

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052249.D
 Acq On : 10 Nov 2018 1:10
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:19:10 AM

Quant Time: Nov 12 04:18:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	275538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	476911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	429304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190241	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.59	113	153914	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.09	98	604398	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	197953	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147416	49.212	ug/l	100
3) Chloromethane	2.06	50	202652	48.455	ug/l	100
4) Vinyl Chloride	2.19	62	172671	49.554	ug/l	96
5) Bromomethane	2.57	94	99952	45.211	ug/l	97
6) Chloroethane	2.71	64	95143	45.980	ug/l	98
7) Trichlorofluoromethane	3.02	101	231597	47.746	ug/l	96
8) Diethyl Ether	3.41	74	89834	47.077	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	140091	45.016	ug/l	98
10) Methyl Iodide	3.96	142	198667	49.202	ug/l	99
11) Tert butyl alcohol	4.79	59	39262	203.263	ug/l	99
12) 1,1-Dichloroethene	3.74	96	135989	47.208	ug/l	97
13) Acrolein	3.61	56	74027	247.372	ug/l	97
14) Allyl chloride	4.33	41	277833	46.068	ug/l	97
15) Acrylonitrile	4.99	53	294677	248.214	ug/l	99
16) Acetone	3.82	43	211603	223.228	ug/l	100
17) Carbon Disulfide	4.06	76	395991	47.389	ug/l	98
18) Methyl Acetate	4.33	43	146260	46.450	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	410310	49.856	ug/l	100
20) Methylene Chloride	4.55	84	159799	46.518	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	148596	47.464	ug/l	96
22) Diisopropyl ether	5.95	45	594999	49.214	ug/l	98
23) Vinyl Acetate	5.90	43	2113740	254.796	ug/l	100
24) 1,1-Dichloroethane	5.85	63	303295	47.496	ug/l	99
25) 2-Butanone	6.83	43	349913	217.675	ug/l	98
26) 2,2-Dichloropropane	6.83	77	188566	40.431	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	171142	48.836	ug/l	98
28) Bromochloromethane	7.20	49	159477	50.542	ug/l	99
29) Tetrahydrofuran	7.21	42	250112	239.071	ug/l	100
30) Chloroform	7.37	83	292092	48.332	ug/l	98
31) Cyclohexane	7.66	56	284985	48.223	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	243039	49.339	ug/l	99
36) 1,1-Dichloropropene	7.80	75	229937	47.767	ug/l	98
37) Ethyl Acetate	6.93	43	170403	47.066	ug/l	98
38) Carbon Tetrachloride	7.78	117	210447	48.242	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260647	47.472	ug/l	99
40) Benzene	8.04	78	666638	48.370	ug/l	99
41) Methacrylonitrile	7.18	41	94172	44.763	ug/l	97
42) 1,2-Dichloroethane	8.13	62	227916	47.133	ug/l	100
43) Isopropyl Acetate	8.17	43	314036	49.762	ug/l	99
44) Trichloroethene	8.84	130	162276	46.987	ug/l	99
45) 1,2-Dichloropropane	9.12	63	185430	48.160	ug/l	99
46) Dibromomethane	9.21	93	108010	48.837	ug/l	99
47) Bromodichloromethane	9.40	83	219368	47.874	ug/l	99
48) Methyl methacrylate	9.20	41	163045	49.034	ug/l	100
49) 1,4-Dioxane	9.20	88	22080	826.038	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	857111	245.934	ug/l	100
52) Toluene	10.16	92	402358	48.397	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	220510	48.766	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	259380	48.593	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	144035	47.932	ug/l	96
56) Ethyl methacrylate	10.43	69	204412	50.332	ug/l	99
57) 1,3-Dichloropropane	10.71	76	259329	48.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	586696	260.895	ug/l	99
59) 2-Hexanone	10.75	43	567820	232.089	ug/l	99
60) Dibromochloromethane	10.90	129	158197	51.901	ug/l	100
61) 1,2-Dibromoethane	11.00	107	146904	49.743	ug/l	100
64) Tetrachloroethene	10.63	164	142023	47.251	ug/l	99
65) Chlorobenzene	11.43	112	437729	48.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153676	49.873	ug/l	97
67) Ethyl Benzene	11.51	91	768809	48.050	ug/l	99
68) m/p-Xylenes	11.62	106	579875	97.315	ug/l	98
69) o-Xylene	11.95	106	280297	49.236	ug/l	100
70) Styrene	11.96	104	451437	49.083	ug/l	99
71) Bromoform	12.13	173	91663	49.865	ug/l #	99
73) Isopropylbenzene	12.25	105	744511	46.329	ug/l	100
74) N-amyl acetate	12.07	43	286058	49.032	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	182676	46.369	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	165292m	47.523	ug/l	
77) Bromobenzene	12.53	156	174079	46.277	ug/l	98
78) n-propylbenzene	12.59	91	878691	46.685	ug/l	100
79) 2-Chlorotoluene	12.67	91	505765	46.385	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	603610	47.230	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47178	46.301	ug/l	94
82) 4-Chlorotoluene	12.77	91	515604	47.128	ug/l	100
83) tert-Butylbenzene	12.99	119	533678	47.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	614779	47.709	ug/l	98
85) sec-Butylbenzene	13.17	105	729066	47.648	ug/l	100
86) p-Isopropyltoluene	13.29	119	609806	47.638	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	307690	46.987	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	303146	46.242	ug/l	99
89) n-Butylbenzene	13.62	91	540210	47.394	ug/l	99
90) Hexachloroethane	13.87	117	106764	47.519	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	294664	46.108	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26243	46.855	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	133049	52.649	ug/l	100
94) Hexachlorobutadiene	15.01	225	65072	47.387	ug/l	99
95) Naphthalene	15.13	128	326519	52.425	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	120592	50.473	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

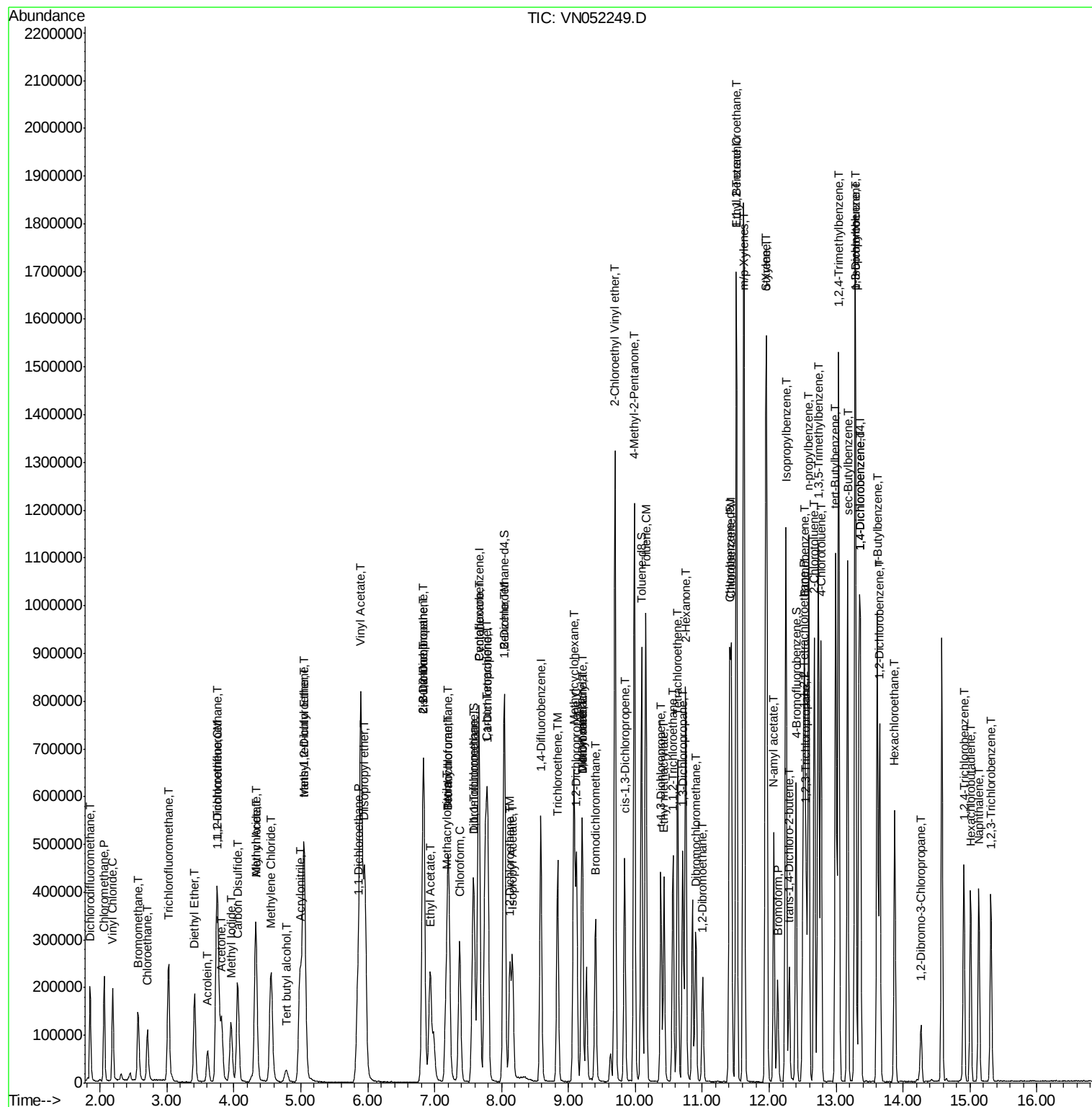
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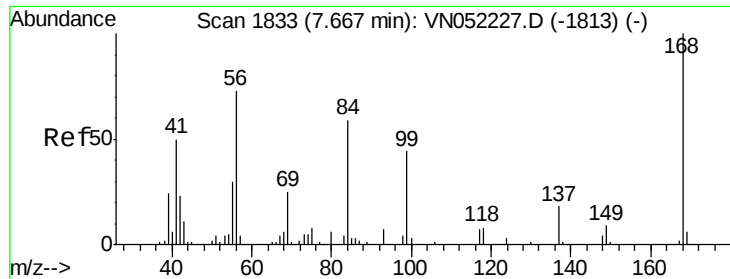
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 27538

Ion Ratio Lower Upper

168 100

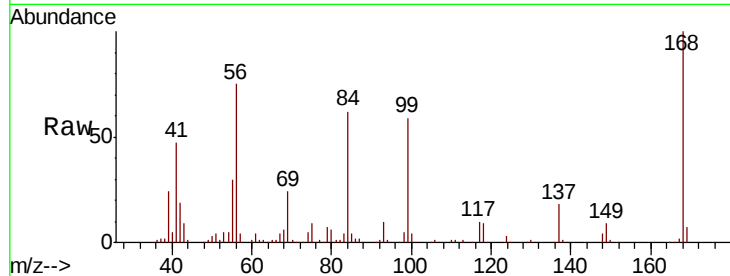
99 59.1 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

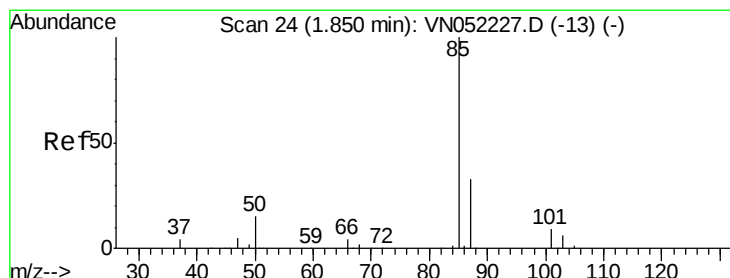
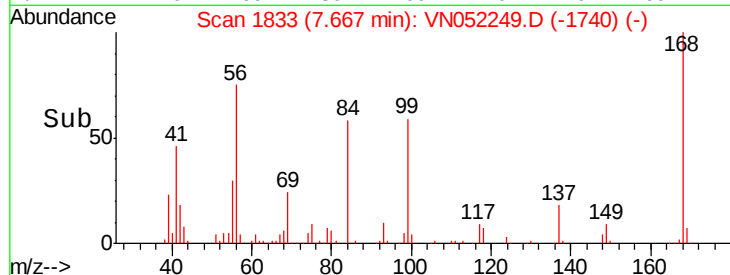
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.212 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052249.D

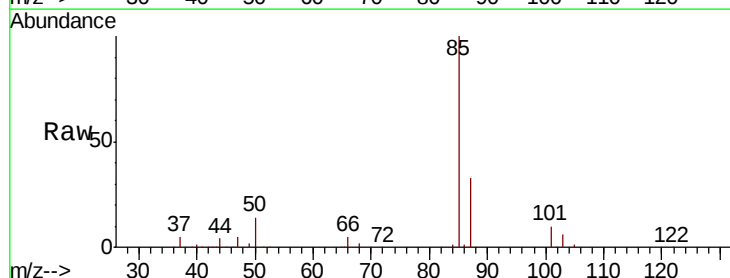
Acq: 10 Nov 2018 1:10

Tgt Ion: 85 Resp: 147416

Ion Ratio Lower Upper

85 100

87 33.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

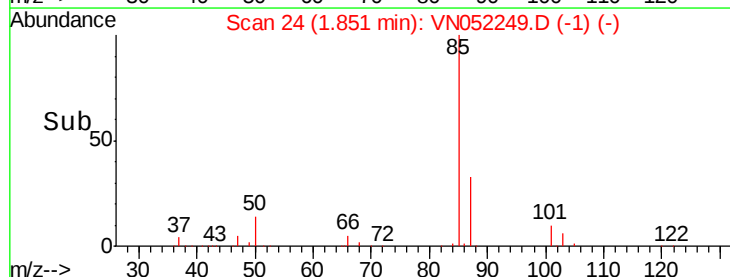
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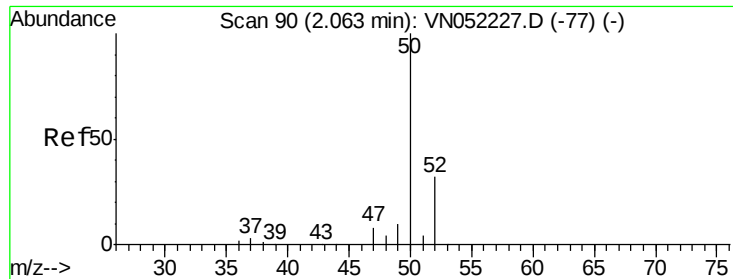
40000

20000

0

Time-->





#3

Chloromethane

Concen: 48.455 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 202652

Ion Ratio Lower Upper

50 100

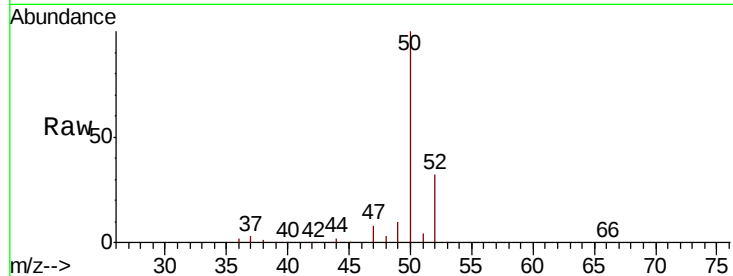
52 32.3 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

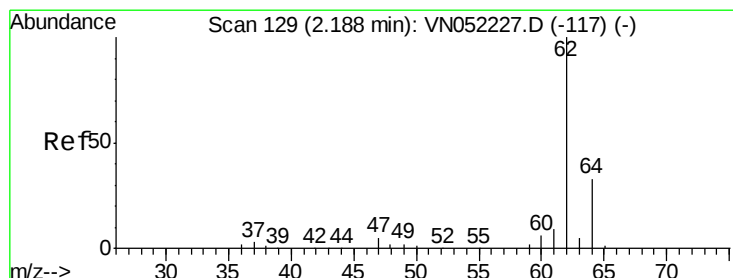
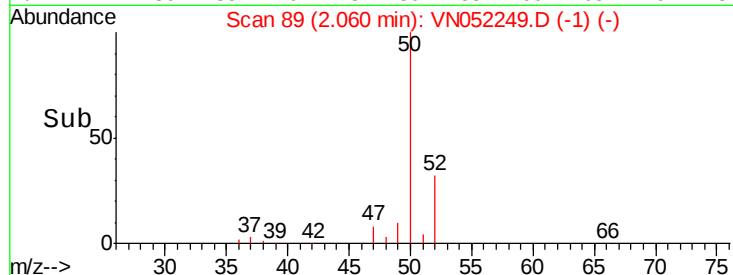
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.554 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052249.D

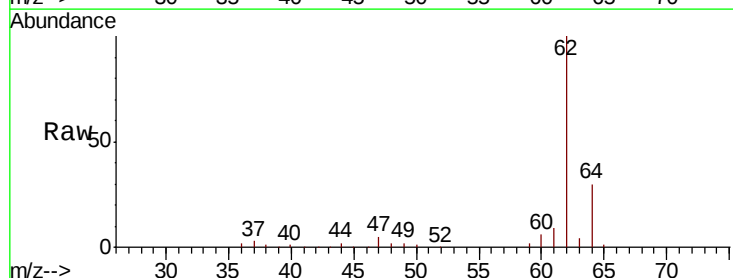
Acq: 10 Nov 2018 1:10

Tgt Ion: 62 Resp: 172671

Ion Ratio Lower Upper

62 100

64 30.3 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

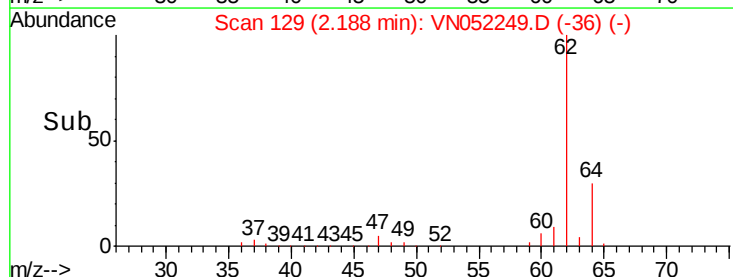
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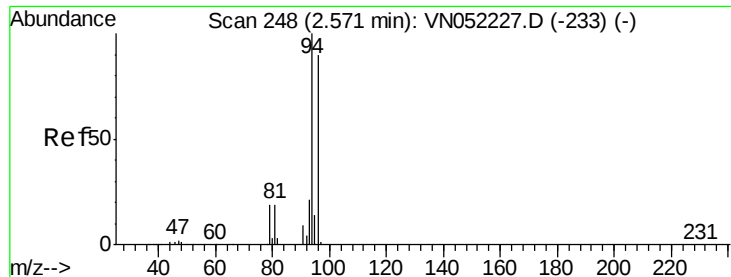
100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.211 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 99952

Ion Ratio Lower Upper

94 100

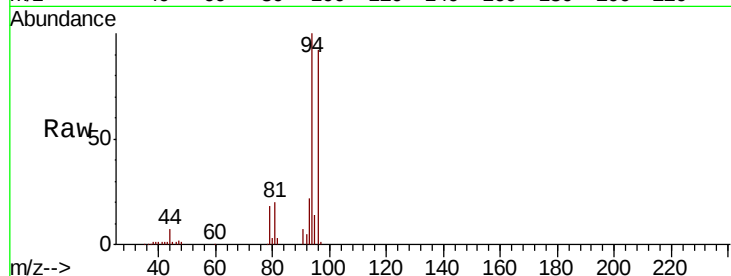
96 92.3 71.8 107.8

Manual Integrations

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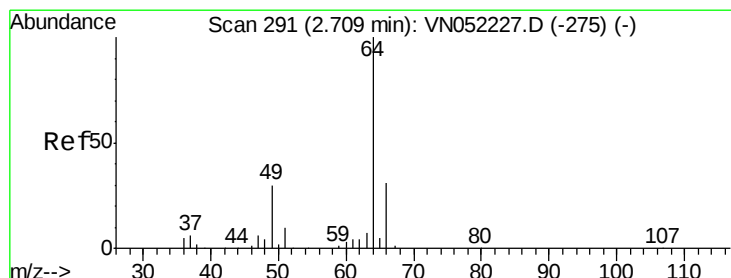
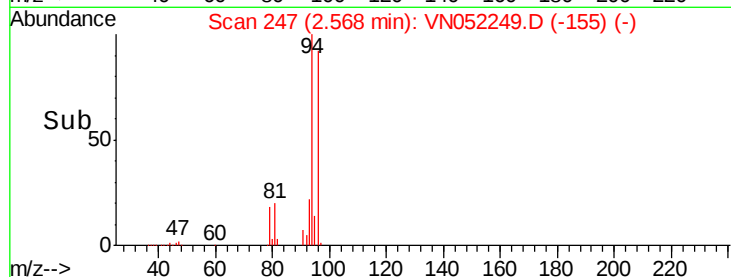
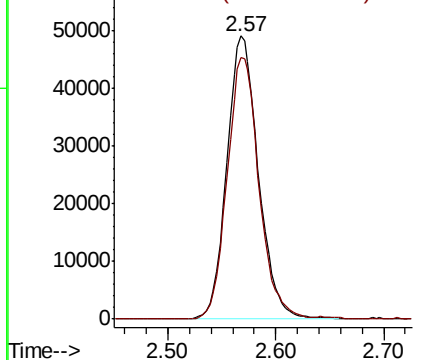
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 45.980 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052249.D

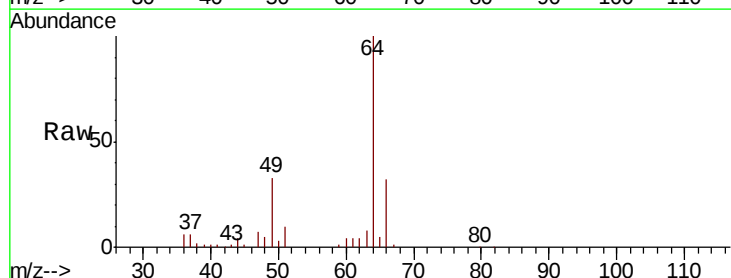
Acq: 10 Nov 2018 1:10

Tgt Ion: 64 Resp: 95143

Ion Ratio Lower Upper

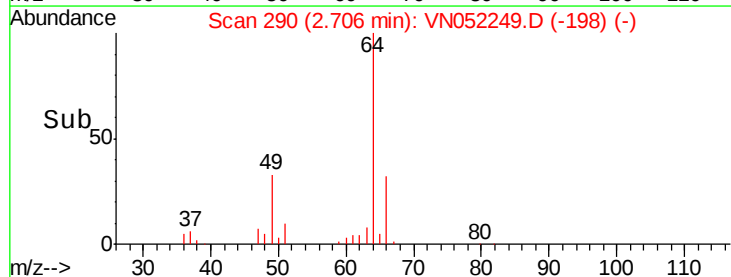
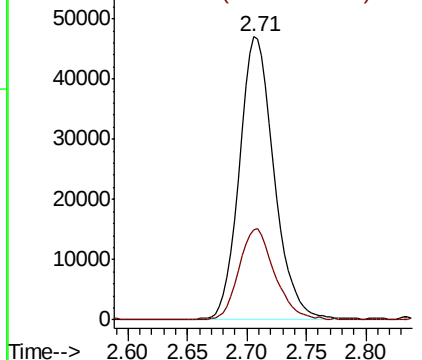
64 100

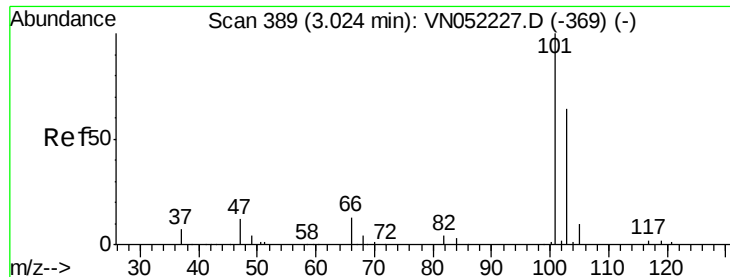
66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

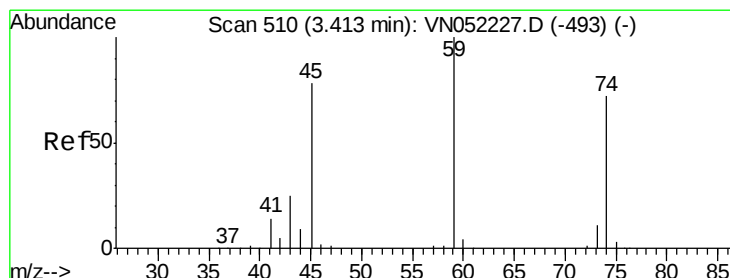
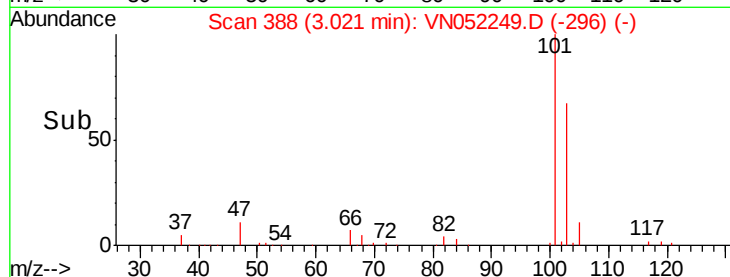
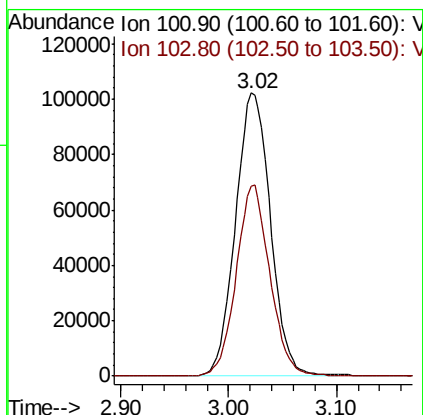
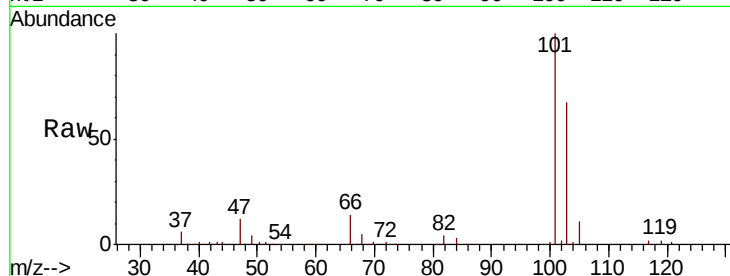
Trichlorofluoromethane
Concen: 47.746 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.2	76.8

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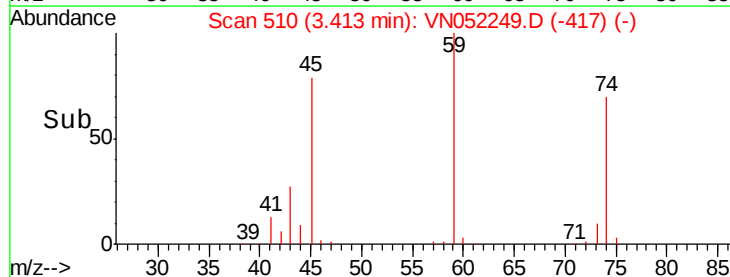
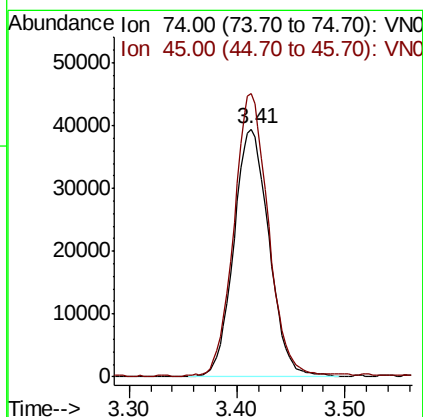
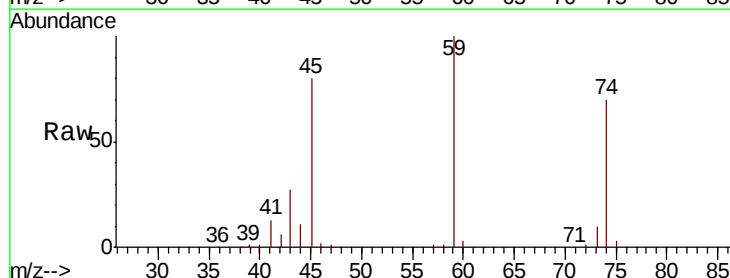
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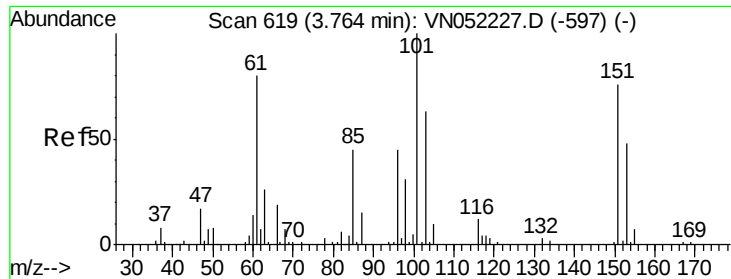


#8

Diethyl Ether
Concen: 47.077 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.1	55.5	166.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.016 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

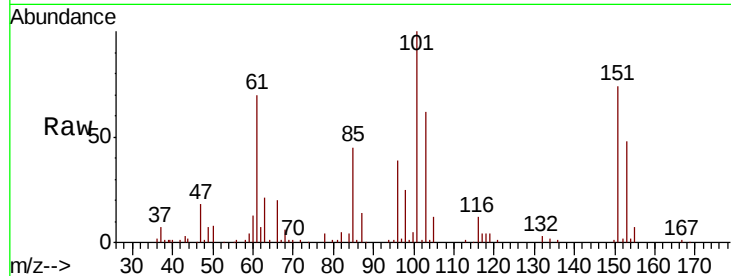
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	140091
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.2	54.4
151	75.5	59.2	88.8

Manual Integrations
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11/12/2018 9:19:10 AM

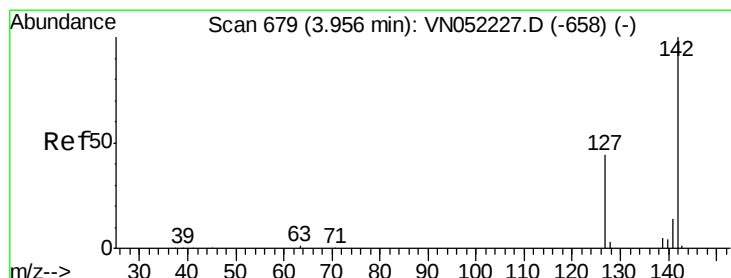
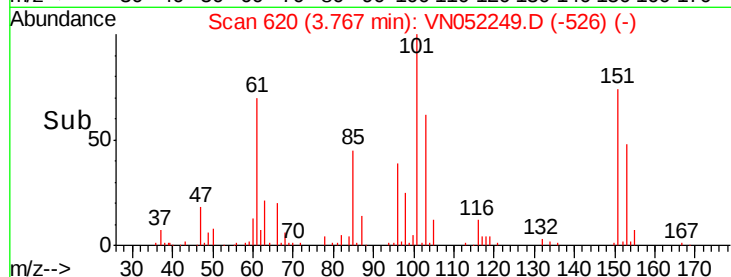
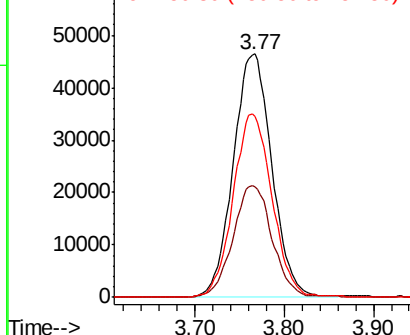


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.202 ug/l

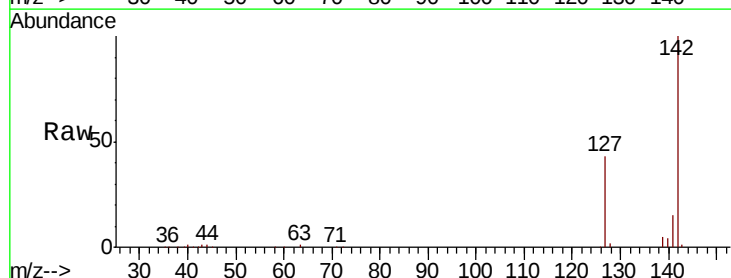
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Tgt Ion:	142	Resp:	198667
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.3	52.9
141	14.5	11.8	17.6

