

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052230.D
 Acq On : 9 Nov 2018 16:28
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:55 AM

Quant Time: Nov 12 03:31:25 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	7.66	168	294335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	483119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	433202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	195499	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	7.59	113	158116	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.09	98	624008	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.40	95	209979	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	170135	53.169	ug/l	97
3) Chloromethane	2.06	50	225504	50.476	ug/l	97
4) Vinyl Chloride	2.19	62	182573	49.050	ug/l	99
5) Bromomethane	2.55	94	110512	46.795	ug/l	96
6) Chloroethane	2.69	64	102937	46.570	ug/l	97
7) Trichlorofluoromethane	3.01	101	245275	47.337	ug/l	99
8) Diethyl Ether	3.41	74	96369	47.276	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161073	48.453	ug/l	99
10) Methyl Iodide	3.95	142	210637	48.835	ug/l	98
11) Tert butyl alcohol	4.78	59	35882	173.901	ug/l #	71
12) 1,1-Dichloroethene	3.73	96	146516	47.615	ug/l	99
13) Acrolein	3.60	56	78620	246.139	ug/l	93
14) Allyl chloride	4.32	41	298902	46.396	ug/l	96
15) Acrylonitrile	4.99	53	297914	234.915	ug/l	99
16) Acetone	3.82	43	228736	226.046	ug/l	100
17) Carbon Disulfide	4.05	76	436213	48.869	ug/l	99
18) Methyl Acetate	4.32	43	149172	44.350	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	426996	48.570	ug/l	98
20) Methylene Chloride	4.55	84	171612	46.766	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	153988	46.045	ug/l	92
22) Diisopropyl ether	5.95	45	615450	47.655	ug/l	99
23) Vinyl Acetate	5.89	43	2163002	244.083	ug/l	99
24) 1,1-Dichloroethane	5.85	63	318460	46.686	ug/l	99
25) 2-Butanone	6.83	43	360449	209.910	ug/l	99
26) 2,2-Dichloropropane	6.82	77	241946	48.563	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	181847	48.577	ug/l	99
28) Bromochloromethane	7.19	49	162451	48.197	ug/l	100
29) Tetrahydrofuran	7.21	42	240108	214.852	ug/l	99
30) Chloroform	7.37	83	301523	46.707	ug/l	99
31) Cyclohexane	7.65	56	313376	49.661	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	250975	47.696	ug/l	100
36) 1,1-Dichloropropene	7.79	75	240568	49.334	ug/l	99
37) Ethyl Acetate	6.93	43	166042	45.272	ug/l	99
38) Carbon Tetrachloride	7.78	117	219598	49.693	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	295052	53.048	ug/l	99
40) Benzene	8.04	78	693450	49.668	ug/l	99
41) Methacrylonitrile	7.17	41	109084	51.185	ug/l	90
42) 1,2-Dichloroethane	8.12	62	232573	47.478	ug/l	100
43) Isopropyl Acetate	8.16	43	308532	48.262	ug/l #	88
44) Trichloroethene	8.83	130	170590	48.759	ug/l	100
45) 1,2-Dichloropropane	9.12	63	193417	49.589	ug/l	100
46) Dibromomethane	9.21	93	109176	48.730	ug/l	100
47) Bromodichloromethane	9.40	83	226059	48.700	ug/l	98
48) Methyl methacrylate	9.20	41	160580	47.672	ug/l	99
49) 1,4-Dioxane	9.20	88	19478	719.331	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	833843	236.183	ug/l	99
52) Toluene	10.15	92	421154	50.006	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	238059	51.971	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	280726	51.916	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	146625	48.167	ug/l	98
56) Ethyl methacrylate	10.43	69	207446	50.423	ug/l	98
57) 1,3-Dichloropropane	10.71	76	264592	48.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	589341	258.704	ug/l	99
59) 2-Hexanone	10.75	43	576669	232.677	ug/l	99
60) Dibromochloromethane	10.90	129	159116	51.532	ug/l	98
61) 1,2-Dibromoethane	11.00	107	147217	49.208	ug/l	100
64) Tetrachloroethene	10.63	164	150542	49.634	ug/l	98
65) Chlorobenzene	11.43	112	459244	50.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	157728	50.727	ug/l	98
67) Ethyl Benzene	11.51	91	819100	50.732	ug/l	100
68) m/p-Xylenes	11.62	106	616058	102.457	ug/l	98
69) o-Xylene	11.95	106	296649	51.640	ug/l	99
70) Styrene	11.96	104	480739	51.798	ug/l	99
71) Bromoform	12.13	173	94922	51.173	ug/l #	99
73) Isopropylbenzene	12.25	105	805812	49.497	ug/l	100
74) N-amyl acetate	12.07	43	291607	49.338	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	179193	44.898	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	161362m	45.795	ug/l	
77) Bromobenzene	12.53	156	186325	48.894	ug/l	98
78) n-propylbenzene	12.59	91	969589	50.851	ug/l	100
79) 2-Chlorotoluene	12.67	91	542337	49.098	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	659347	50.926	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53095	51.436	ug/l	98
82) 4-Chlorotoluene	12.77	91	558844	50.421	ug/l	98
83) tert-Butylbenzene	12.99	119	572684	50.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	671710	51.455	ug/l	99
85) sec-Butylbenzene	13.17	105	806050	52.000	ug/l	99
86) p-Isopropyltoluene	13.29	119	680737	52.494	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	335682	50.601	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	333692	50.245	ug/l	100
89) n-Butylbenzene	13.61	91	619871	53.681	ug/l	98
90) Hexachloroethane	13.87	117	113050	49.668	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	318687	49.224	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25969	45.768	ug/l	97

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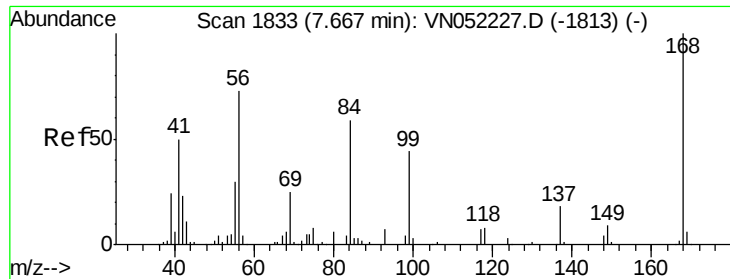
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	147591	57.651	ug/l	99
94) Hexachlorobutadiene	15.01	225	82573	59.357	ug/l	98
95) Naphthalene	15.13	128	336365	53.310	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129749	53.605	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

Tot Ion:168 Resp: 294335

Ion Ratio Lower Upper

168 100

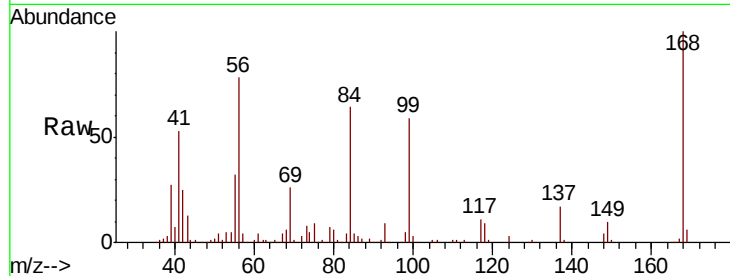
99 58.3 44.7 67.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

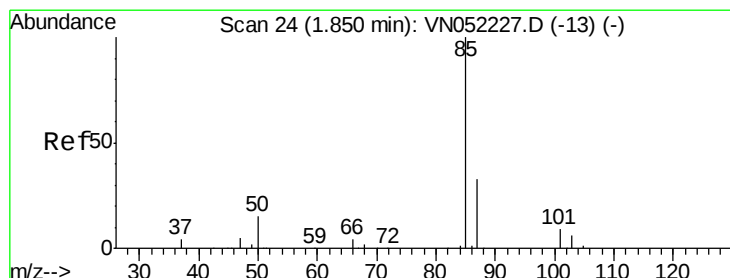
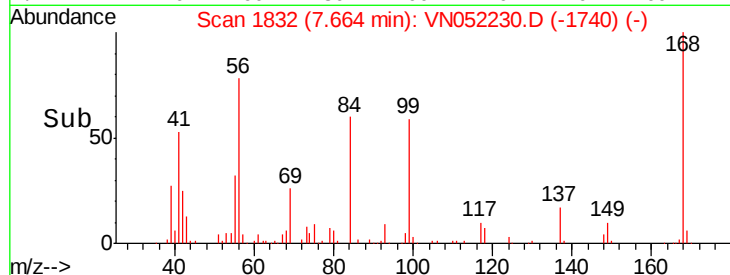
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.169 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052230.D

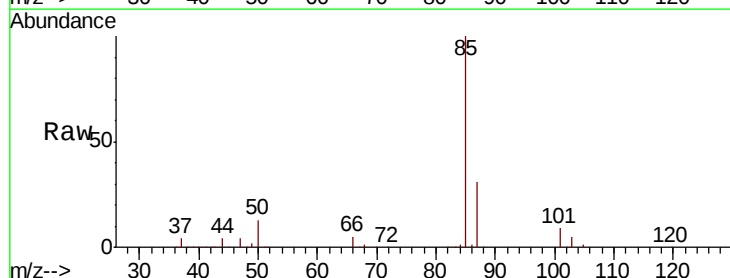
Acq: 9 Nov 2018 16:28

Tgt Ion: 85 Resp: 170135

Ion Ratio Lower Upper

85 100

87 31.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

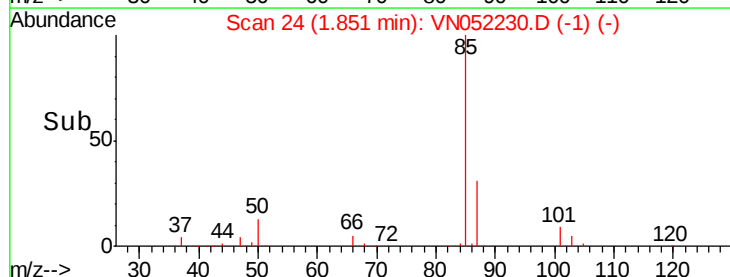
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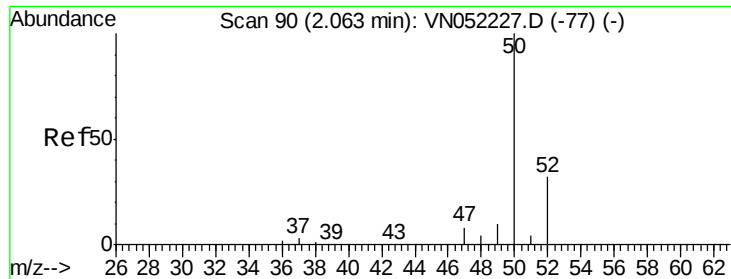
40000

20000

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Time-->





#3

Chloromethane

Concen: 50.476 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

Tot Ion: 50 Resp: 225504

Ion Ratio Lower Upper

50 100

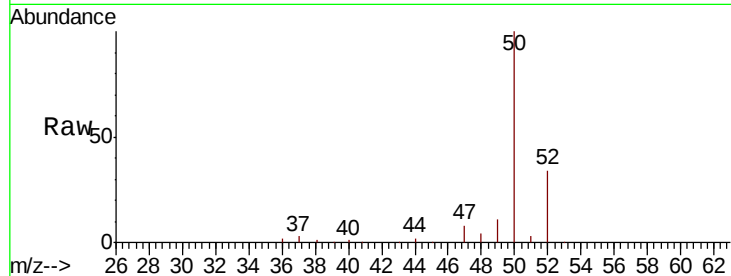
52 33.6 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

150000

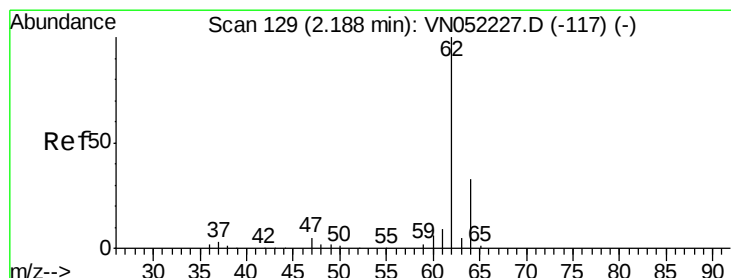
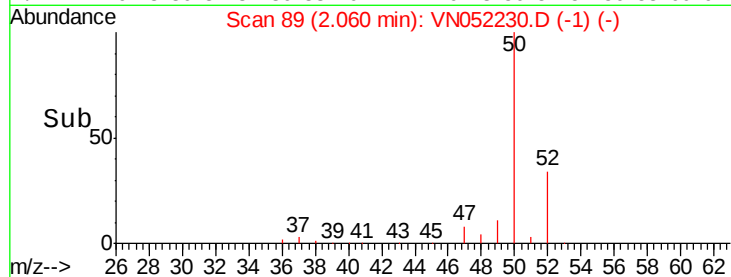
100000

50000

0

2.00 2.10

Time-->



#4

Vinyl Chloride

Concen: 49.050 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052230.D

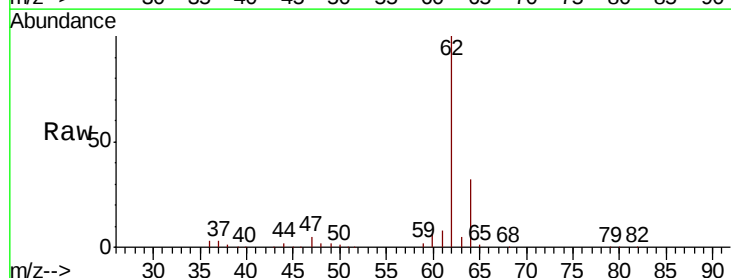
Acq: 9 Nov 2018 16:28

Tgt Ion: 62 Resp: 182573

Ion Ratio Lower Upper

62 100

64 31.9 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

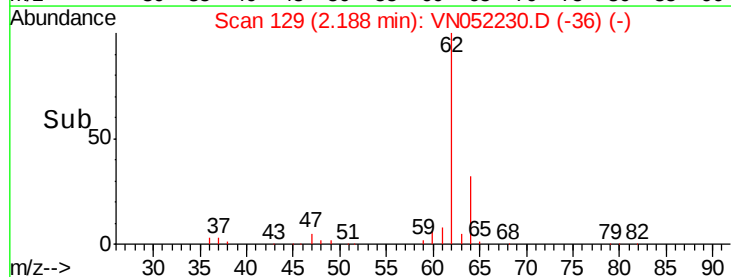
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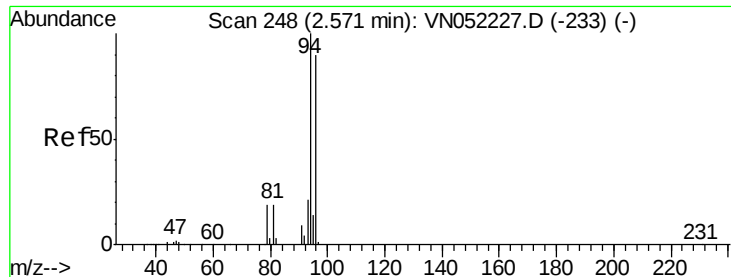
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 46.795 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.03 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

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ClientSampleId :

ICVVN110918

Tot Ion: 94 Resp: 110512

Ion Ratio Lower Upper

94 100

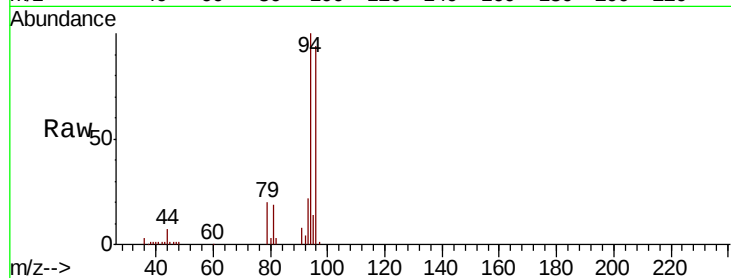
96 93.7 71.8 107.8

Manual Integrations

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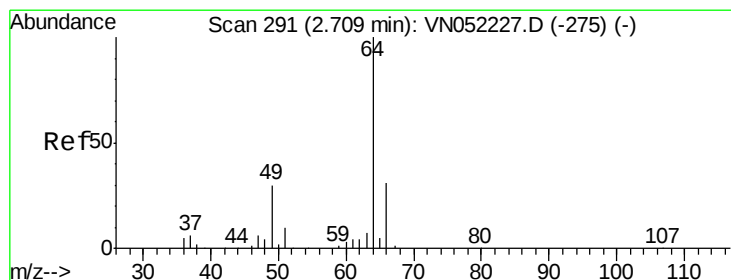
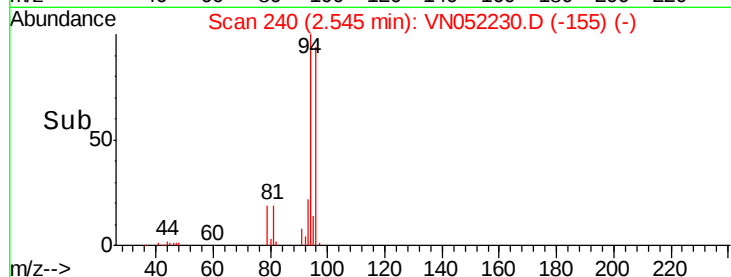
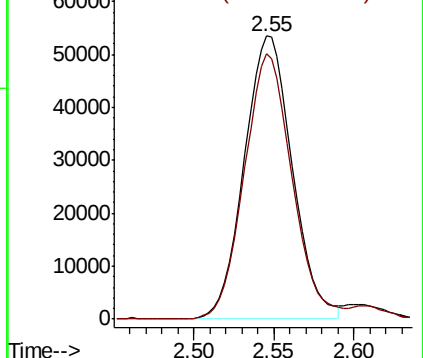
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.570 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.02 min

Lab File: VN052230.D

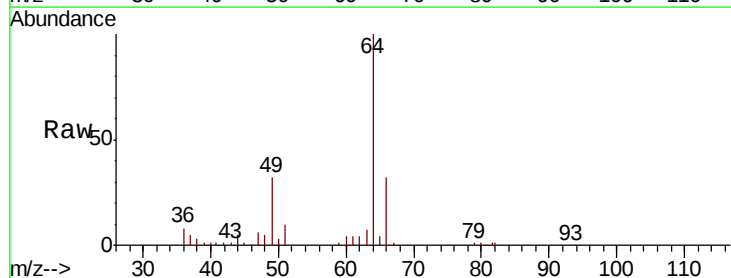
Acq: 9 Nov 2018 16:28

Tgt Ion: 64 Resp: 102937

Ion Ratio Lower Upper

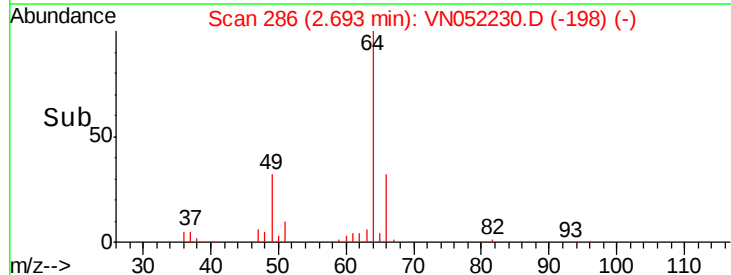
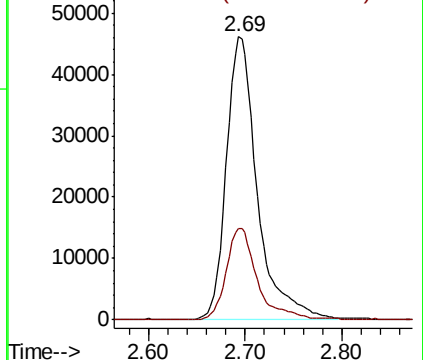
64 100

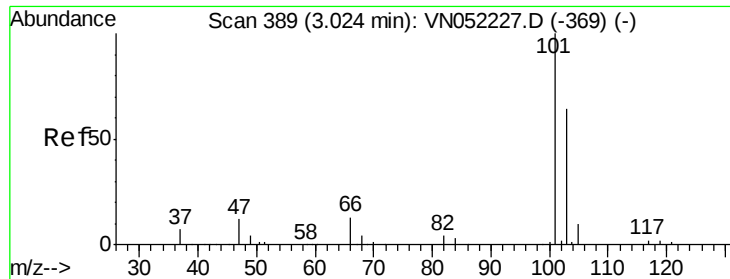
66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

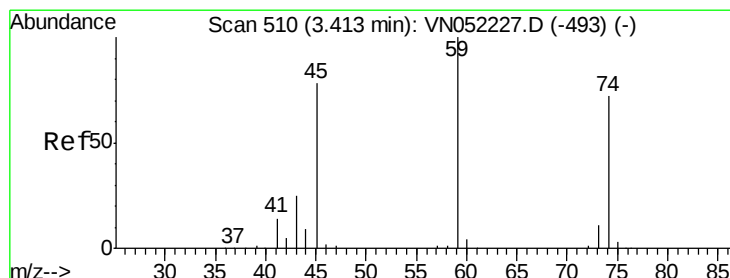
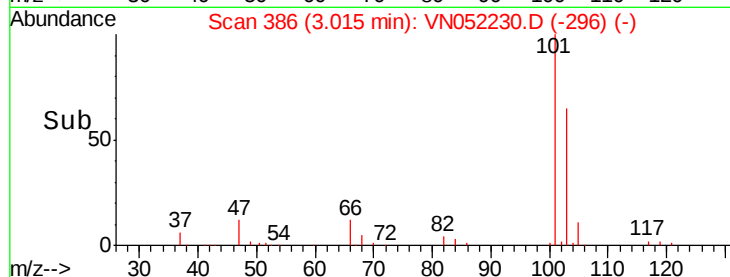
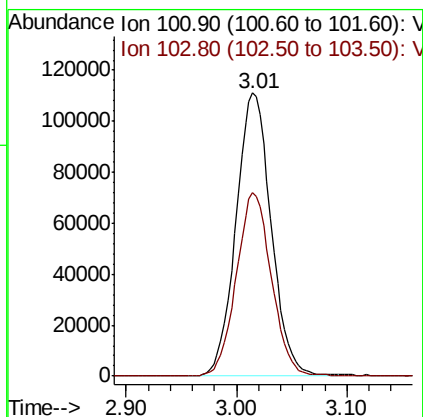
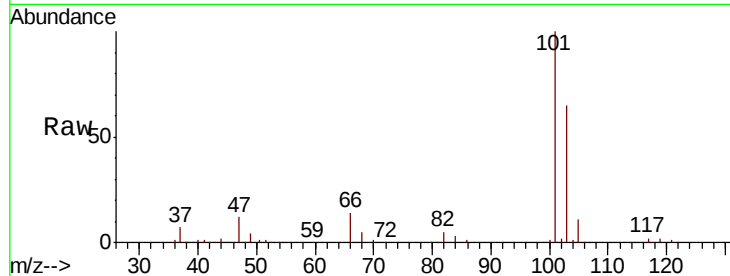
Trichlorofluoromethane
Concen: 47.337 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
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ClientSampleId :
ICVVN110918