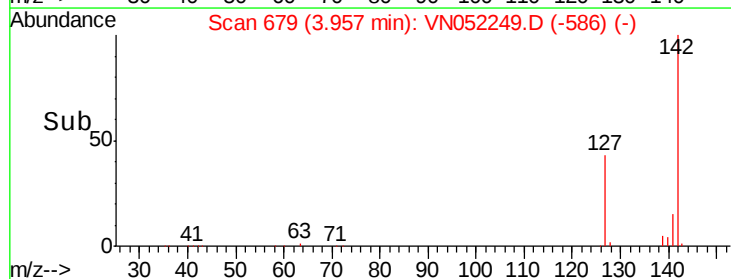
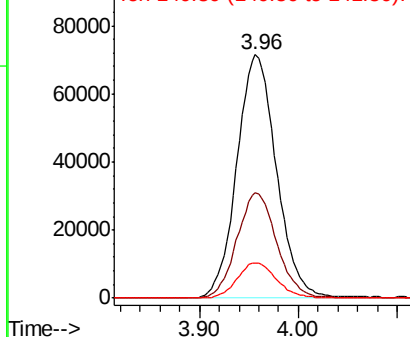


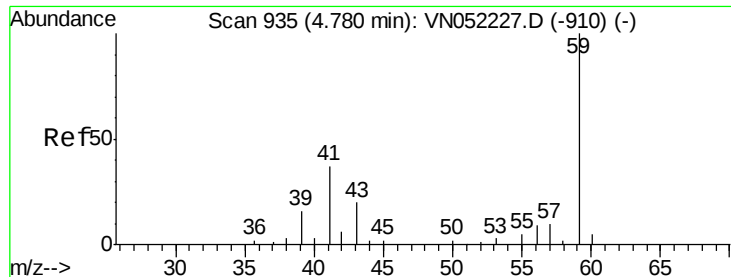
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

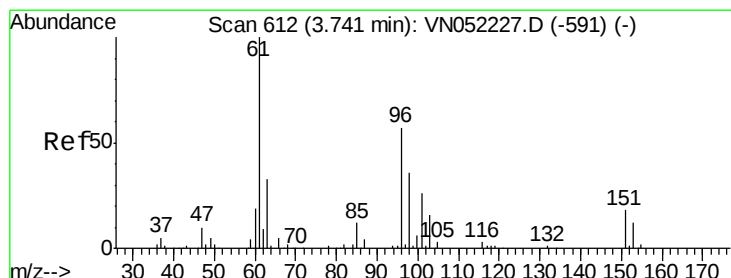
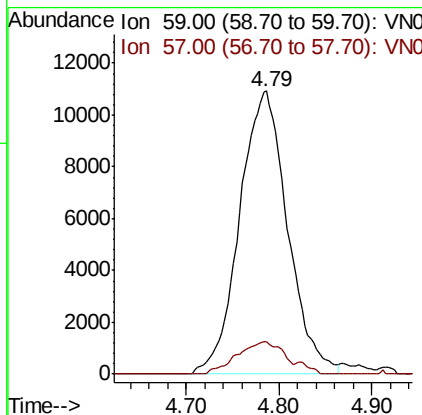
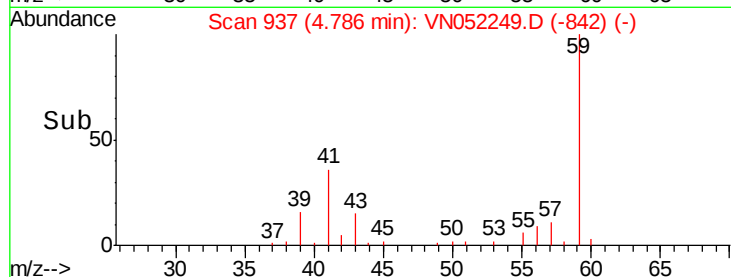
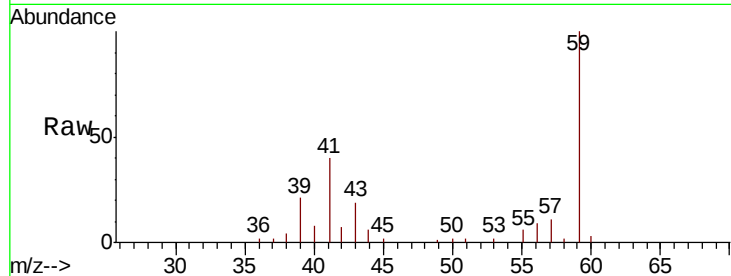
Tert butyl alcohol
 Concen: 203.263 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.8	13.2

Manual Integrations
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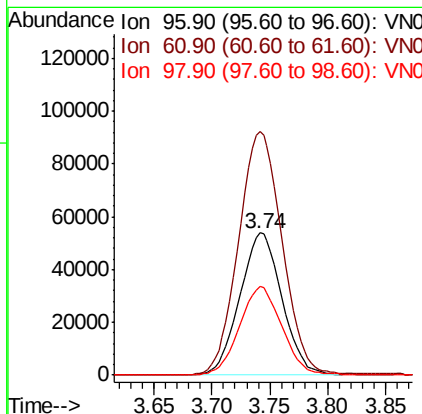
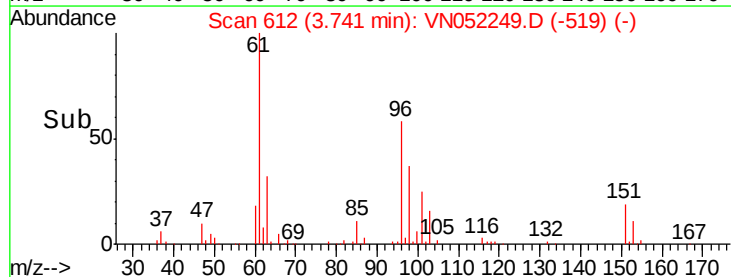
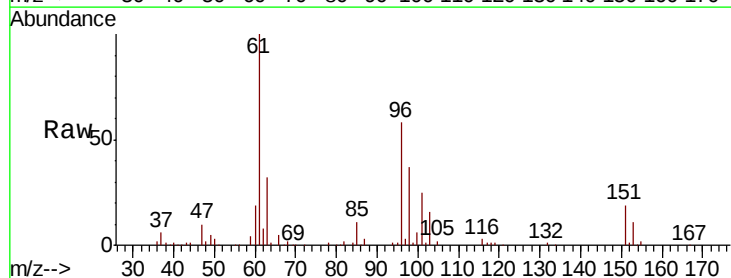
MMDadoda
 11/12/2018 9:19:10 AM

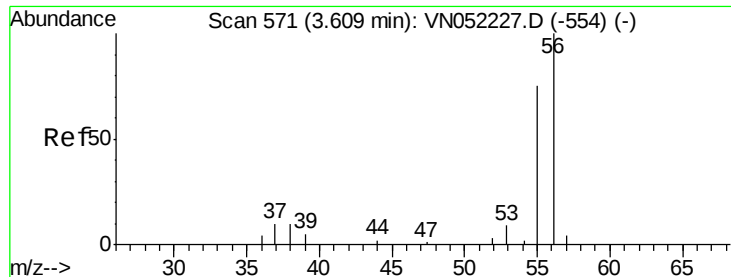


#12

1,1-Dichloroethene
 Concen: 47.208 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	141.1	211.7
98	62.7	50.3	75.5





#13

Acrolein

Concen: 247.372 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 74027

Ion Ratio Lower Upper

56 100

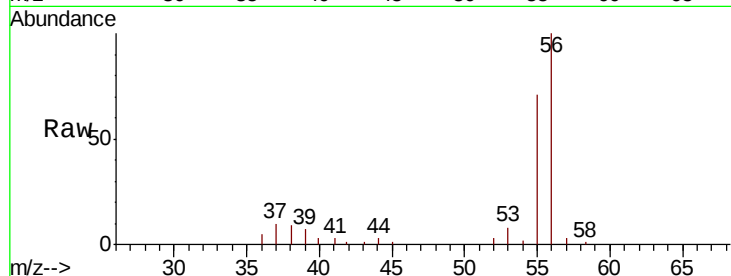
55 72.7 59.9 89.9

Manual Integrations

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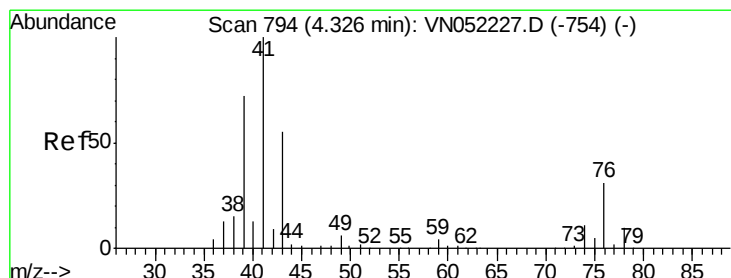
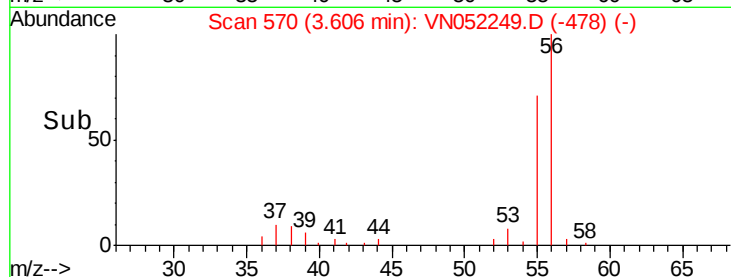
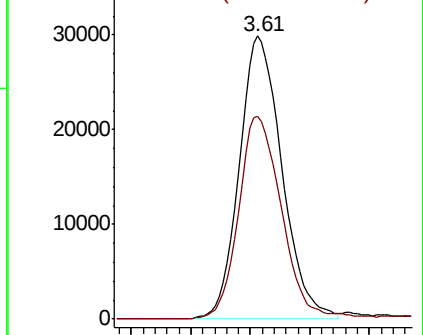
MMDadoda

11/12/2018 9:19:10 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.068 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

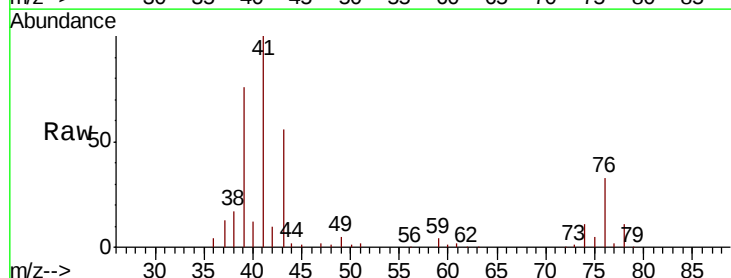
Tgt Ion: 41 Resp: 277833

Ion Ratio Lower Upper

41 100

39 72.1 55.1 82.7

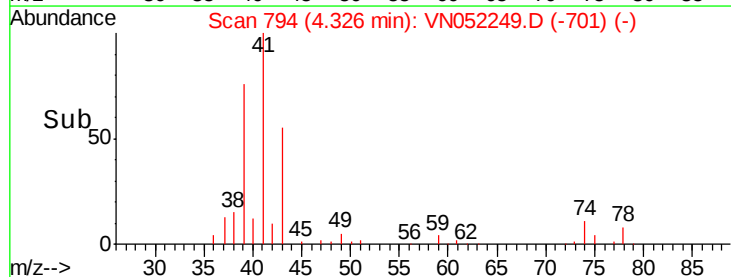
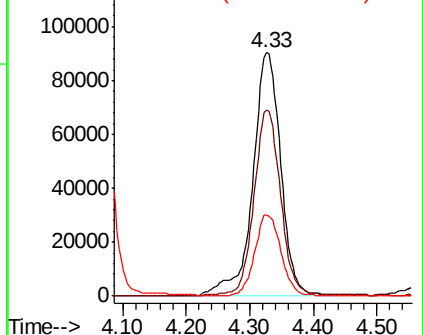
76 30.7 23.6 35.4

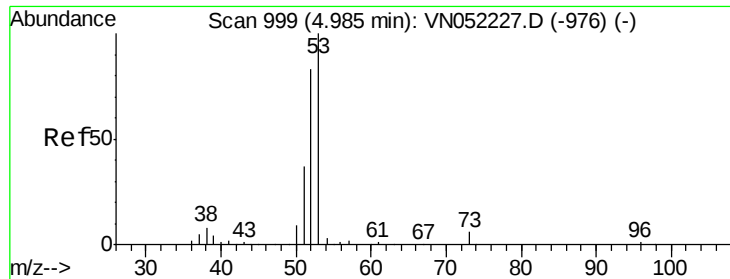


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 248.214 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

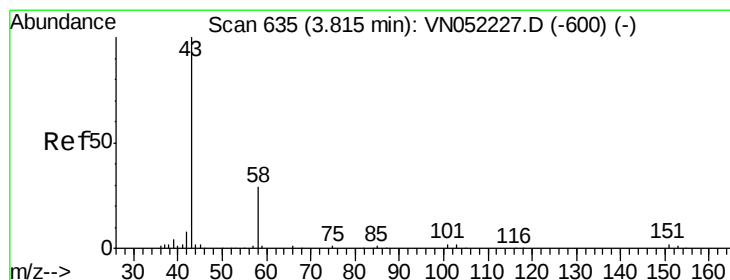
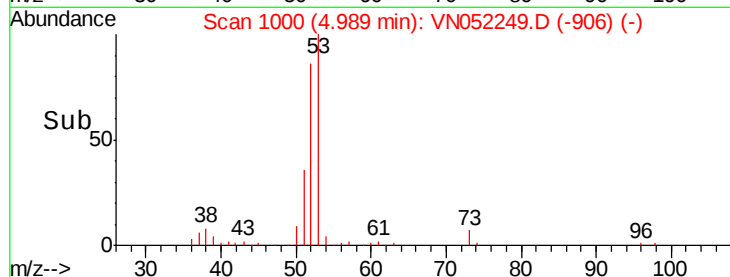
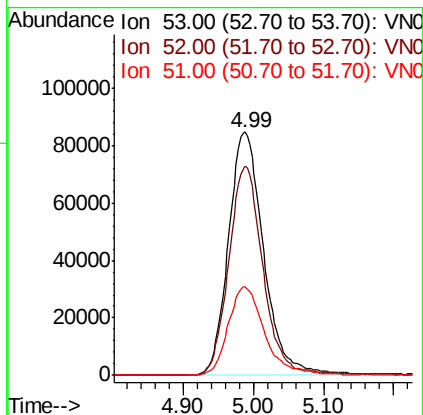
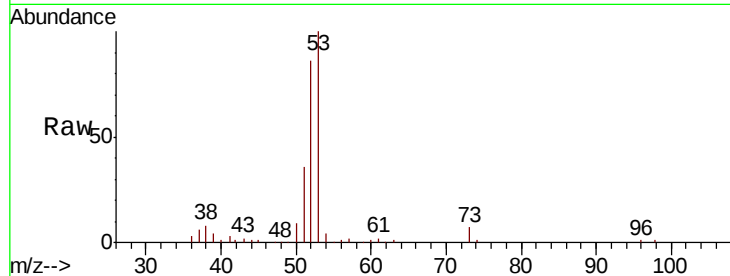
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	294677
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.7	100.1
51	37.7	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 223.228 ug/l

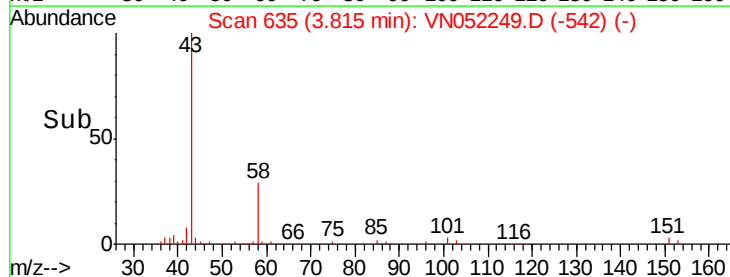
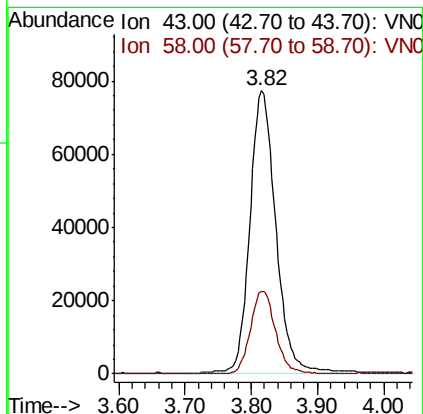
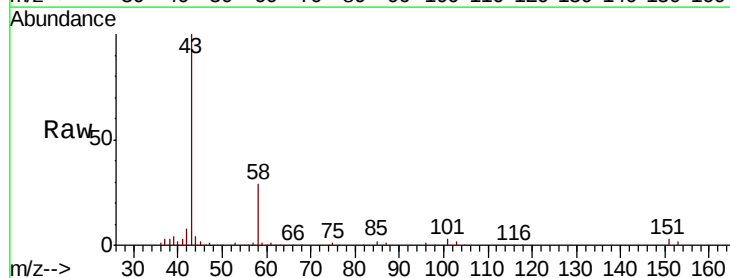
RT: 3.82 min Scan# 635

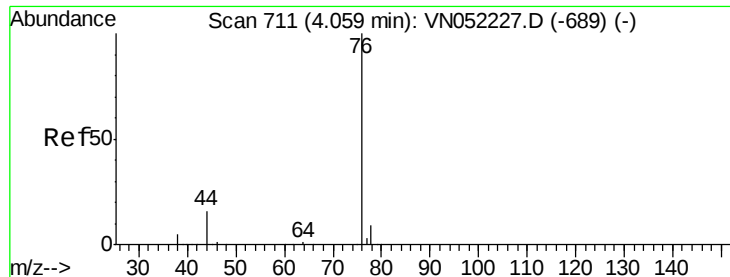
Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Tgt Ion:	43	Resp:	211603
Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.0	34.6





#17

Carbon Disulfide

Concen: 47.389 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 395991

Ion Ratio Lower Upper

76 100

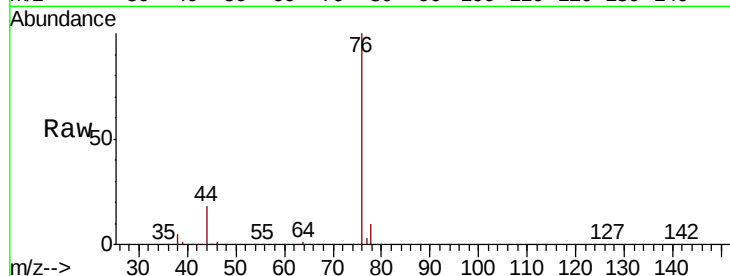
78 9.7 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN052227.D (-689) (-)

Ion 77.90 (77.60 to 78.60): VN052227.D (-689) (-)

4.06

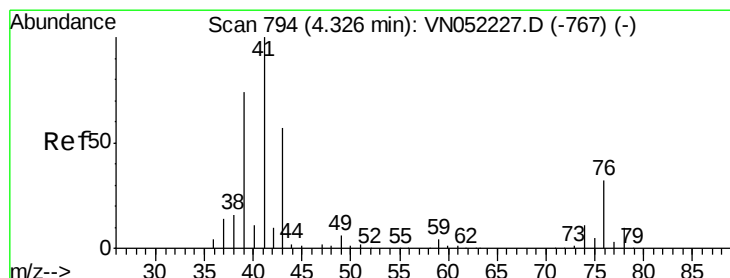
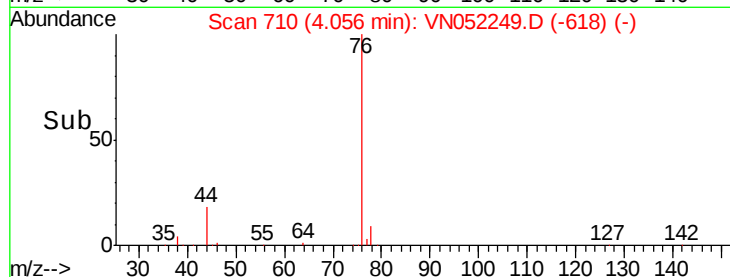
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.450 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052249.D

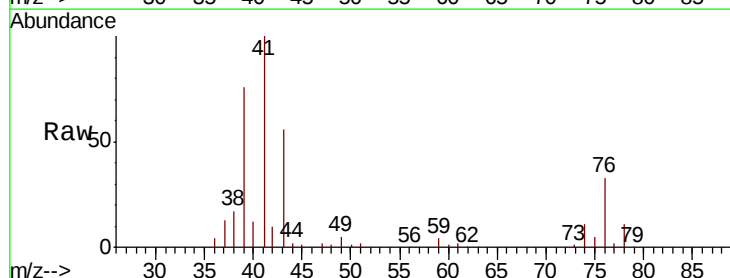
Acq: 10 Nov 2018 1:10

Tgt Ion: 43 Resp: 146260

Ion Ratio Lower Upper

43 100

74 20.3 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-767) (-)

Ion 74.00 (73.70 to 74.70): VN052227.D (-767) (-)

4.33

60000

50000

40000

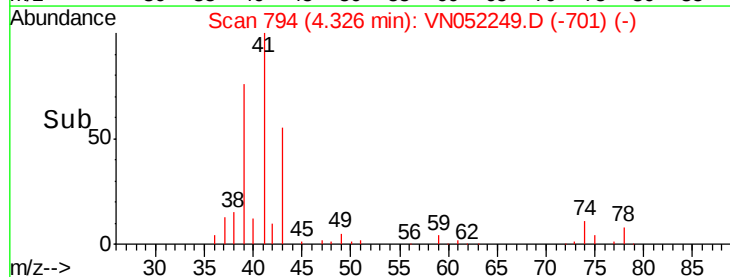
30000

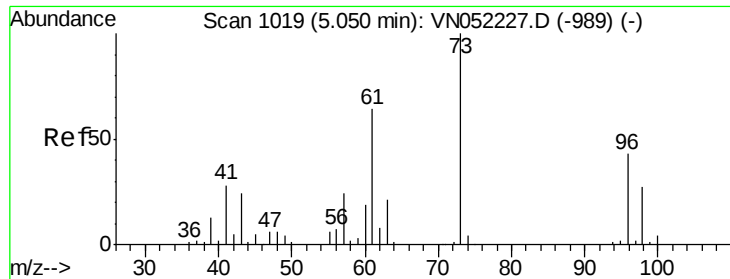
20000

10000

0

Time-->





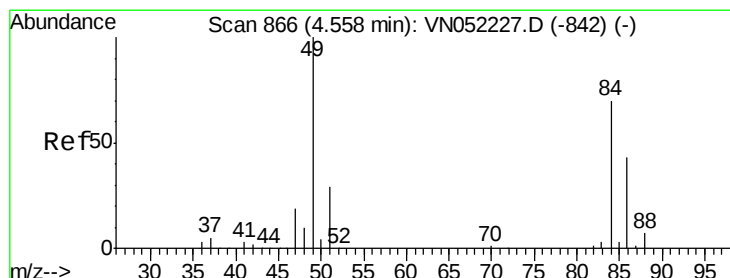
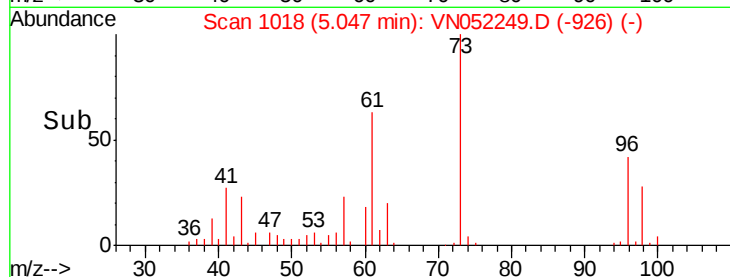
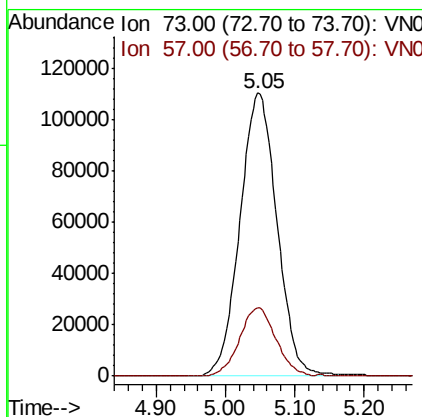
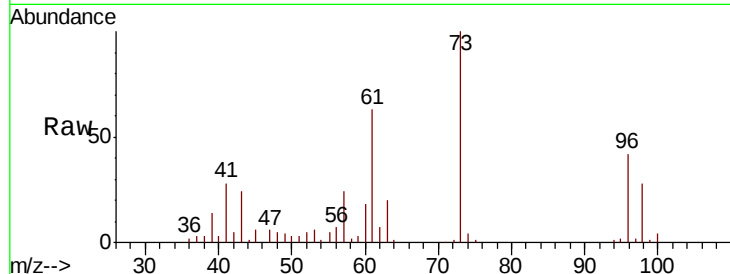
#19
Methyl tert-butyl Ether
Concen: 49.856 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 410310
Ion Ratio Lower Upper
73 100
57 24.1 19.1 28.7

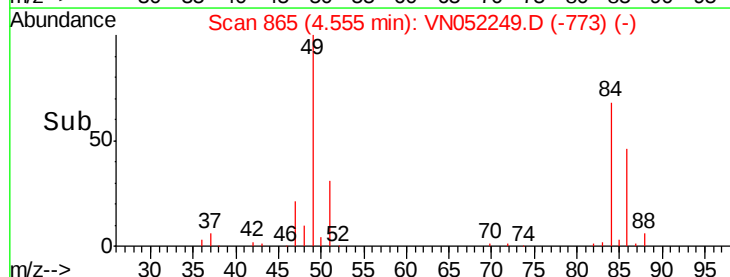
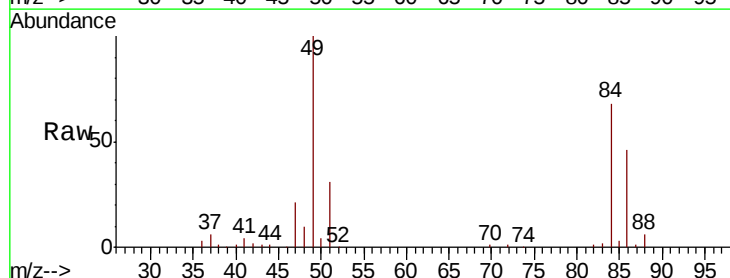
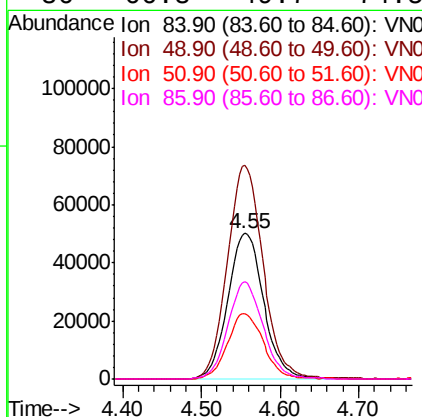
Manual Integrations
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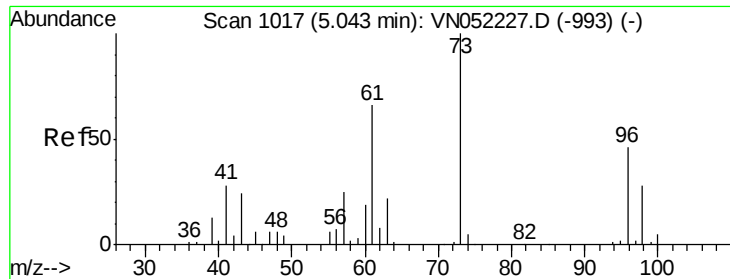
MMDadoda
11/12/2018 9:19:10 AM



#20
Methylene Chloride
Concen: 46.518 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion: 84 Resp: 159799
Ion Ratio Lower Upper
84 100
49 146.2 114.8 172.2
51 44.8 33.1 49.7
86 66.8 49.7 74.5





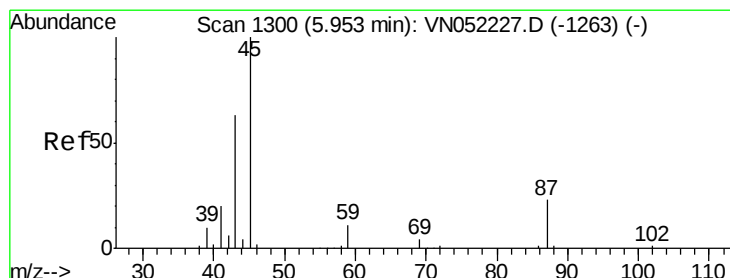
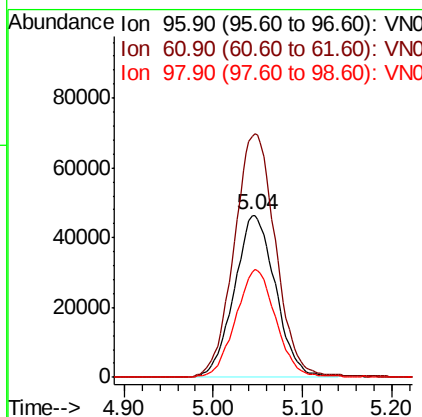
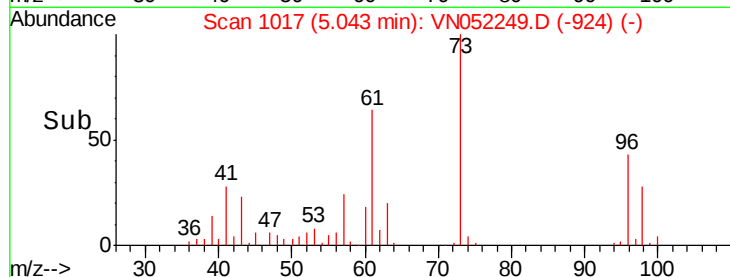
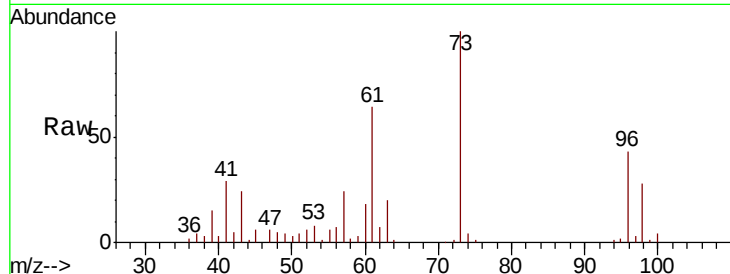
#21
trans-1,2-Dichloroethene
Concen: 47.464 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	115.3	172.9
98	65.1	49.5	74.3

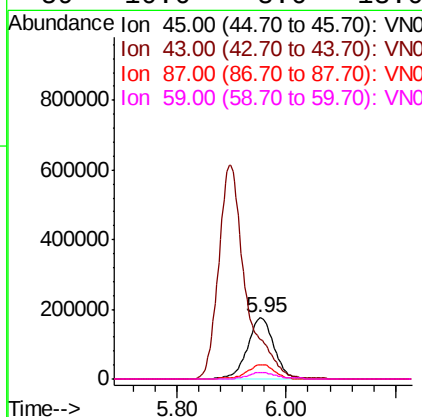
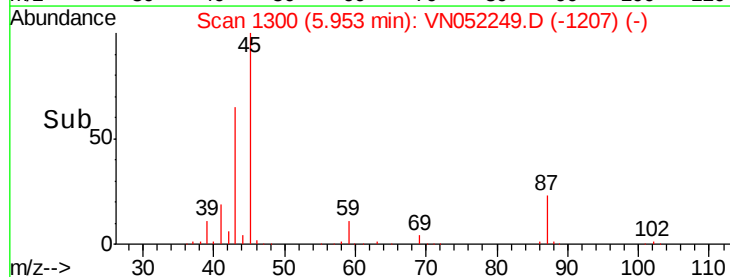
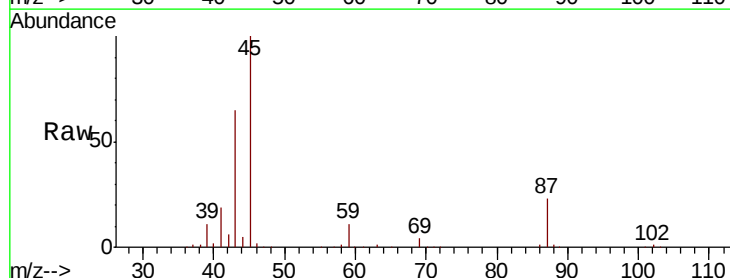
Manual Integrations
APPROVED