Tot Ion:101 Resp: 245275
Ion Ratio Lower Upper
101 100
103 64.6 51.2 76.8

Manual Integrations
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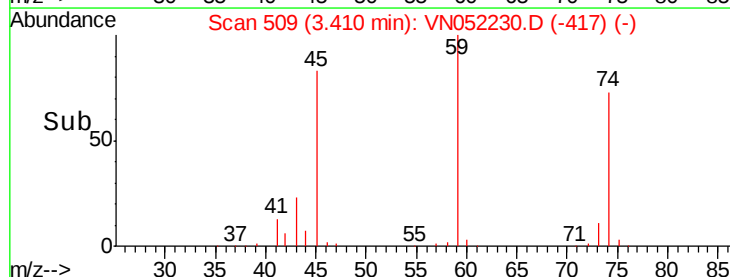
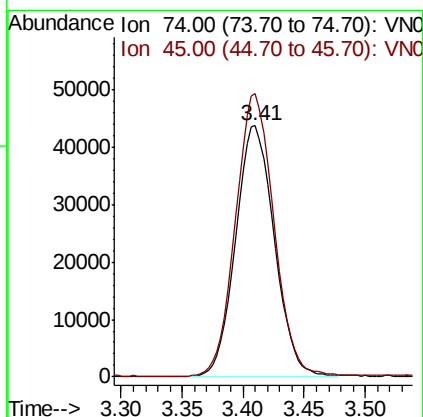
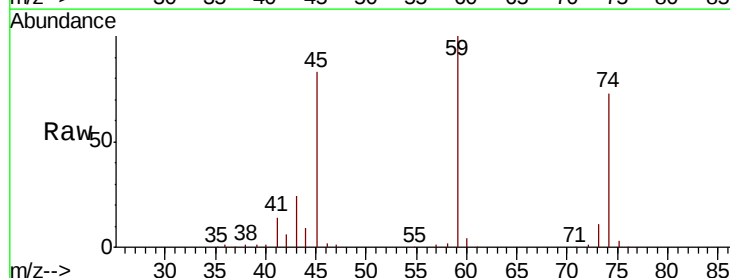
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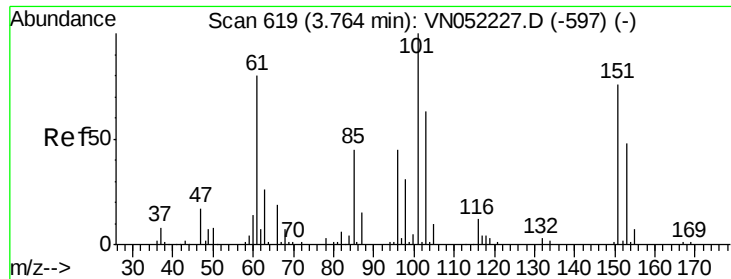


#8

Diethyl Ether
Concen: 47.276 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 74 Resp: 96369
Ion Ratio Lower Upper
74 100
45 112.7 55.5 166.7





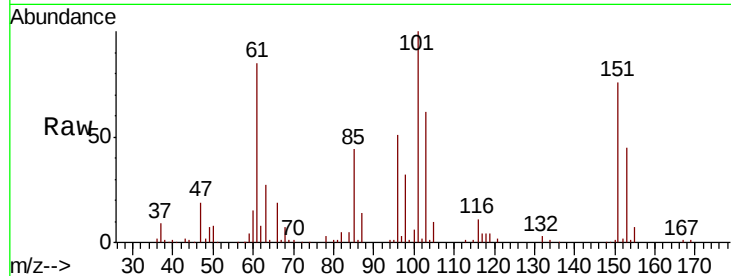
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.453 ug/l
RT: 3.76 min Scan# 617
Delta R.T. -0.01 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.2	54.4
151	75.6	59.2	88.8

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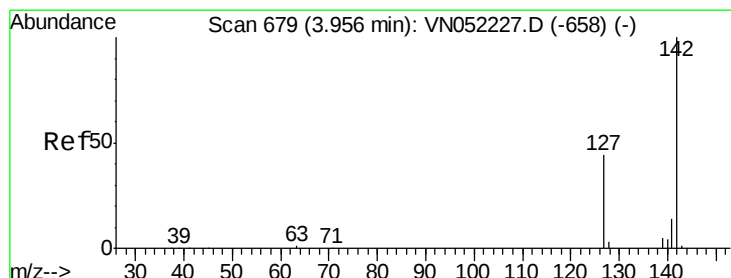
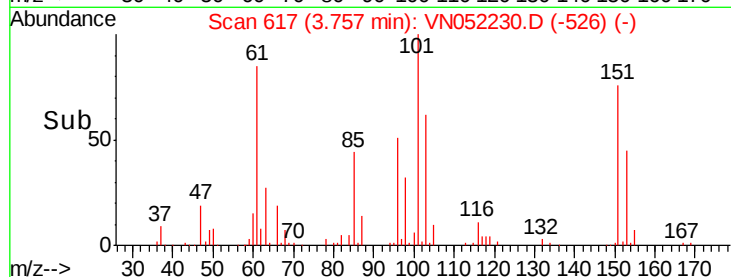
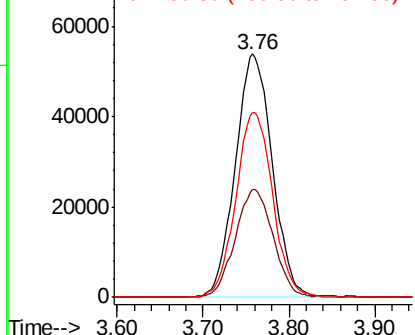


Abundance

Ion 100.90 (100.60 to 101.60): V

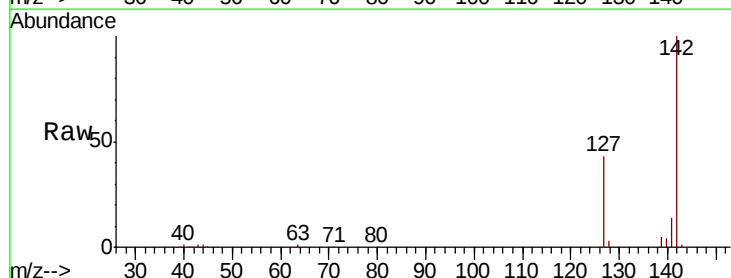
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 48.835 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.9	35.3	52.9
141	14.4	11.8	17.6

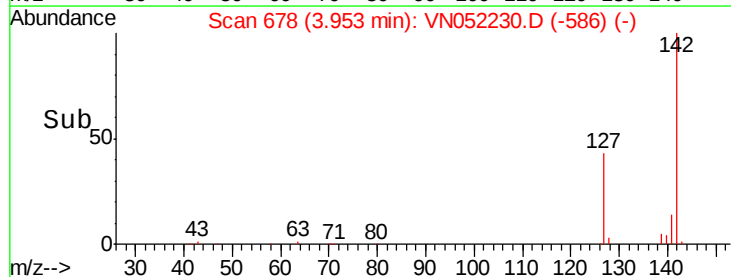
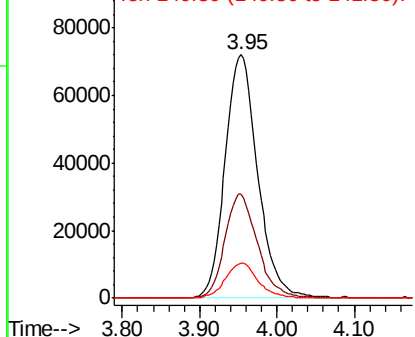


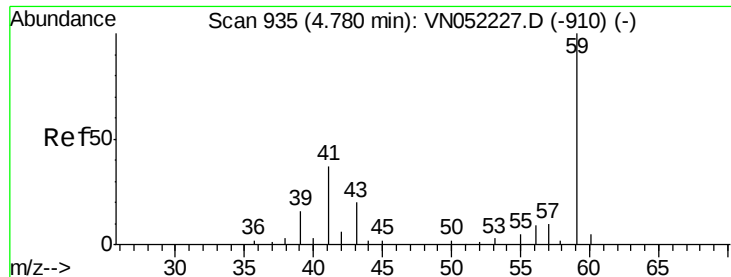
Abundance

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





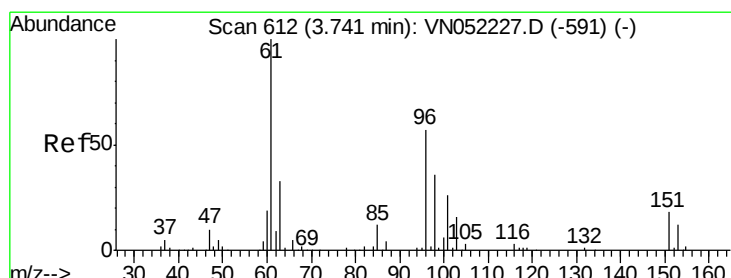
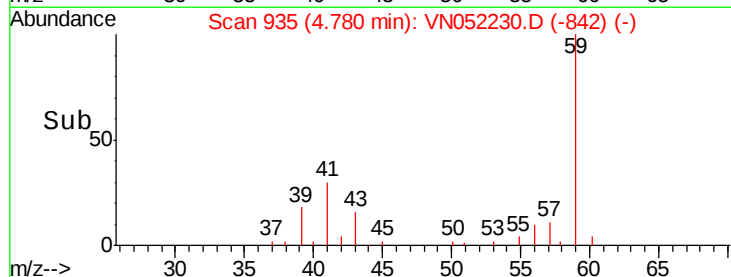
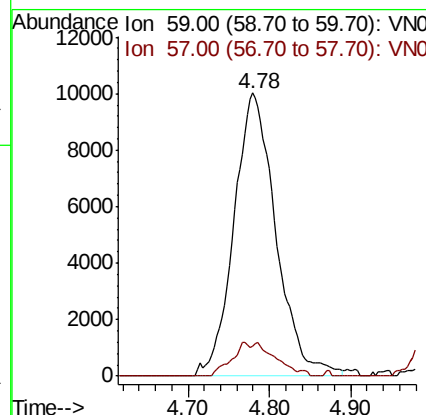
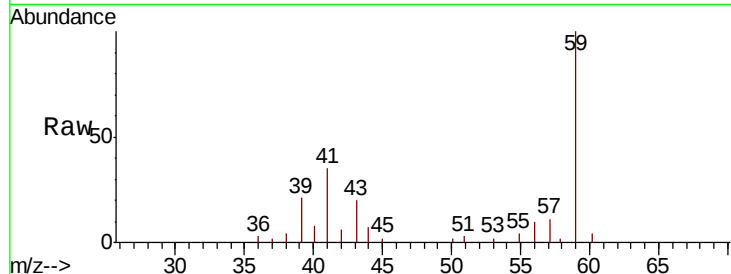
#11
Tert butyl alcohol
Concen: 173.901 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion: 59 Resp: 35882
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

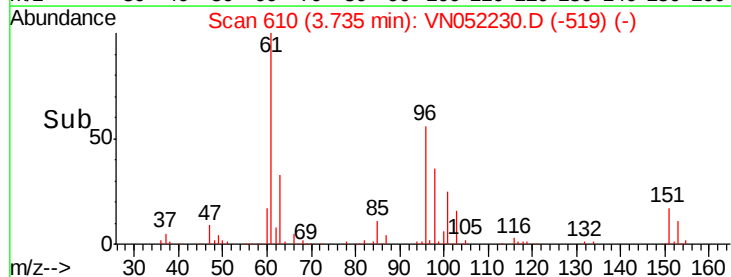
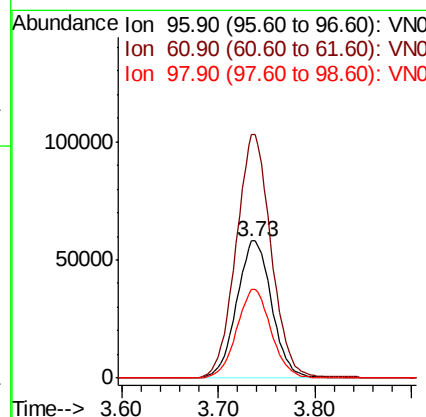
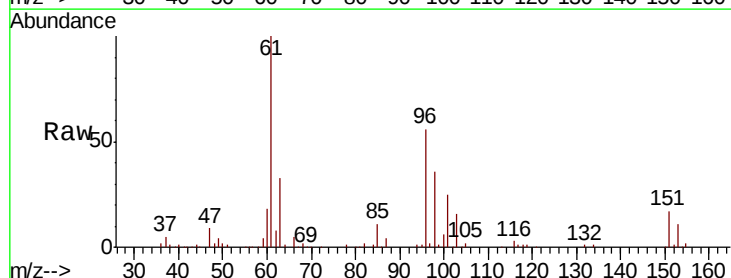
Manual Integrations
APPROVED

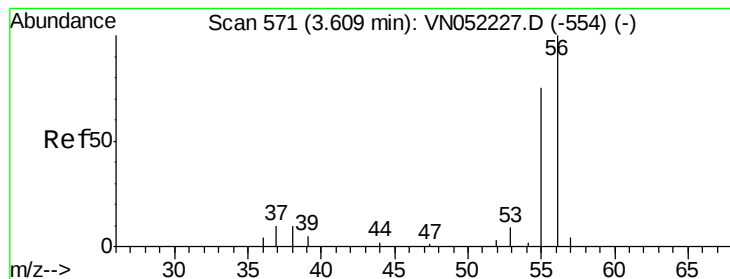
MMDadoda
11/12/2018 9:18:55 AM



#12
1,1-Dichloroethene
Concen: 47.615 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.01 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 96 Resp: 146516
Ion Ratio Lower Upper
96 100
61 177.2 141.1 211.7
98 64.5 50.3 75.5





#13

Acrolein

Concen: 246.139 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

Tot Ion: 56 Resp: 78620

Ion Ratio Lower Upper

56 100

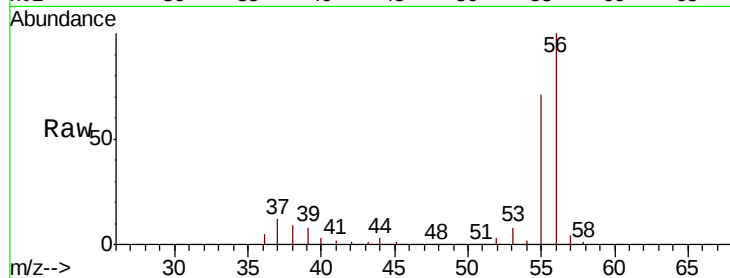
55 68.9 59.9 89.9

Manual Integrations

APPROVED

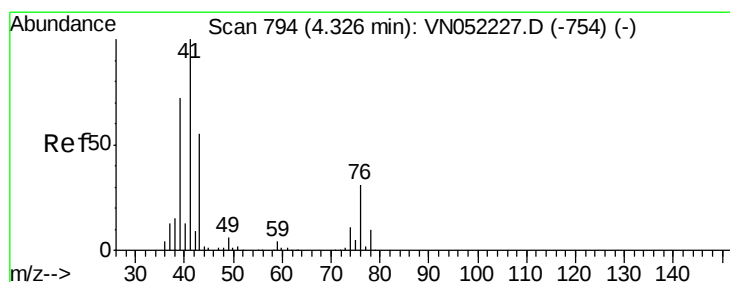
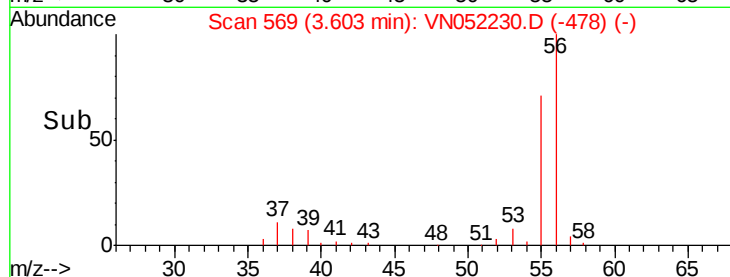
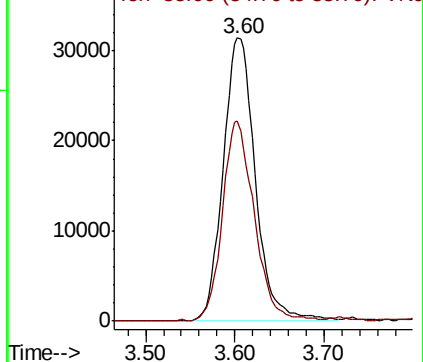
MMDadoda

11/12/2018 9:18:55 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.396 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

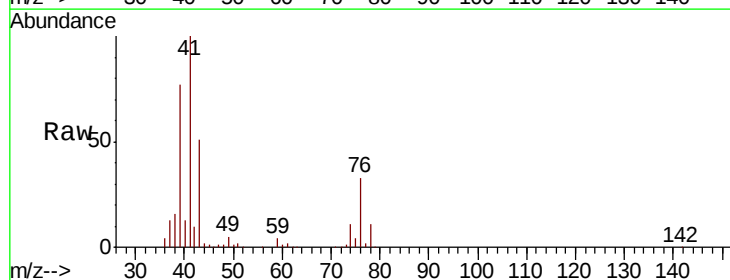
Tgt Ion: 41 Resp: 298902

Ion Ratio Lower Upper

41 100

39 72.6 55.1 82.7

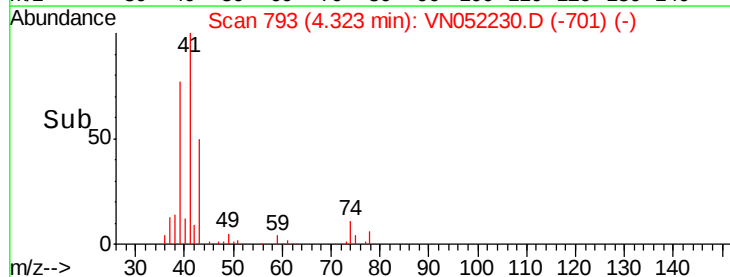
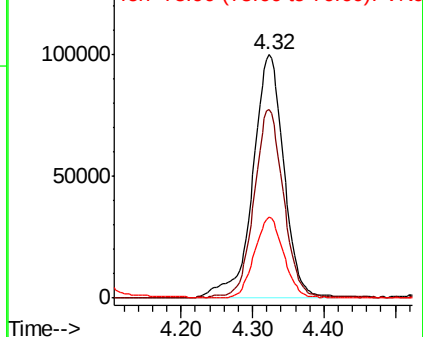
76 30.8 23.6 35.4

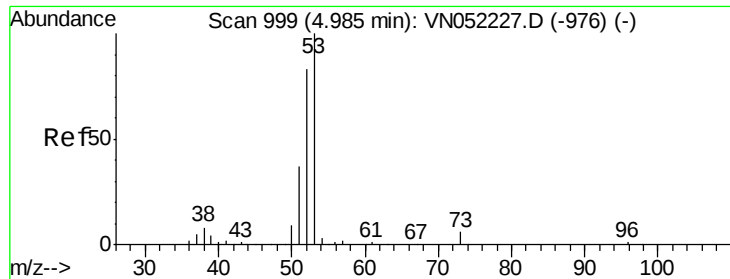


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 234.915 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

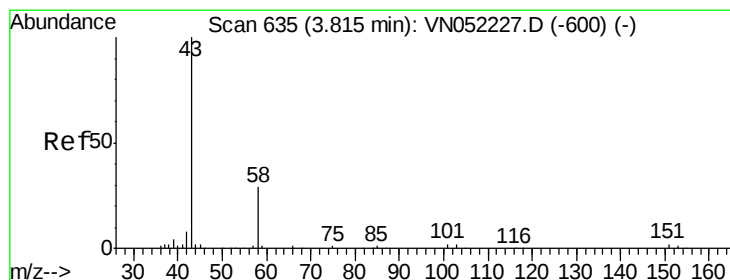
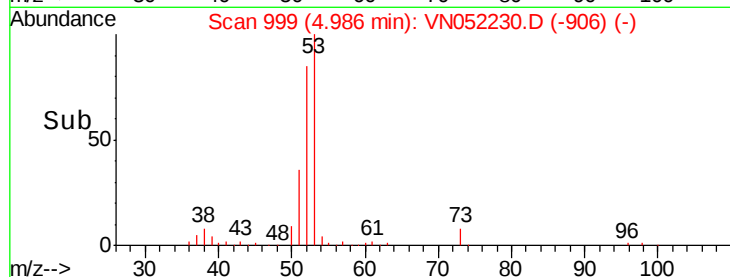
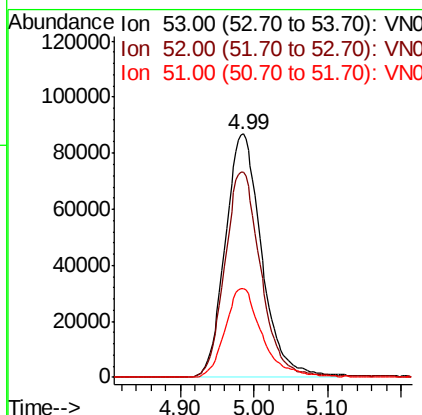
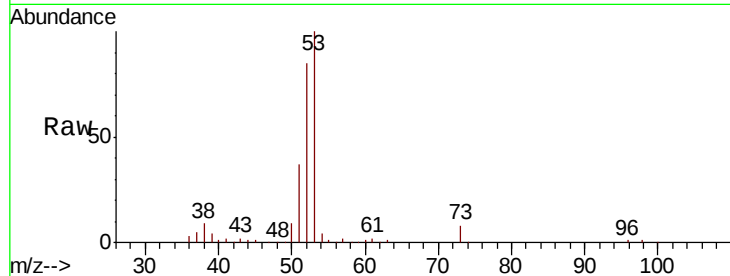
ClientSampleId :

ICVVN110918

Tot Ion:	53	Resp:	297914
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	37.2	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 226.046 ug/l