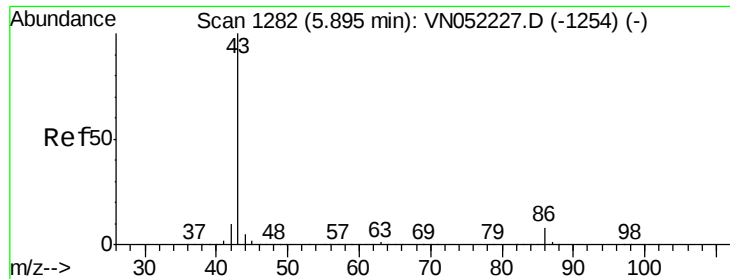
MMDadoda
11/12/2018 9:19:10 AM



#22
Diisopropyl ether
Concen: 49.214 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	50.6	76.0
87	22.6	19.0	28.4
59	10.6	8.6	13.0





#23

Vinyl Acetate

Concen: 254.796 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2113740

Ion Ratio Lower Upper

43 100

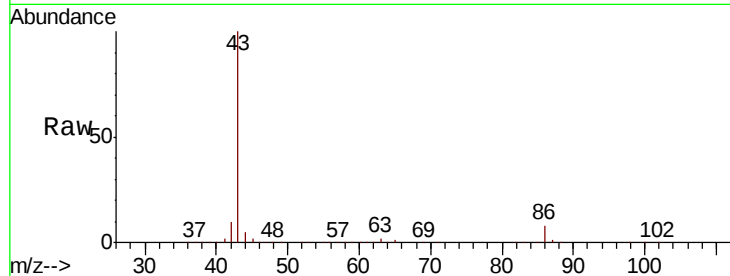
86 8.5 6.7 10.1

Manual Integrations

APPROVED

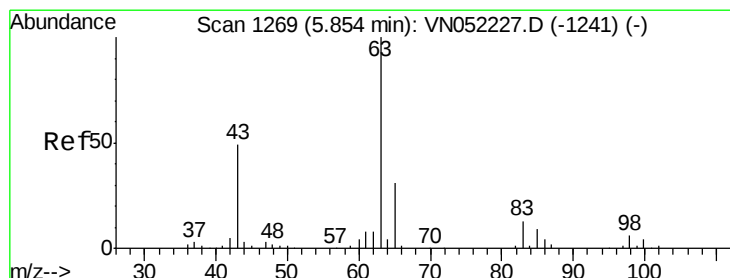
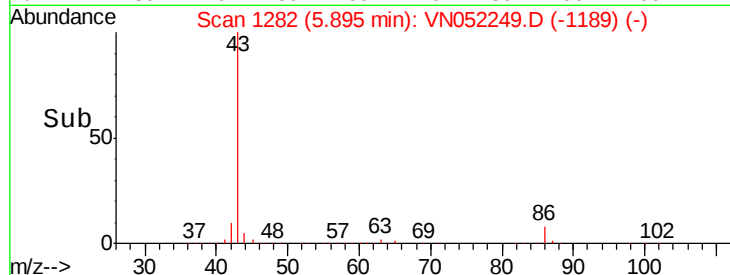
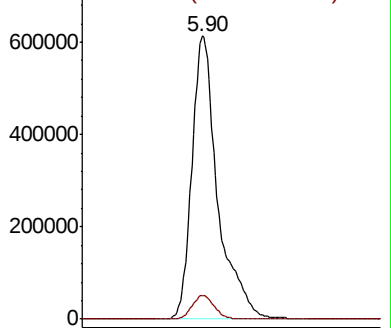
MMDadoda

11/12/2018 9:19:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.496 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

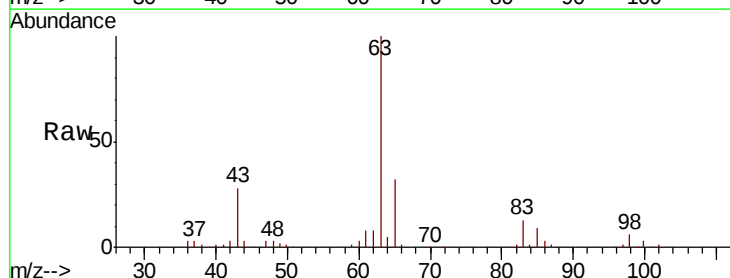
Tgt Ion: 63 Resp: 303295

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

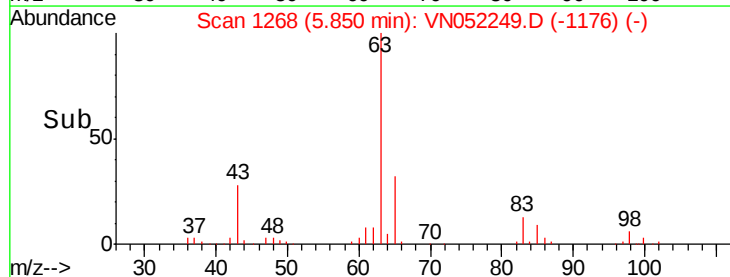
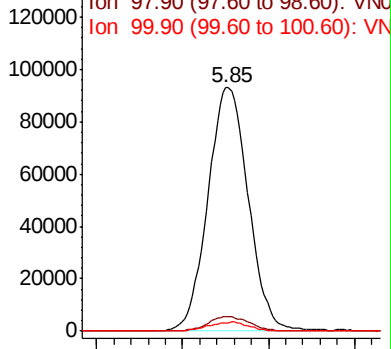
100 3.3 2.1 6.2

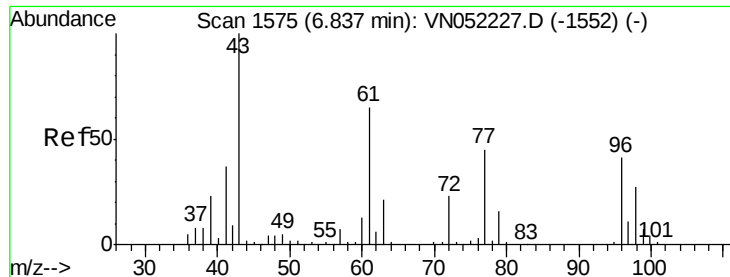


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 217.675 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 349913

Ion Ratio Lower Upper

43 100

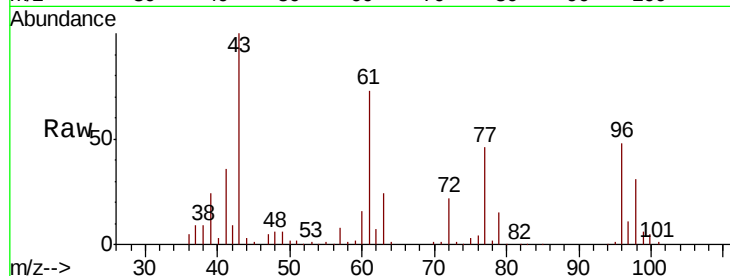
72 22.4 18.6 27.8

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Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1552) (-)

Ion 72.00 (71.70 to 72.70): VN052227.D (-1552) (-)

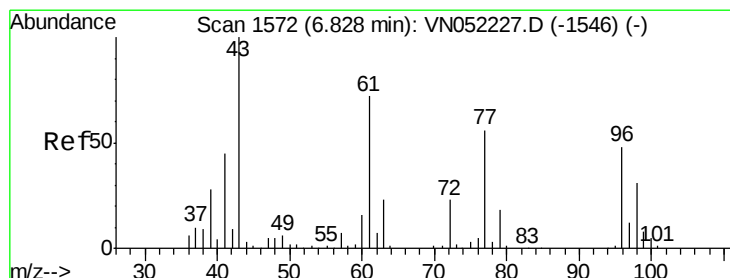
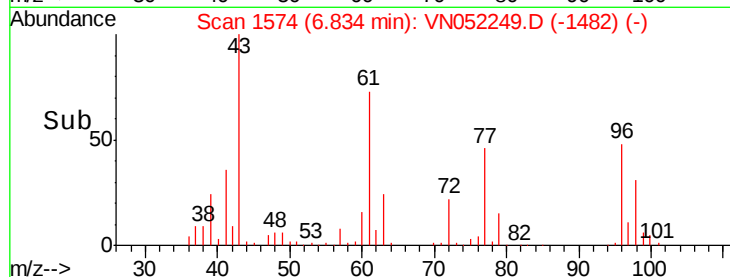
6.83

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 40.431 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052249.D

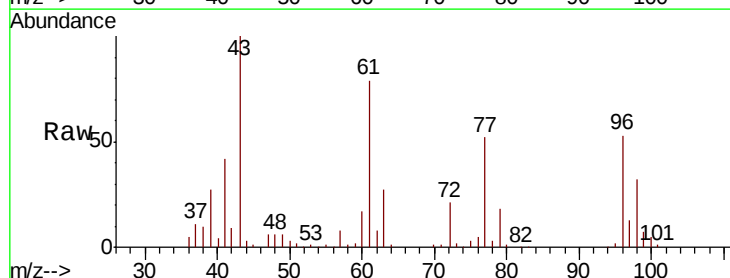
Acq: 10 Nov 2018 1:10

Tgt Ion: 77 Resp: 188566

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VN052227.D (-1546) (-)

Ion 96.90 (96.60 to 97.60): VN052227.D (-1546) (-)

6.83

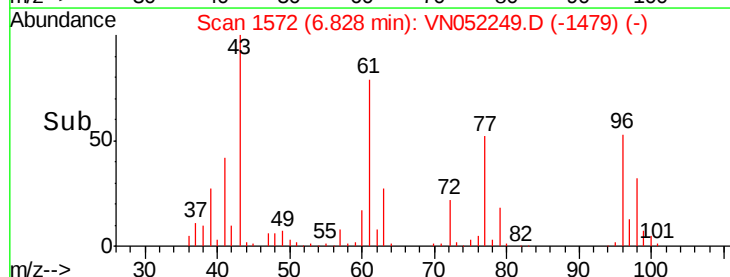
60000

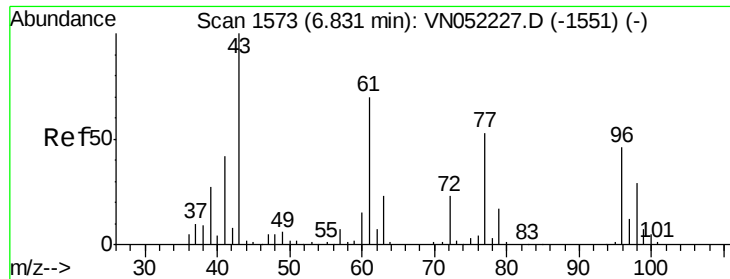
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.836 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 171142

Ion Ratio Lower Upper

96 100

61 154.0 0.0 313.4

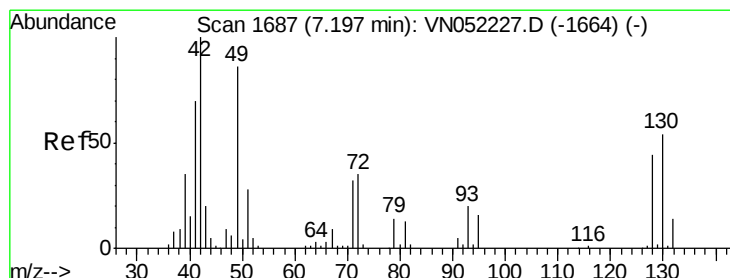
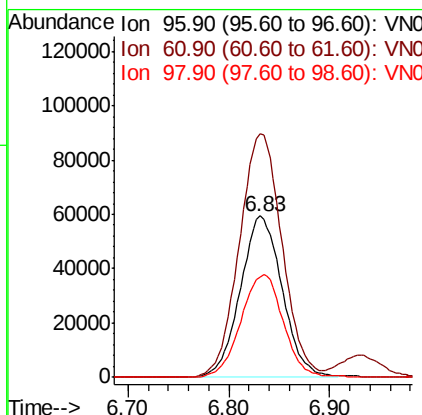
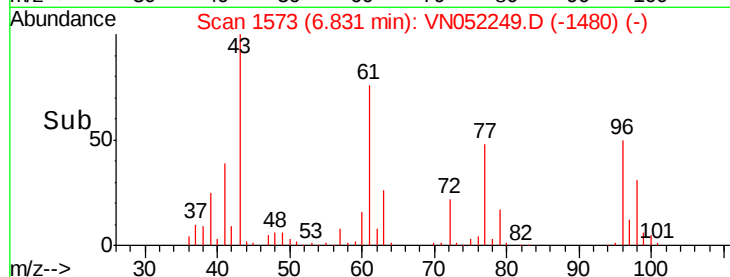
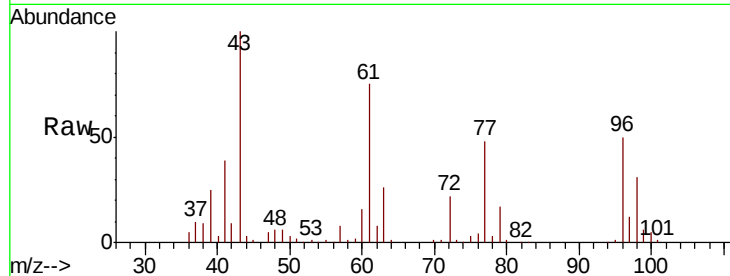
98 64.2 0.0 129.8

Manual Integrations

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11/12/2018 9:19:10 AM



#28

Bromochloromethane

Concen: 50.542 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

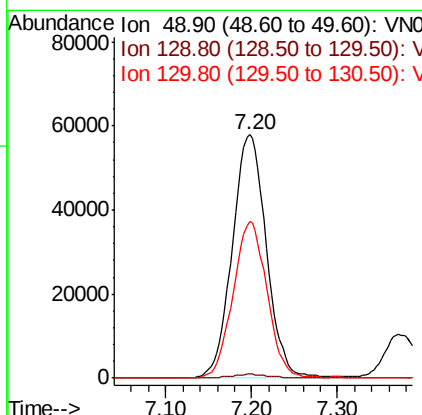
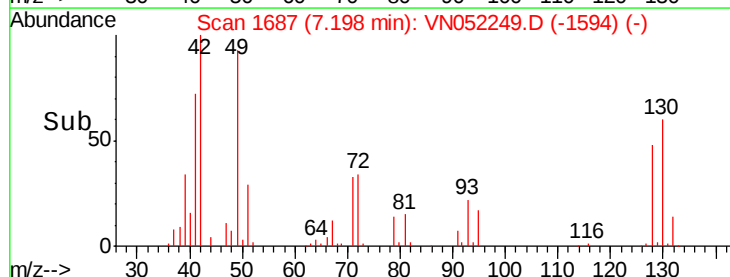
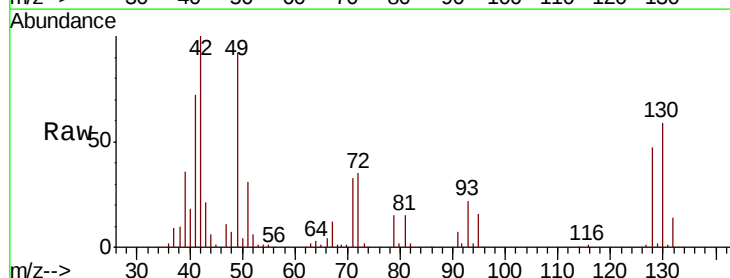
Tgt Ion: 49 Resp: 159477

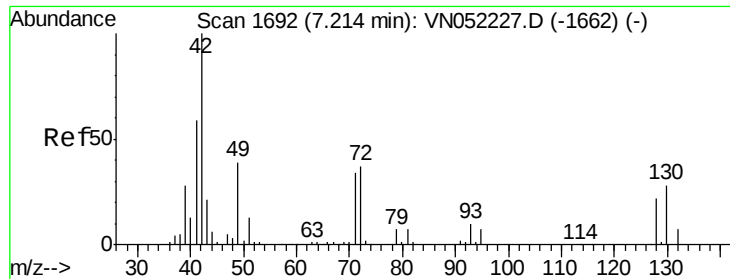
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

130 63.7 51.4 77.2





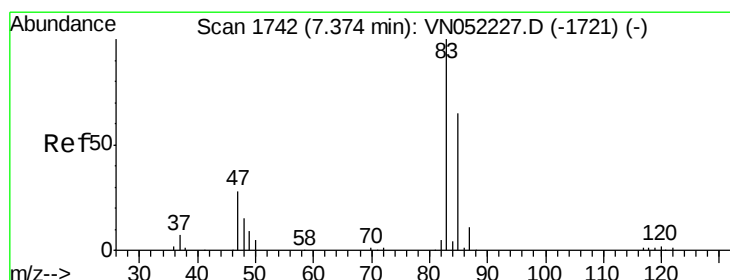
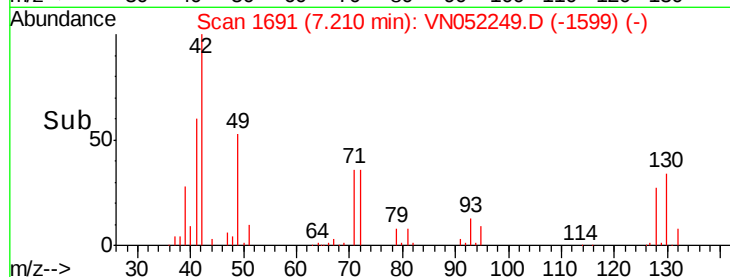
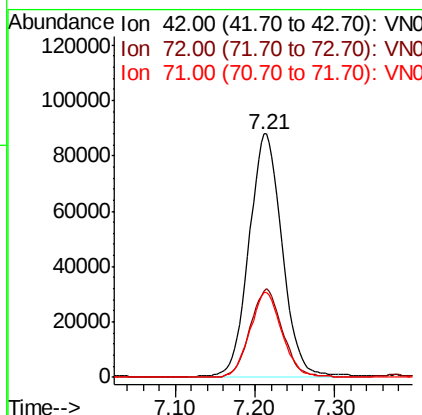
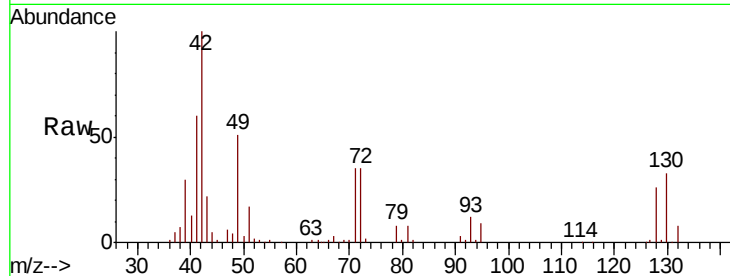
#29
Tetrahydrofuran
Concen: 239.071 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.6	43.0
71	33.9	27.1	40.7

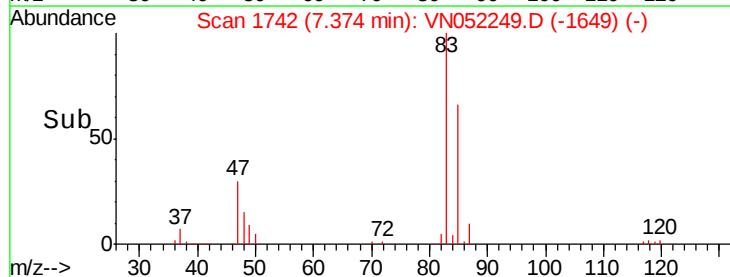
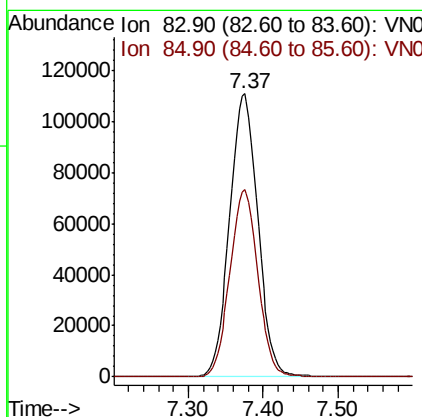
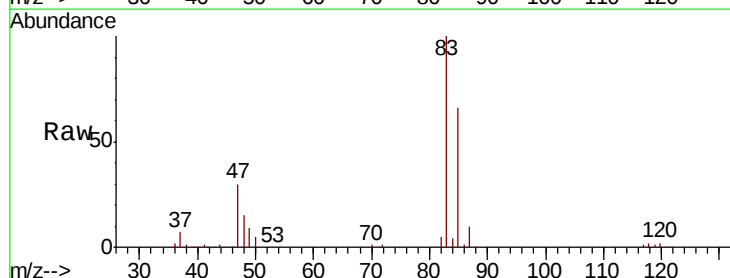
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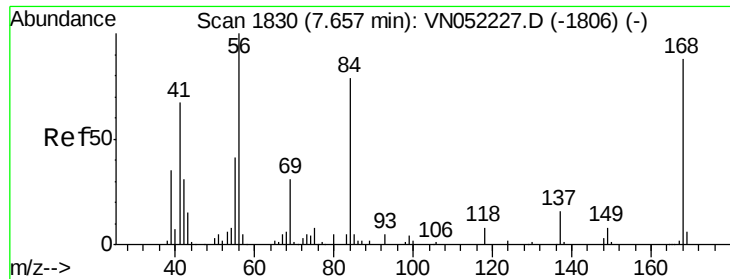
MMDadoda
11/12/2018 9:19:10 AM



#30
Chloroform
Concen: 48.332 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.8	77.6





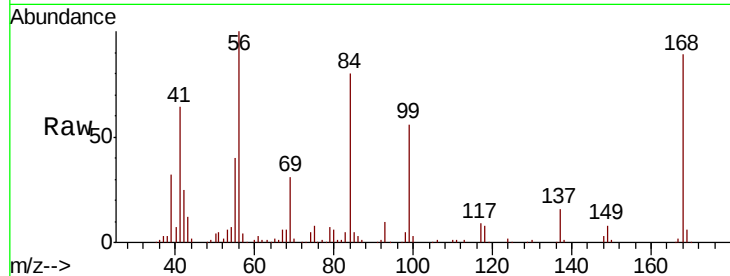
#31
Cyclohexane
Concen: 48.223 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

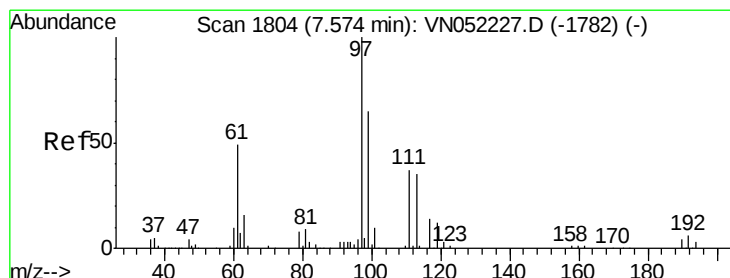
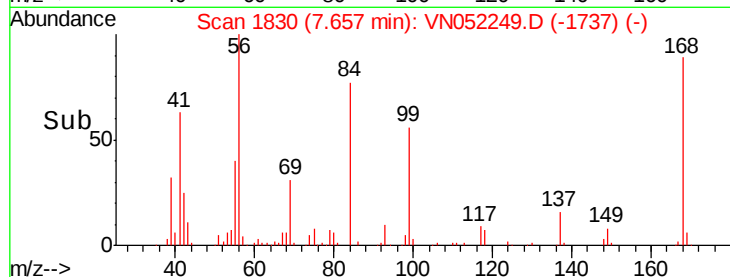
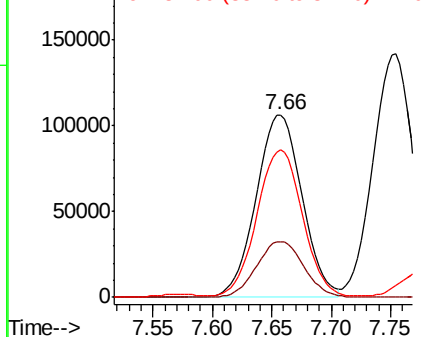
Tot Ion	Ratio	Resp	Lower	Upper
56	100	284985		
69	30.5		24.8	37.2
84	79.0		63.1	94.7

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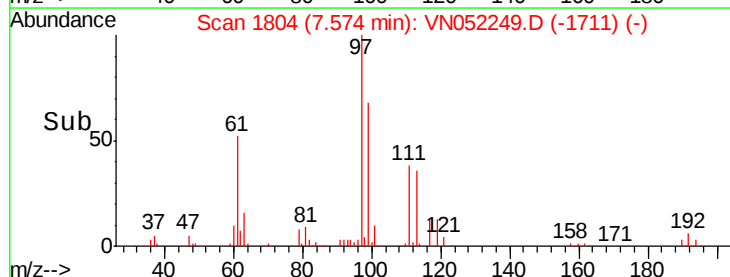
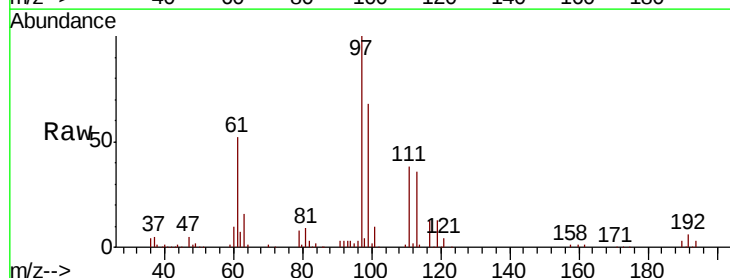
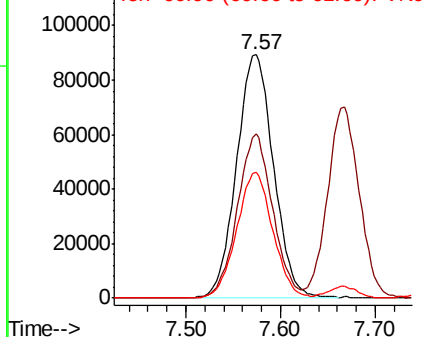
Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

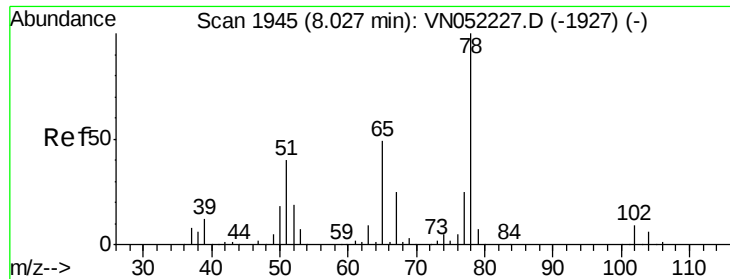


#32
1,1,1-Trichloroethane
Concen: 49.339 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	243039		
99	64.2		51.9	77.9
61	50.5		40.2	60.4

Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





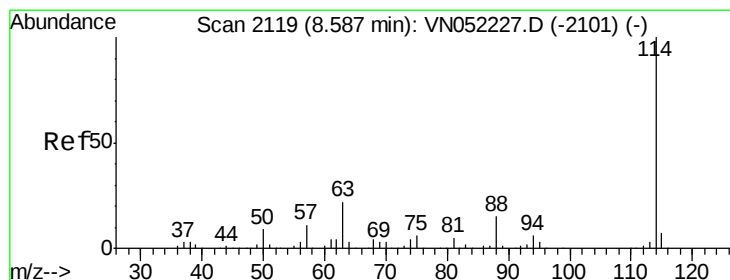
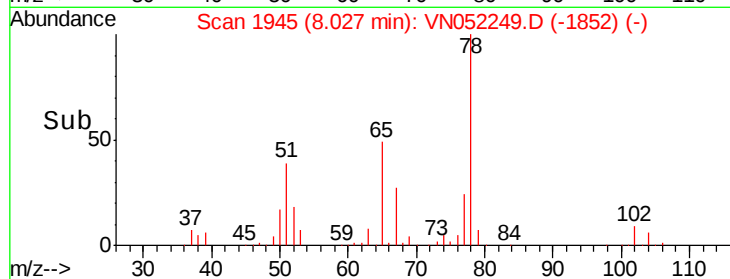
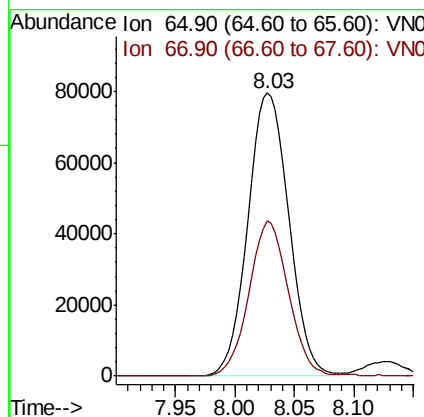
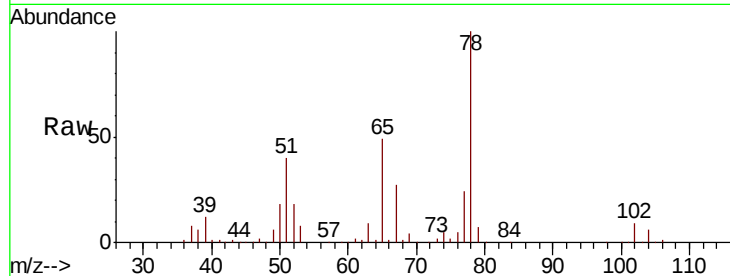
#33
 1,2-Dichloroethane-d4
 Concen: 49.339 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.6

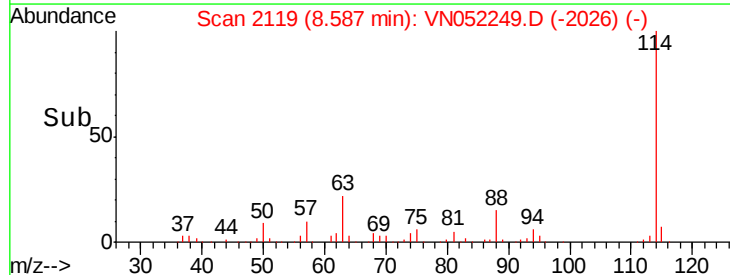
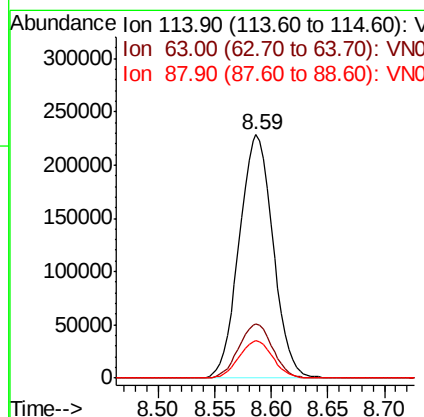
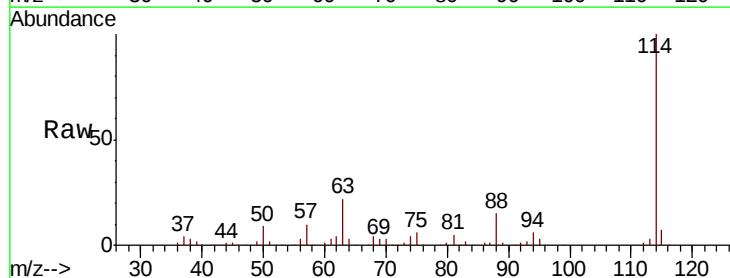
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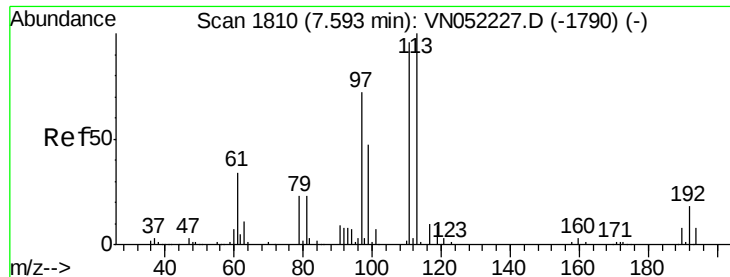
MMDadoda
 11/12/2018 9:19:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.4
88	15.4	0.0	30.2





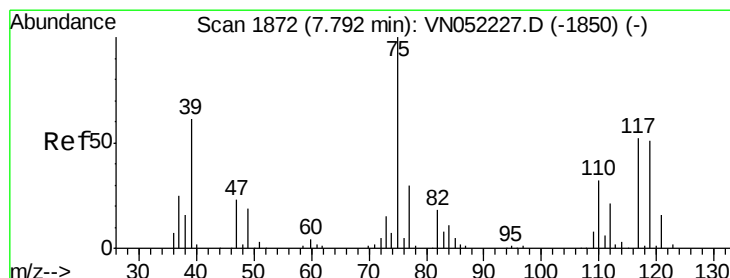
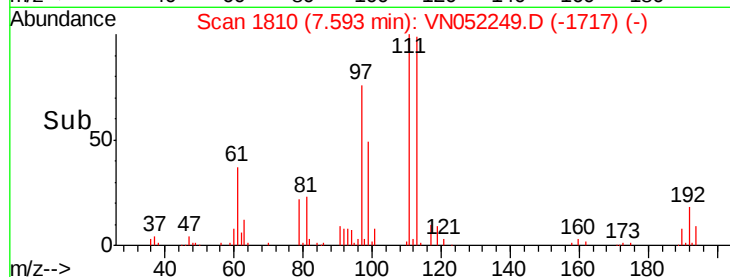
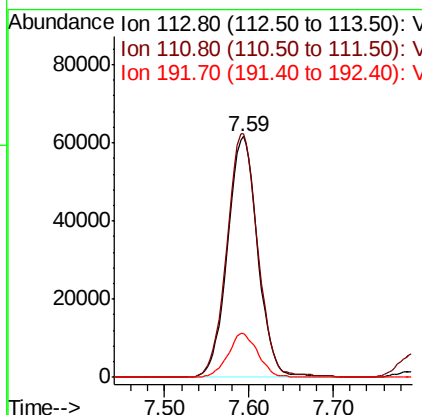
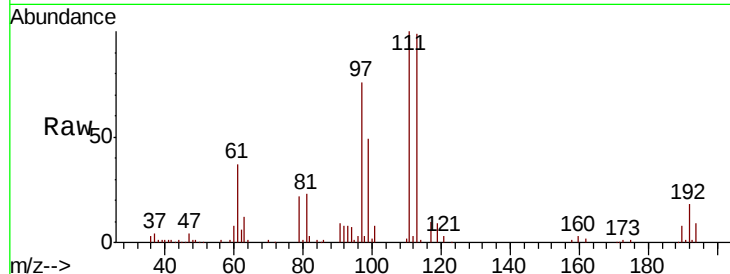
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153914		
111	102.3	80.2	120.4	
192	17.9	14.1	21.1	

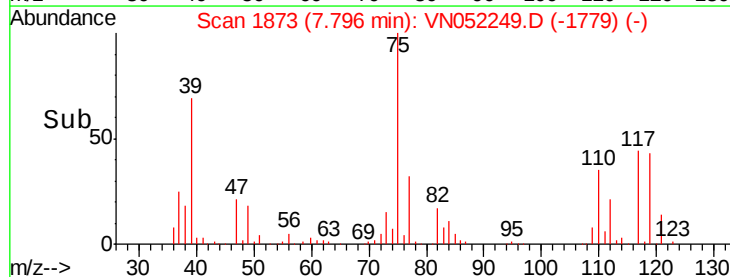
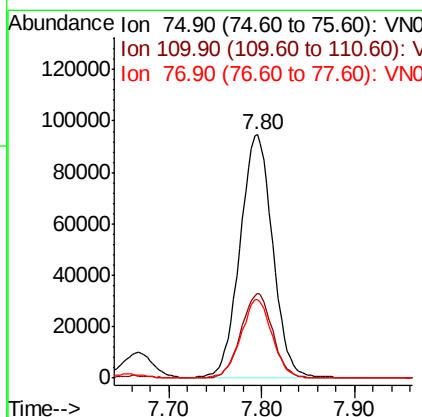
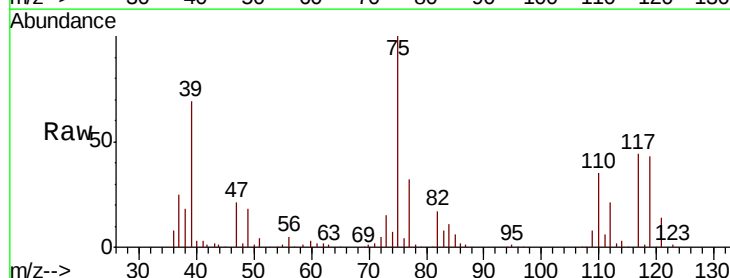
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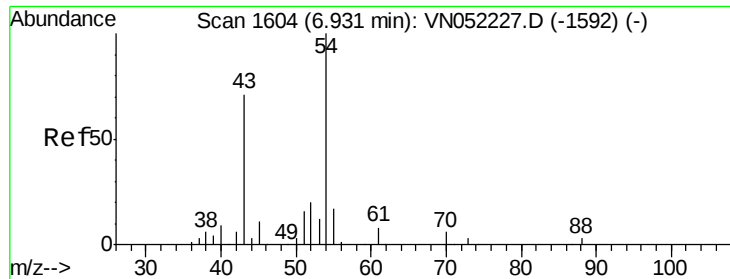
MMDadoda
 11/12/2018 9:19:10 AM



#36
 1,1-Dichloropropene
 Concen: 47.767 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	229937		
110	33.8	16.4	49.4	
77	31.2	23.9	35.9	





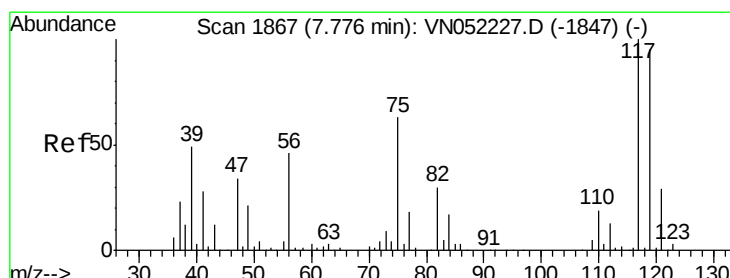
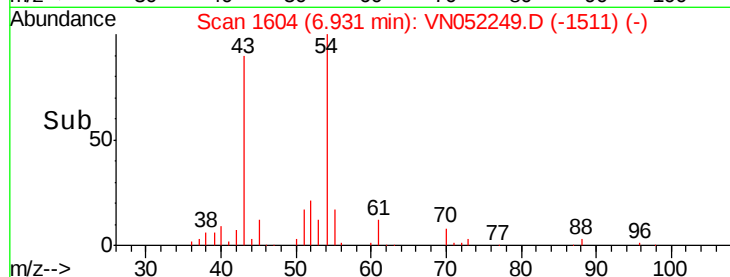
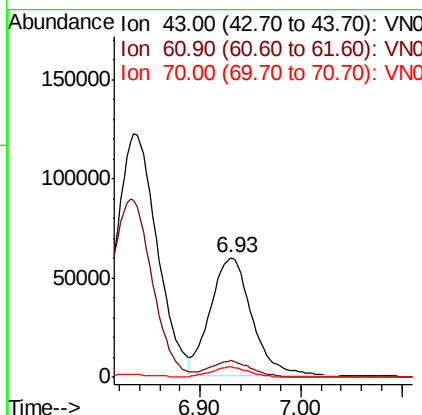
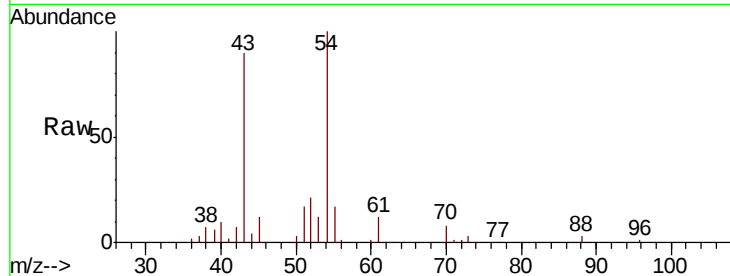
#37
Ethyl Acetate
Concen: 47.066 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 170403
Ion Ratio Lower Upper
43 100
61 13.4 10.0 15.0
70 8.4 6.9 10.3

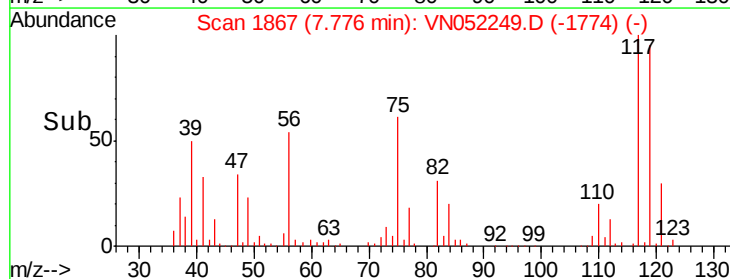
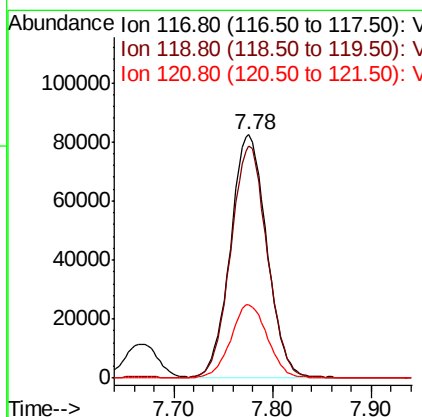
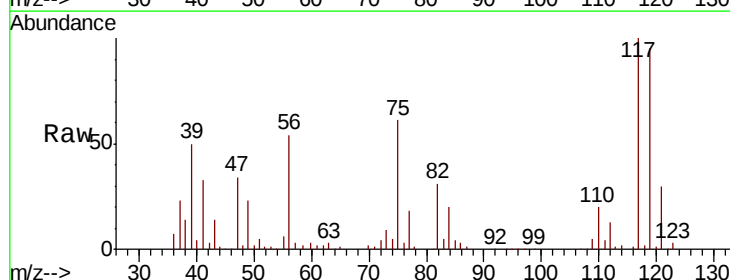
Manual Integrations
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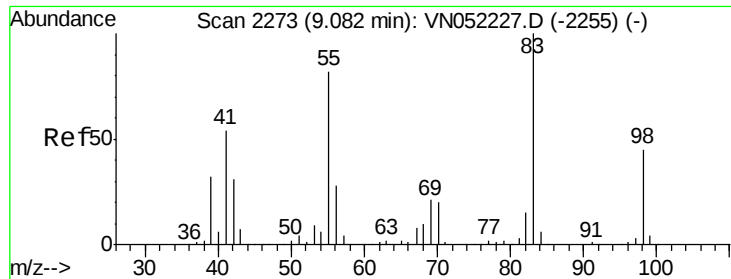
MMDadoda
11/12/2018 9:19:10 AM



#38
Carbon Tetrachloride
Concen: 48.242 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion: 117 Resp: 210447
Ion Ratio Lower Upper
117 100
119 95.1 75.8 113.8
121 30.2 23.4 35.2





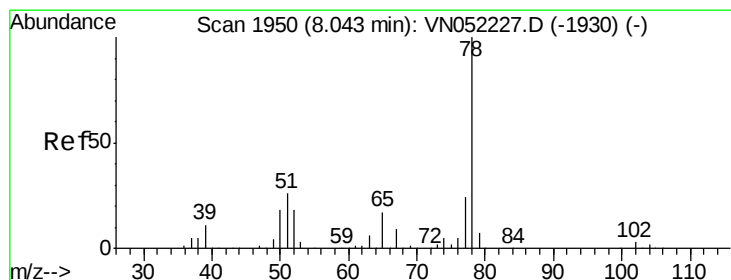
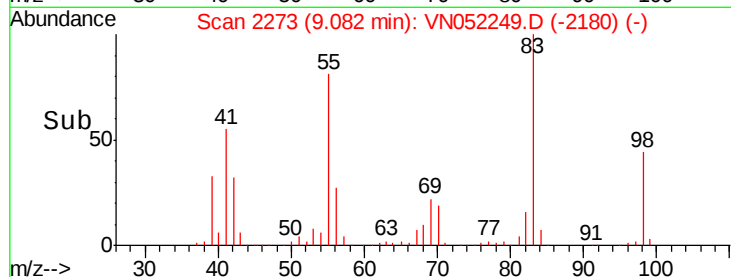
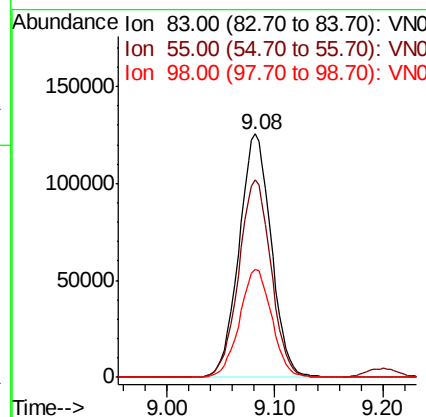
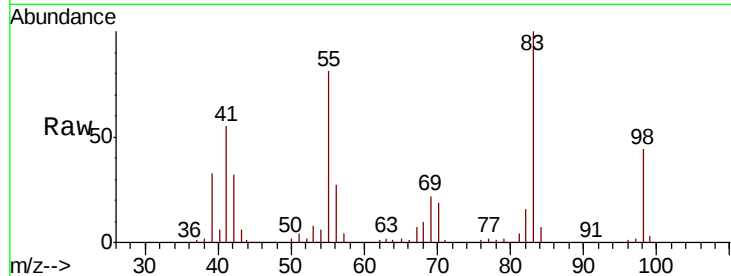
#39
Methvlcvclohexane
Concen: 47.472 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	65.2	97.8
98	44.5	36.3	54.5

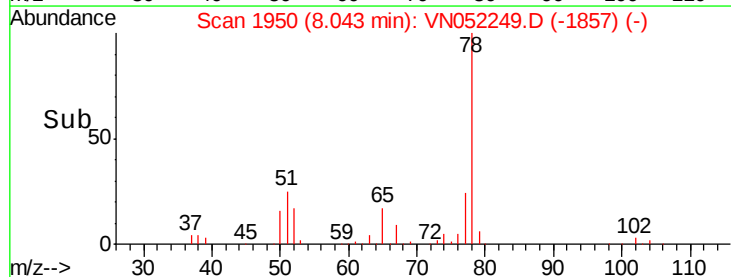
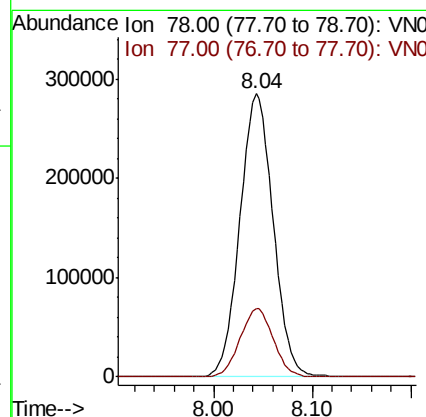
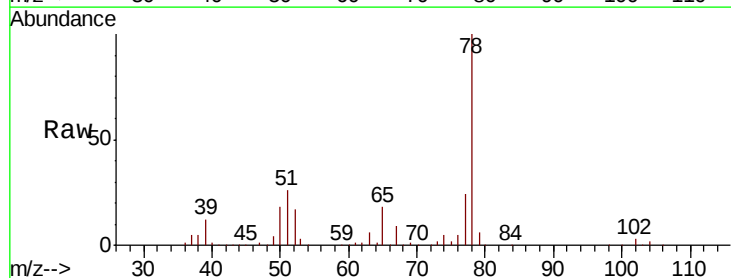
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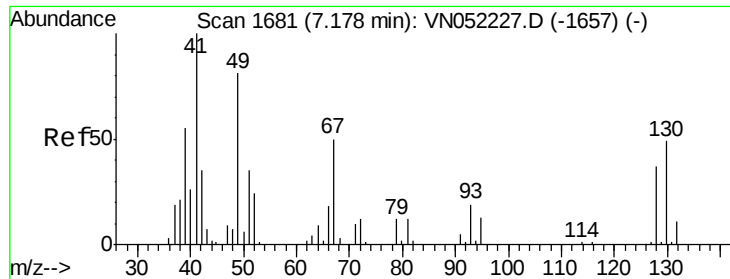
MMDadoda
11/12/2018 9:19:10 AM



#40
Benzene
Concen: 48.370 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





#41

Methacrylonitrile

Concen: 44.763 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 94172
Ion Ratio Lower Upper

41 100

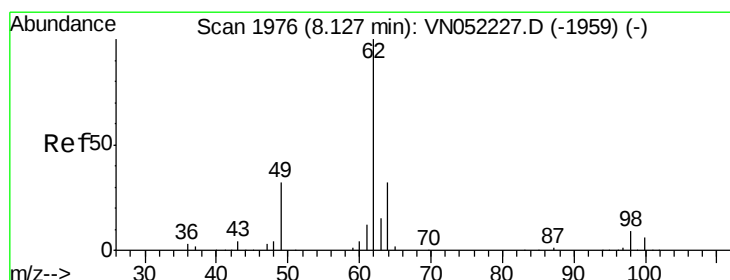
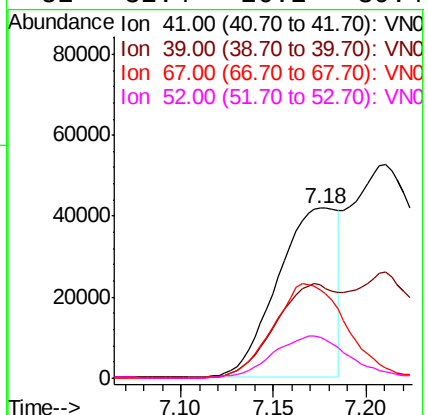
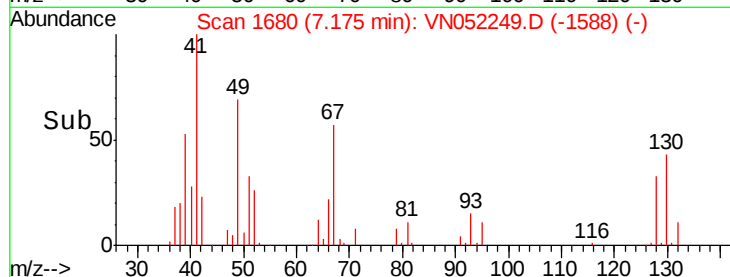
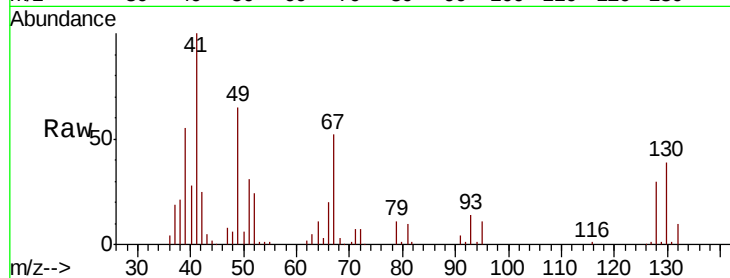
39 55.4 47.8 71.6

67 69.5 54.3 81.5

52 32.4 26.2 39.4

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#42

1,2-Dichloroethane

Concen: 47.133 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

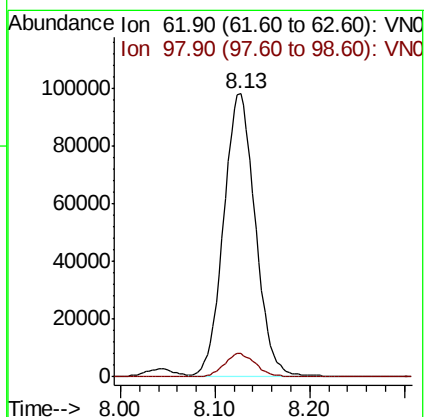
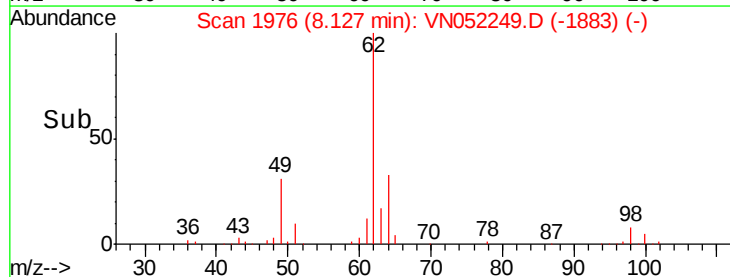
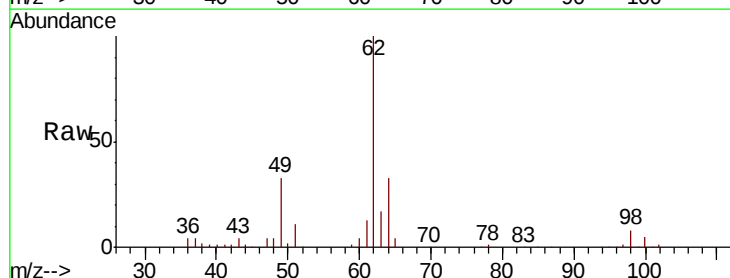
Lab File: VN052249.D

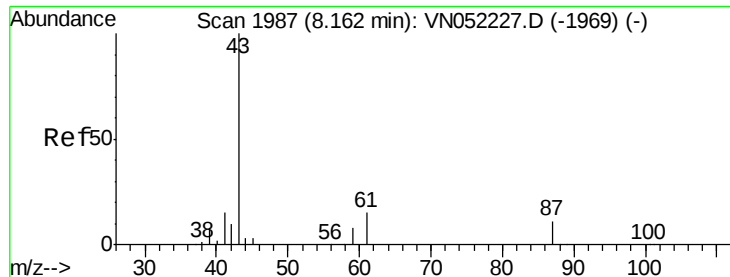
Acq: 10 Nov 2018 1:10

Tgt Ion: 62 Resp: 227916
Ion Ratio Lower Upper

62 100

98 8.1 0.0 16.4





#43

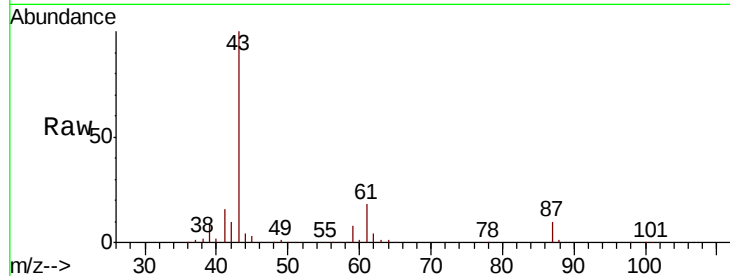
Isopropyl Acetate
 Concen: 49.762 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

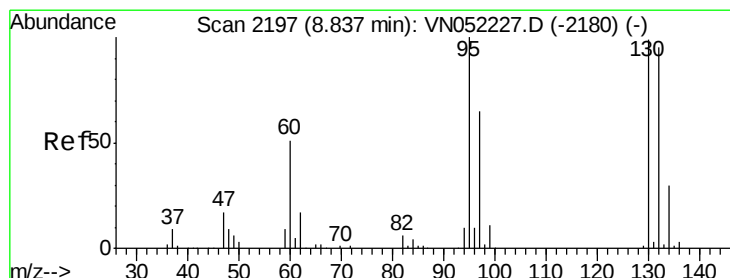
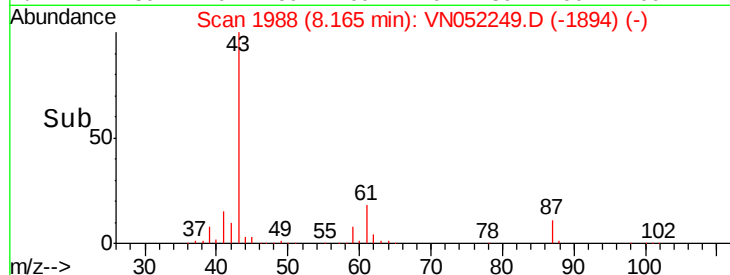
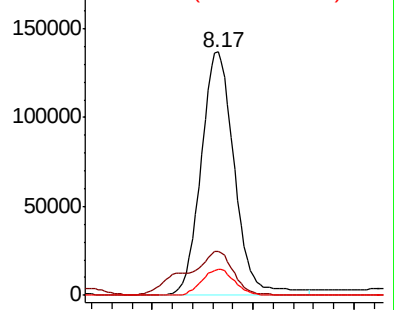
Tot Ion	43	61	87
Resp	314036		
Ratio	100	17.4	10.5
Lower		14.2	8.4
Upper		21.4	12.6

Manual Integrations
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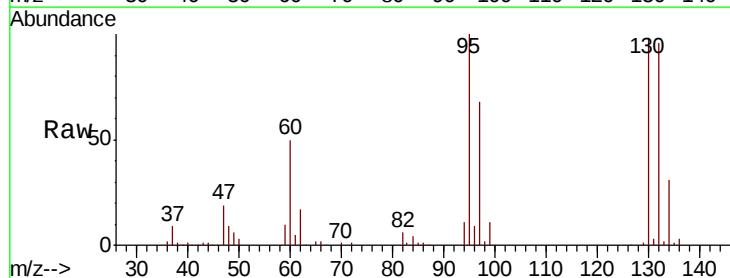
Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1969) (-)



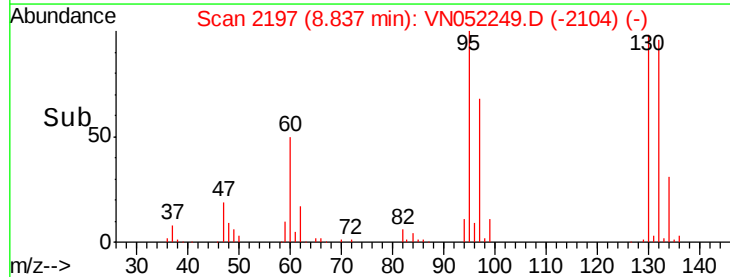
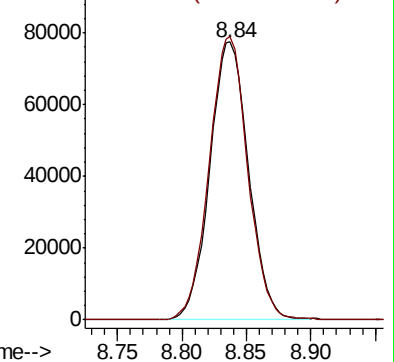
#44

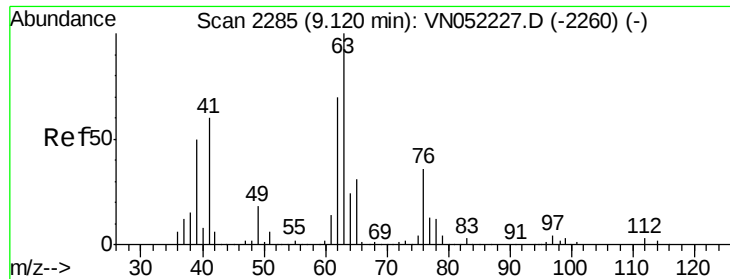
Trichloroethene
 Concen: 46.987 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion	130	95
Resp	162276	
Ratio	100	101.8
Lower		0.0
Upper		201.6



Abundance Ion 129.80 (129.50 to 130.50): VN052227.D (-2180) (-)





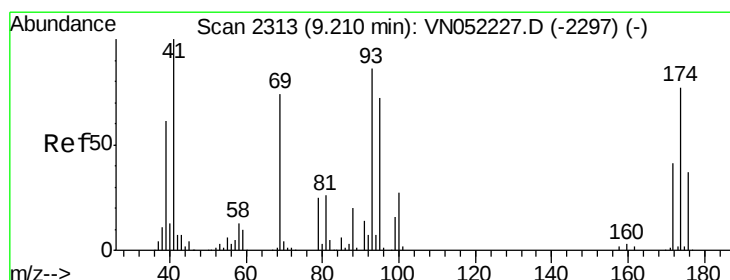
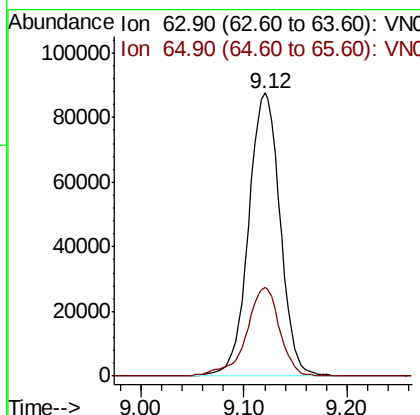
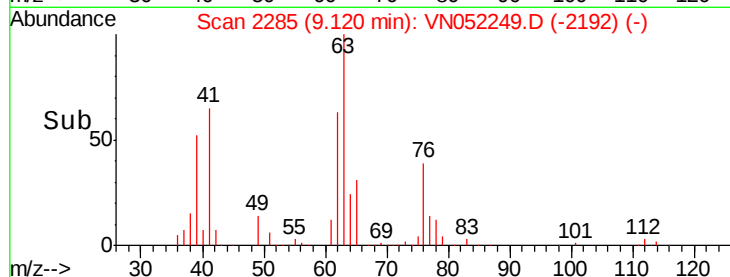
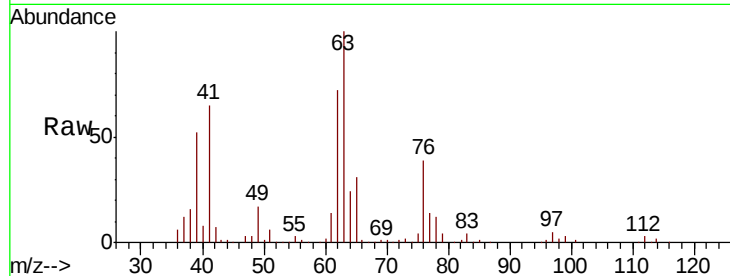
#45
 1,2-Dichloropropane
 Concen: 48.160 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 185430
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.8 37.2

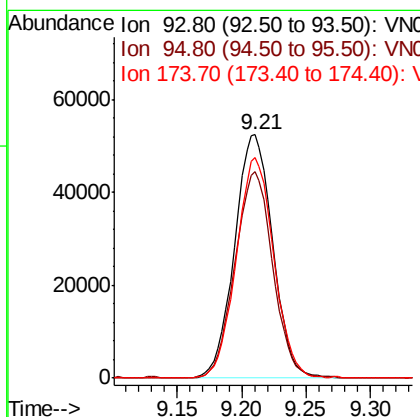
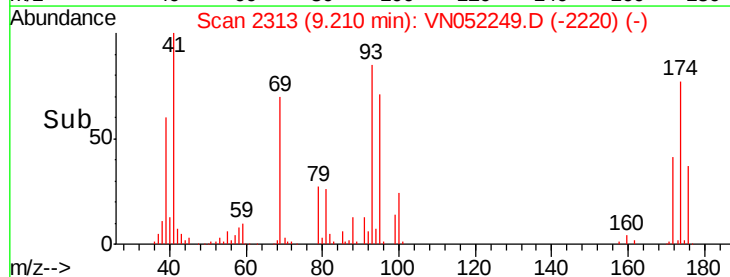
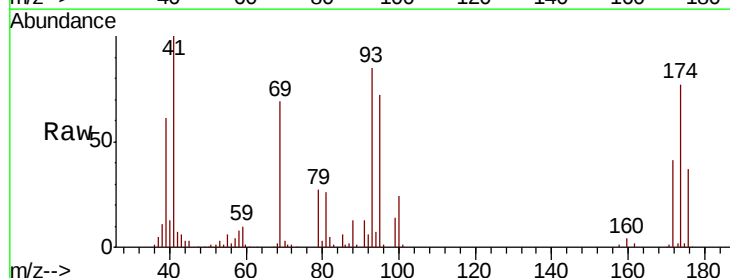
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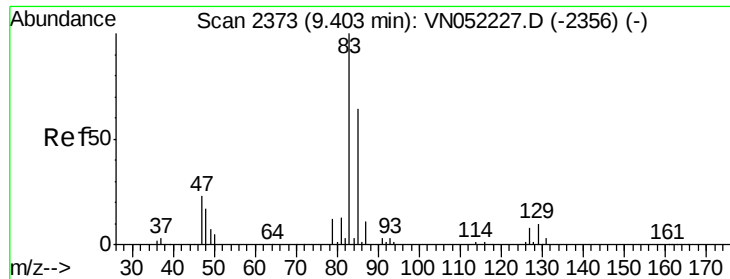
MMDadoda
 11/12/2018 9:19:10 AM



#46
 Dibromomethane
 Concen: 48.837 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion: 93 Resp: 108010
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.0 100.4
 174 89.2 72.1 108.1