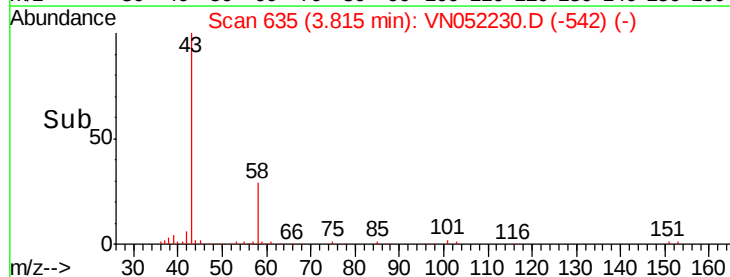
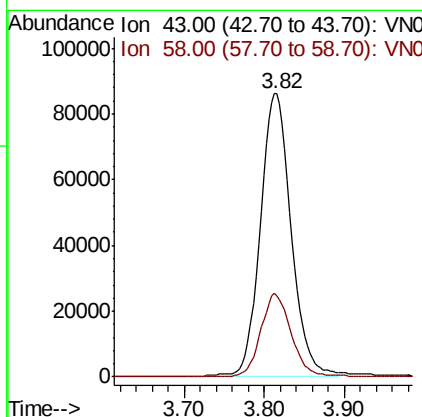
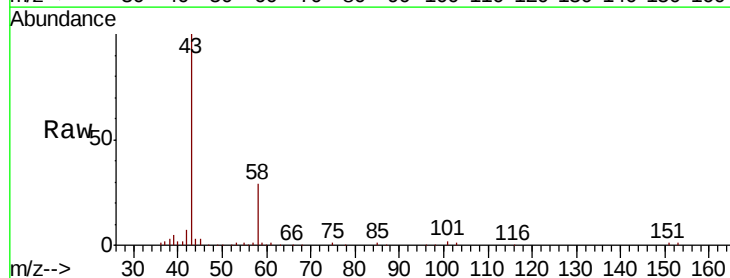
RT: 3.82 min Scan# 635

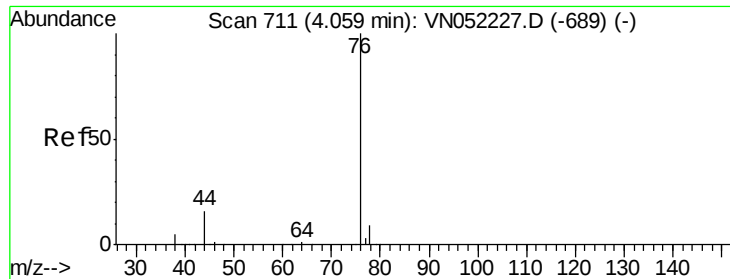
Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Tgt Ion:	43	Resp:	228736
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.0	34.6





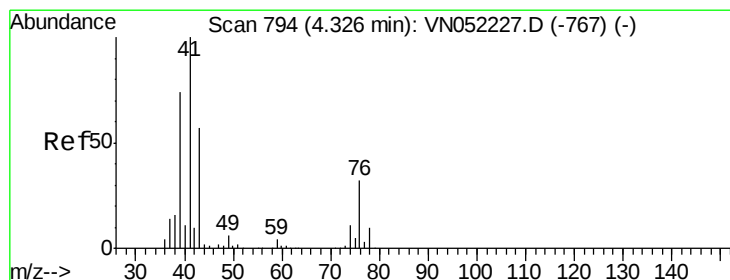
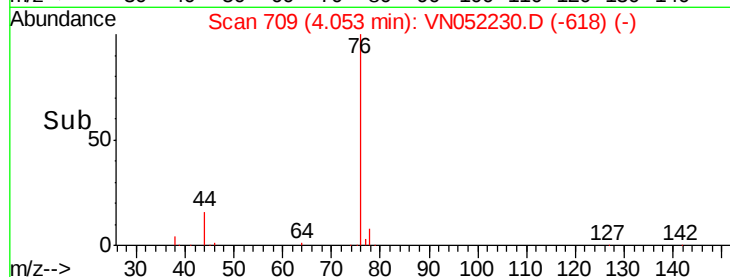
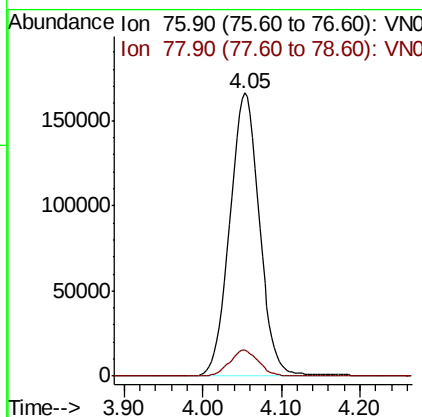
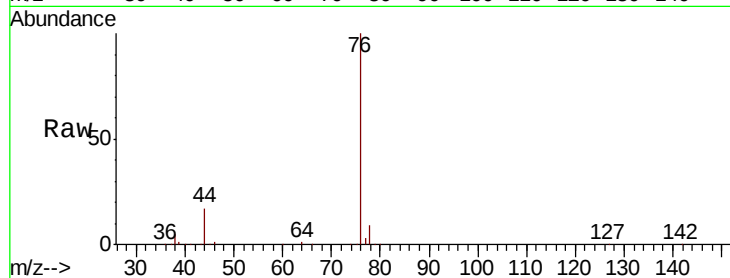
#17
Carbon Disulfide
Concen: 48.869 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.01 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

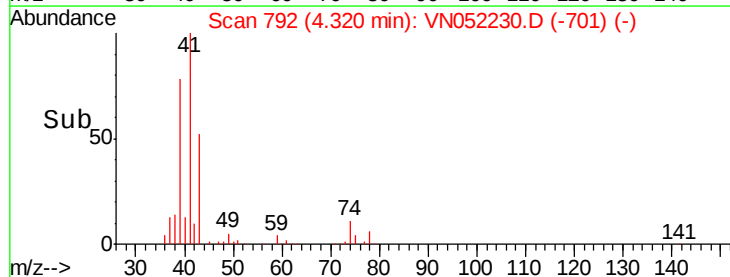
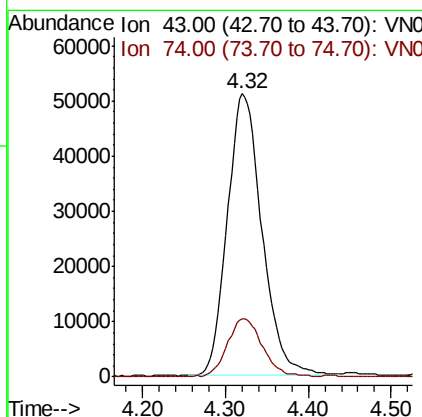
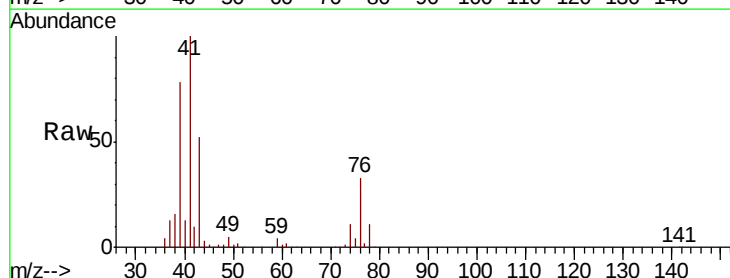
Manual Integrations
APPROVED

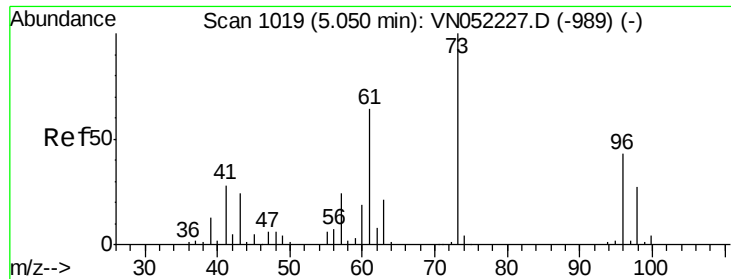
MMDadoda
11/12/2018 9:18:55 AM



#18
Methyl Acetate
Concen: 44.350 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.2	24.2





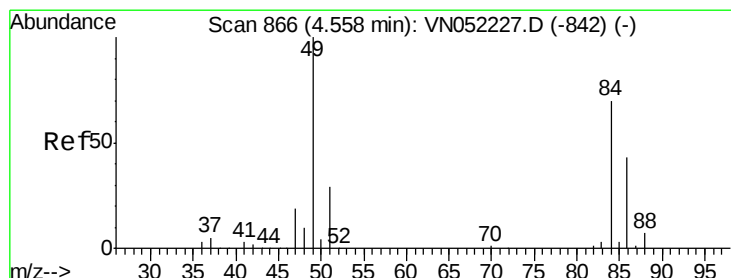
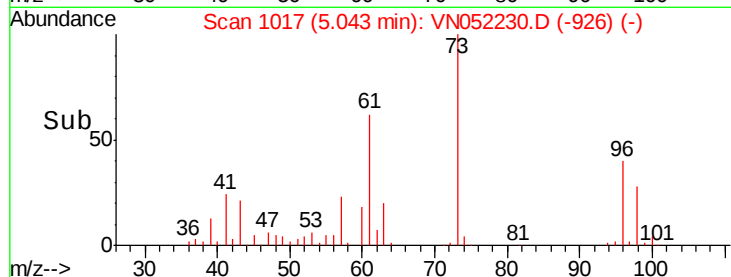
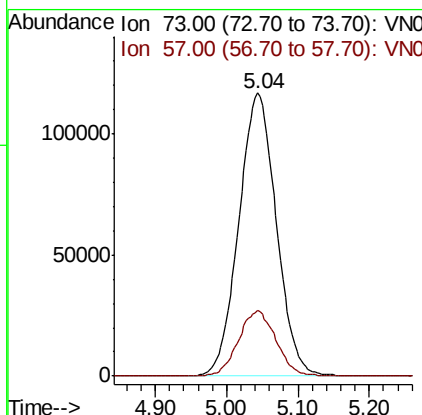
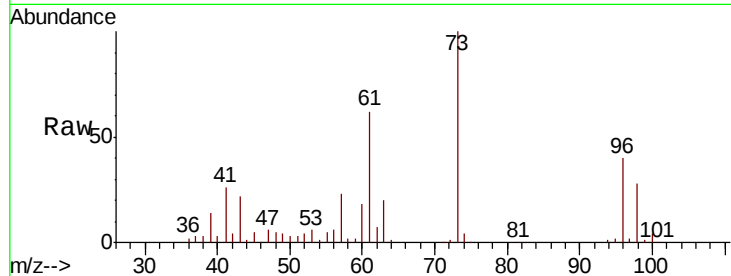
#19
Methvl tert-butvl Ether
Concen: 48.570 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion: 73 Resp: 426996
Ion Ratio Lower Upper
73 100
57 23.0 19.1 28.7

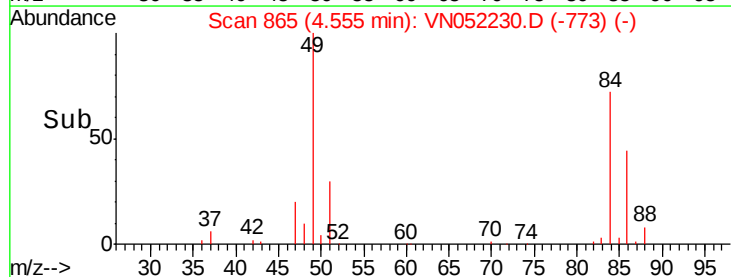
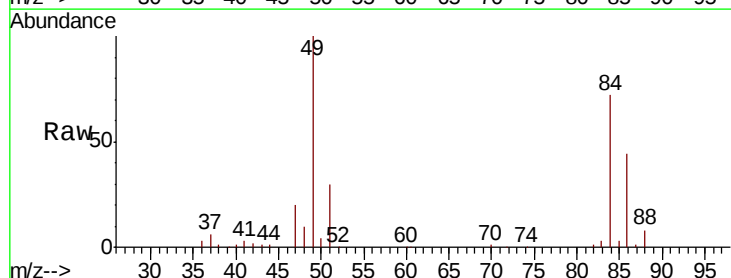
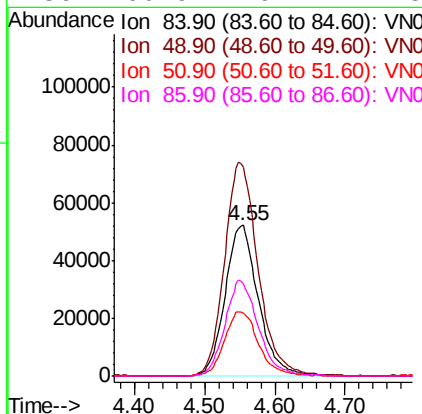
Manual Integrations
APPROVED

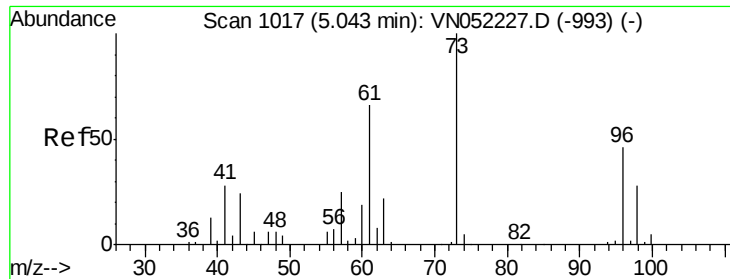
MMDadoda
11/12/2018 9:18:55 AM



#20
Methylene Chloride
Concen: 46.766 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 84 Resp: 171612
Ion Ratio Lower Upper
84 100
49 138.1 114.8 172.2
51 41.6 33.1 49.7
86 60.9 49.7 74.5





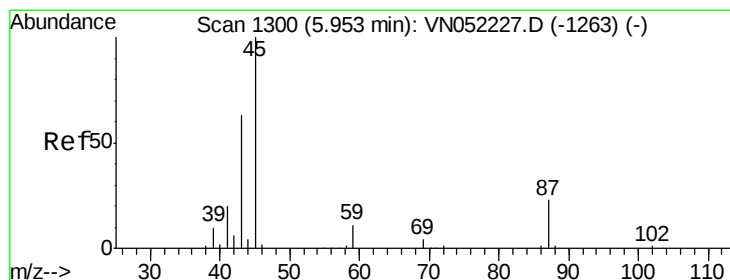
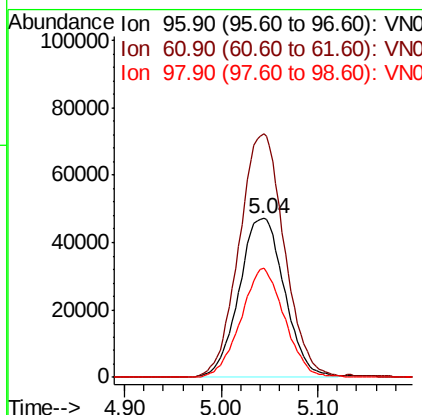
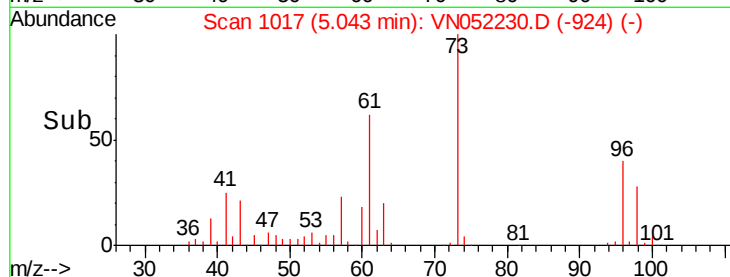
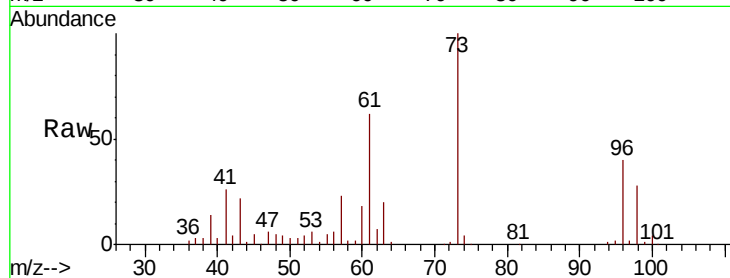
#21
trans-1,2-Dichloroethene
Concen: 46.045 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	115.3	172.9
98	68.6	49.5	74.3

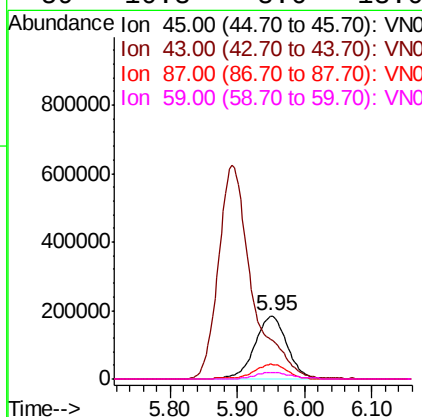
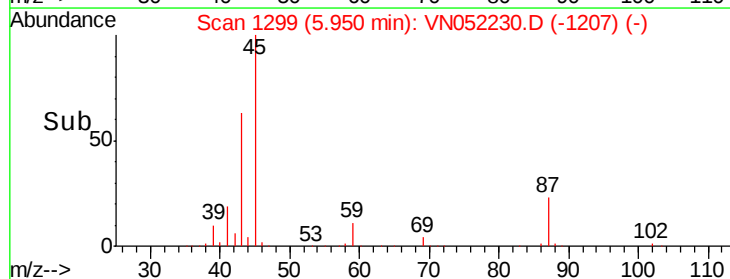
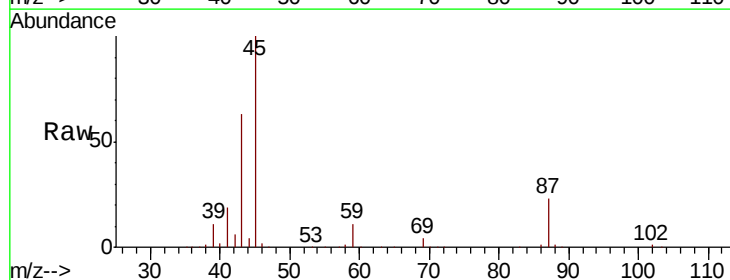
Manual Integrations
APPROVED

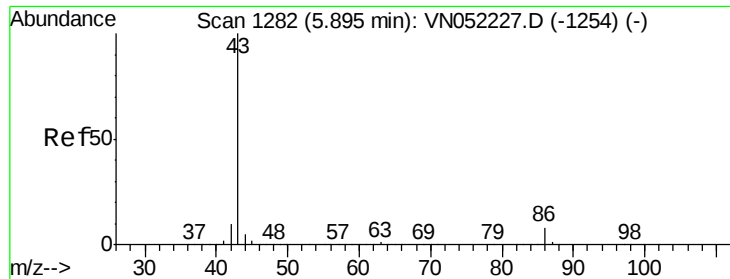
MMDadoda
11/12/2018 9:18:55 AM



#22
Diisopropyl ether
Concen: 47.655 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.5	50.6	76.0
87	23.4	19.0	28.4
59	10.3	8.6	13.0





#23

Vinyl Acetate

Concen: 244.083 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

Tot Ion: 43 Resp: 2163002

Ion Ratio Lower Upper

43 100

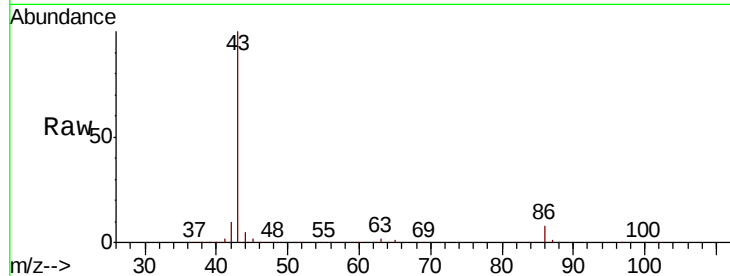
86 8.2 6.7 10.1

Manual Integrations

APPROVED

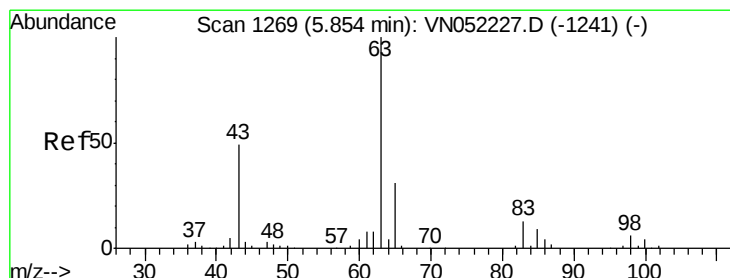
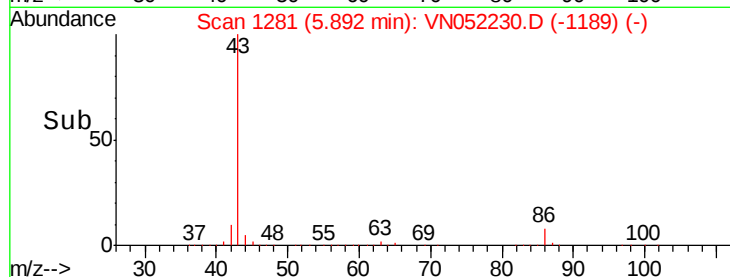
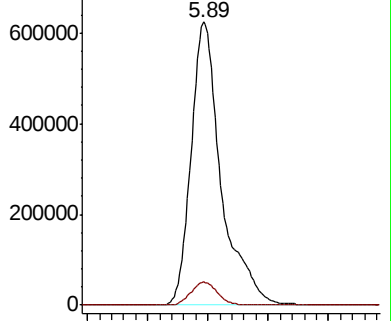
MMDadoda

11/12/2018 9:18:55 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: 46.686 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

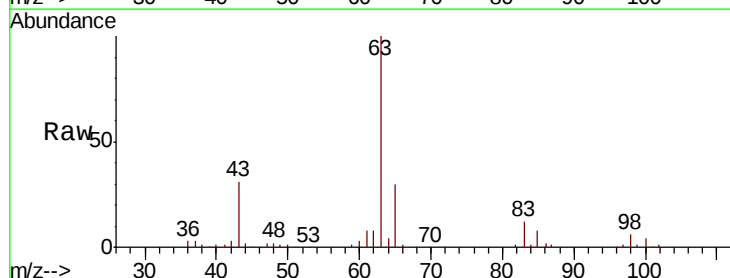
Tgt Ion: 63 Resp: 318460

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

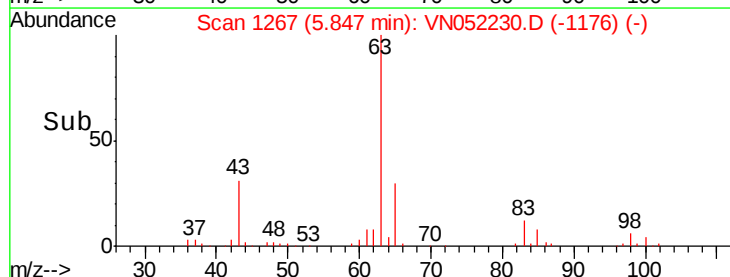
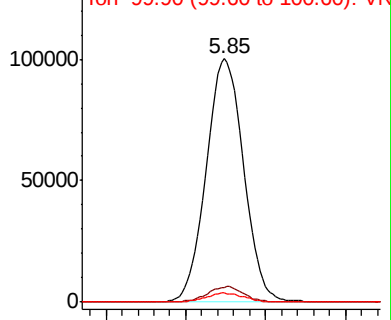
100 3.7 2.1 6.2