#47

Bromodichloromethane

Concen: 47.874 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 219368

Ion Ratio Lower Upper

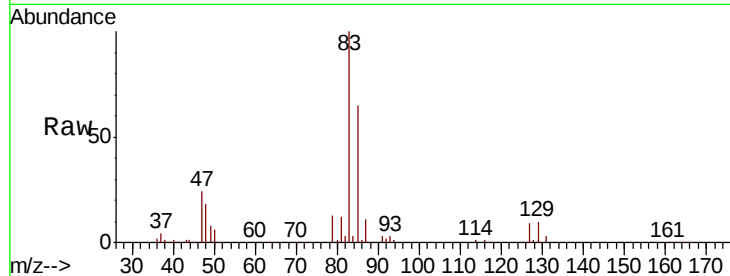
83 100

85 64.7 51.2 76.8

127 8.6 6.2 9.4

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11/12/2018 9:19:10 AM



Abundance Ion 82.90 (82.60 to 83.60): VN052227.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN052227.D (-2356) (-)

9.40

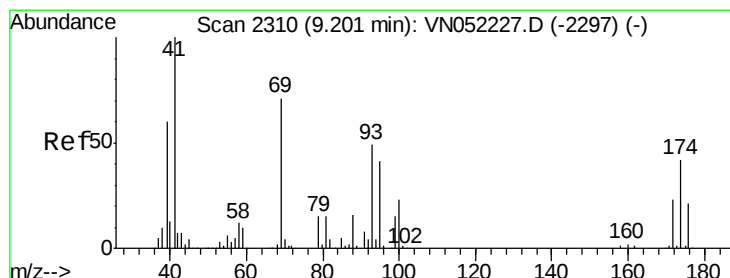
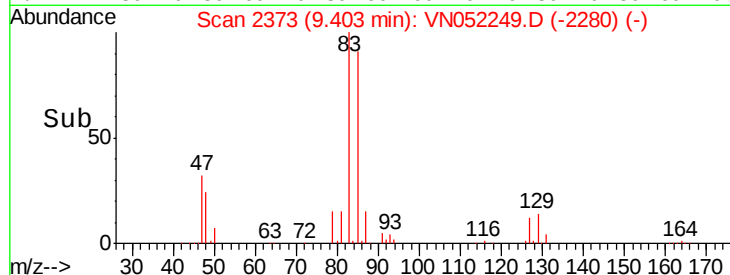
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#48

Methyl methacrylate

Concen: 49.034 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

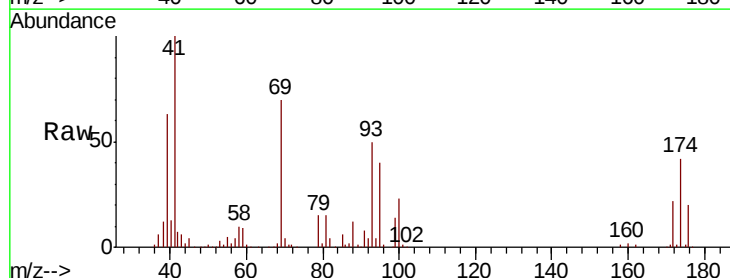
Tgt Ion: 41 Resp: 163045

Ion Ratio Lower Upper

41 100

69 73.0 58.8 88.2

39 63.5 50.7 76.1



Abundance Ion 41.00 (40.70 to 41.70): VN052227.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052227.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-2297) (-)

9.20

120000

100000

80000

60000

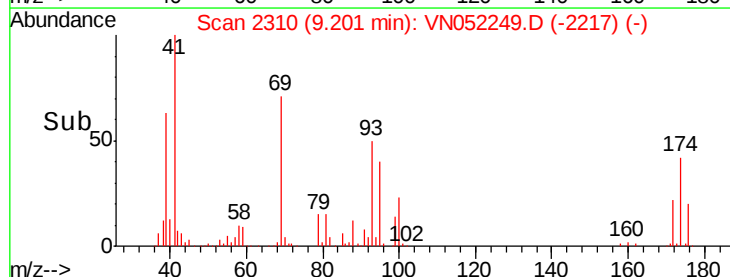
40000

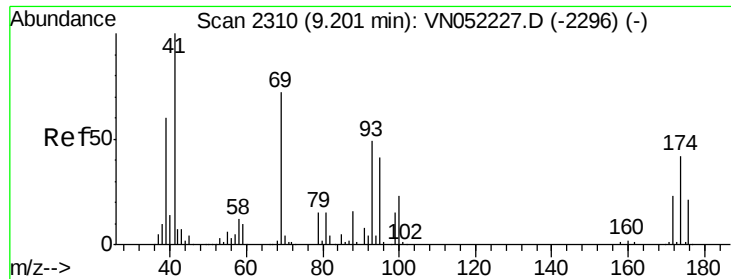
20000

0

9.15 9.20 9.25

Time-->





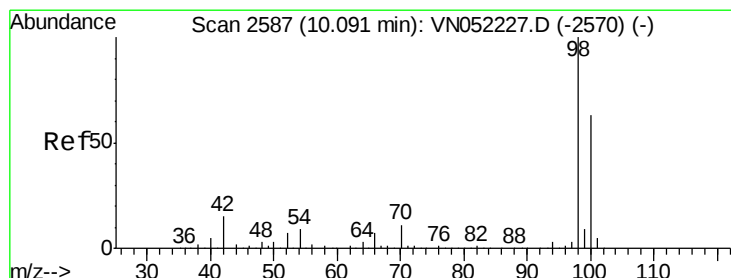
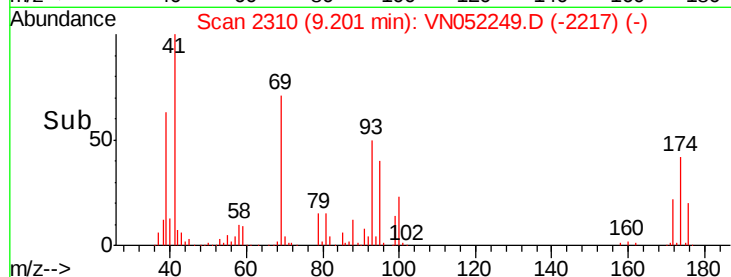
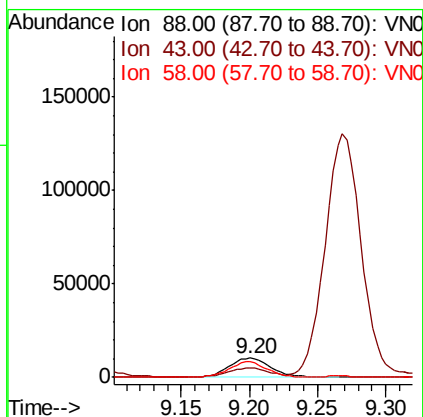
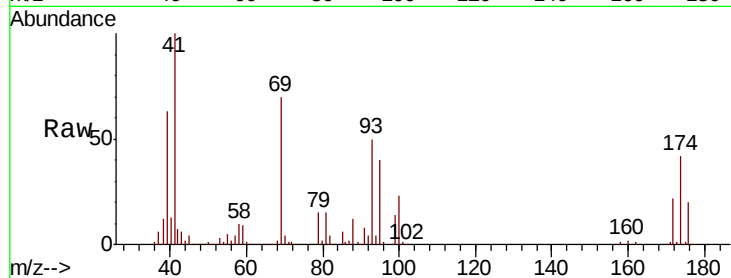
#49
1,4-Dioxane
Concen: 826.038 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.5	32.5	48.7
58	74.2	58.2	87.4

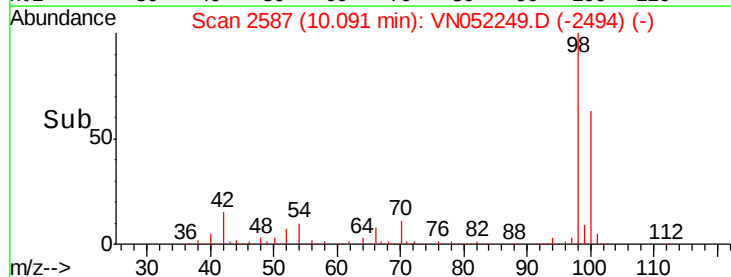
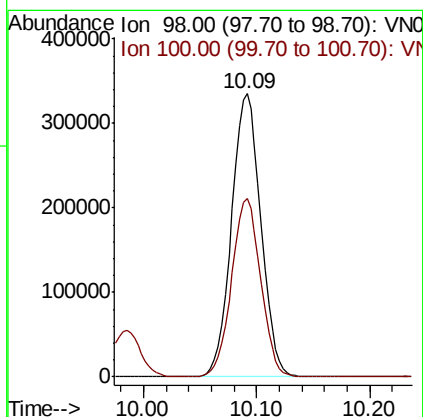
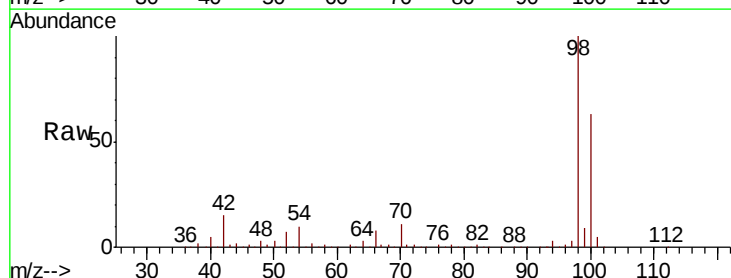
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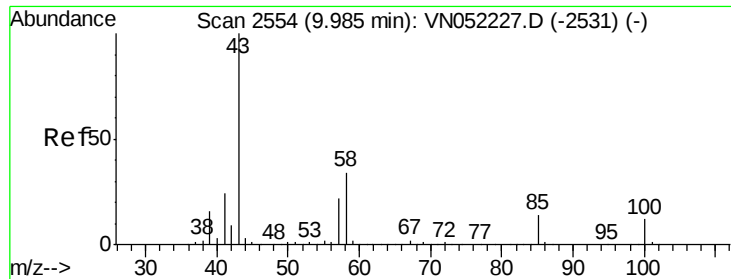
MMDadoda
11/12/2018 9:19:10 AM



#50
Toluene-d8
Concen: 826.038 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	50.2	75.2





#51

4-Methyl-2-Pentanone

Concen: 245.934 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 857111

Ion Ratio Lower Upper

43 100

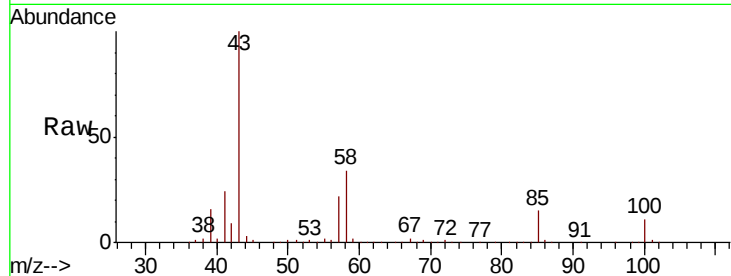
58 34.2 27.4 41.0

Manual Integrations

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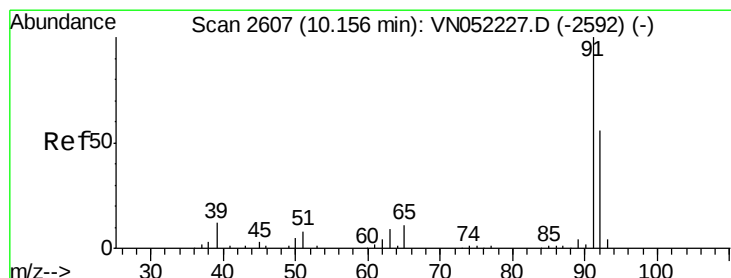
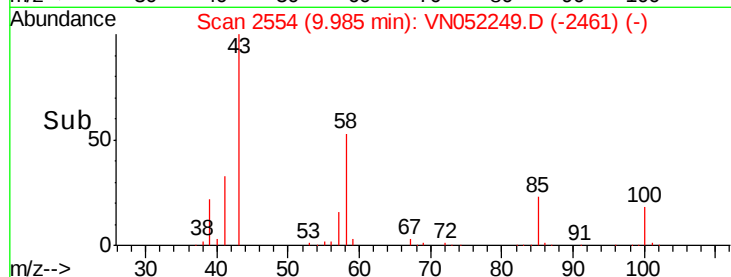
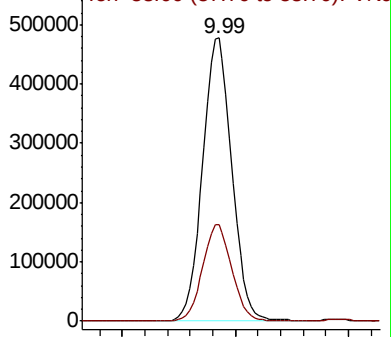
MMDadoda

11/12/2018 9:19:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.397 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052249.D

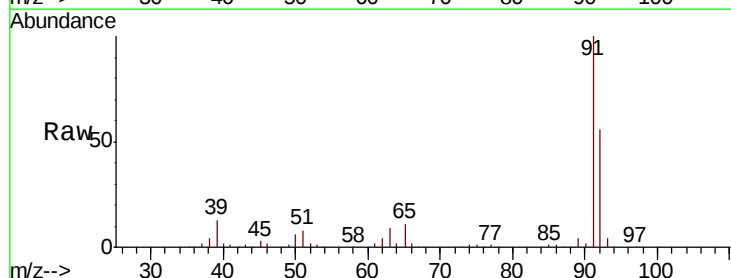
Acq: 10 Nov 2018 1:10

Tgt Ion: 92 Resp: 402358

Ion Ratio Lower Upper

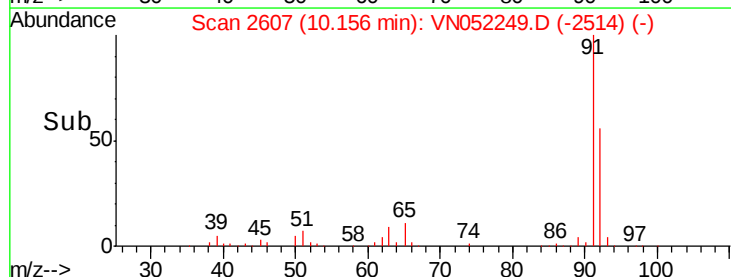
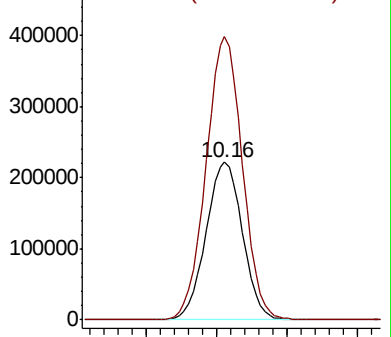
92 100

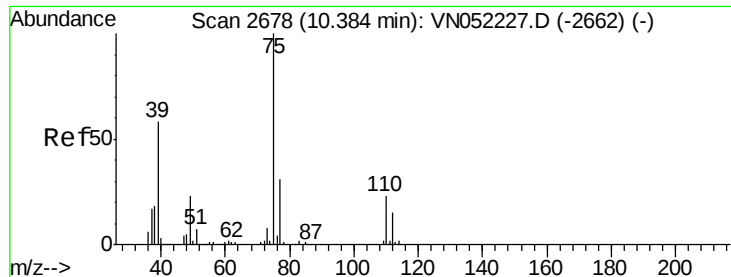
91 178.5 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





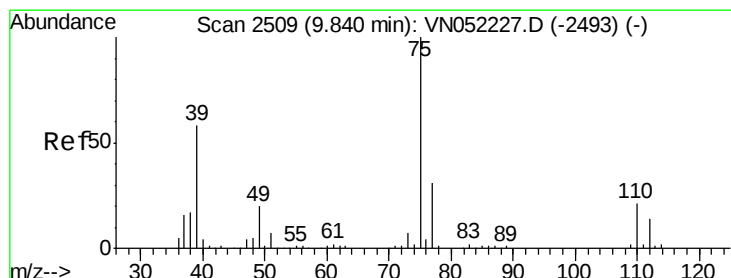
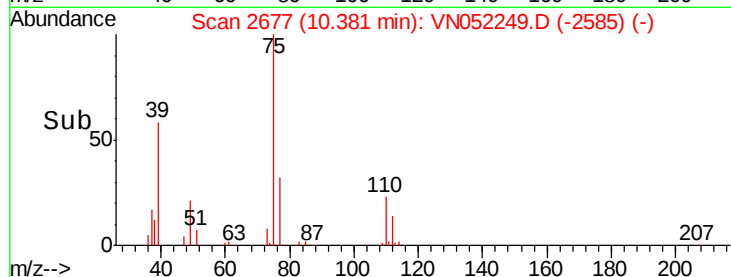
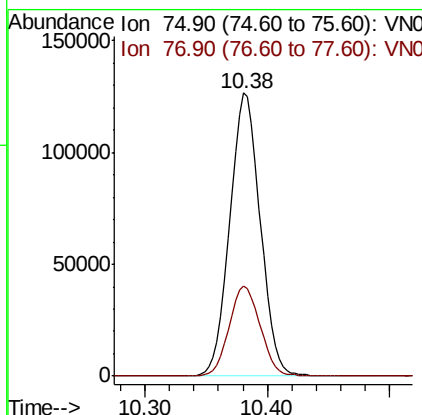
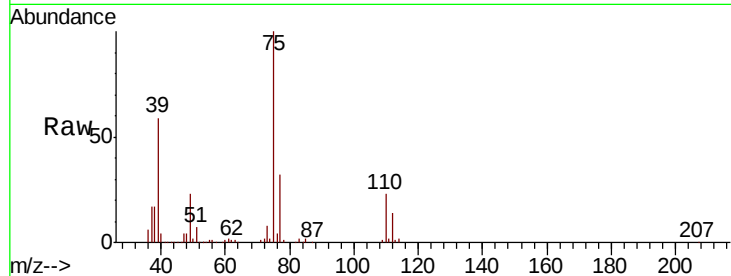
#53
t-1,3-Dichloropropene
Concen: 48.766 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 220510
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8

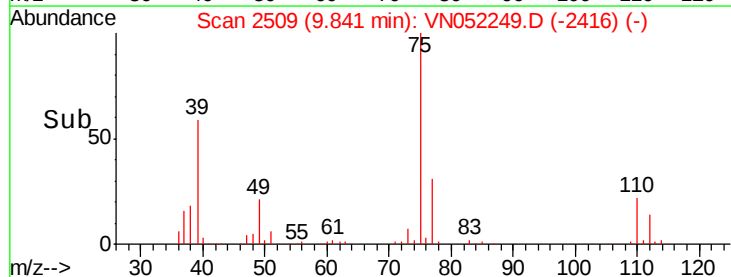
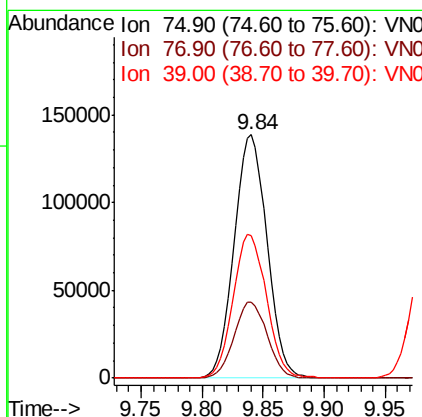
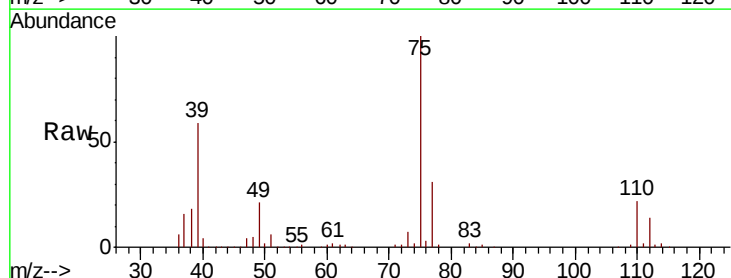
Manual Integrations
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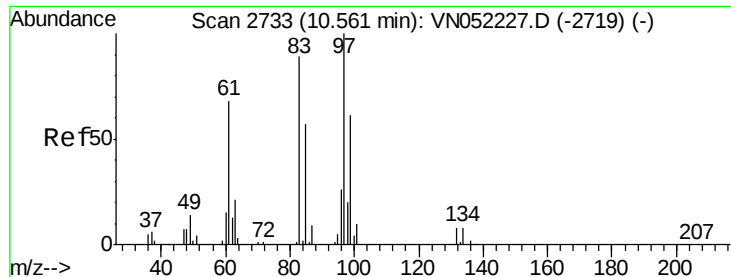
MMDadoda
11/12/2018 9:19:10 AM



#54
cis-1,3-Dichloropropene
Concen: 48.593 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion: 75 Resp: 259380
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8
39 58.4 46.6 70.0





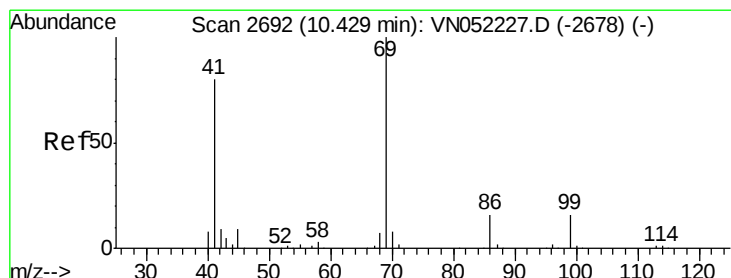
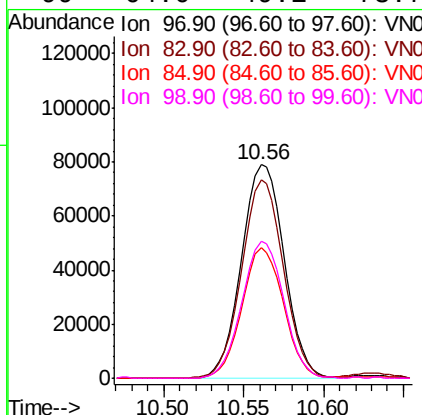
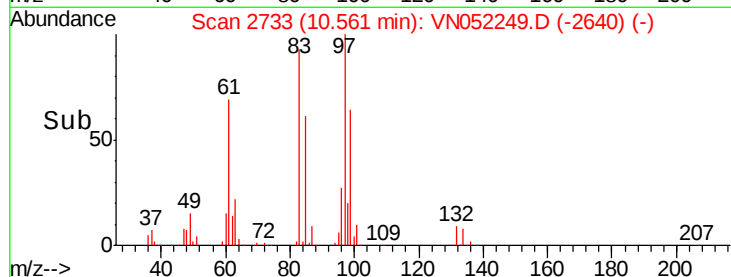
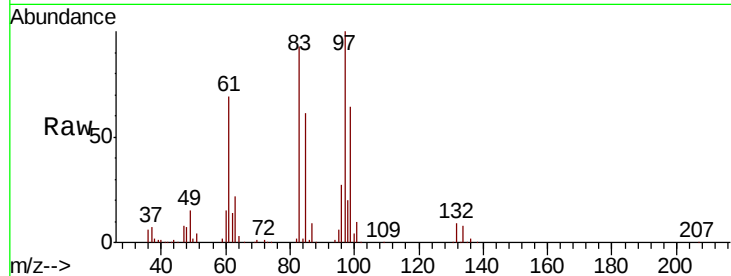
#55
 1,1,2-Trichloroethane
 Concen: 47.932 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	144035
Ion	Ratio	Lower	Upper
97	100		
83	93.0	71.2	106.8
85	60.9	45.6	68.4
99	64.0	49.1	73.7

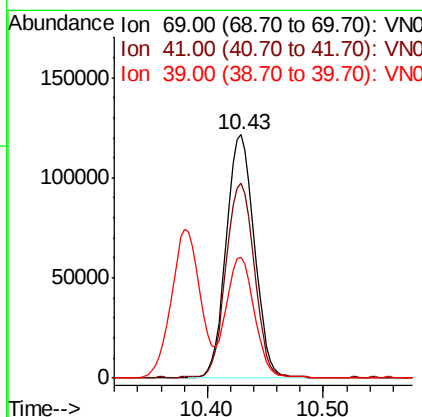
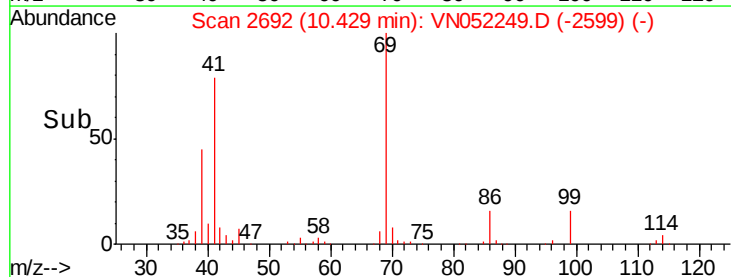
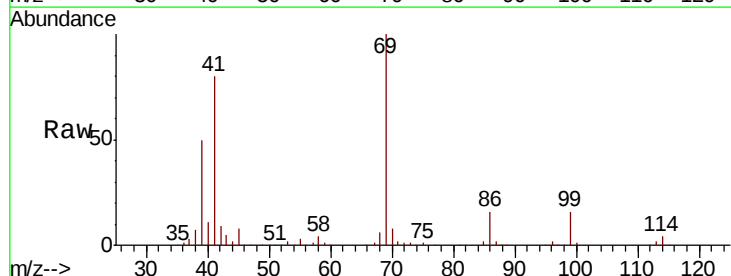
Manual Integrations
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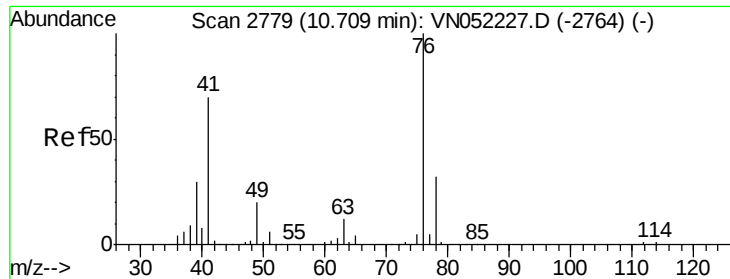
MMDadoda
 11/12/2018 9:19:10 AM



#56
 Ethyl methacrylate
 Concen: 50.332 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion:	69	Resp:	204412
Ion	Ratio	Lower	Upper
69	100		
41	79.8	64.0	96.0
39	49.1	37.8	56.8





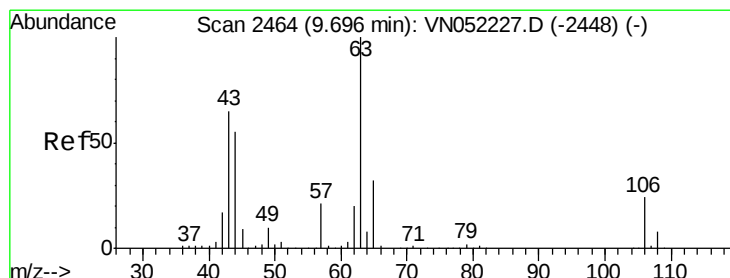
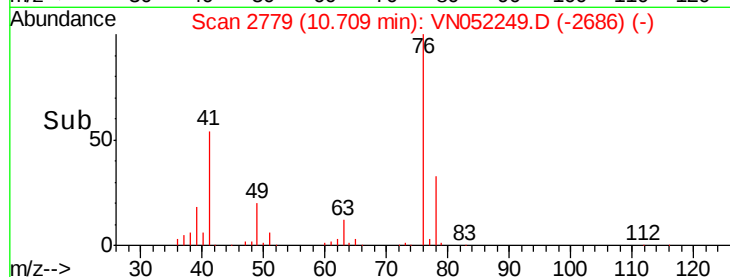
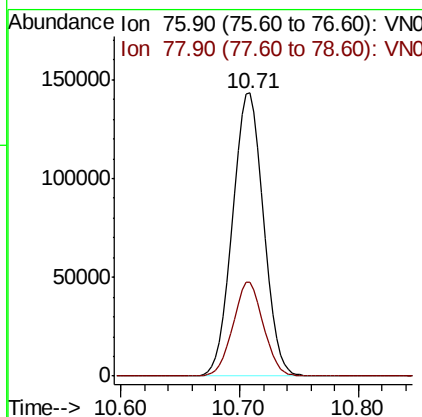
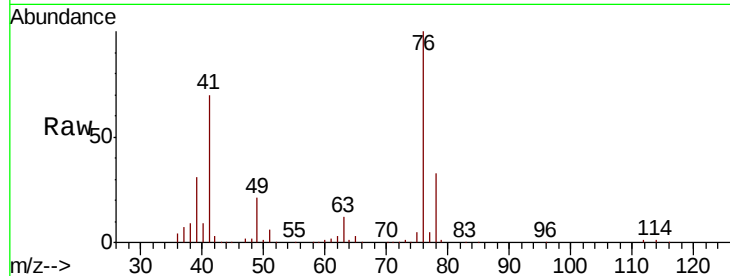
#57
 1,3-Dichloropropane
 Concen: 48.209 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 259329
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

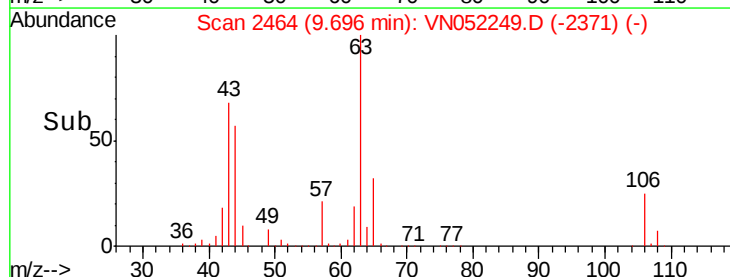
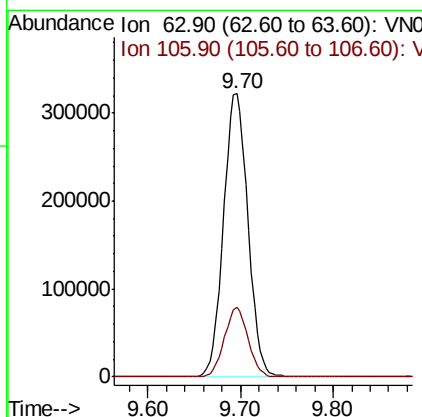
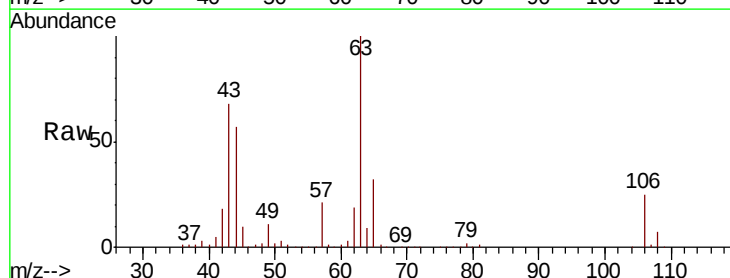
Manual Integrations
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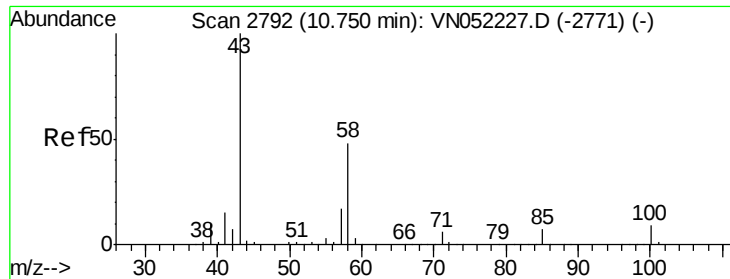
MMDadoda
 11/12/2018 9:19:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.895 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion: 63 Resp: 586696
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.5 29.3





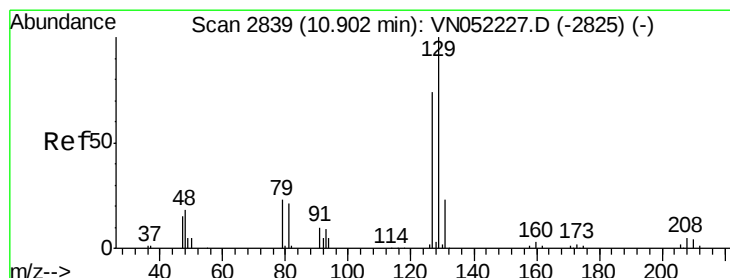
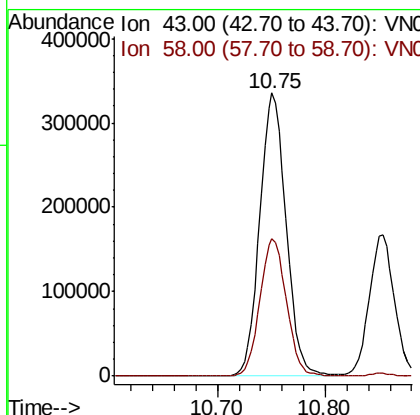
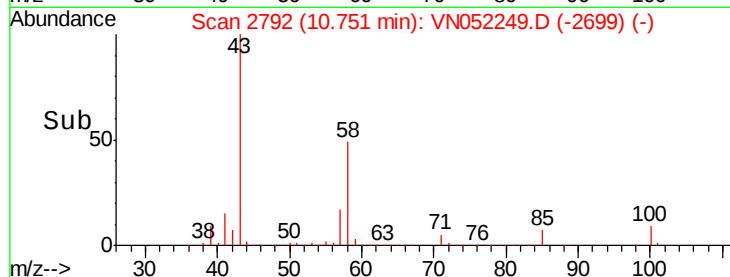
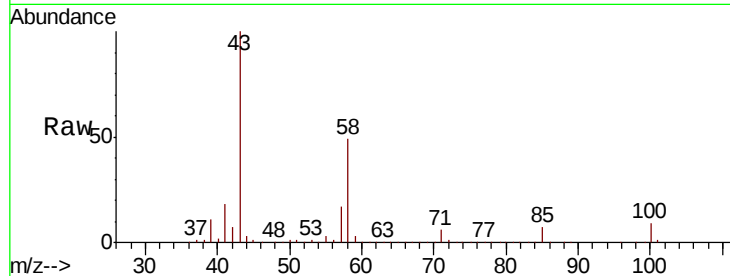
#59
2-Hexanone
Concen: 232.089 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.1	72.3

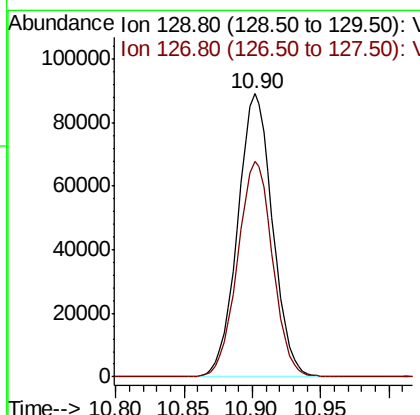
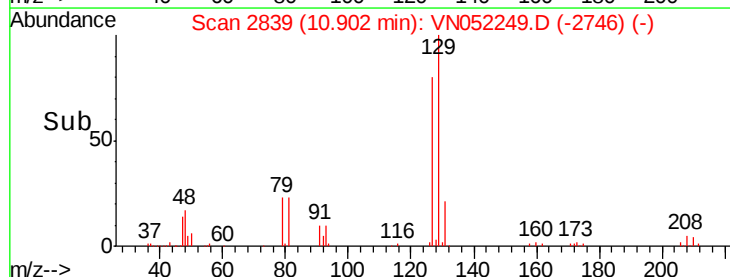
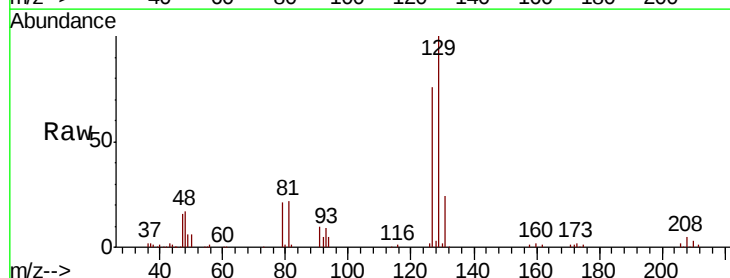
Manual Integrations
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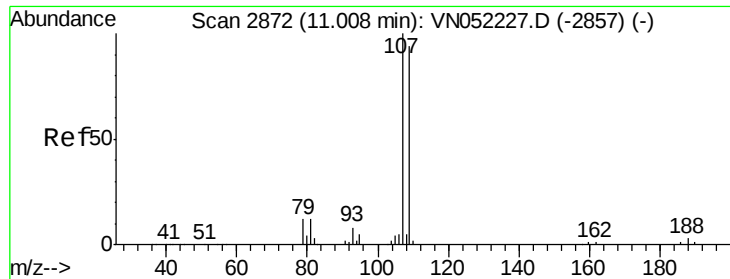
MMDadoda
11/12/2018 9:19:10 AM



#60
Dibromochloromethane
Concen: 51.901 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.0	114.1





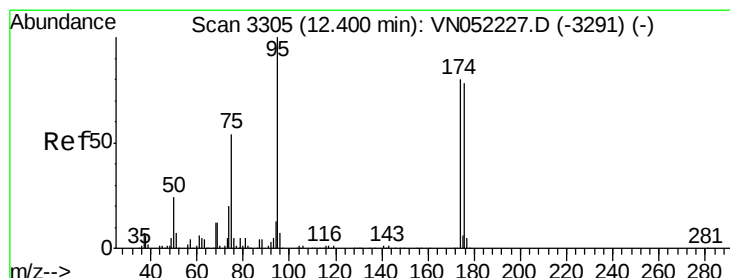
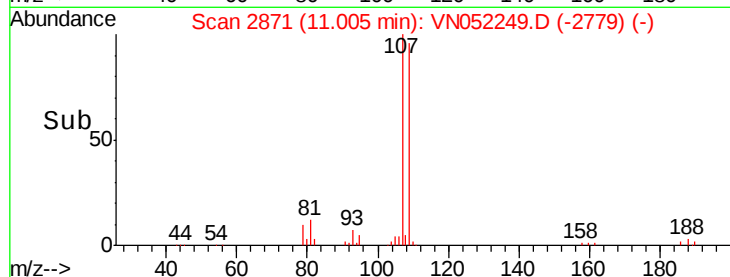
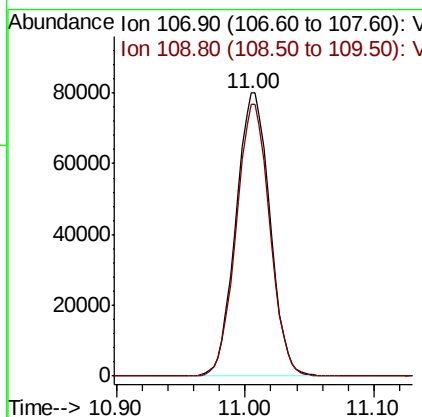
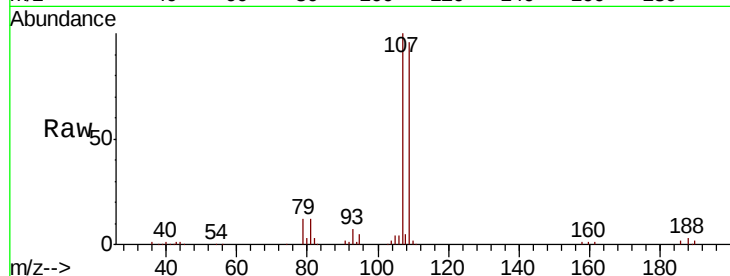
#61
 1,2-Dibromoethane
 Concen: 49.743 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.8	113.6

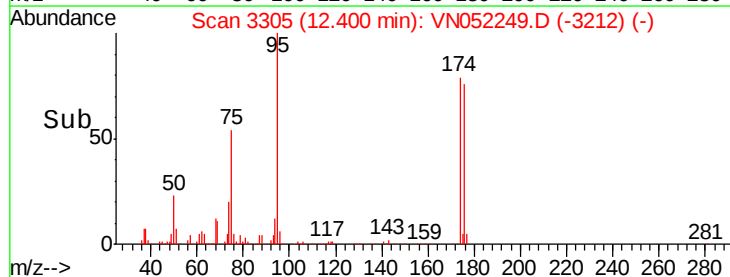
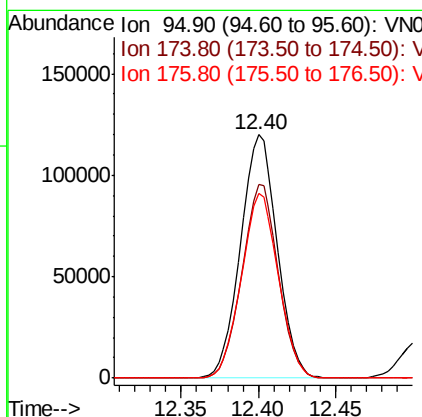
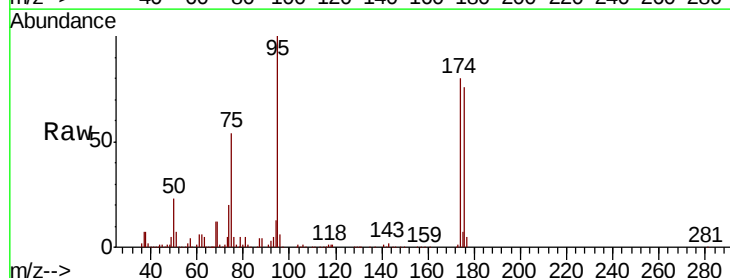
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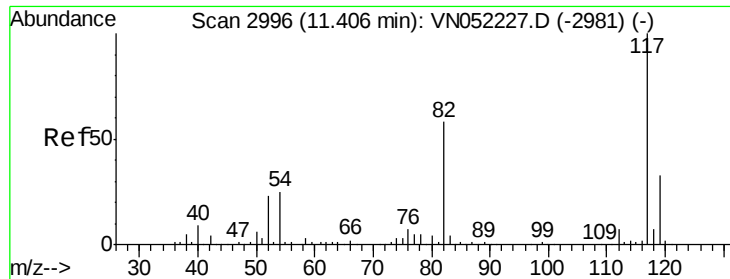
MMDadoda
 11/12/2018 9:19:10 AM



#62
 4-Bromofluorobenzene
 Concen: 49.743 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	159.4
176	76.3	0.0	157.8





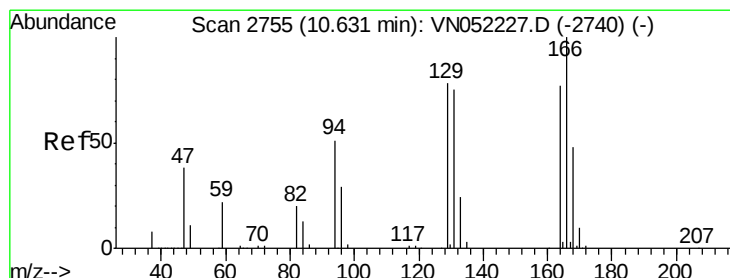
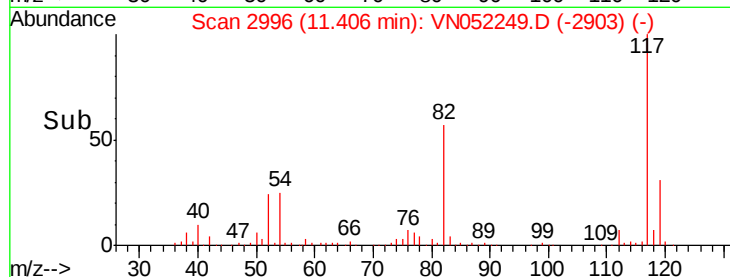
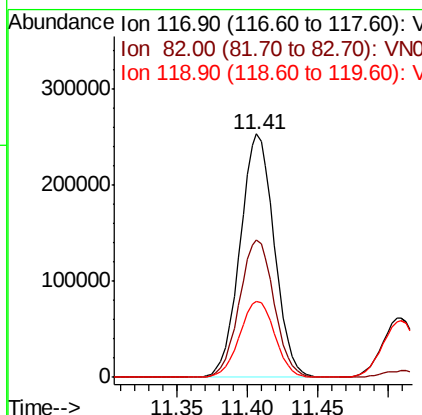
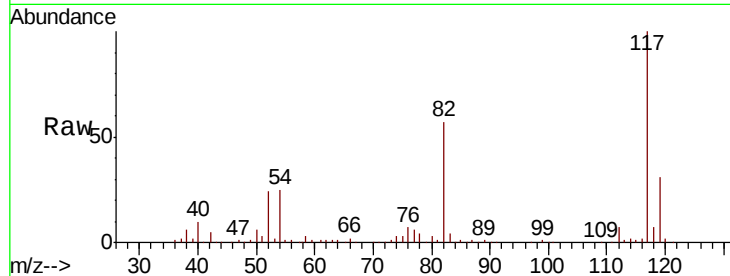
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.2	69.2
119	31.4	26.2	39.4

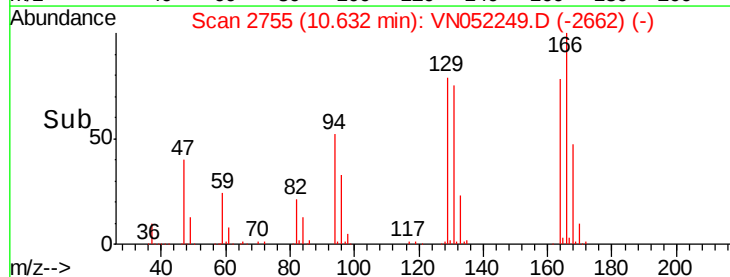
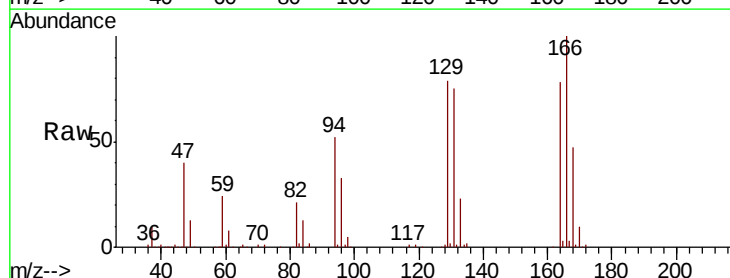
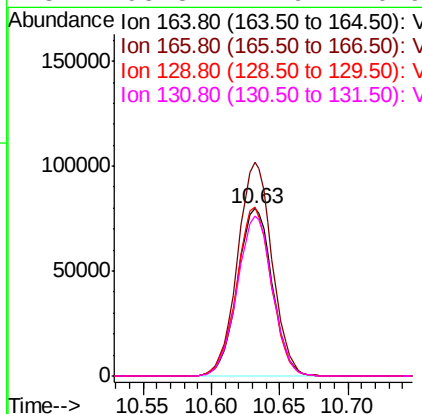
Manual Integrations
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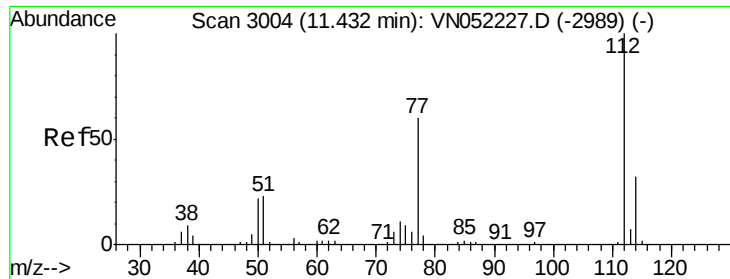
MMDadoda
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#64
Tetrachloroethene
Concen: 47.251 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.6	155.4
129	100.7	81.0	121.6
131	95.8	77.9	116.9





#65

Chlorobenzene

Concen: 48.120 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 437729

Ion Ratio Lower Upper

112 100

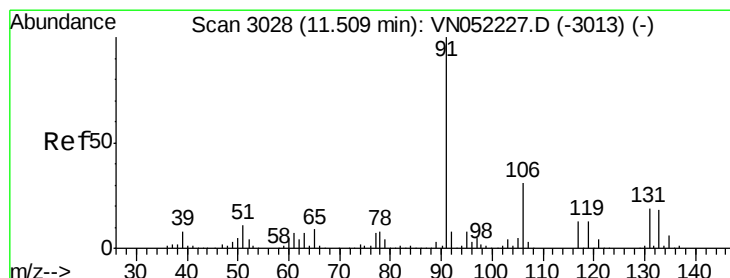
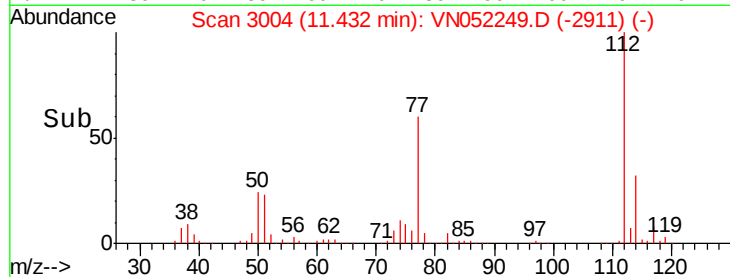
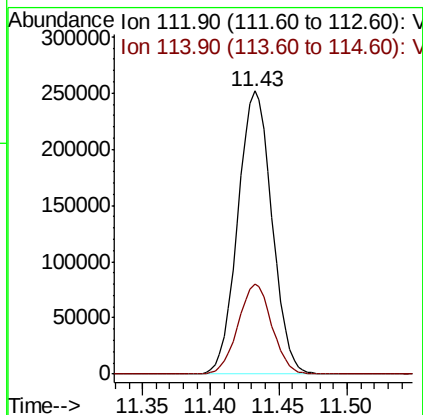
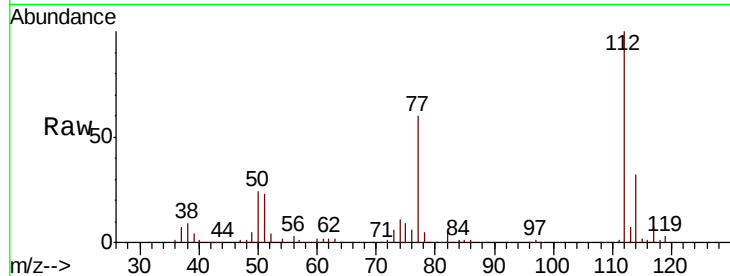
114 31.8 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.873 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

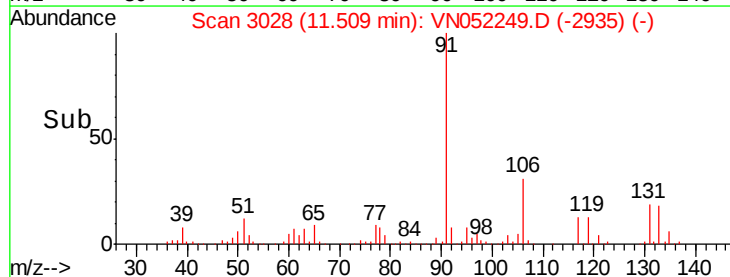
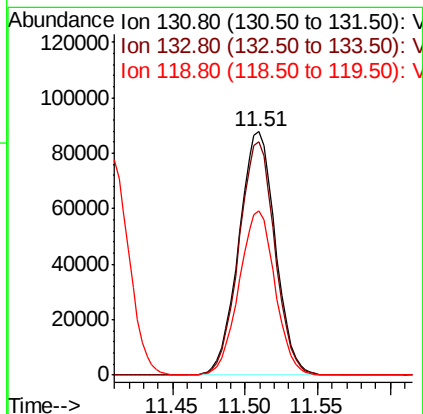
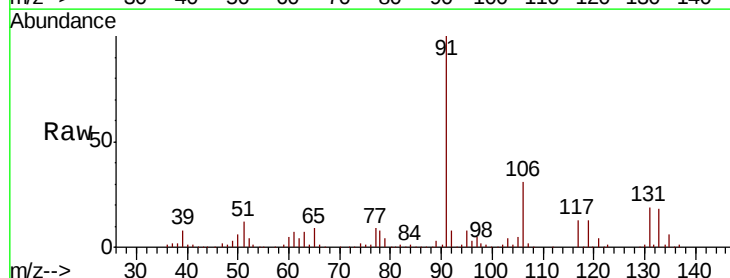
Tgt Ion:131 Resp: 153676

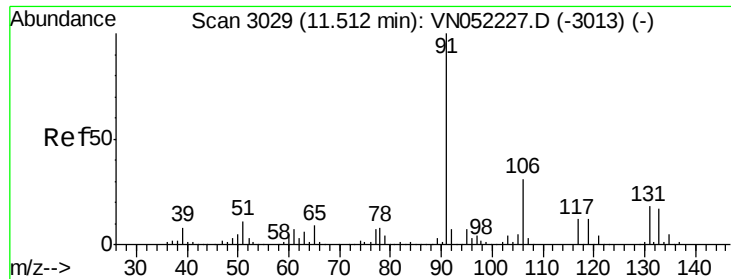
Ion Ratio Lower Upper

131 100

133 94.4 48.3 144.9

119 66.6 34.6 103.9





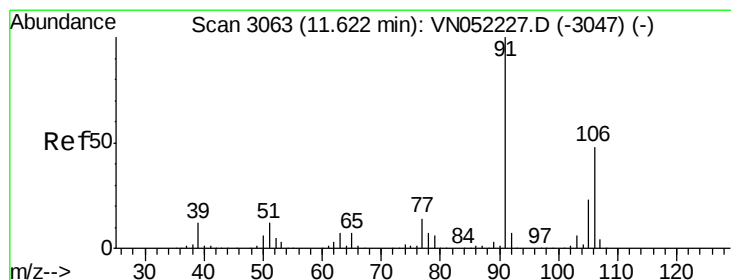
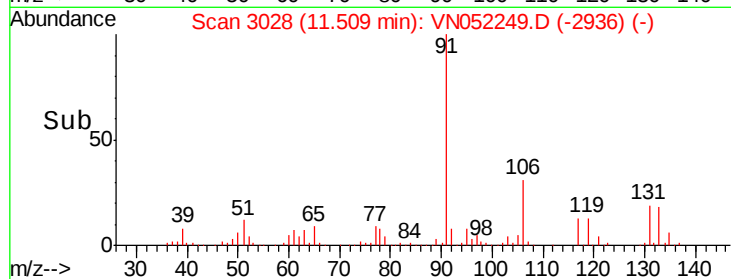
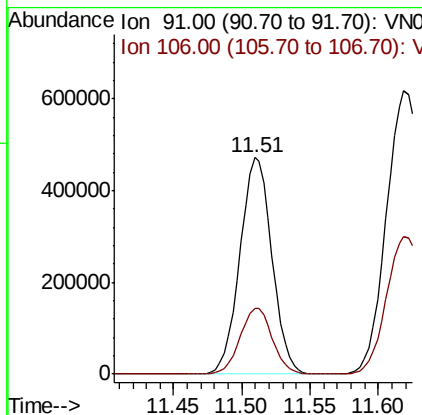
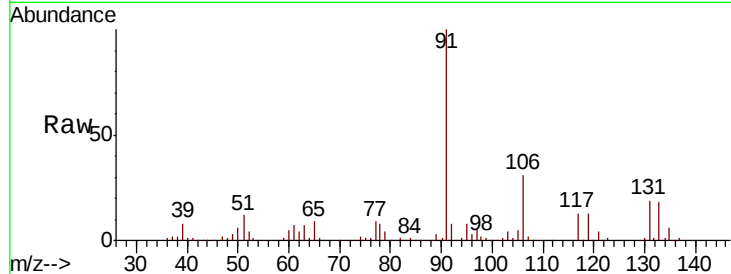
#67
Ethyl Benzene
Concen: 48.050 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 768809
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1

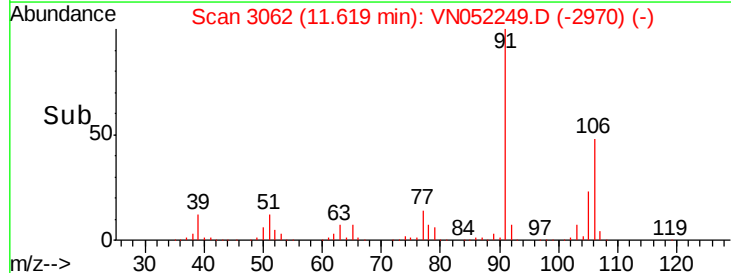
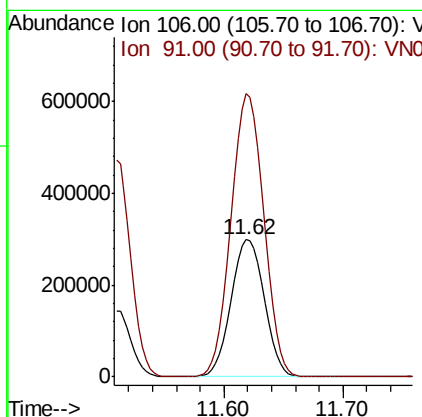
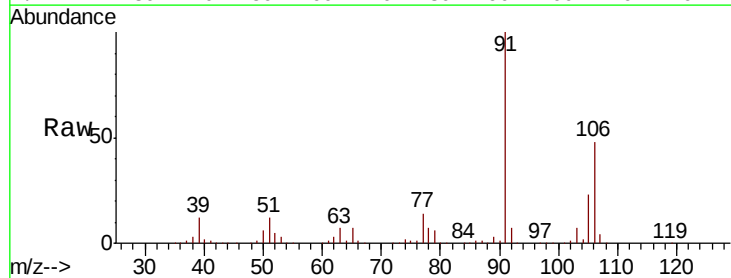
Manual Integrations
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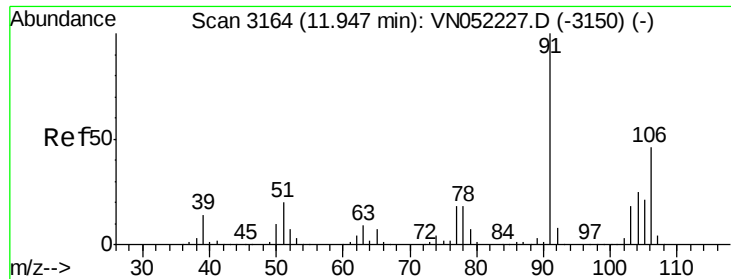
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#68
m/p-Xylenes
Concen: 97.315 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion: 106 Resp: 579875
Ion Ratio Lower Upper
106 100
91 204.0 165.7 248.5





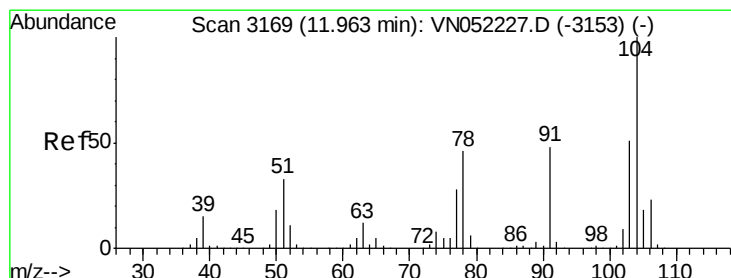
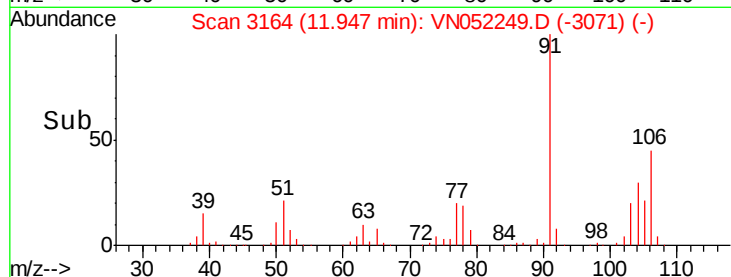
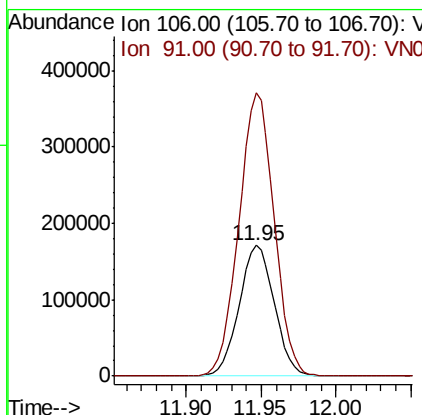
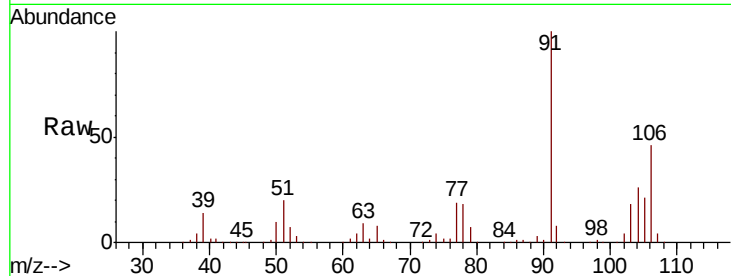
#69
o-Xylene
Concen: 49.236 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 280297
Ion Ratio Lower Upper
106 100
91 217.3 108.5 325.5

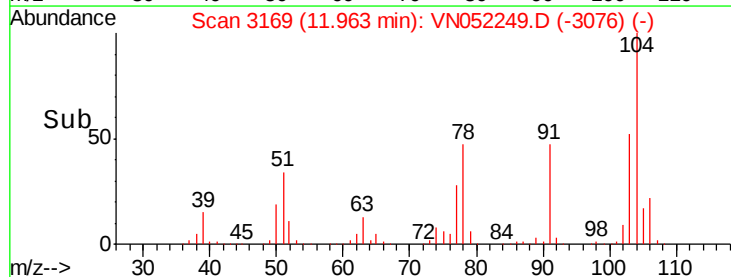
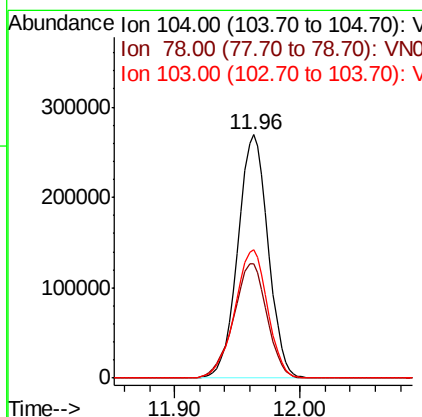
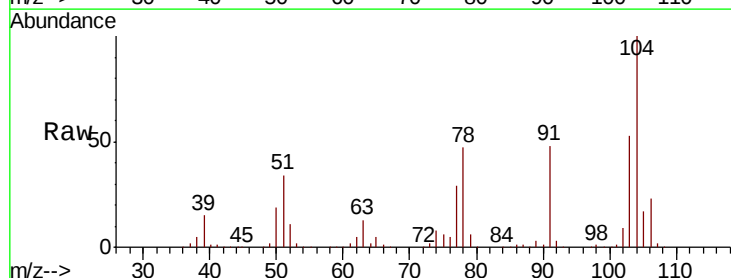
Manual Integrations
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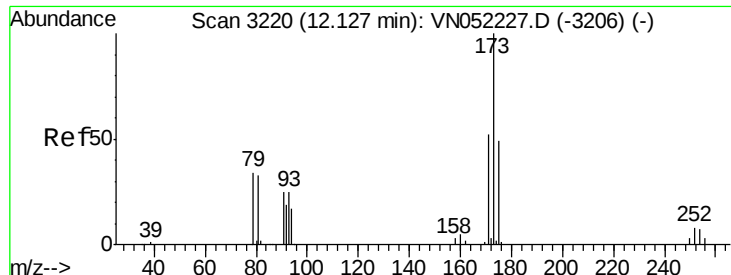
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#70
Styrene
Concen: 49.083 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion:104 Resp: 451437
Ion Ratio Lower Upper
104 100
78 52.0 41.8 62.6
103 57.1 44.9 67.3