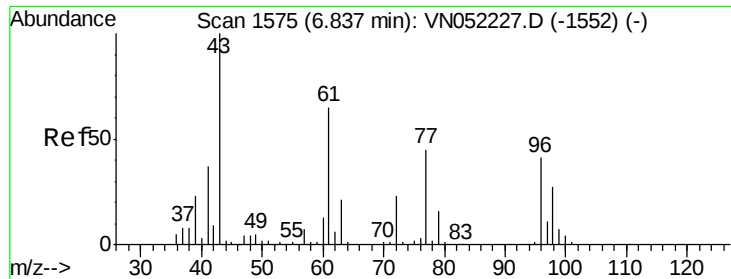


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 209.910 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

Tot Ion: 43 Resp: 360449

Ion Ratio Lower Upper

43 100

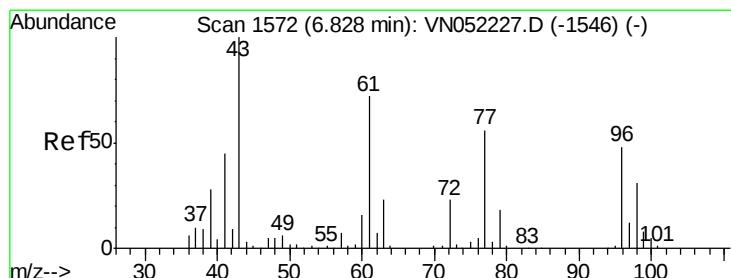
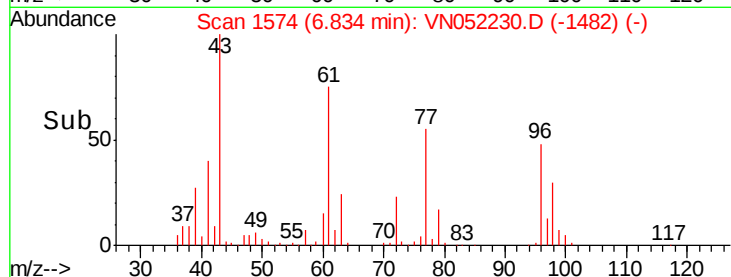
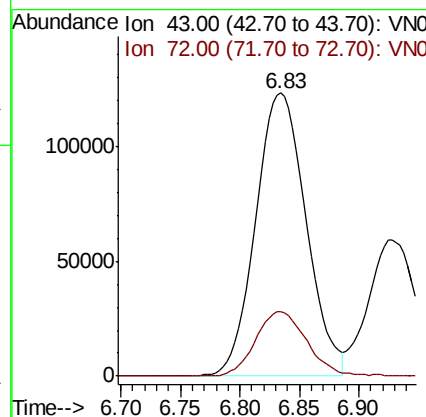
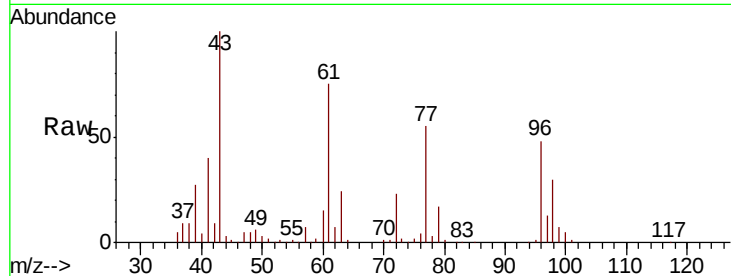
72 22.8 18.6 27.8

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#26

2,2-Dichloropropane

Concen: 48.563 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052230.D

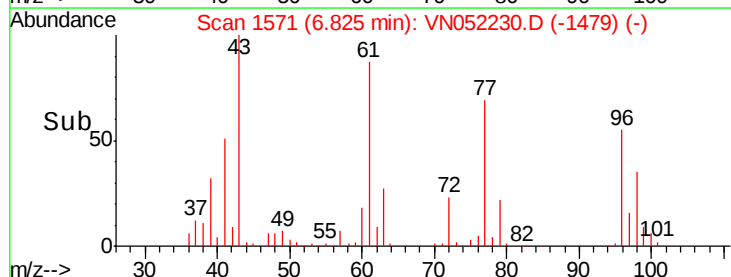
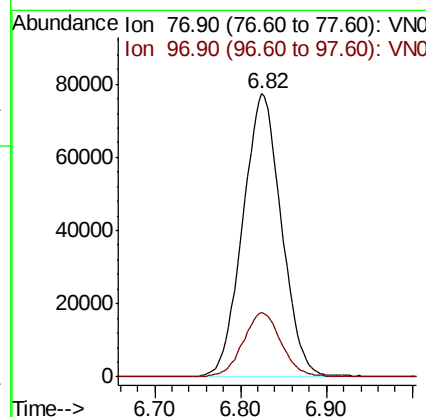
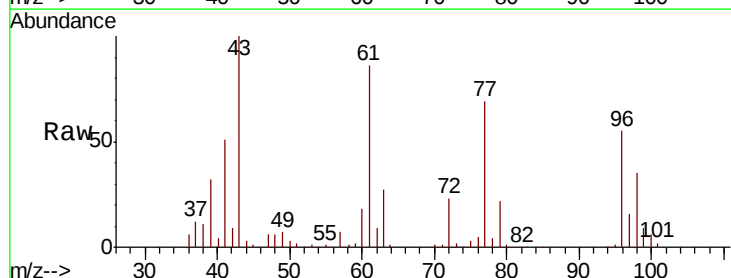
Acq: 9 Nov 2018 16:28

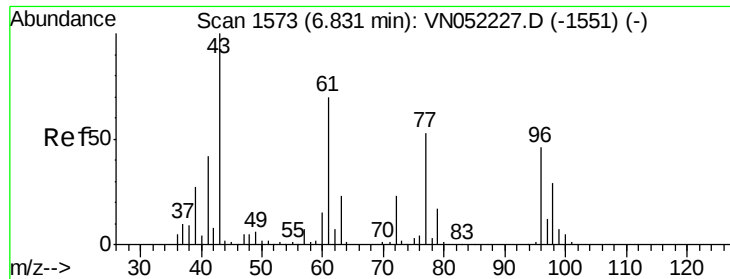
Tgt Ion: 77 Resp: 241946

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 48.577 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

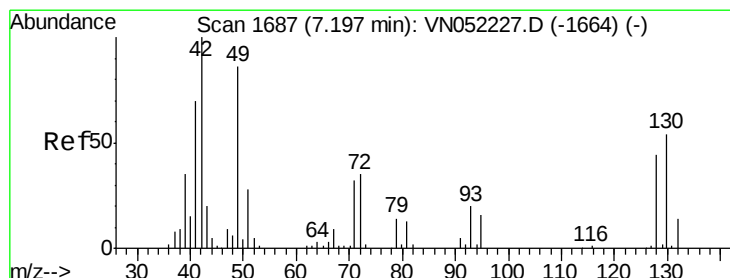
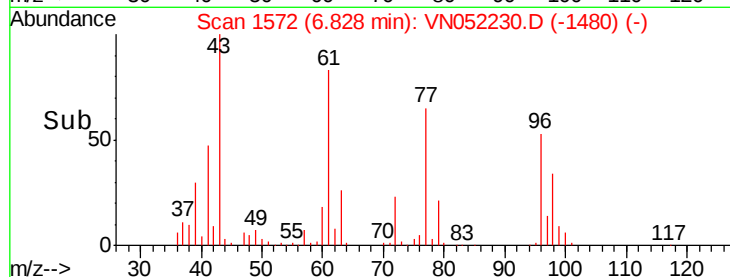
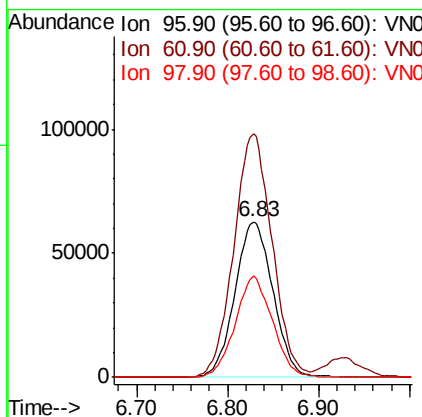
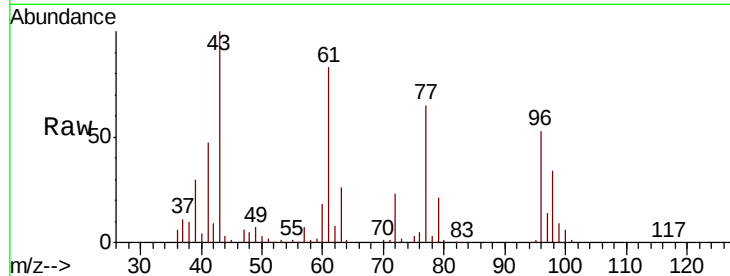
ClientSampleId :

ICVVN110918

Tot Ion	Ratio	Resp	Lower	Upper
96	100	181847		
61	157.5	0.0	313.4	
98	63.8	0.0	129.8	

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#28

Bromochloromethane

Concen: 48.197 ug/l

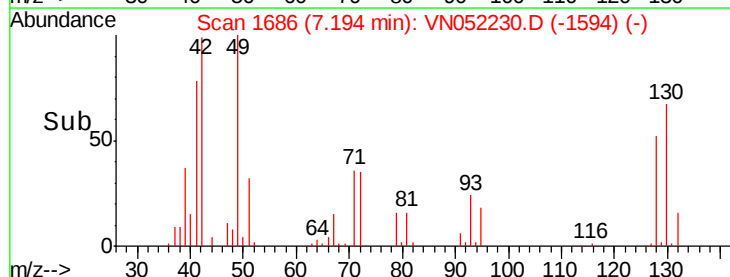
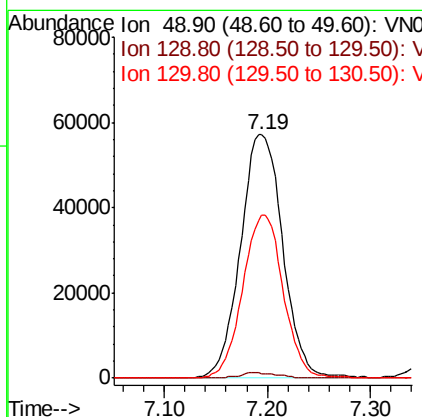
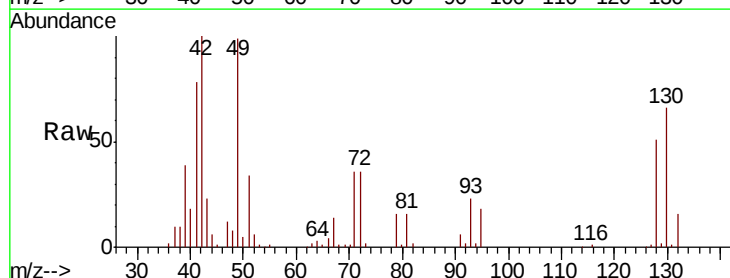
RT: 7.19 min Scan# 1686

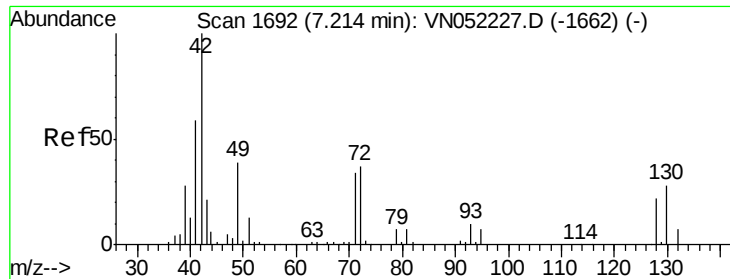
Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	162451		
129	1.9	0.0	3.8	
130	64.5	51.4	77.2	





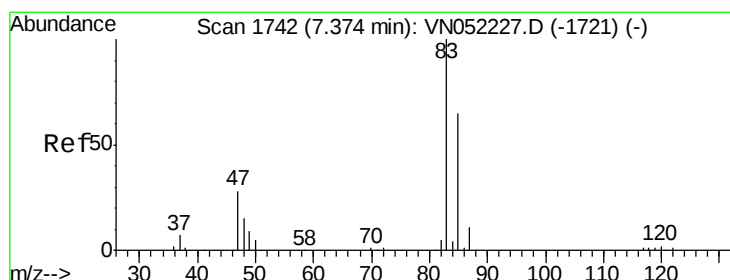
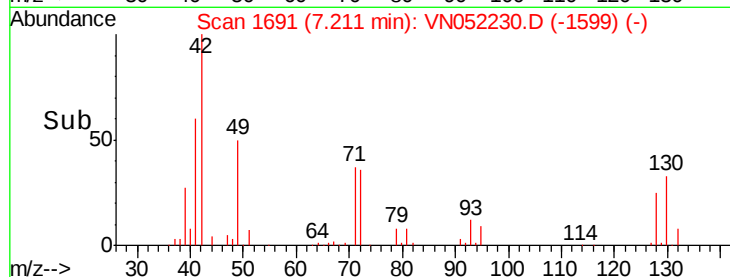
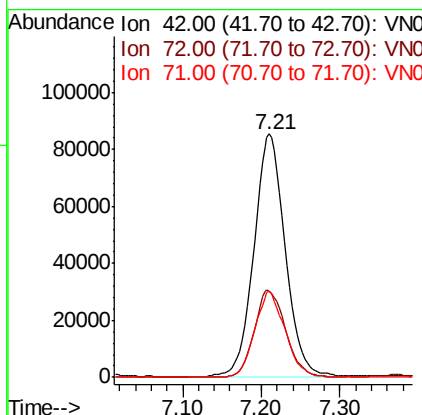
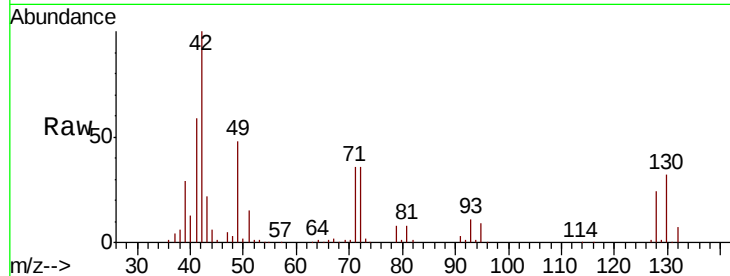
#29
Tetrahydrofuran
Concen: 214.852 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	28.6	43.0
71	34.7	27.1	40.7

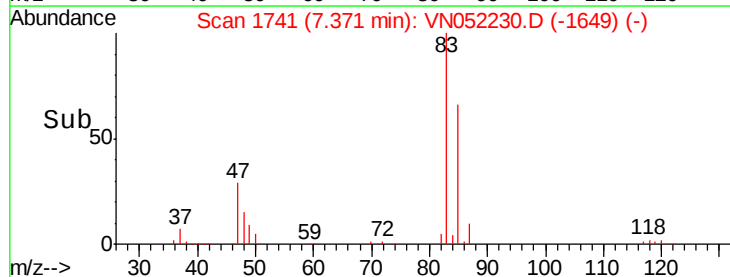
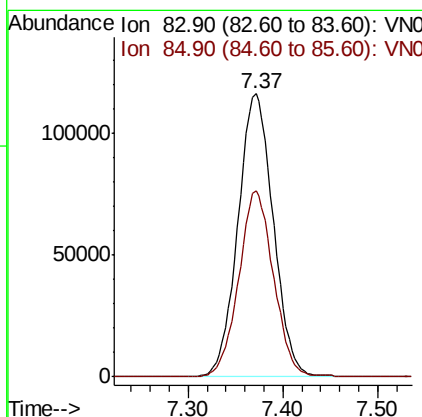
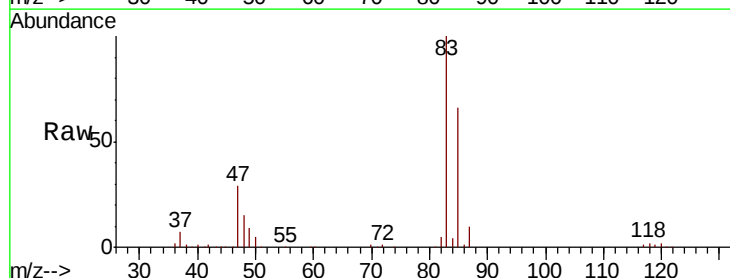
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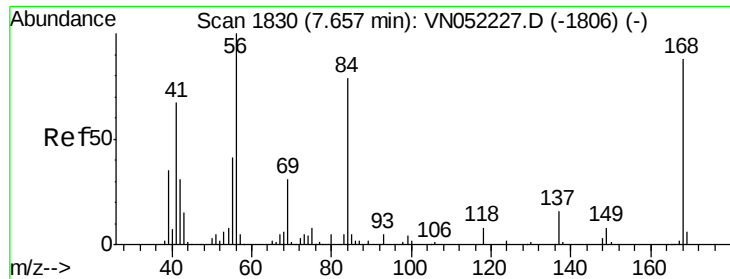
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#30
Chloroform
Concen: 46.707 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.6





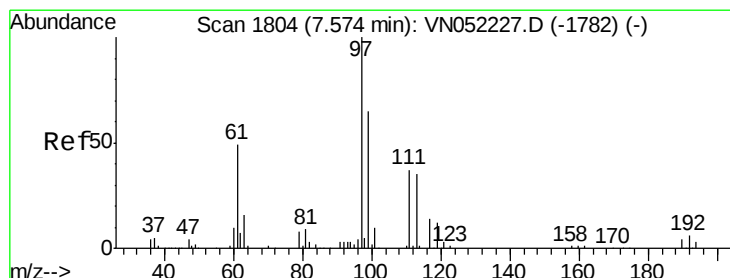
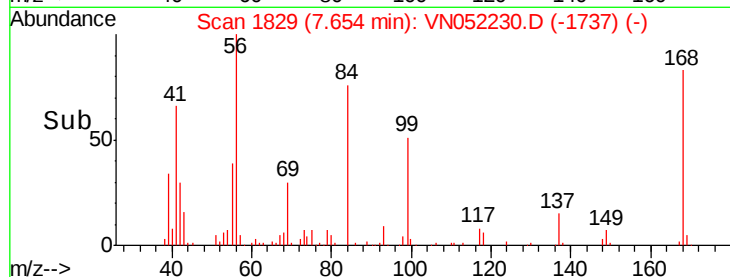
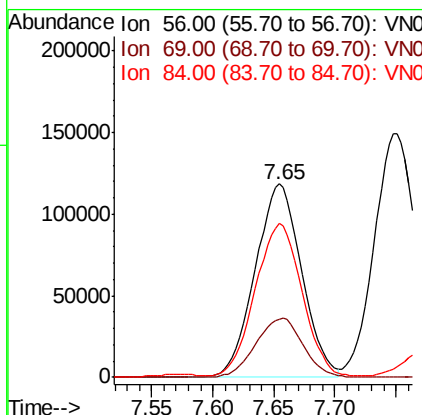
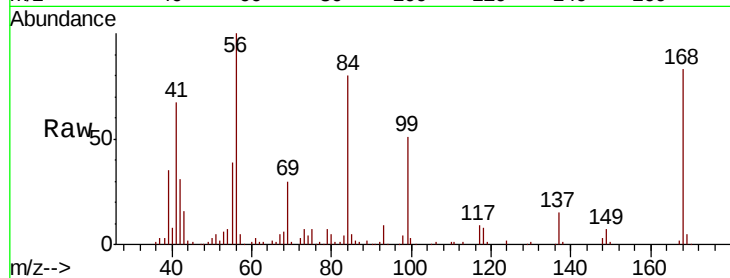
#31
Cyclohexane
Concen: 49.661 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.8	37.2
84	78.1	63.1	94.7

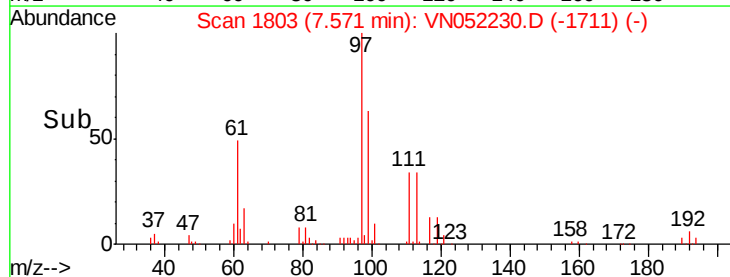
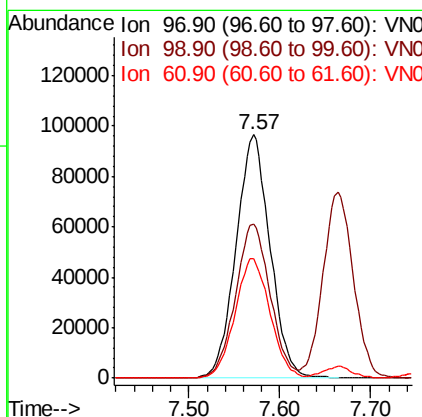
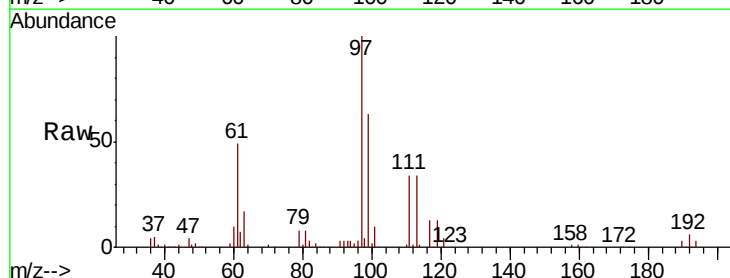
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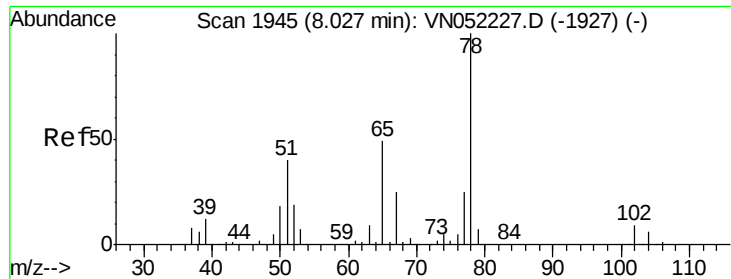
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#32
1,1,1-Trichloroethane
Concen: 47.696 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.9	77.9
61	50.4	40.2	60.4