#71

Bromoform

Concen: 49.865 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 91663

Ion Ratio Lower Upper

173 100

175 49.9 24.5 73.5

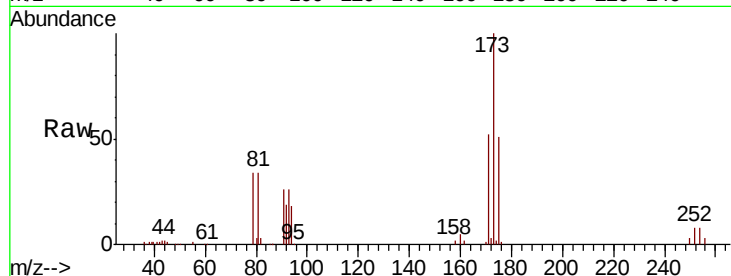
254 0.0 0.0 0.0

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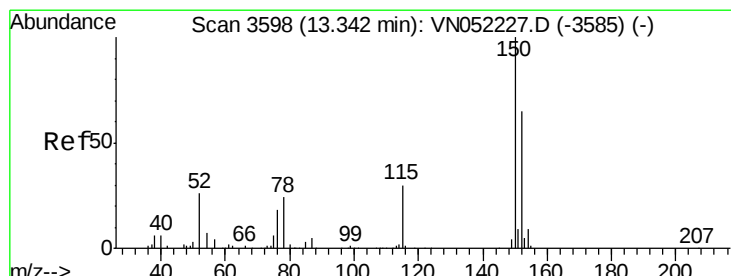
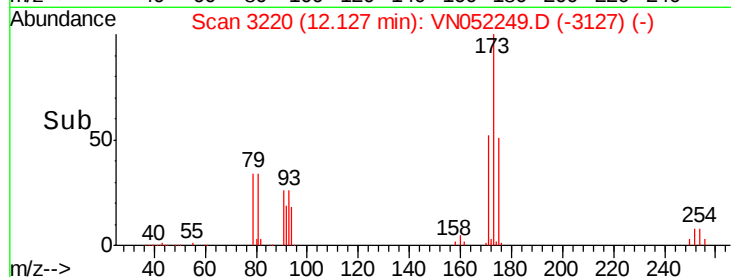
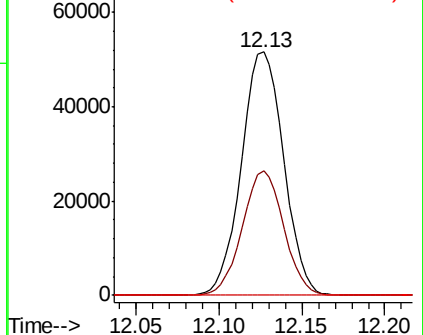
11/12/2018 9:19:10 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

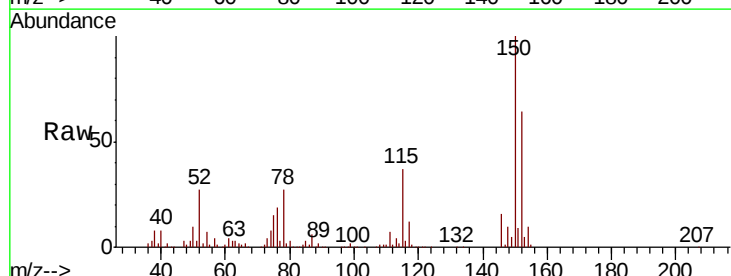
Tgt Ion:152 Resp: 196586

Ion Ratio Lower Upper

152 100

115 59.1 29.8 89.5

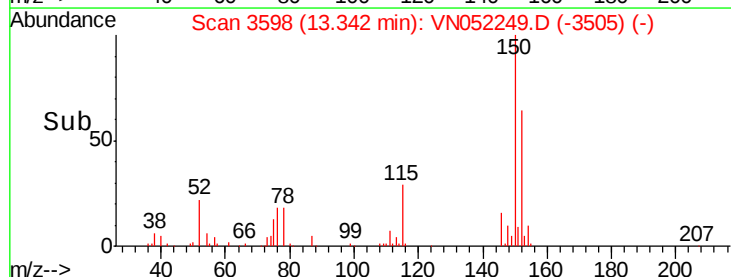
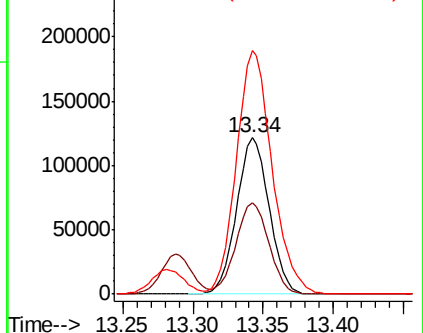
150 170.8 0.0 350.2

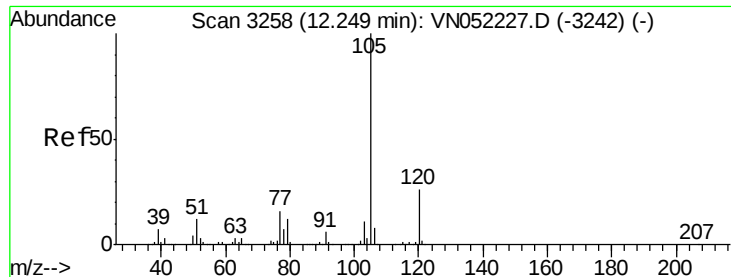


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.329 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 744511

Ion Ratio Lower Upper

105 100

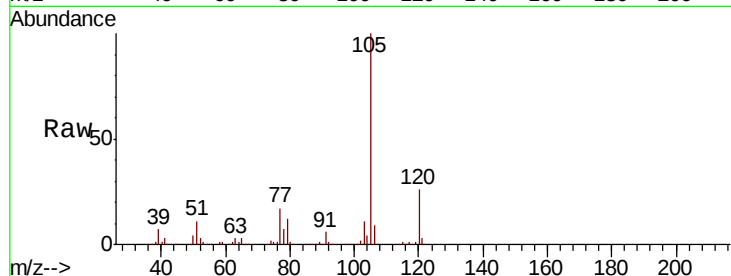
120 26.2 13.1 39.1

Manual Integrations

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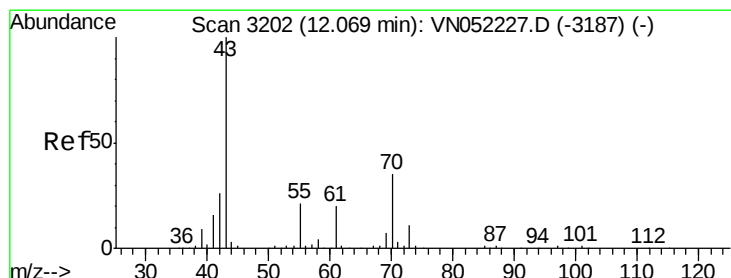
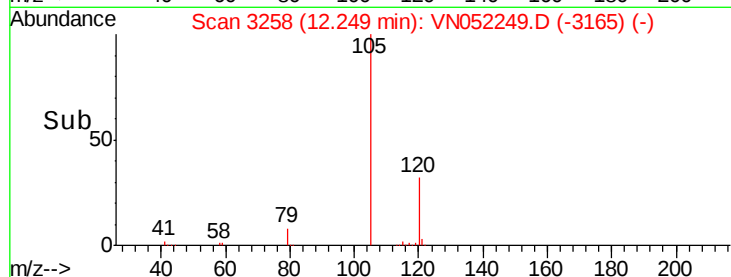
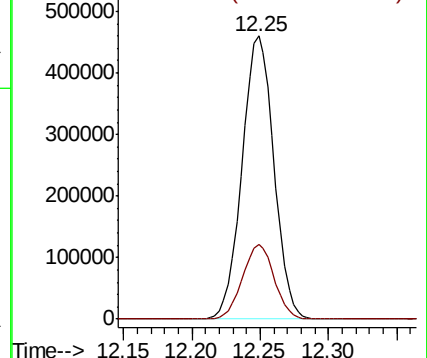
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.032 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Tgt Ion: 43 Resp: 286058

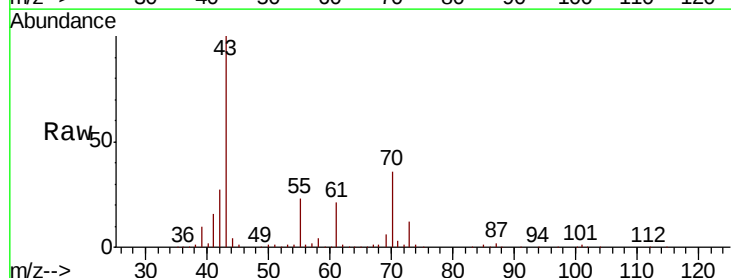
Ion Ratio Lower Upper

43 100

70 35.9 28.2 42.2

55 22.5 17.4 26.2

61 21.0 16.3 24.5

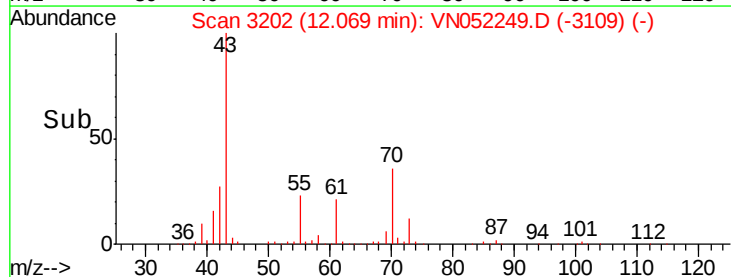
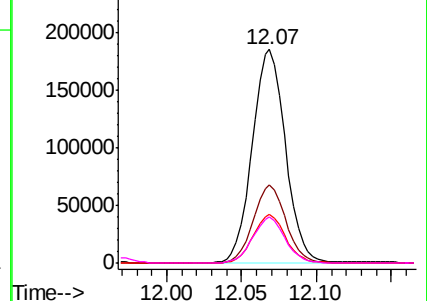


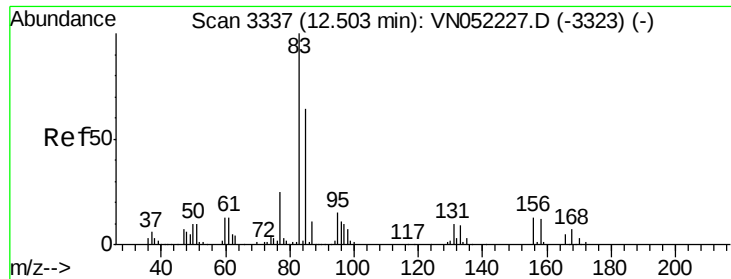
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.369 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

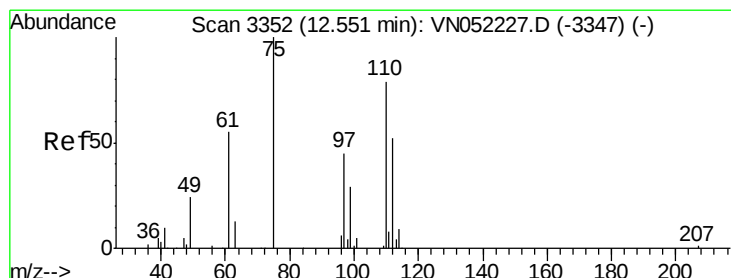
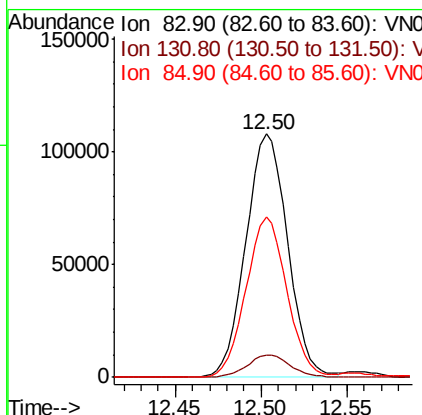
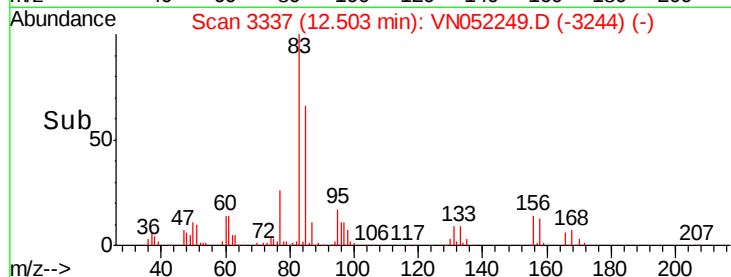
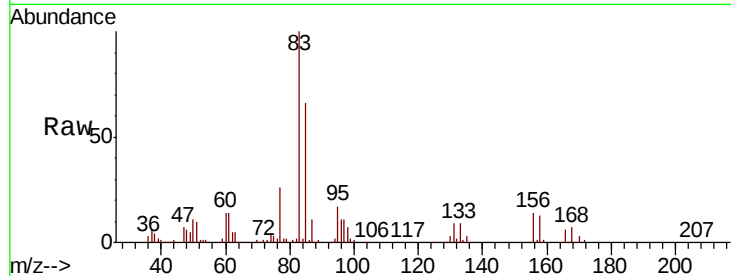
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	182676
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.1	15.2
85	64.2	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 47.523 ug/l m

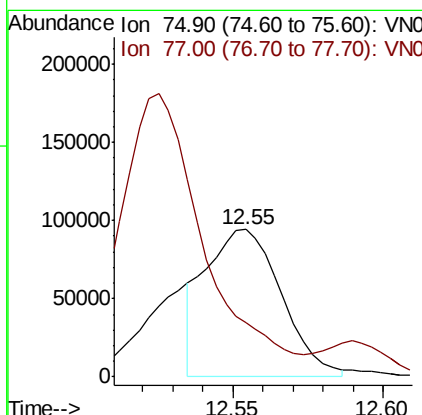
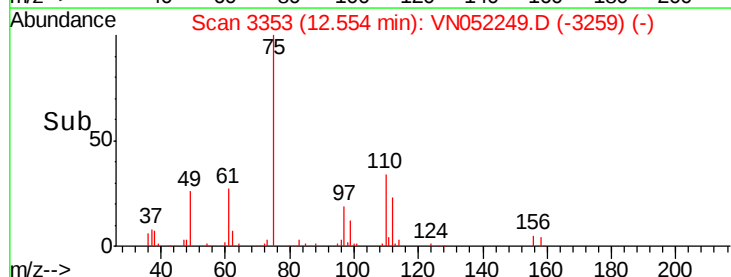
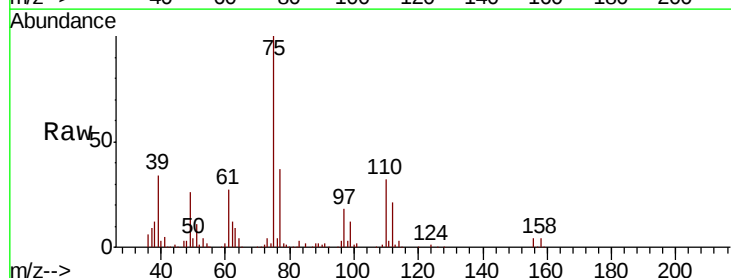
RT: 12.55 min Scan# 3353

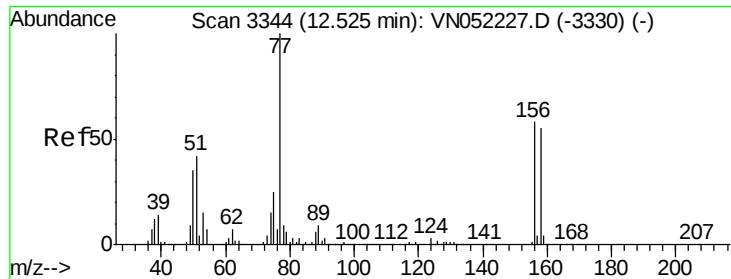
Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Tgt Ion:	75	Resp:	165292
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.277 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 174079

Ion Ratio Lower Upper

156 100

77 204.7 101.1 303.3

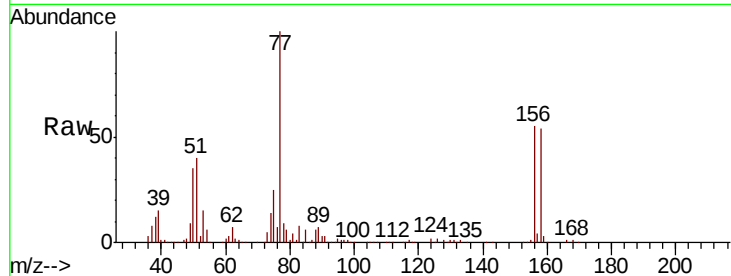
158 97.0 47.8 143.3

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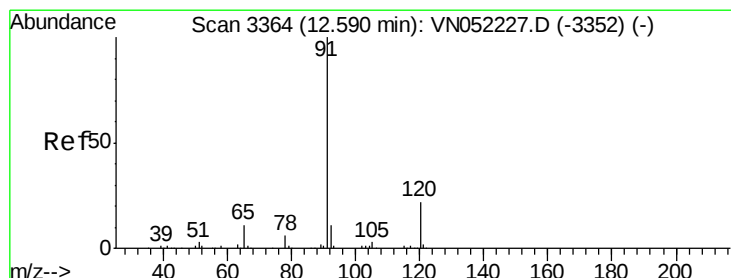
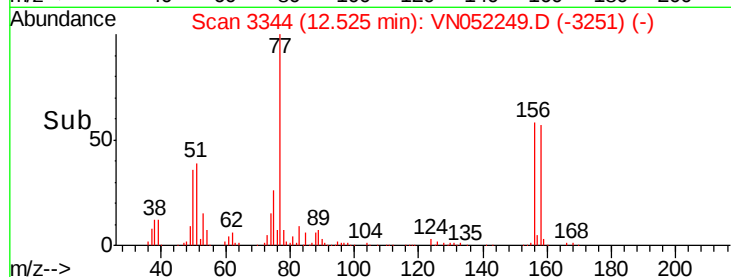
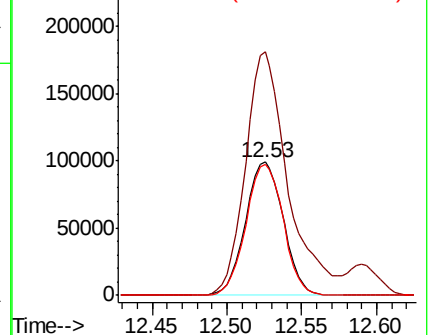
11/12/2018 9:19:10 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.685 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052249.D

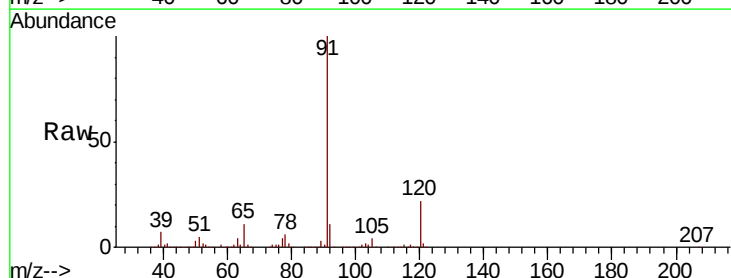
Acq: 10 Nov 2018 1:10

Tgt Ion: 91 Resp: 878691

Ion Ratio Lower Upper

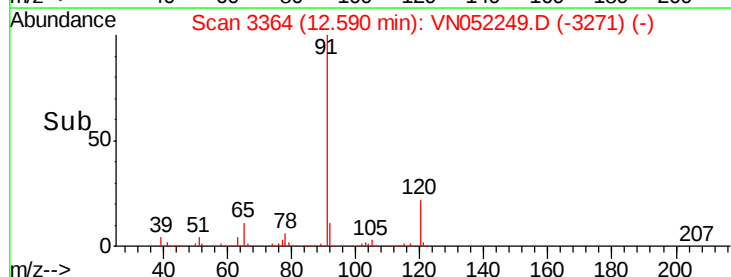
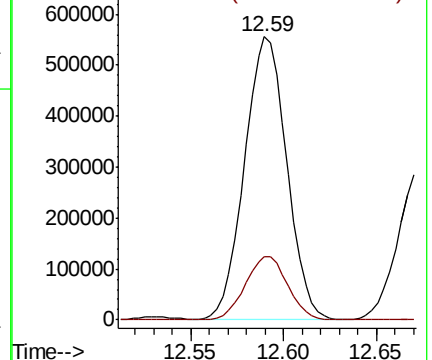
91 100

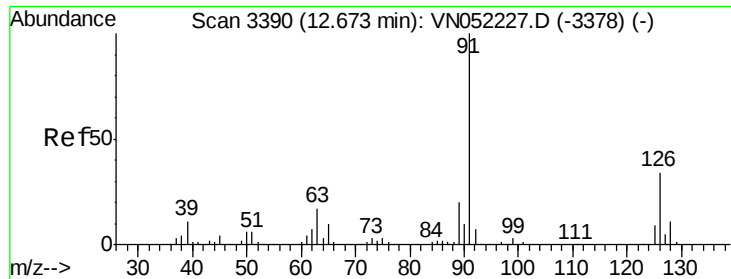
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.385 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 505765

Ion Ratio Lower Upper

91 100

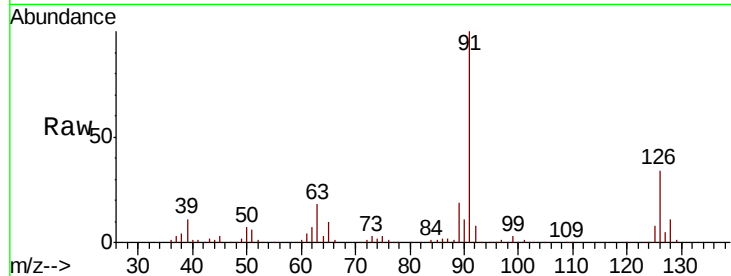
126 33.9 17.0 51.0

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Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3378) (-)

600000

500000

400000

300000

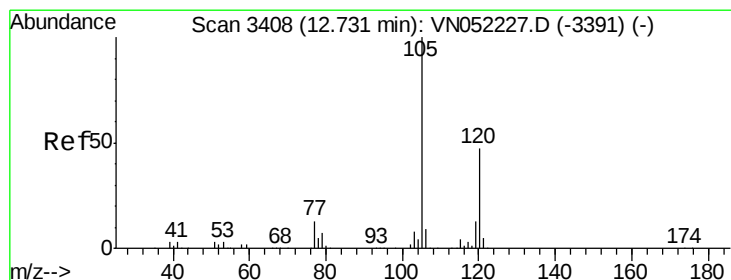
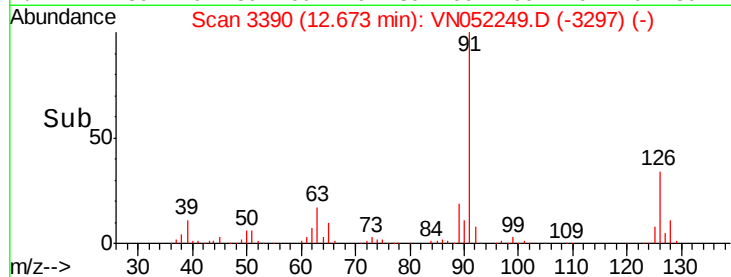
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.230 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052249.D

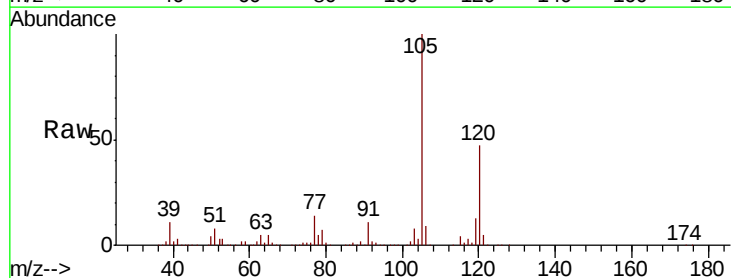
Acq: 10 Nov 2018 1:10

Tgt Ion: 105 Resp: 603610

Ion Ratio Lower Upper

105 100

120 47.6 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)

400000

300000

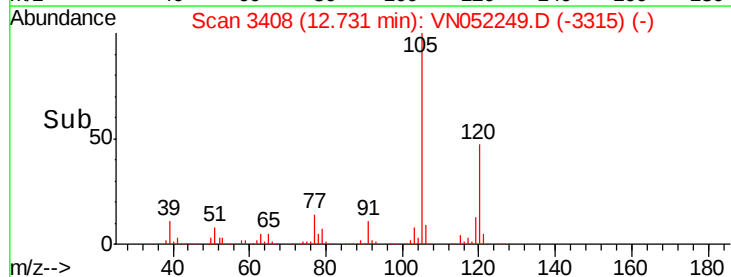
200000

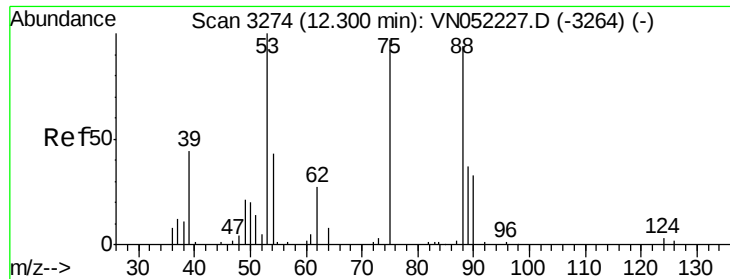
100000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.301 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052249.D

Acq: 10 Nov 2018 1:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 47178

Ion Ratio Lower Upper

75 100

53 114.1 84.0 126.0

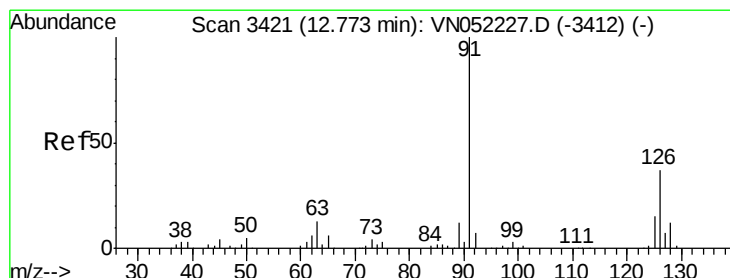
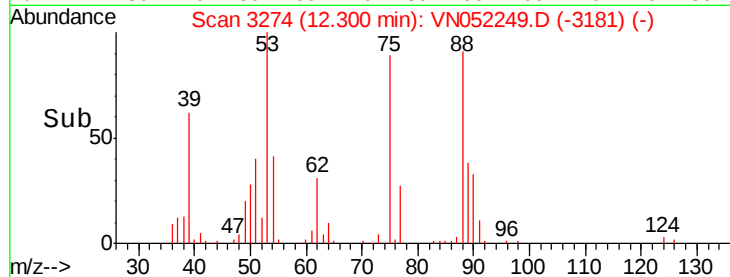
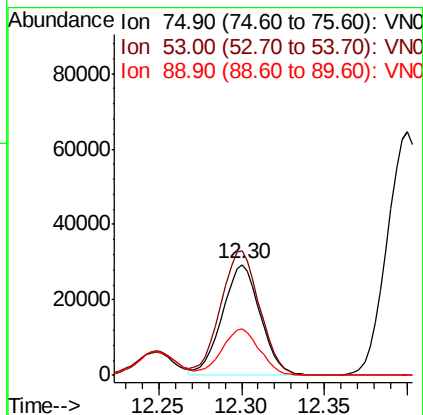
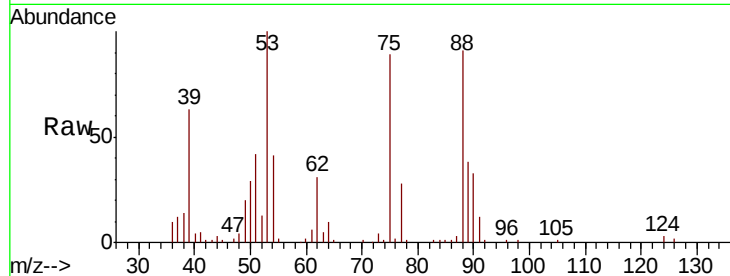
89 41.8 33.7 50.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 47.128 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052249.D

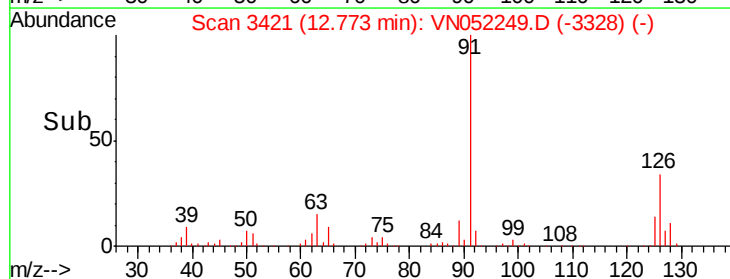
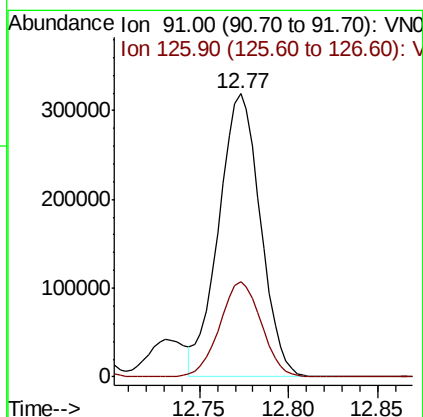
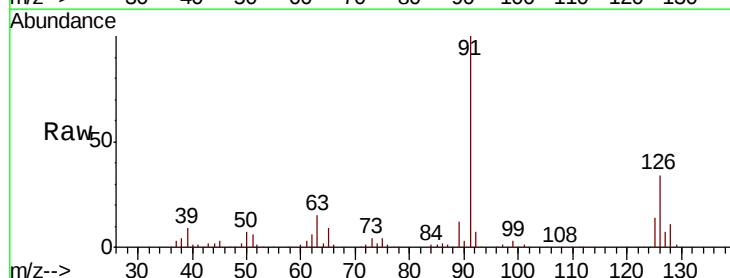
Acq: 10 Nov 2018 1:10

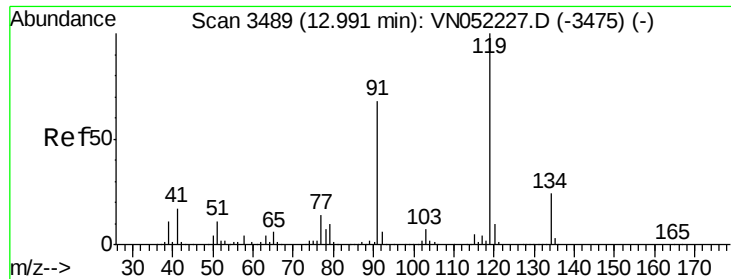
Tgt Ion: 91 Resp: 515604

Ion Ratio Lower Upper

91 100

126 33.5 16.9 50.7





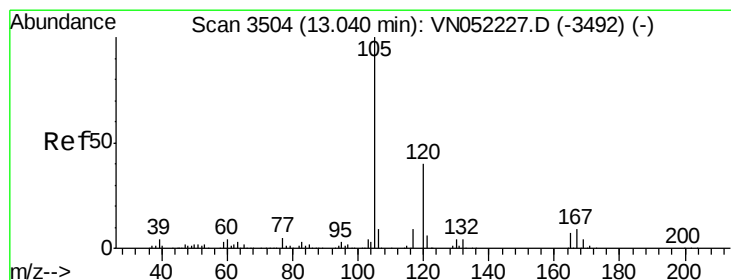
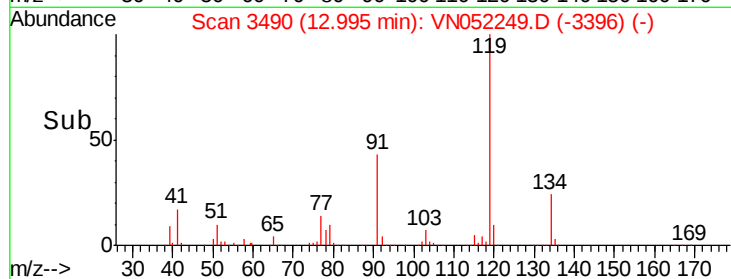
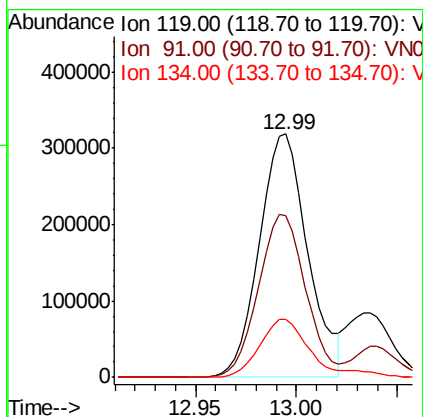
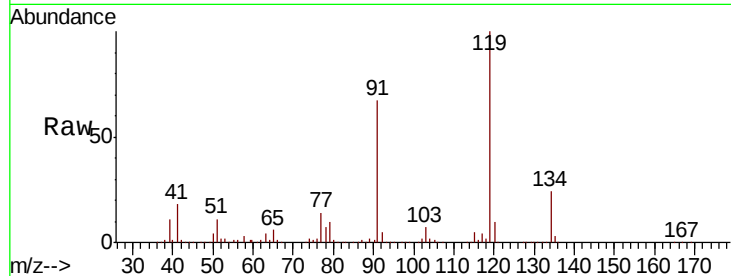
#83
tert-Butylbenzene
Concen: 47.831 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.5	100.4
134	25.4	13.0	38.9