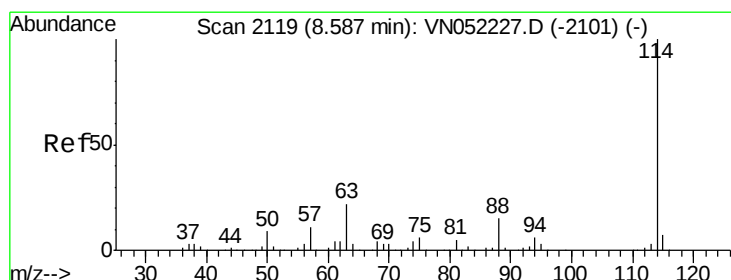
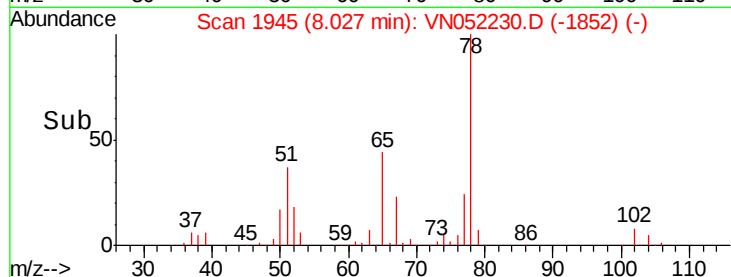
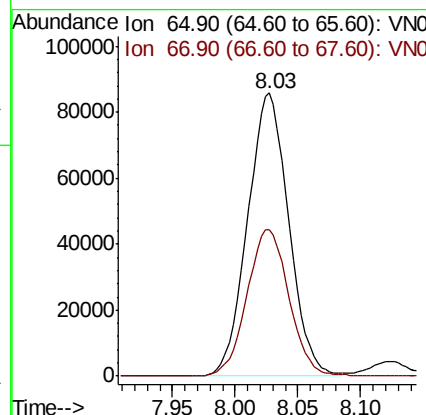
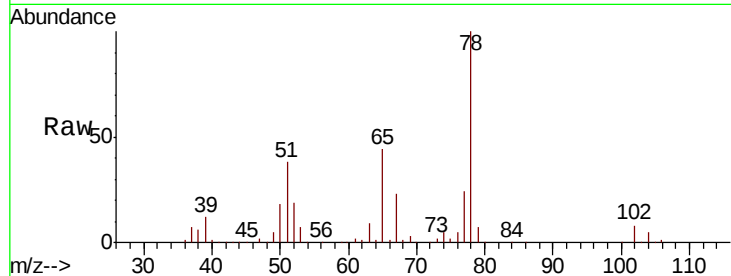
#33
 1,2-Dichloroethane-d4
 Concen: 47.696 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195499		
67	52.9	0.0	106.6	

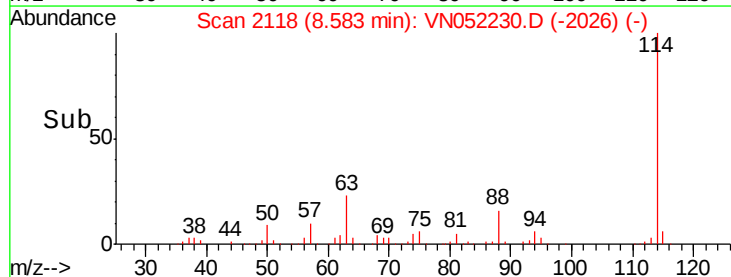
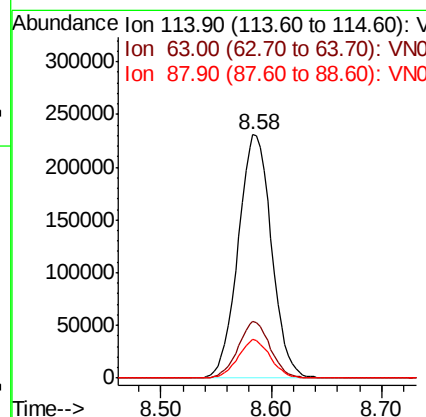
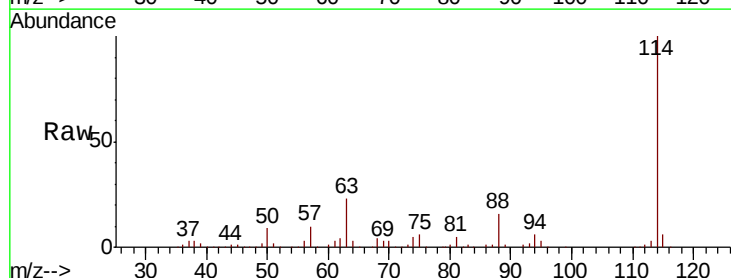
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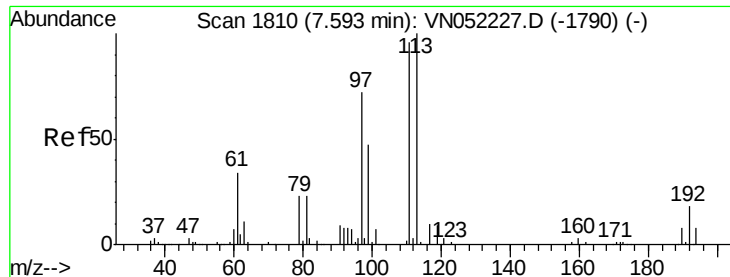
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 11/12/2018 9:18:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	483119		
63	23.3	0.0	43.4	
88	15.8	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

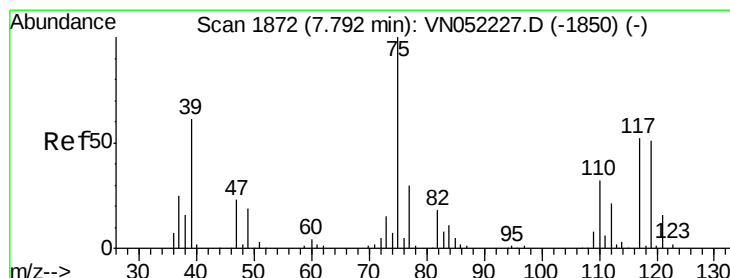
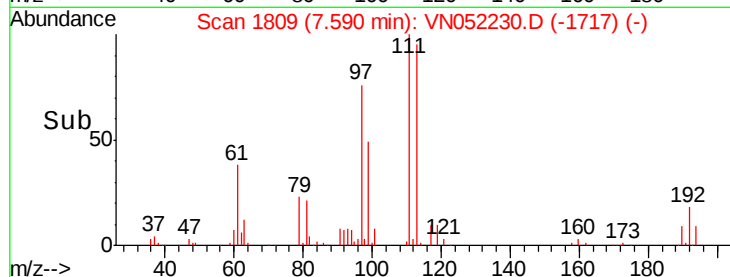
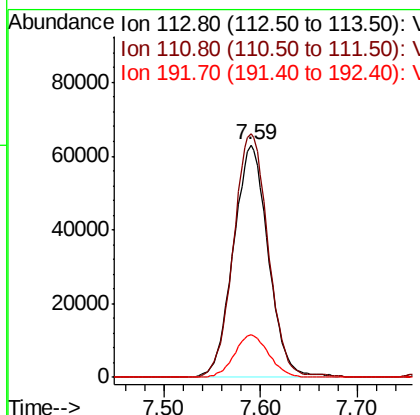
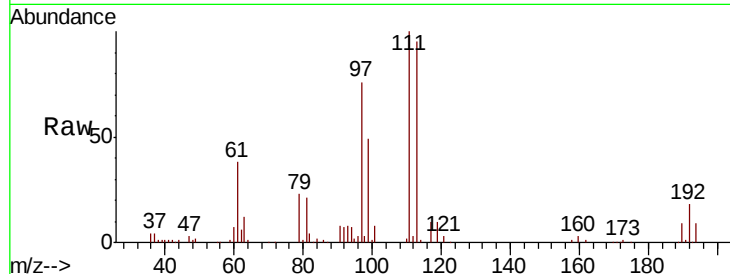
ClientSampleId :

ICVVN110918

Tot Ion:	113	Resp:	158116
Ion Ratio	Lower	Upper	
113	100		
111	104.4	80.2	120.4
192	18.1	14.1	21.1

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#36

1,1-Dichloropropene

Concen: 49.334 ug/l

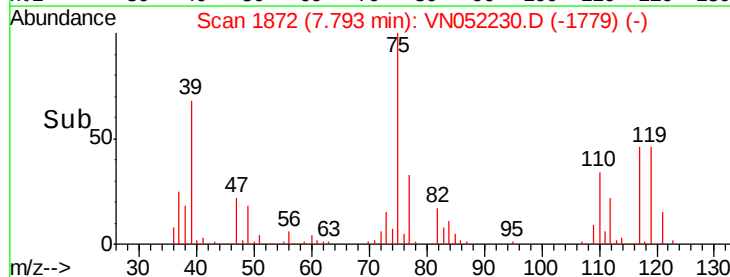
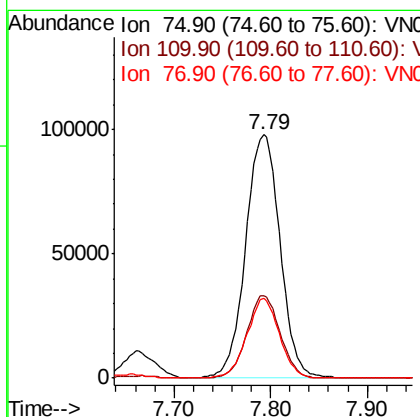
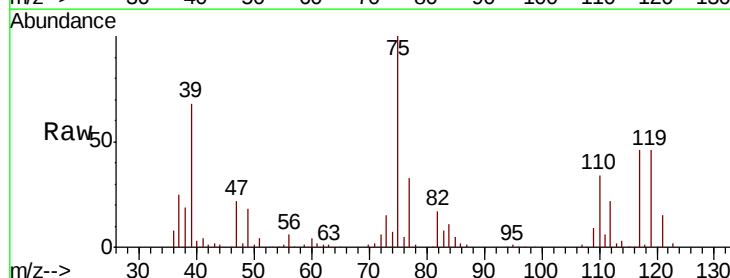
RT: 7.79 min Scan# 1872

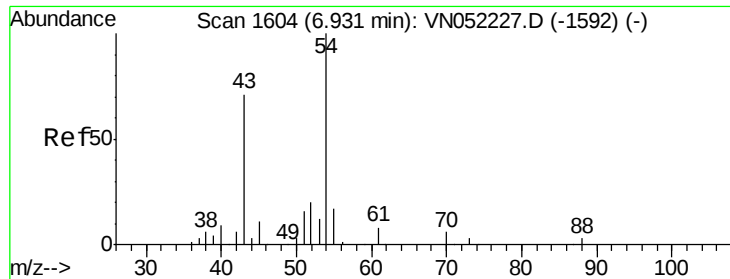
Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Tgt Ion:	75	Resp:	240568
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.4	49.4
77	31.1	23.9	35.9





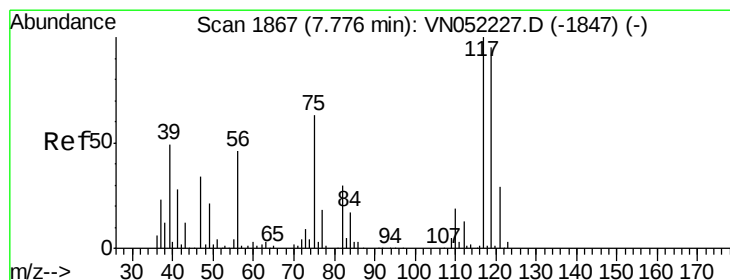
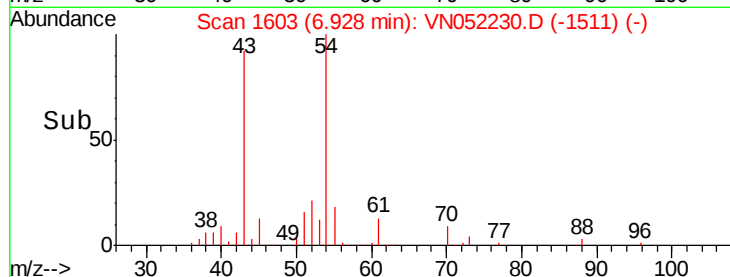
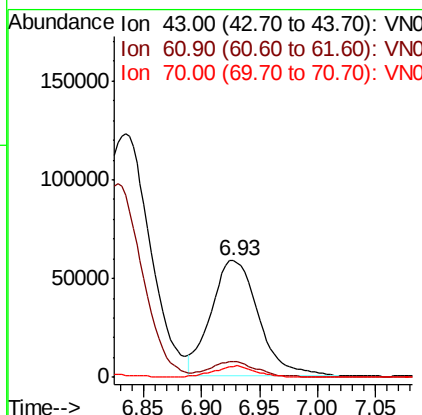
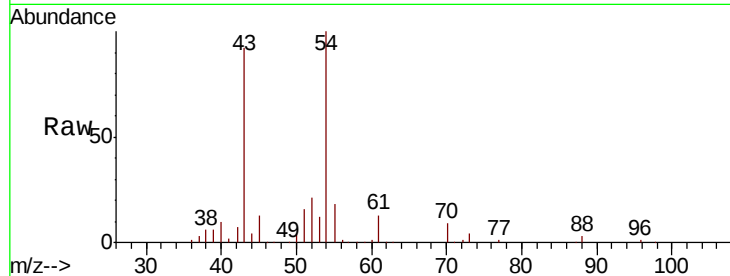
#37
Ethyl Acetate
Concen: 45.272 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.0	15.0
70	9.0	6.9	10.3

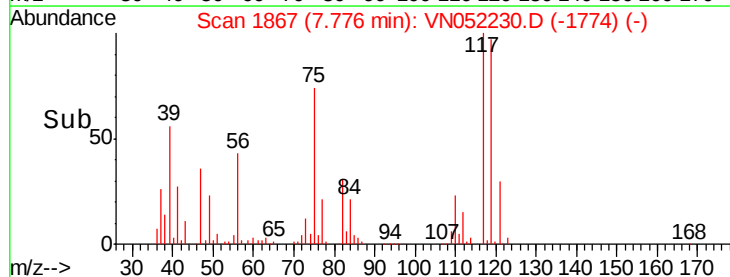
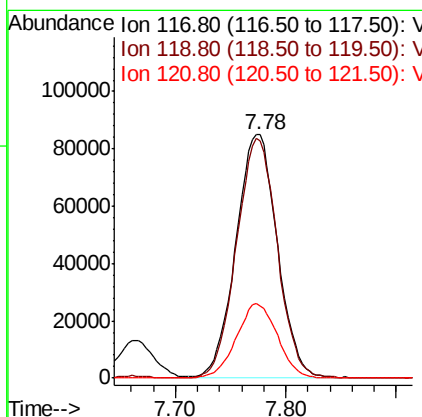
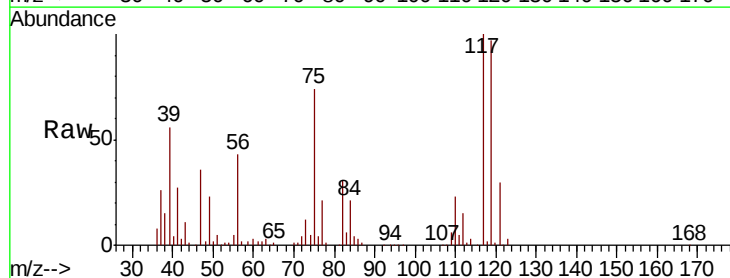
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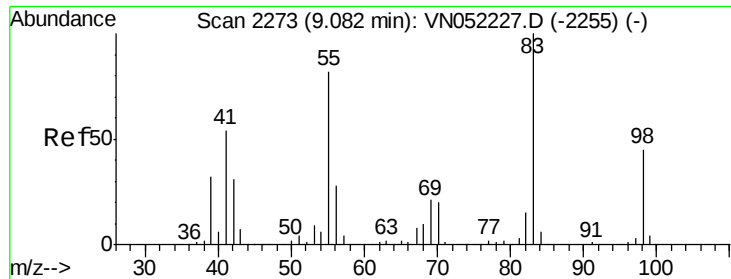
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11/12/2018 9:18:55 AM



#38
Carbon Tetrachloride
Concen: 49.693 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.8	113.8
121	29.9	23.4	35.2





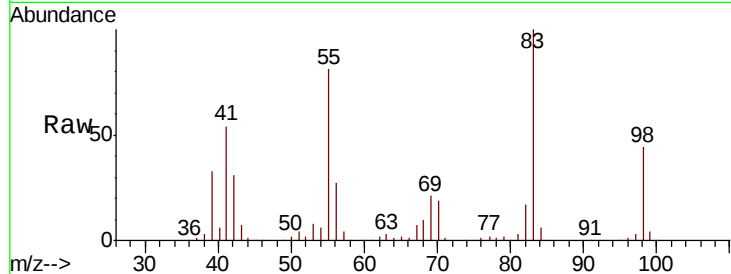
#39
Methvlcvclohexane
Concen: 53.048 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Resp	Lower	Upper
83	100	295052		
55	81.2	65.2	97.8	
98	43.7	36.3	54.5	

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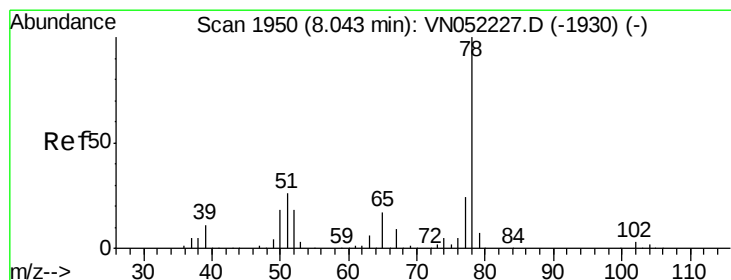
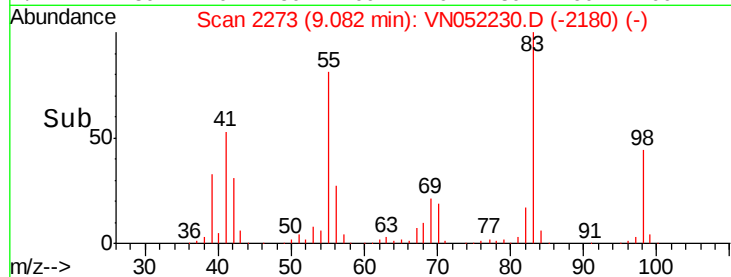
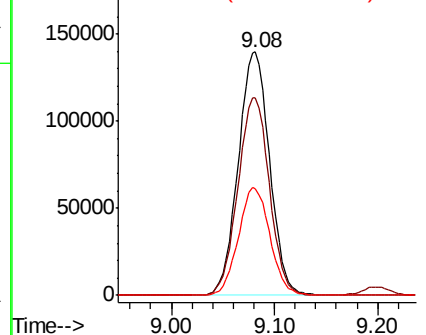


Abundance

Ion 83.00 (82.70 to 83.70): VN0

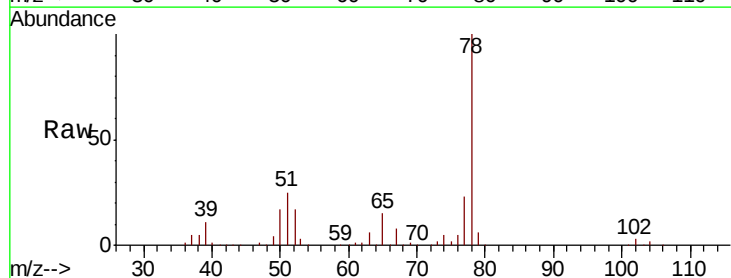
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 49.668 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

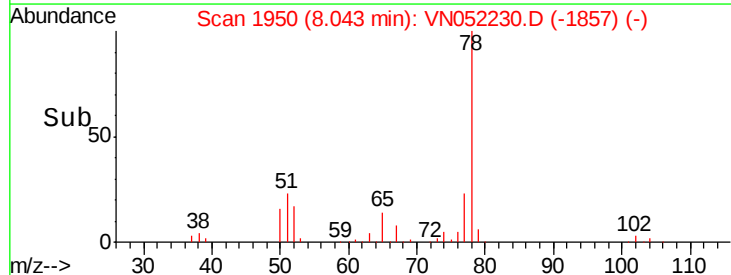
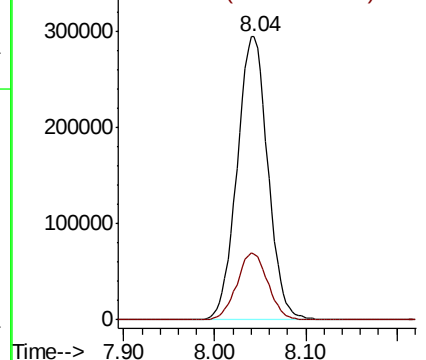
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	693450		
77	23.3	19.2	28.8	

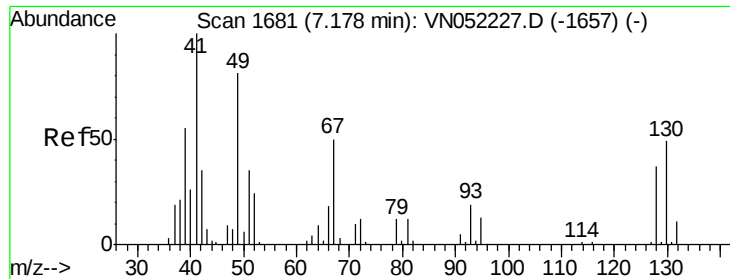


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





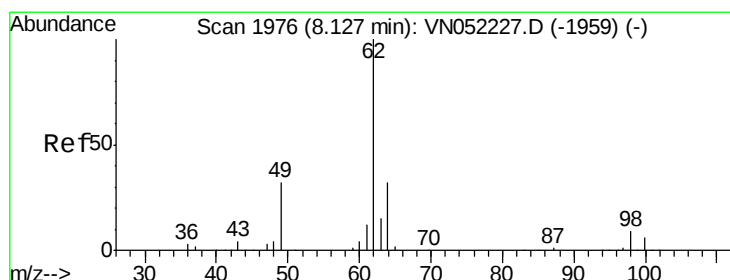
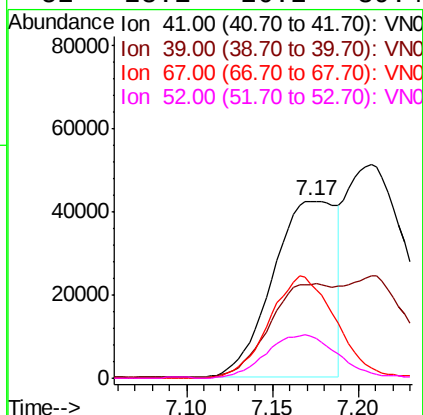
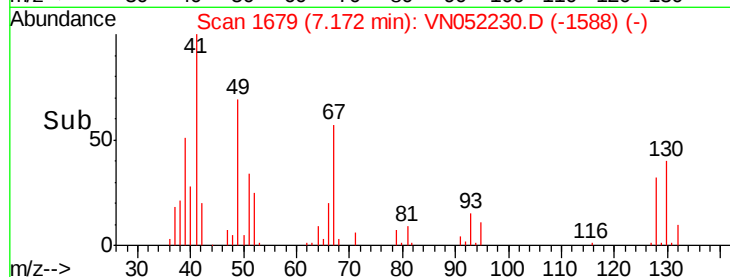
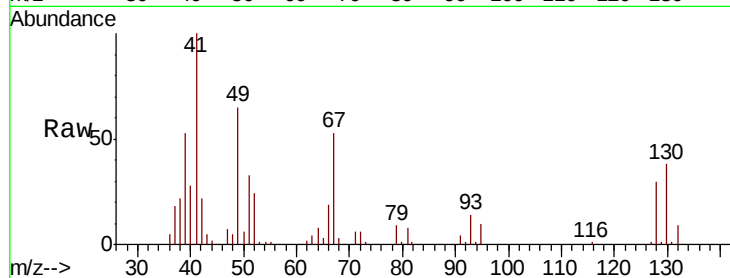
#41
Methacrylonitrile
Concen: 51.185 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.8	47.8	71.6
67	61.3	54.3	81.5
52	28.1	26.2	39.4

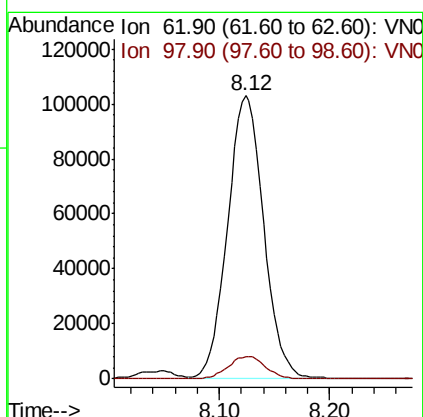
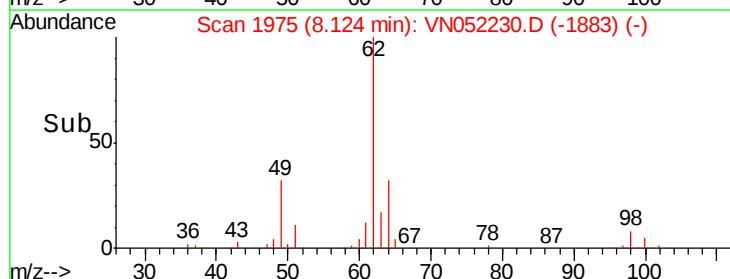
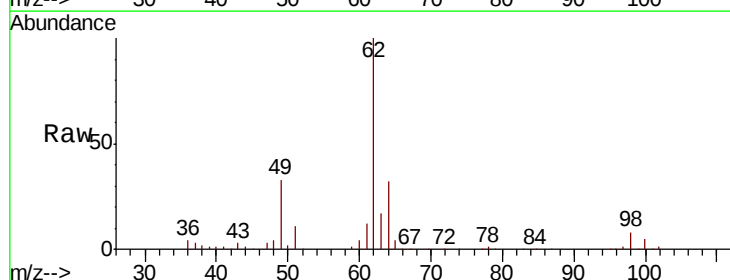
Manual Integrations
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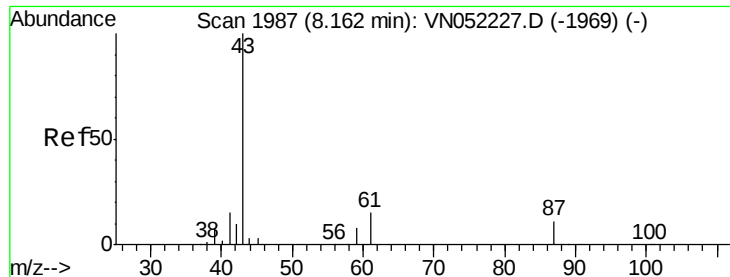
MMDadoda
11/12/2018 9:18:55 AM



#42
1,2-Dichloroethane
Concen: 47.478 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4





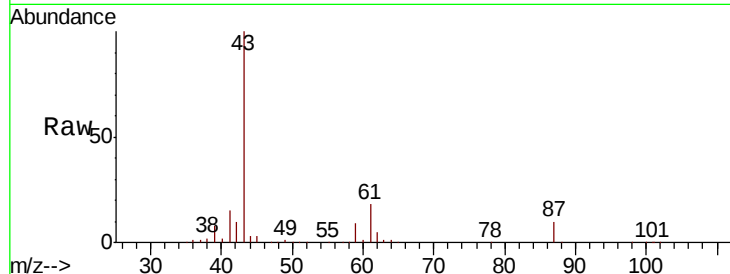
#43
Isopropyl Acetate
Concen: 48.262 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

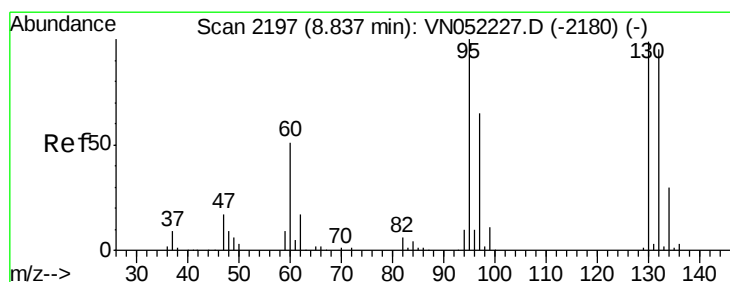
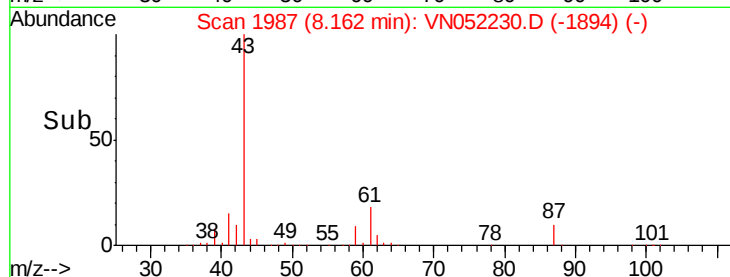
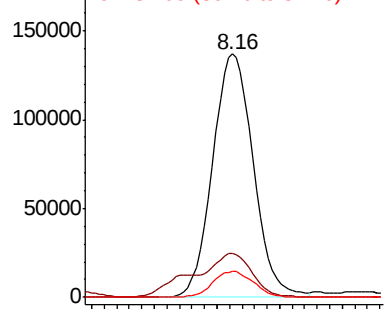
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	14.2	21.4#
87	10.8	8.4	12.6

Manual Integrations
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MMDadoda
11/12/2018 9:18:55 AM

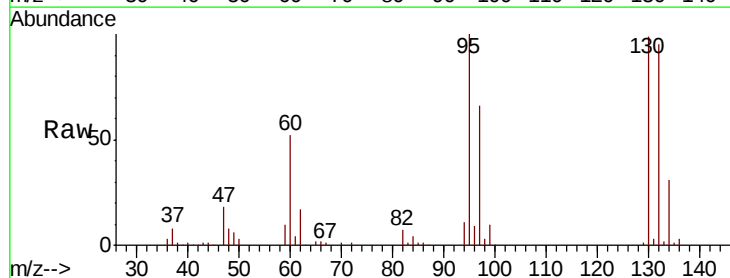


Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1969) (-)

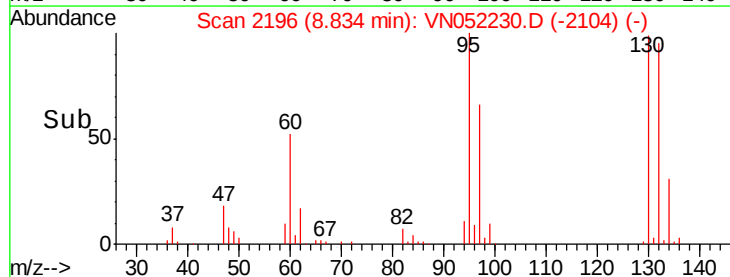
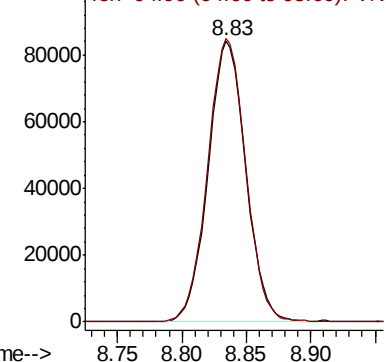


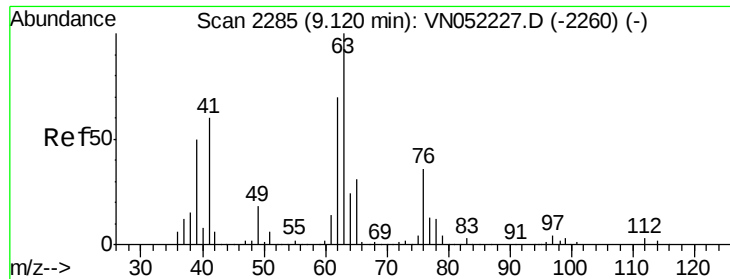
#44
Trichloroethene
Concen: 48.759 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	201.6



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





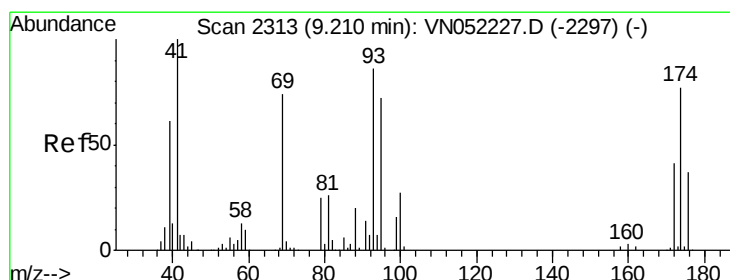
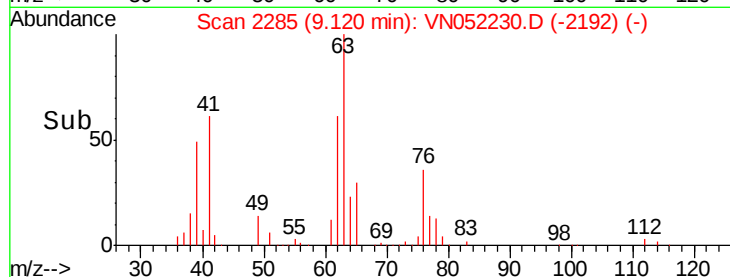
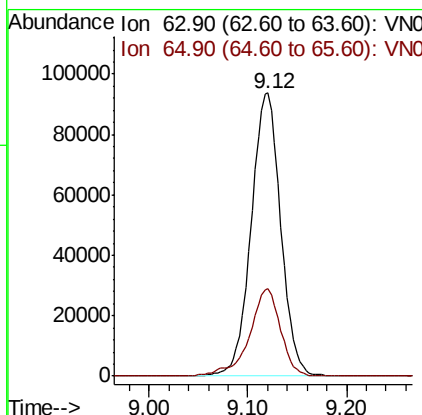
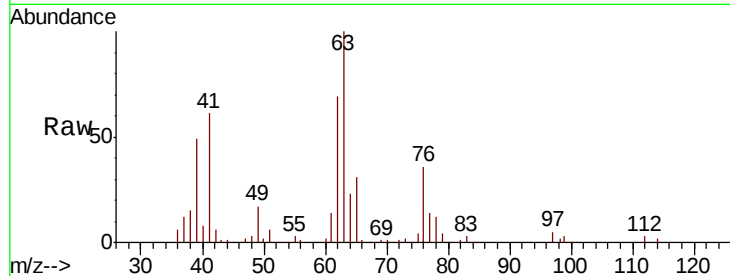
#45
 1,2-Dichloropropane
 Concen: 49.589 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.8	37.2

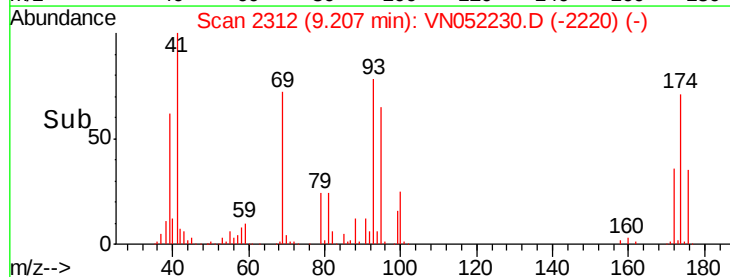
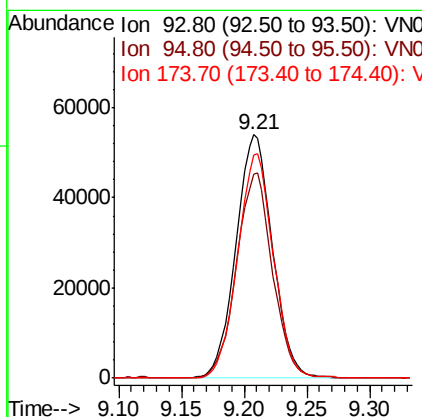
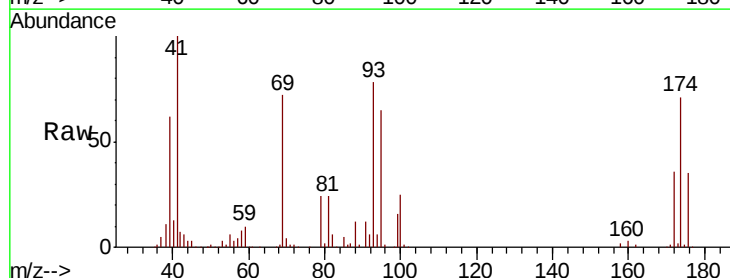
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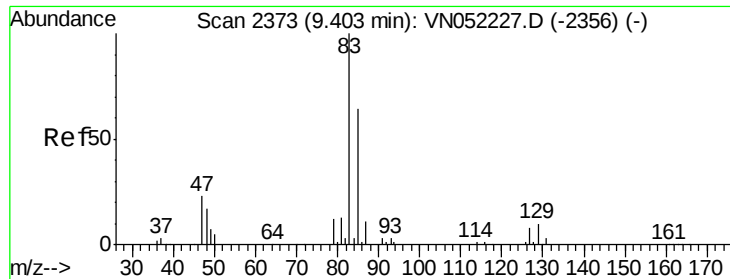
MMDadoda
 11/12/2018 9:18:55 AM



#46
 Dibromomethane
 Concen: 48.730 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.0	100.4
174	90.3	72.1	108.1





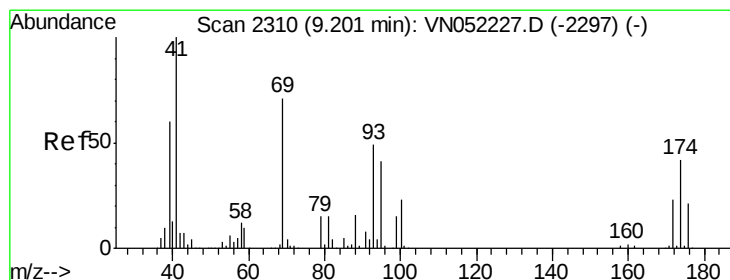
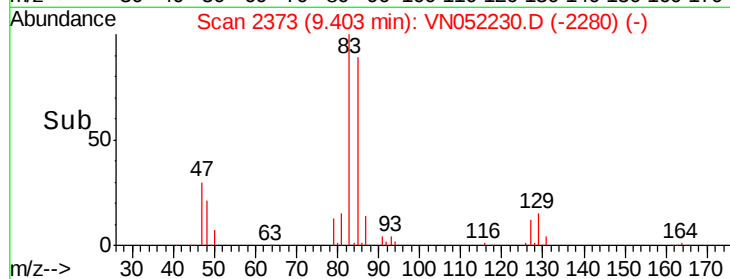
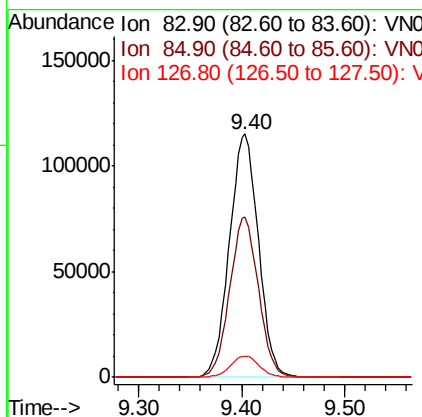
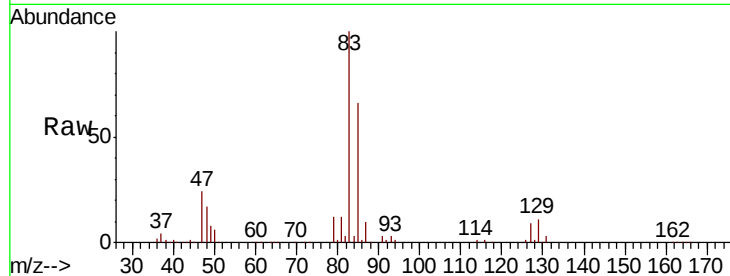
#47
Bromodichloromethane
Concen: 48.700 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	83	Resp	226059
Ion Ratio	100		
83	100		
85	65.6	51.2	76.8
127	8.8	6.2	9.4

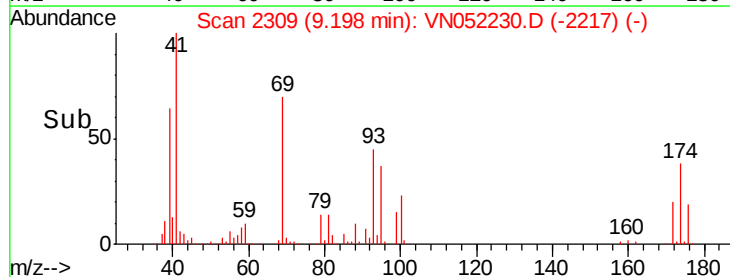
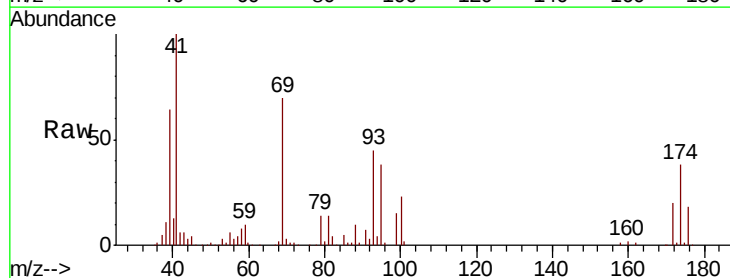
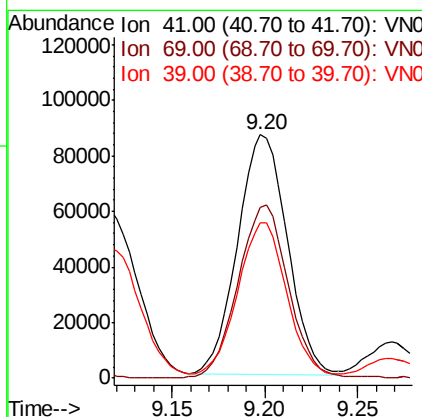
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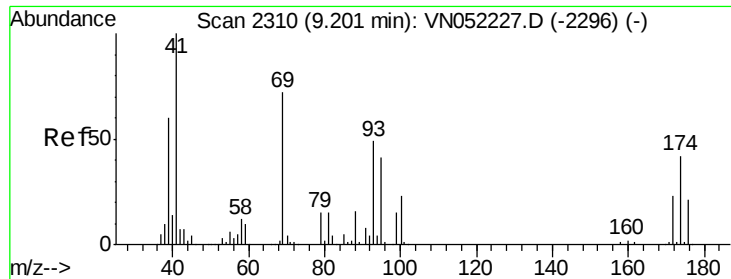
MMDadoda
11/12/2018 9:18:55 AM



#48
Methyl methacrylate
Concen: 47.672 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	41	Resp	160580
Ion Ratio	100		
41	100		
69	73.2	58.8	88.2
39	61.5	50.7	76.1





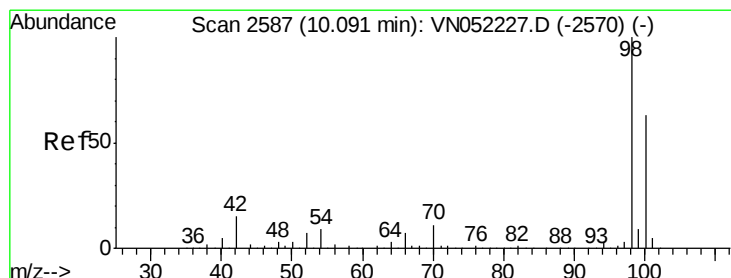
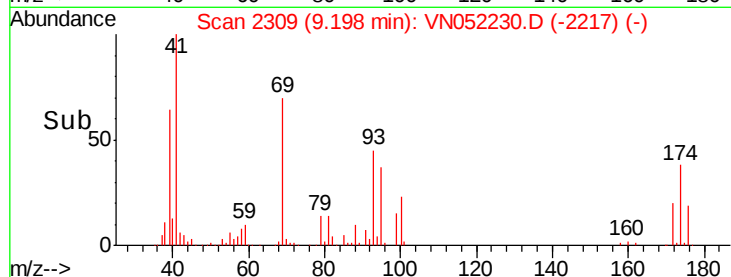
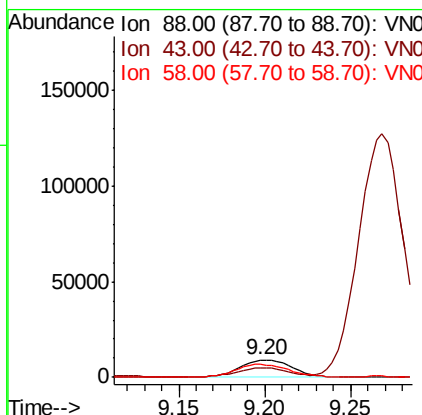
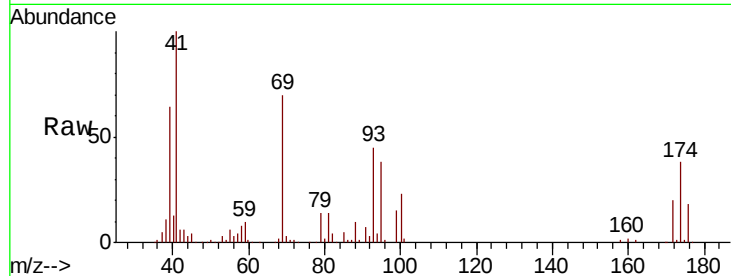
#49
1,4-Dioxane
Concen: 719.331 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion: 88 Resp: 19478
Ion Ratio Lower Upper
88 100
43 50.1 32.5 48.7#
58 76.8 58.2 87.4