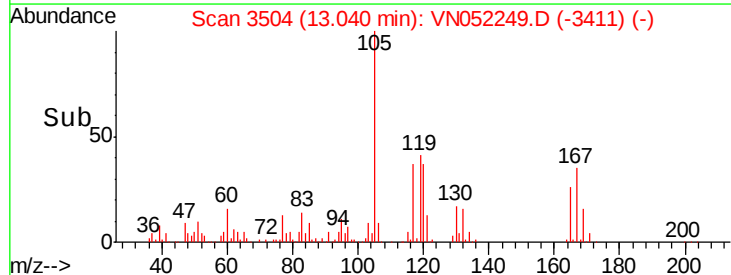
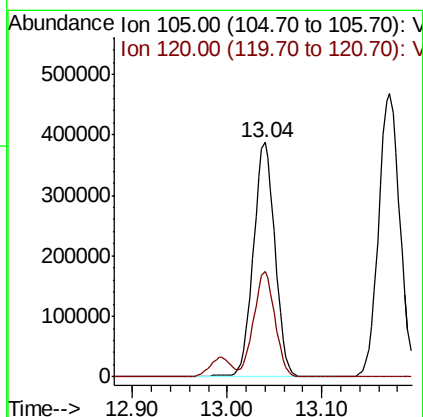
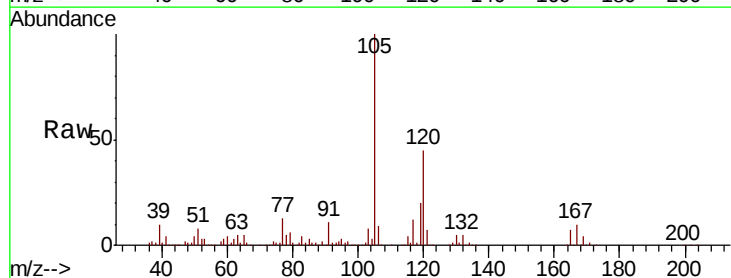
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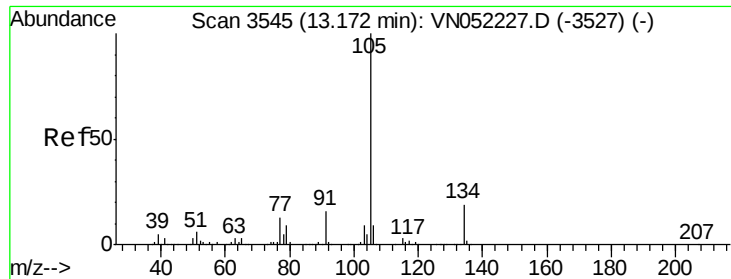
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#84
1,2,4-Trimethylbenzene
Concen: 47.709 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.7	68.1





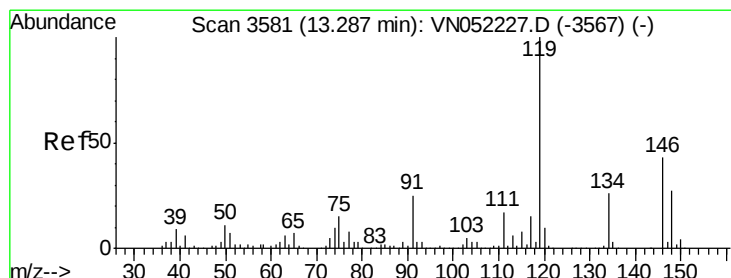
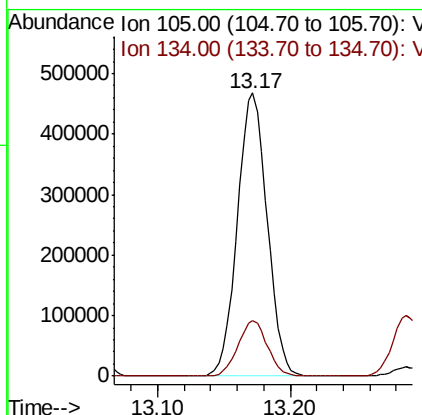
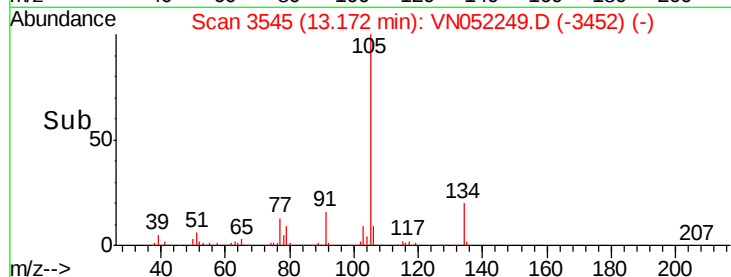
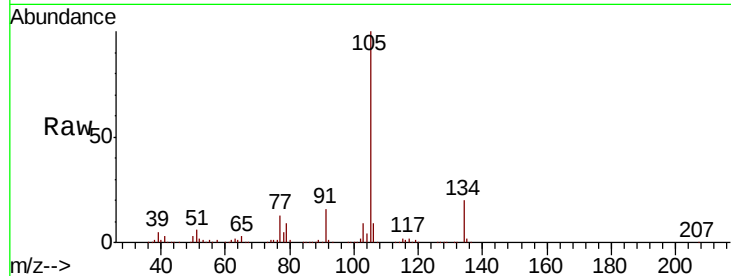
#85
 sec-Butylbenzene
 Concen: 47.648 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9

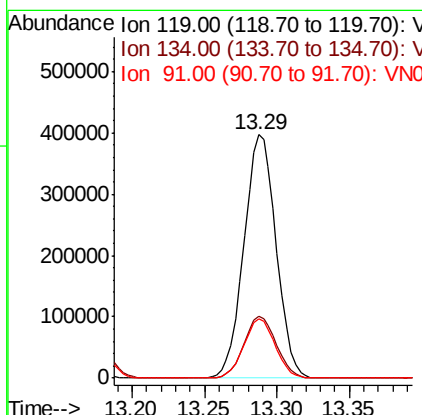
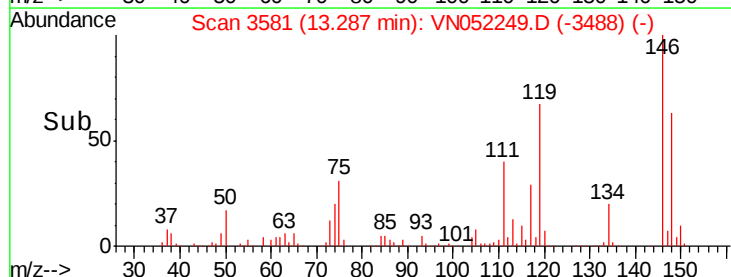
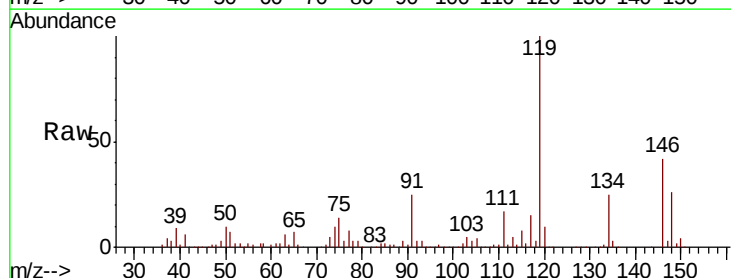
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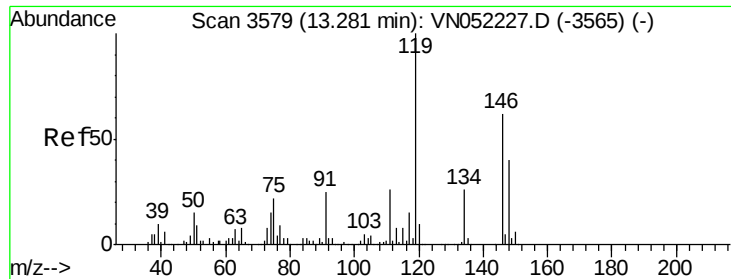
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 11/12/2018 9:19:10 AM



#86
 p-Isopropyltoluene
 Concen: 47.638 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.2	39.6
91	24.1	12.4	37.0





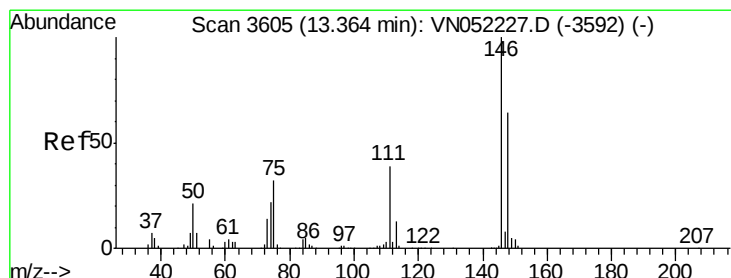
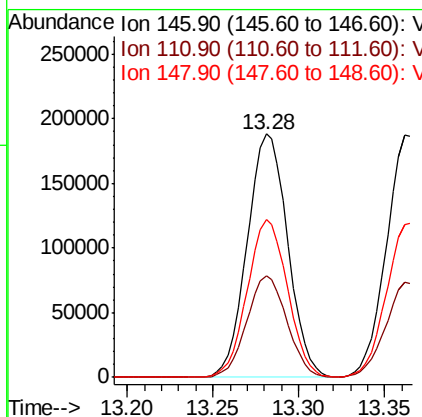
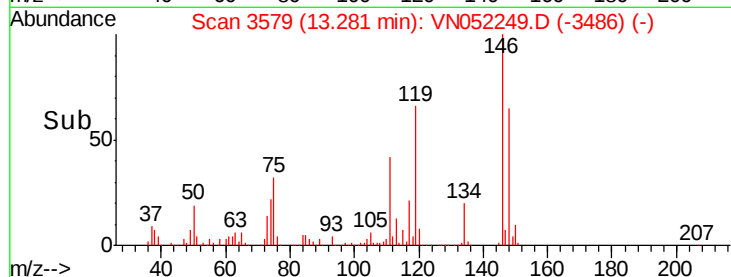
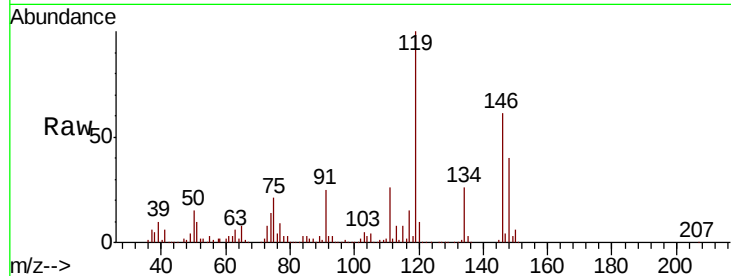
#87
 1,3-Dichlorobenzene
 Concen: 46.987 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	307690		
111	41.3	20.1	60.3	
148	64.3	31.6	94.7	

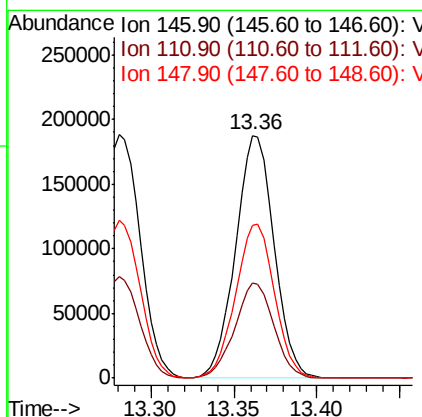
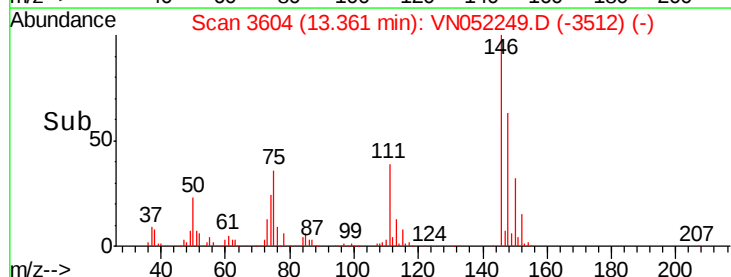
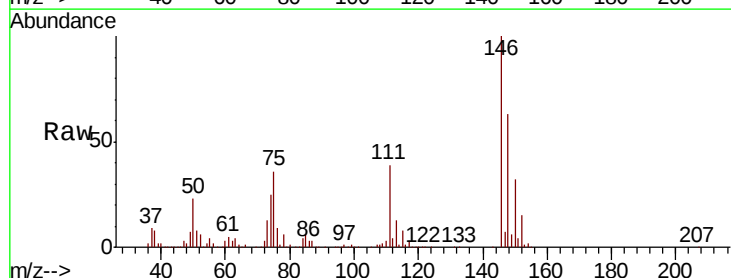
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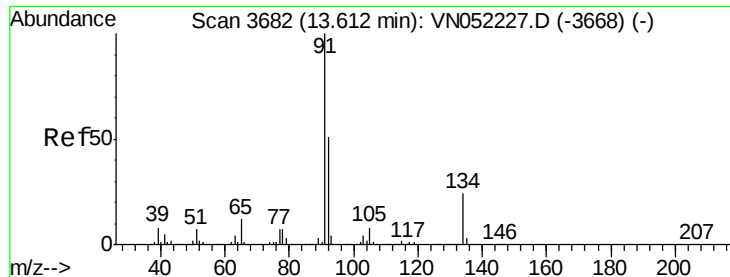
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#88
 1,4-Dichlorobenzene
 Concen: 46.242 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	303146		
111	39.8	20.2	60.6	
148	63.9	32.1	96.3	





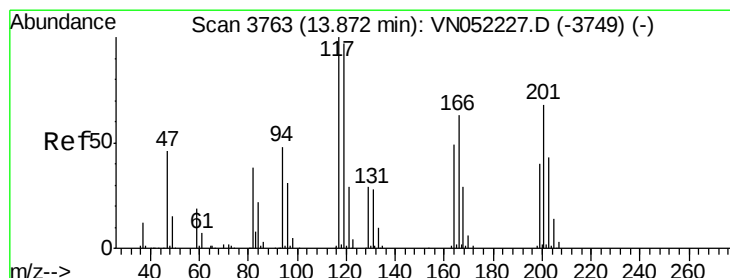
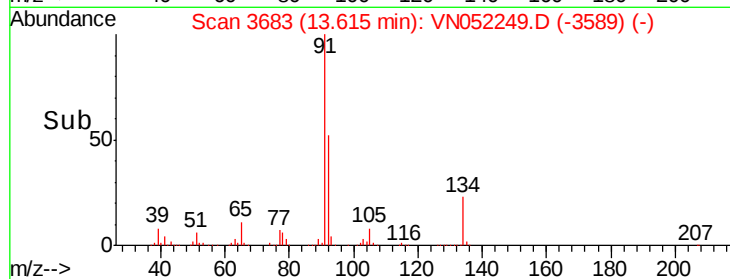
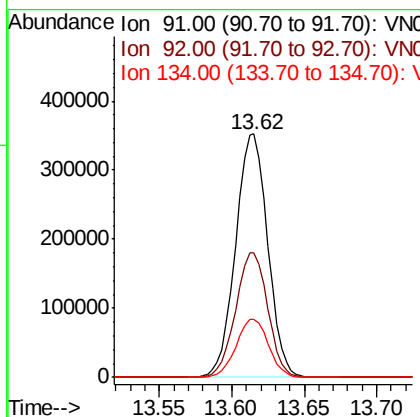
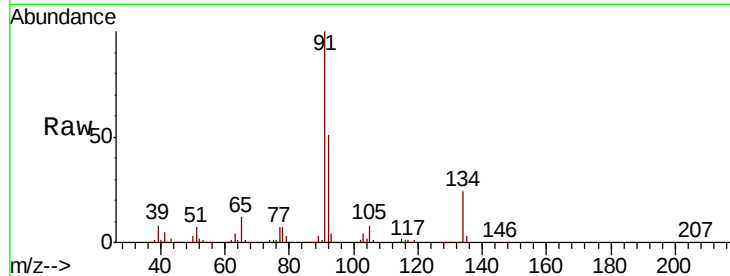
#89
n-Butylbenzene
Concen: 47.394 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.1	75.3
134	24.2	12.0	36.1

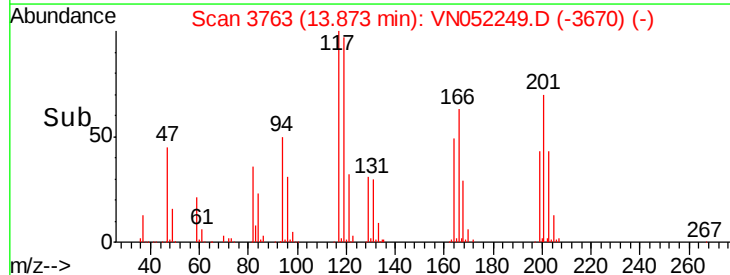
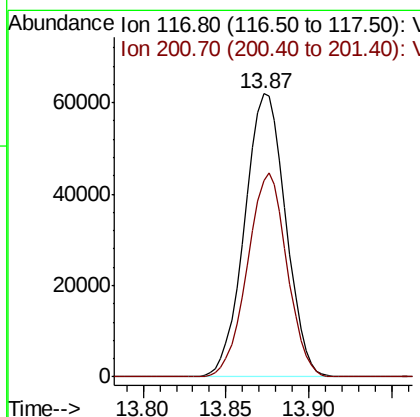
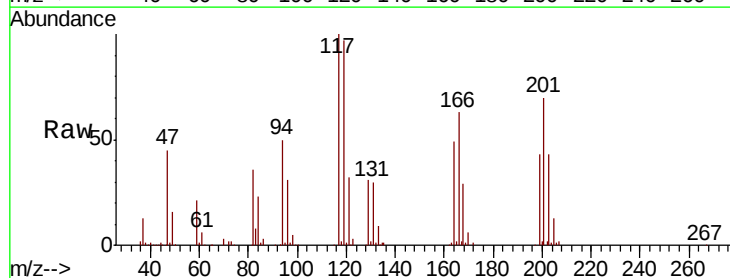
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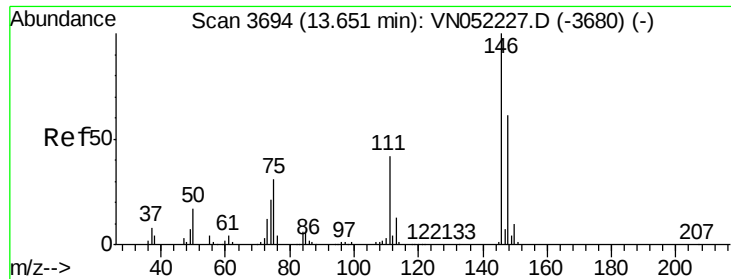
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#90
Hexachloroethane
Concen: 47.519 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	34.6	103.9





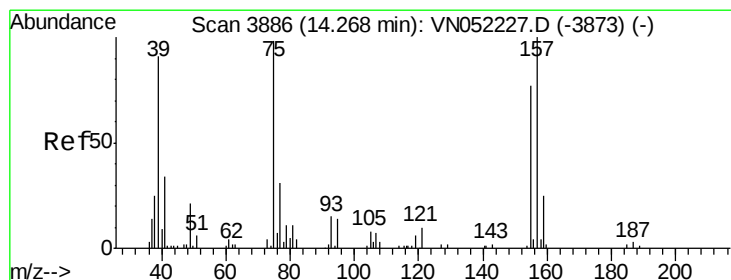
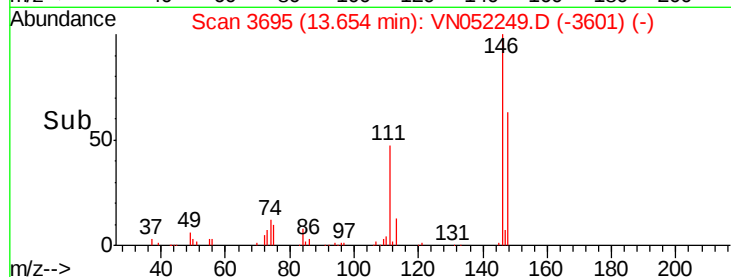
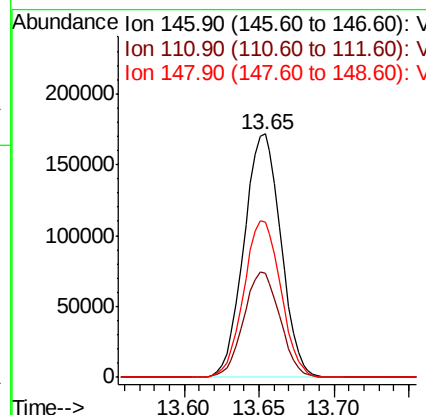
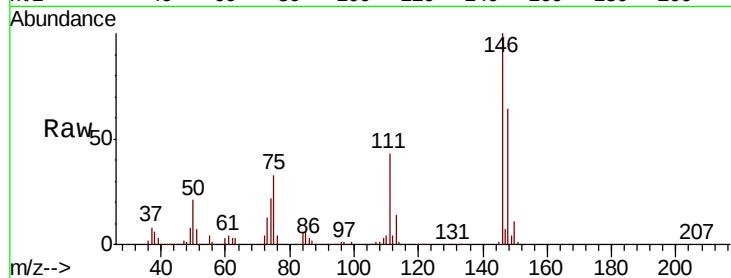
#91
 1,2-Dichlorobenzene
 Concen: 46.108 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.3
148	64.4	31.3	93.8

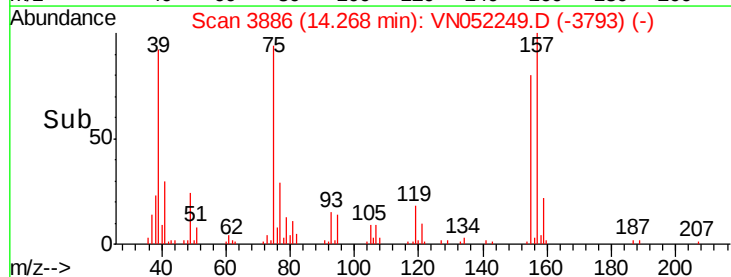
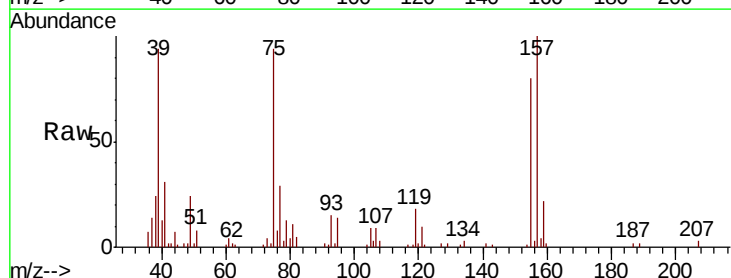
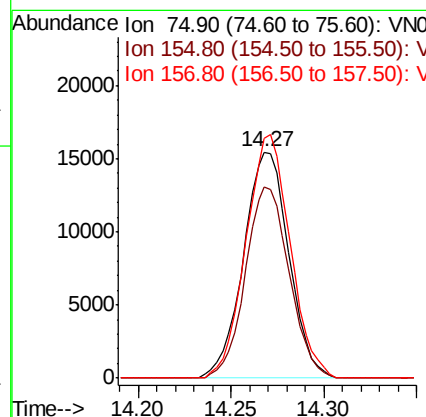
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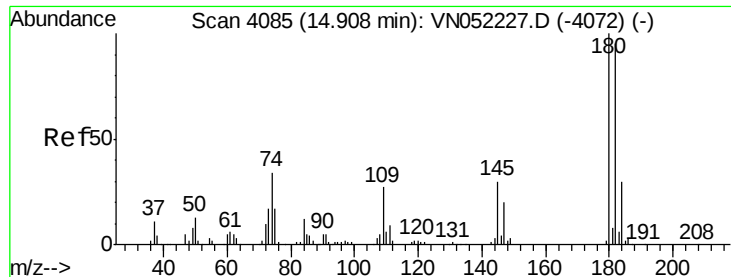
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.855 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052249.D
 Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	40.2	120.5
157	104.8	51.7	155.2





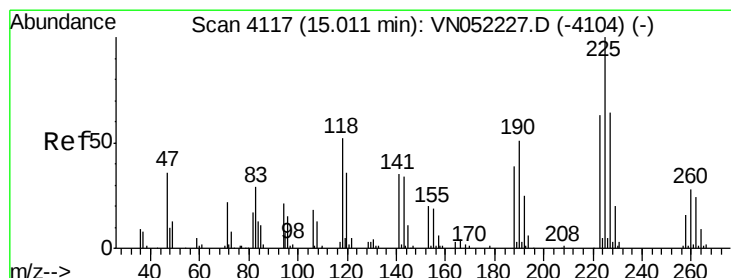
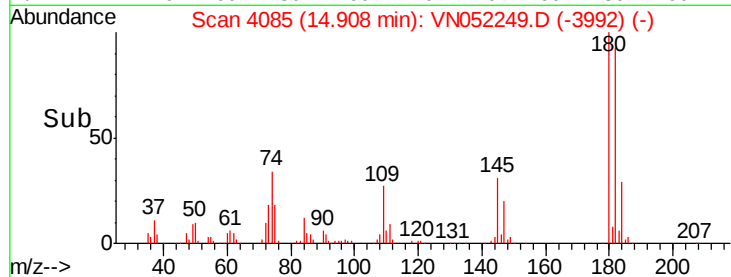
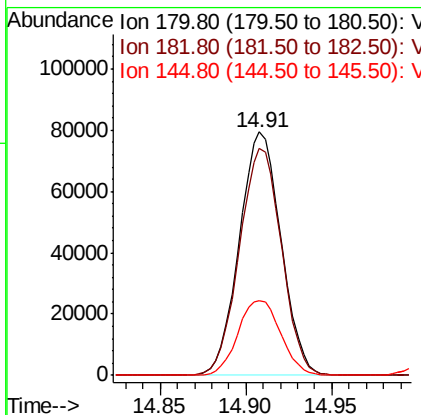
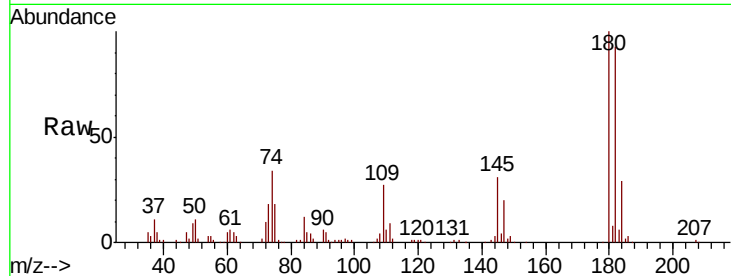
#93
1,2,4-Trichlorobenzene
Concen: 52.649 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	142.0
145	31.7	15.6	46.8

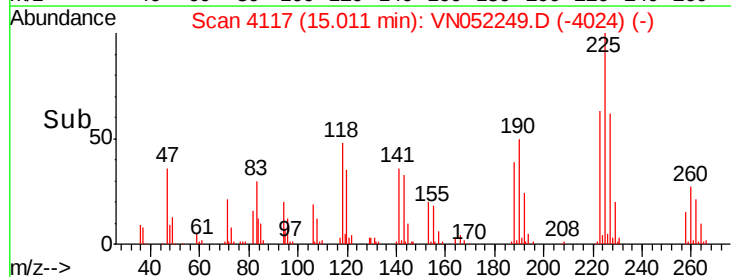
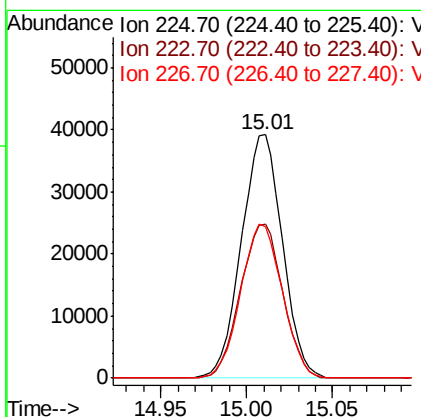
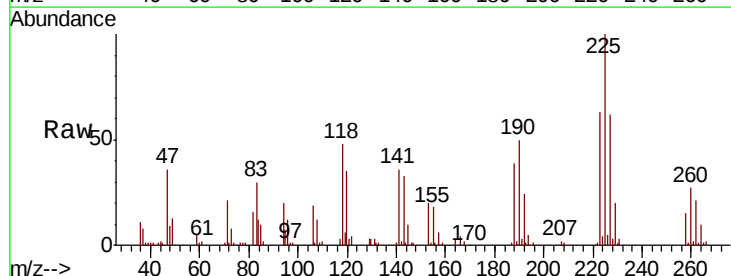
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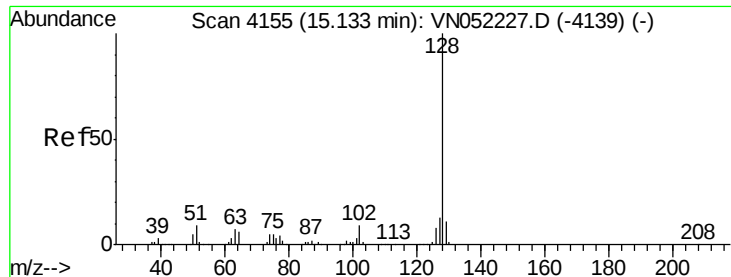
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#94
Hexachlorobutadiene
Concen: 47.387 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	32.1	96.3
227	64.1	31.8	95.4





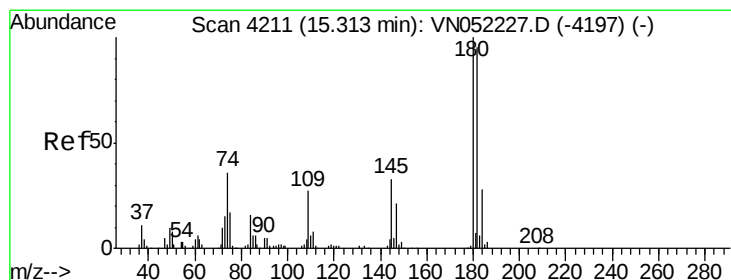
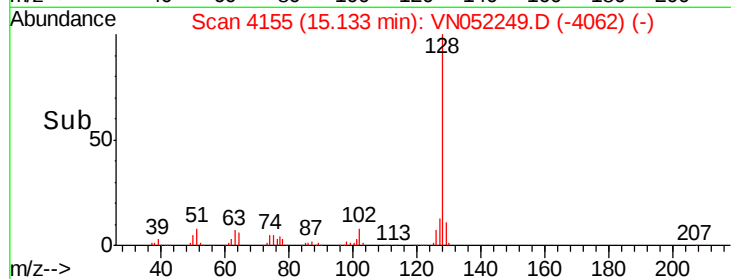
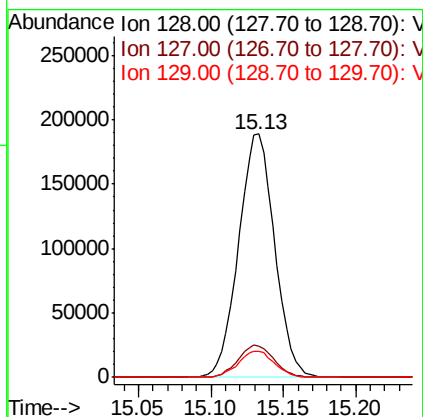
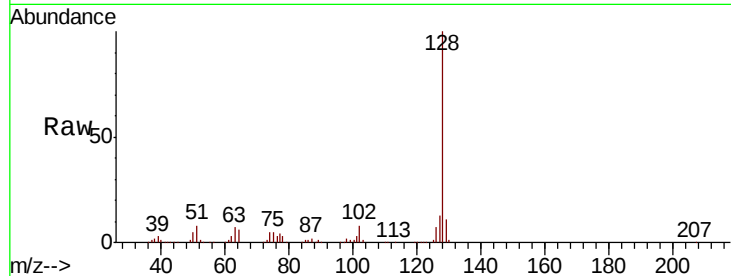
#95
Naphthalene
Concen: 52.425 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	326519		
127	13.3		10.6	16.0
129	10.8		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.473 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052249.D
Acq: 10 Nov 2018 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	120592		
182	96.4		47.7	143.1
145	32.4		16.8	50.3