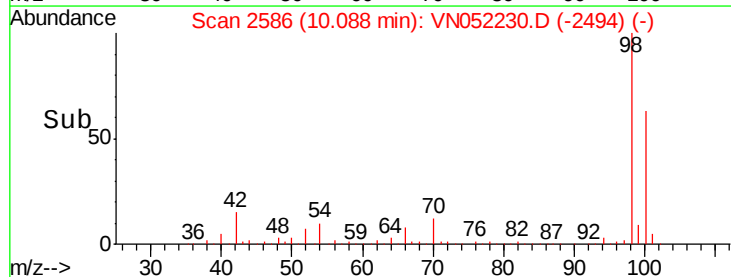
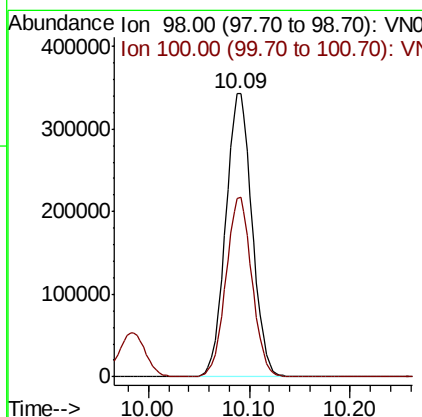
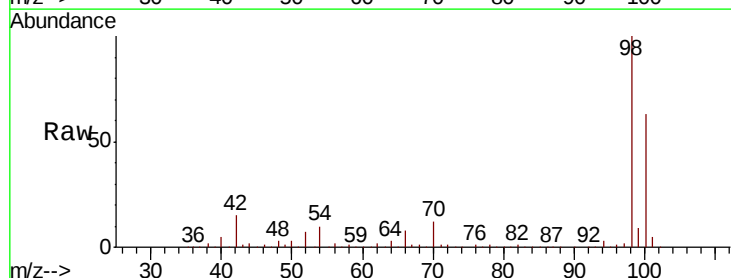
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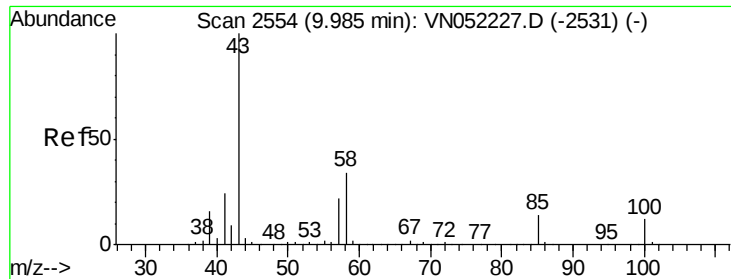
MMDadoda
11/12/2018 9:18:55 AM



#50
Toluene-d8
Concen: 719.331 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 98 Resp: 624008
Ion Ratio Lower Upper
98 100
100 62.6 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 236.183 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleID :

ICVVN110918

Tot Ion: 43 Resp: 833843

Ion Ratio Lower Upper

43 100

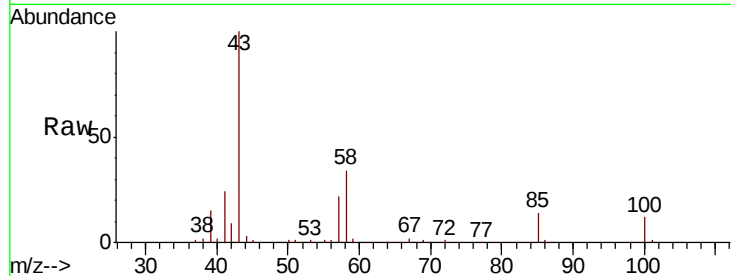
58 34.7 27.4 41.0

Manual Integrations

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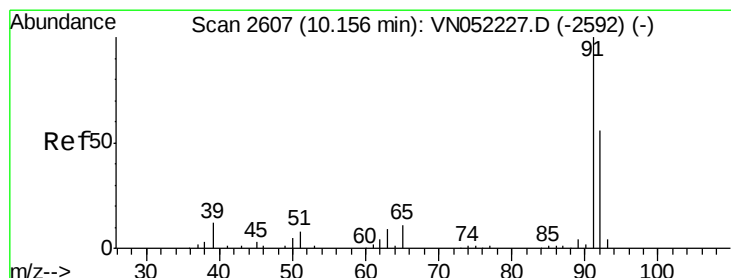
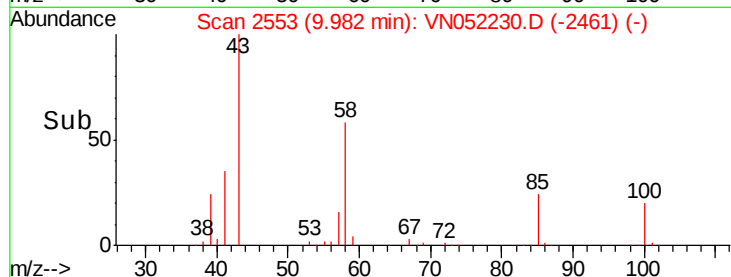
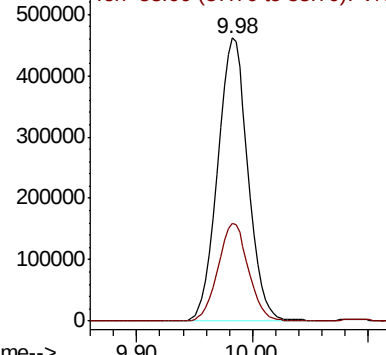
MMDadoda

11/12/2018 9:18:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.006 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052230.D

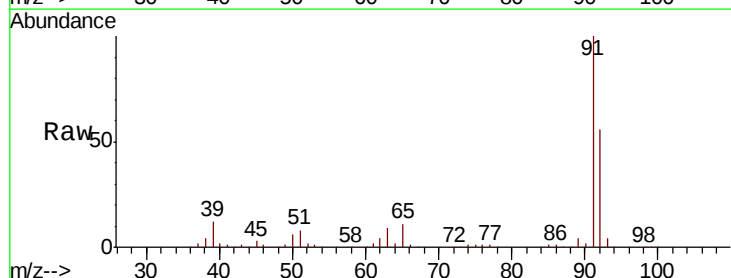
Acq: 9 Nov 2018 16:28

Tgt Ion: 92 Resp: 421154

Ion Ratio Lower Upper

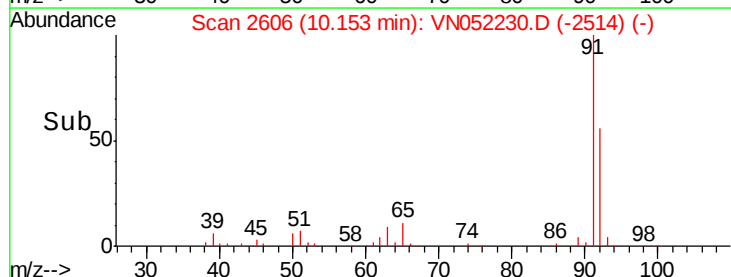
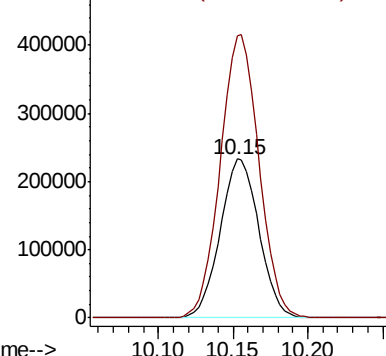
92 100

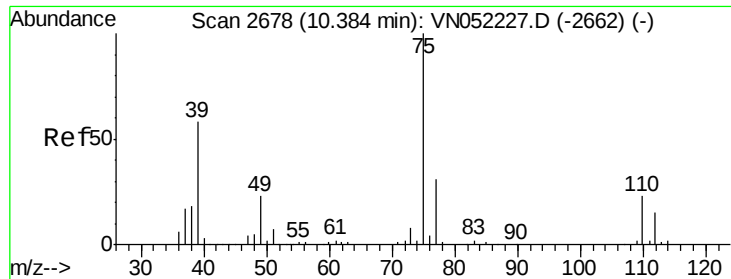
91 178.1 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





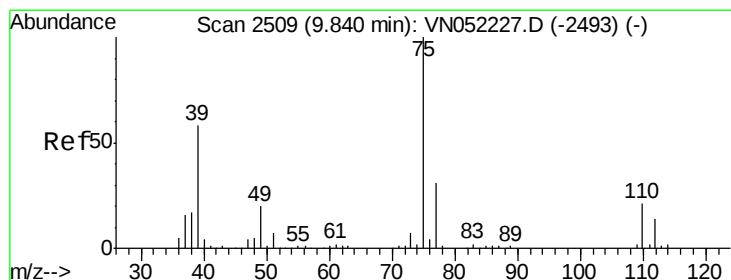
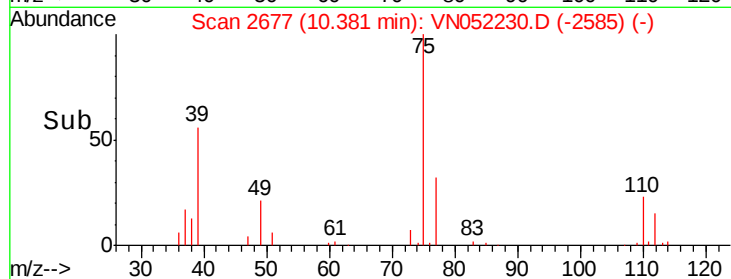
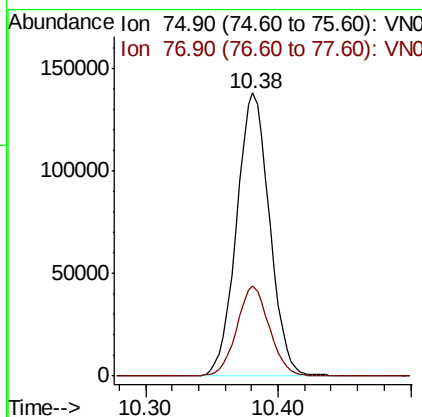
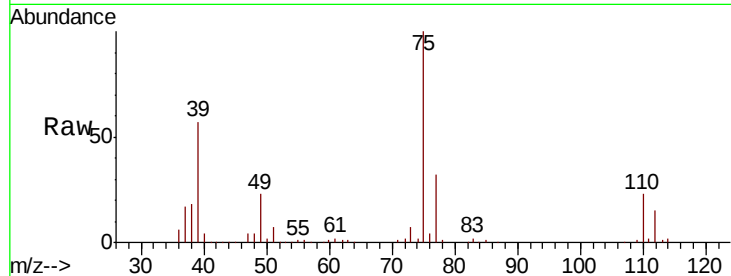
#53
t-1,3-Dichloropropene
Concen: 51.971 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion: 75 Resp: 238059
Ion Ratio Lower Upper
75 100
77 31.6 24.6 36.8

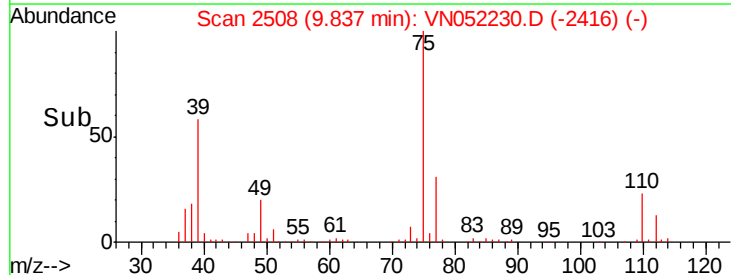
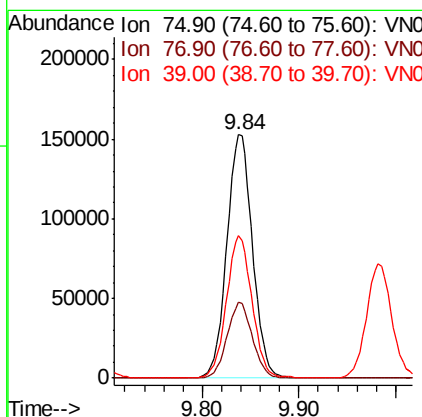
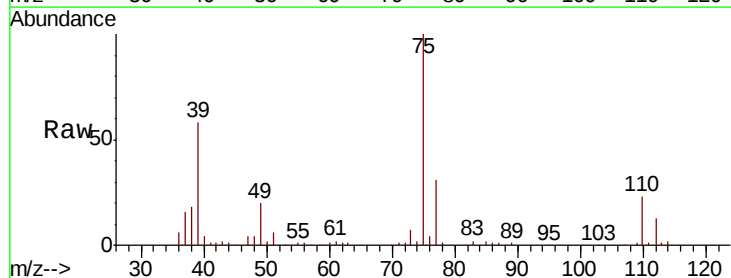
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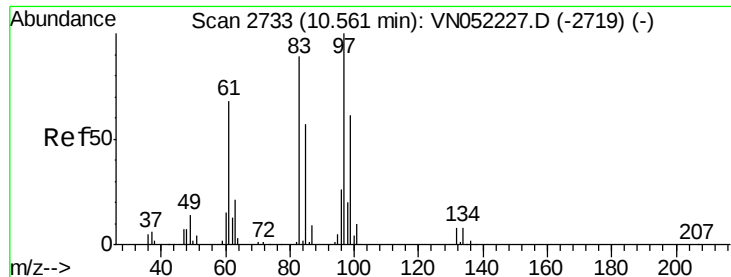
MMDadoda
11/12/2018 9:18:55 AM



#54
cis-1,3-Dichloropropene
Concen: 51.916 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 75 Resp: 280726
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8
39 58.1 46.6 70.0





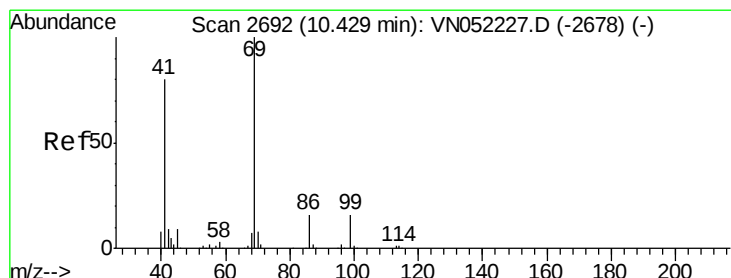
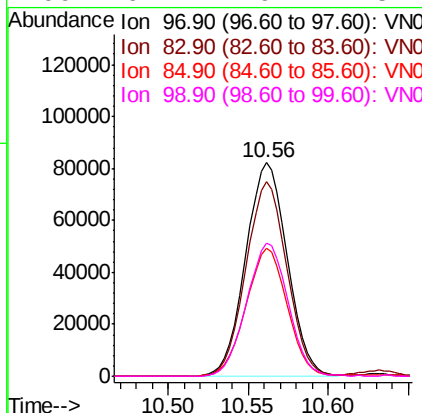
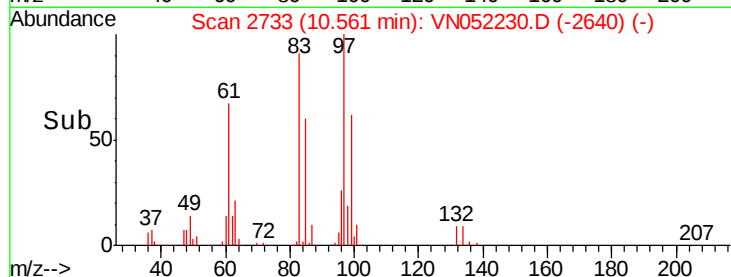
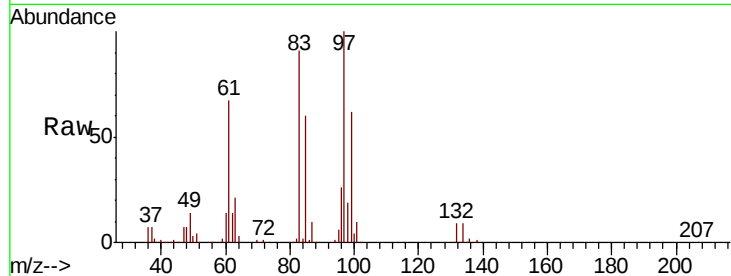
#55
 1,1,2-Trichloroethane
 Concen: 48.167 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion:	97	Resp:	146625
Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.2	106.8
85	60.1	45.6	68.4
99	62.4	49.1	73.7

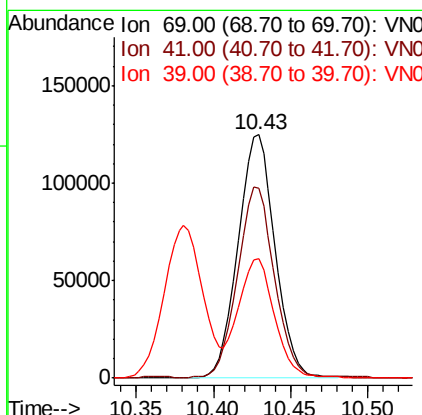
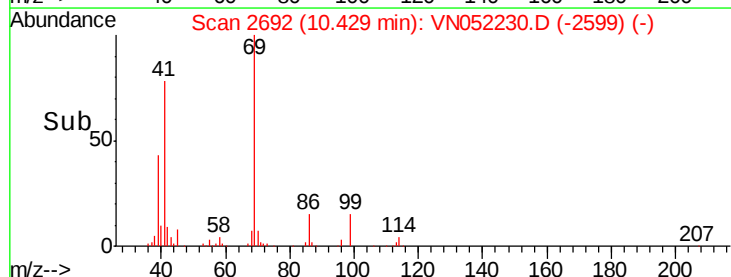
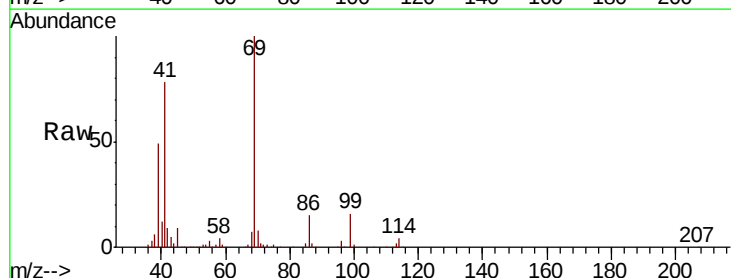
Manual Integrations
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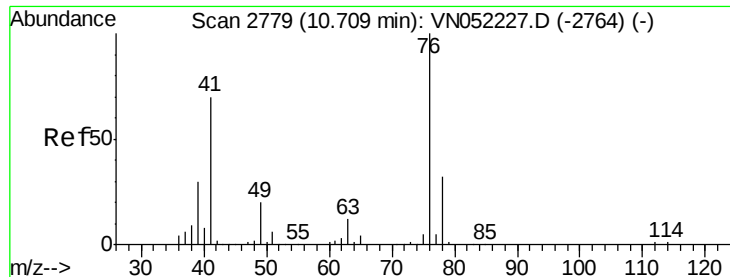
MMDadoda
 11/12/2018 9:18:55 AM



#56
 Ethyl methacrylate
 Concen: 50.423 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion:	69	Resp:	207446
Ion	Ratio	Lower	Upper
69	100		
41	77.3	64.0	96.0
39	47.4	37.8	56.8





#57

1,3-Dichloropropane

Concen: 48.555 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

Tot Ion: 76 Resp: 264592

Ion Ratio Lower Upper

76 100

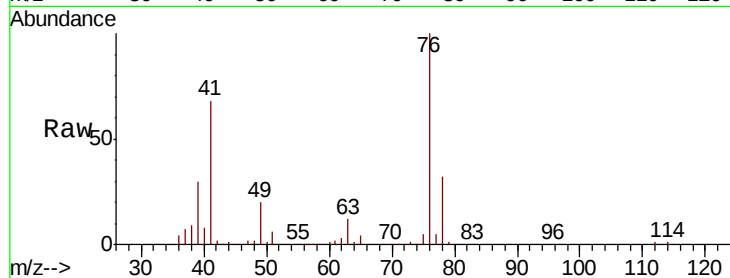
78 32.2 25.7 38.5

Manual Integrations

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MMDadoda

11/12/2018 9:18:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

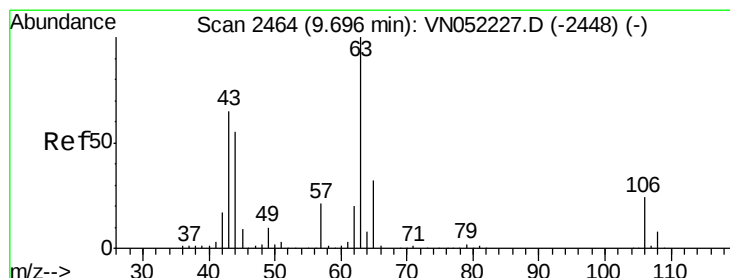
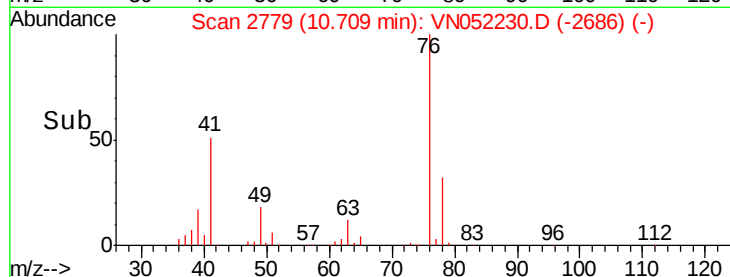
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 258.704 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052230.D

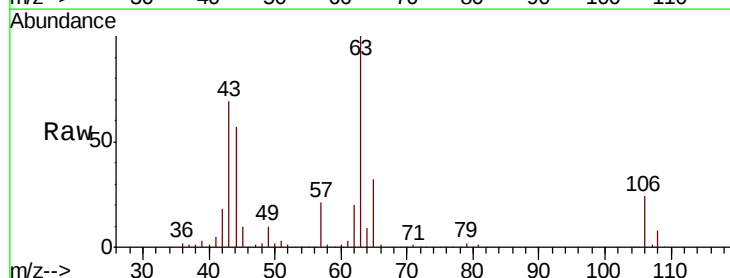
Acq: 9 Nov 2018 16:28

Tgt Ion: 63 Resp: 589341

Ion Ratio Lower Upper

63 100

106 24.2 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

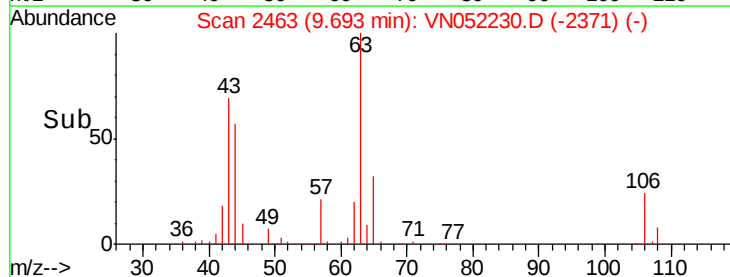
300000

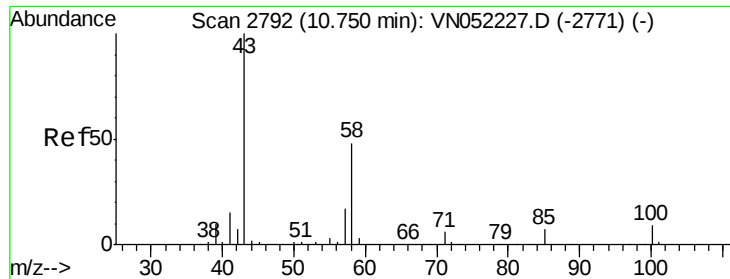
200000

100000

0

Time-->





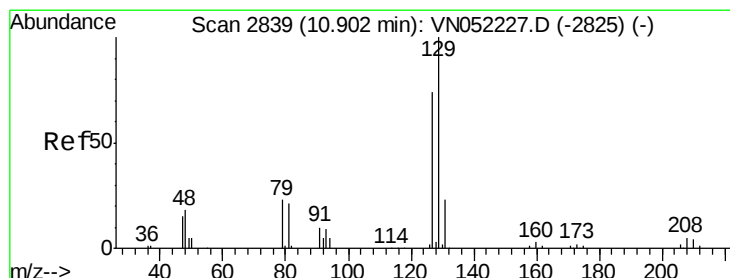
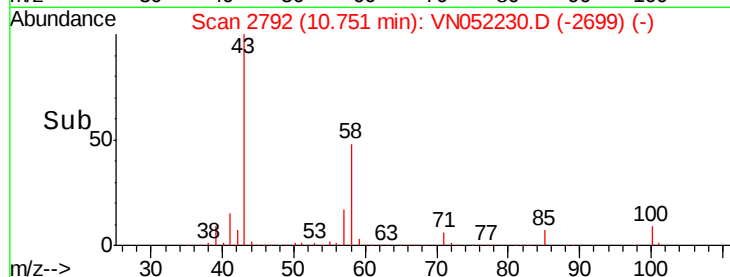
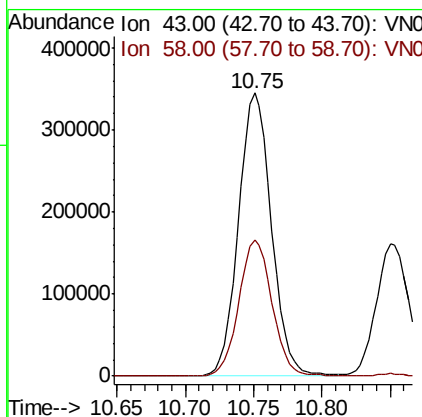
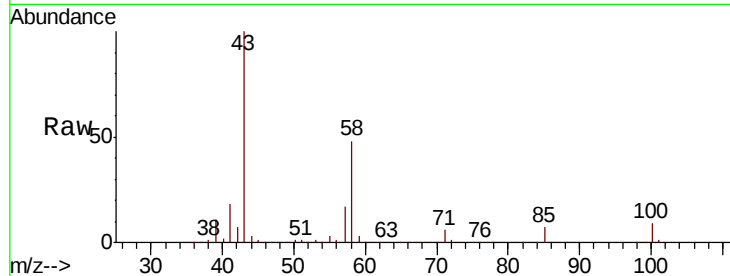
#59
2-Hexanone
Concen: 232.677 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampled :
ICVVN110918

Tot Ion: 43 Resp: 576669
Ion Ratio Lower Upper
43 100
58 48.8 24.1 72.3

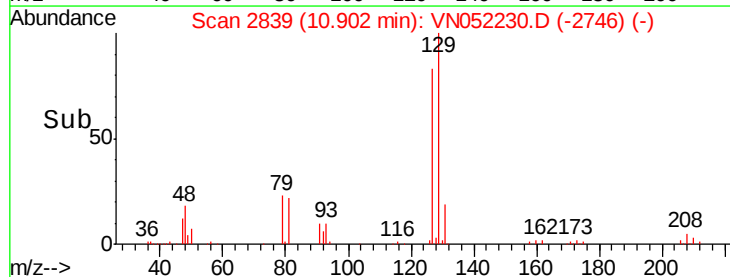
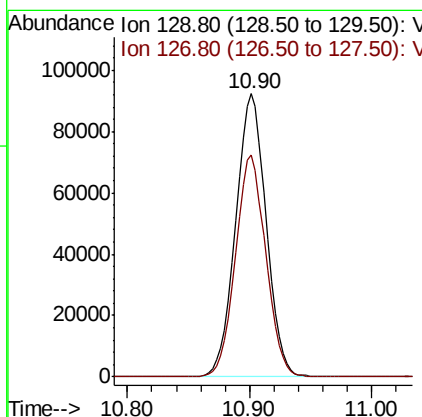
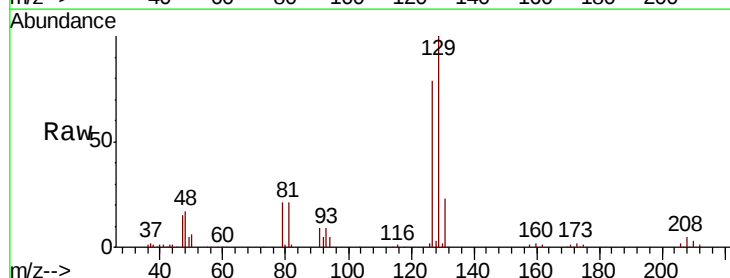
Manual Integrations
APPROVED

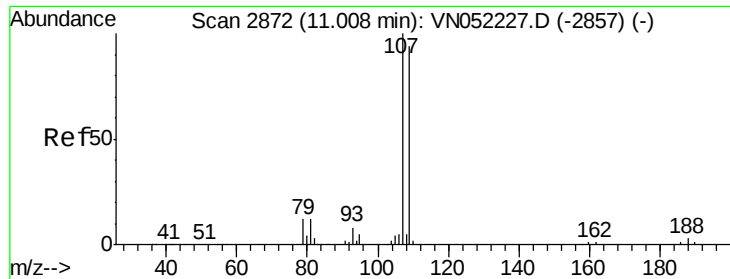
MMDadoda
11/12/2018 9:18:55 AM



#60
Dibromochloromethane
Concen: 51.532 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 129 Resp: 159116
Ion Ratio Lower Upper
129 100
127 78.2 38.0 114.1





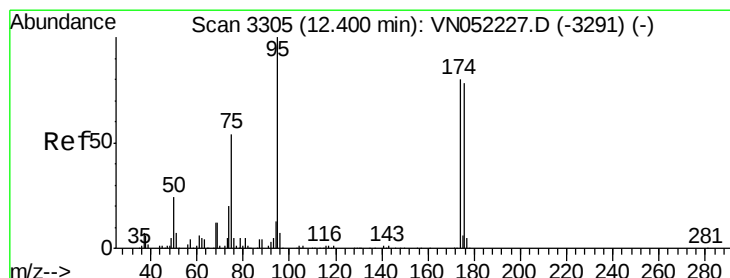
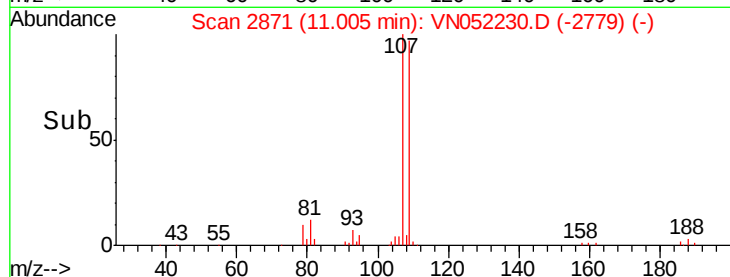
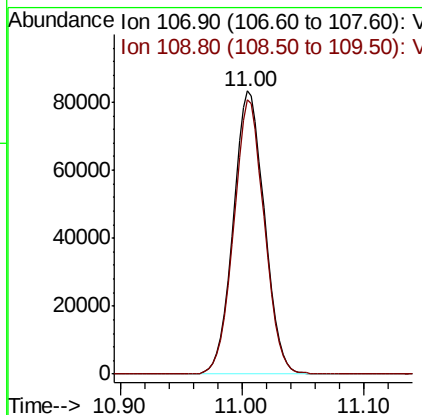
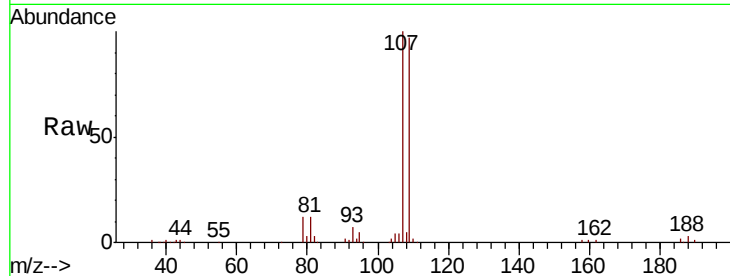
#61
 1,2-Dibromoethane
 Concen: 49.208 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.8	113.6

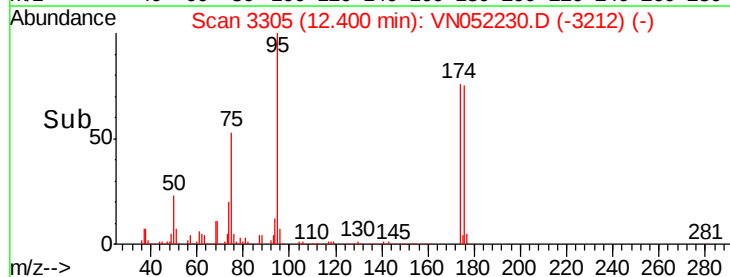
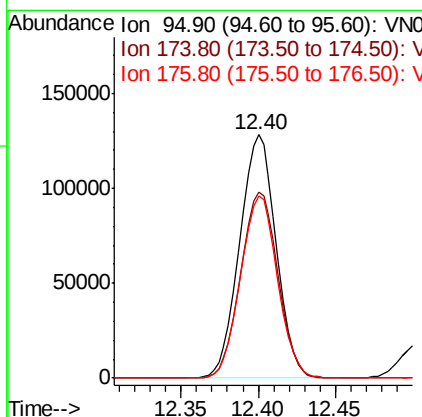
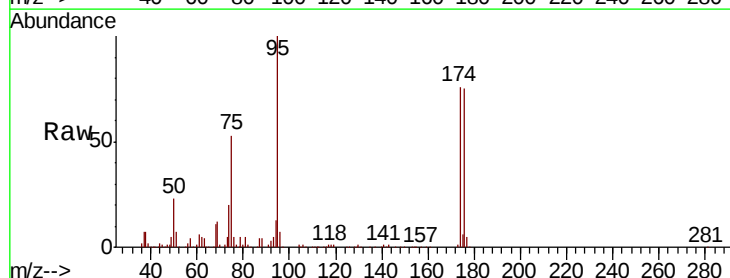
Manual Integrations
 APPROVED

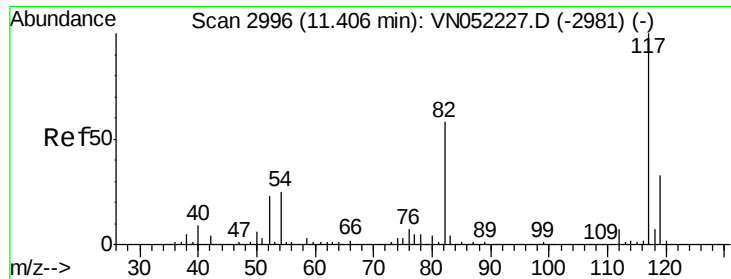
MMDadoda
 11/12/2018 9:18:55 AM



#62
 4-Bromofluorobenzene
 Concen: 49.208 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	159.4
176	76.1	0.0	157.8





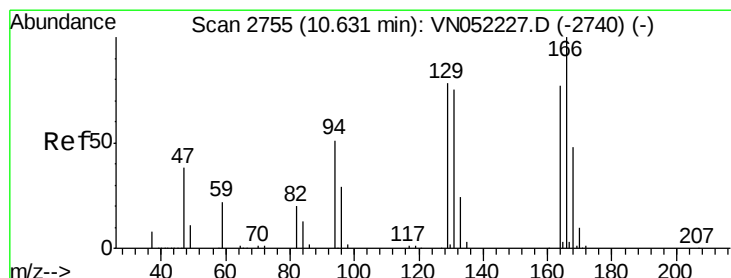
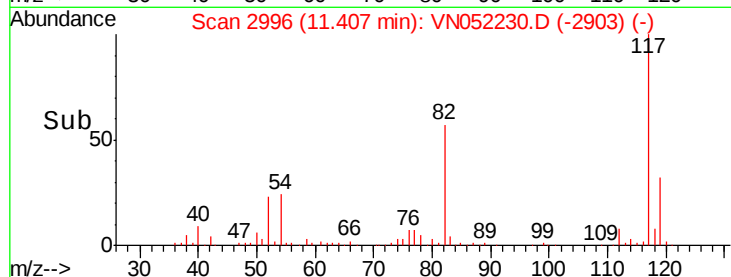
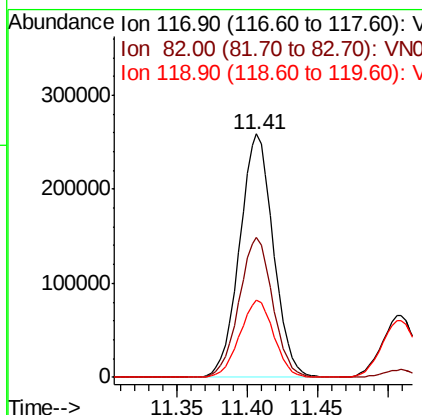
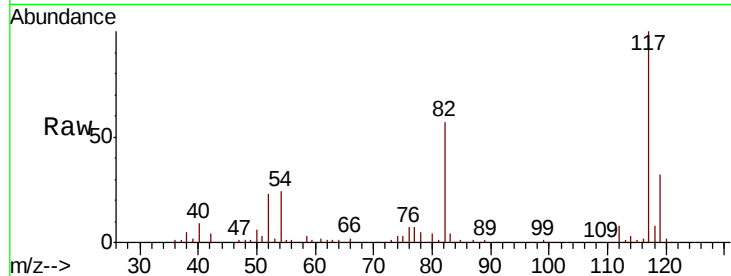
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.2	69.2
119	31.6	26.2	39.4

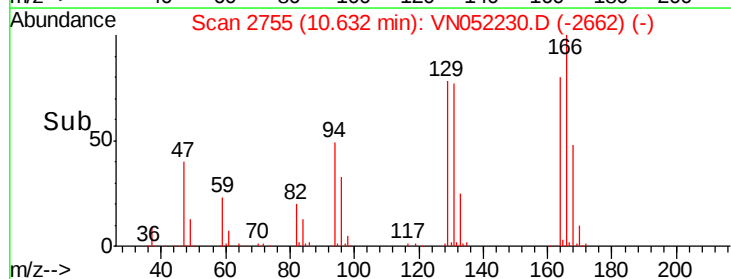
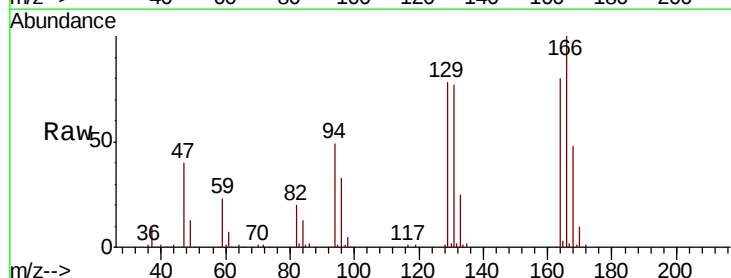
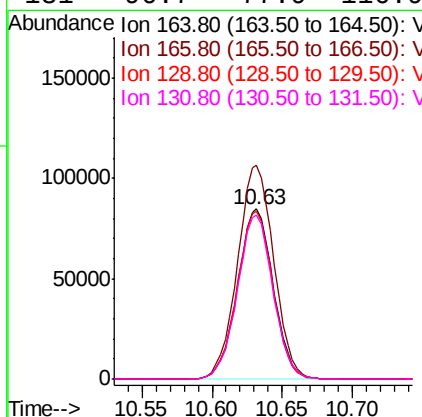
Manual Integrations
APPROVED

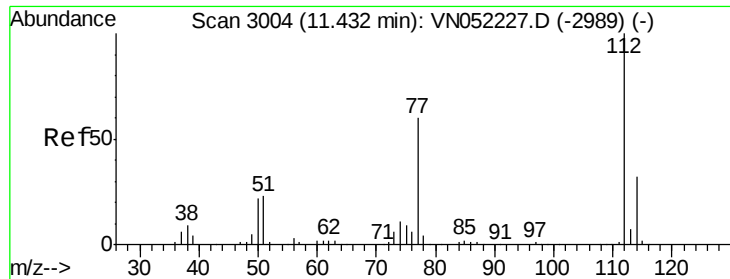
MMDadoda
11/12/2018 9:18:55 AM



#64
Tetrachloroethene
Concen: 49.634 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.6	155.4
129	98.4	81.0	121.6
131	96.7	77.9	116.9





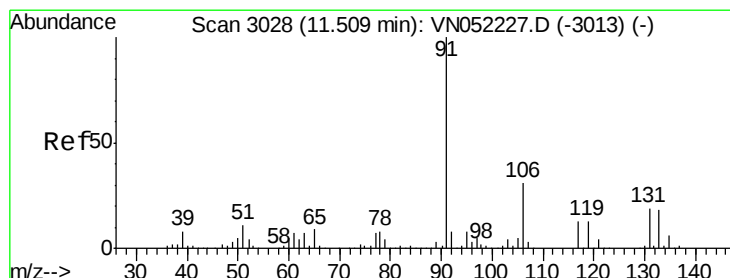
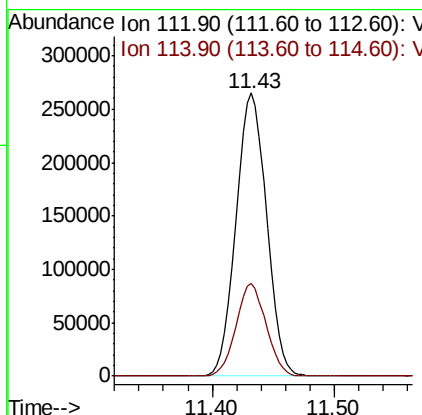
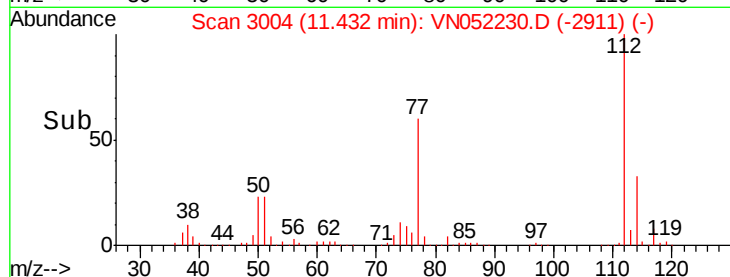
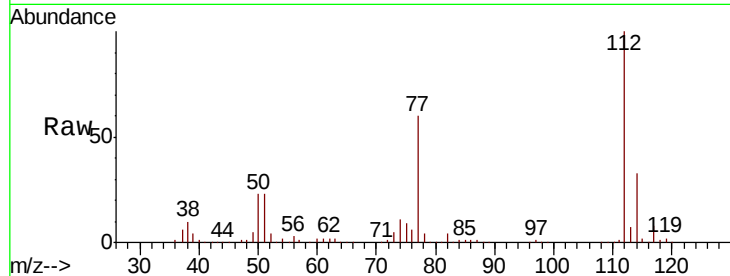
#65
Chlorobenzene
Concen: 50.031 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion:112 Resp: 459244
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5

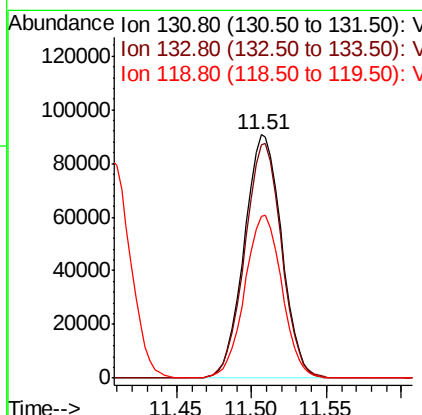
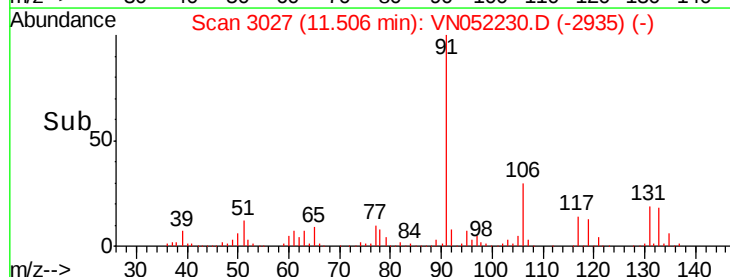
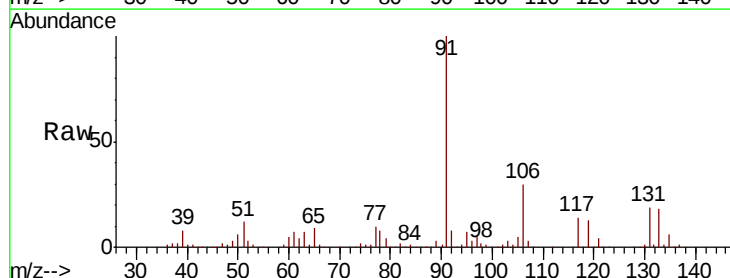
Manual Integrations
APPROVED

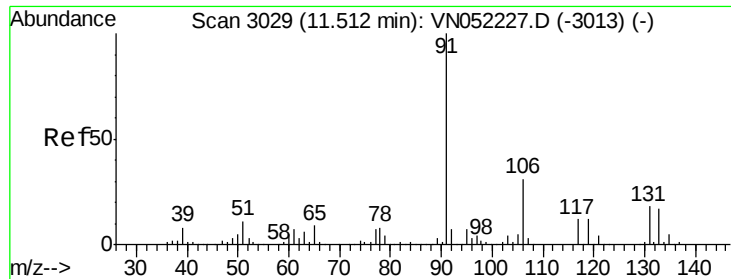
MMDadoda
11/12/2018 9:18:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.727 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion:131 Resp: 157728
Ion Ratio Lower Upper
131 100
133 95.4 48.3 144.9
119 66.6 34.6 103.9





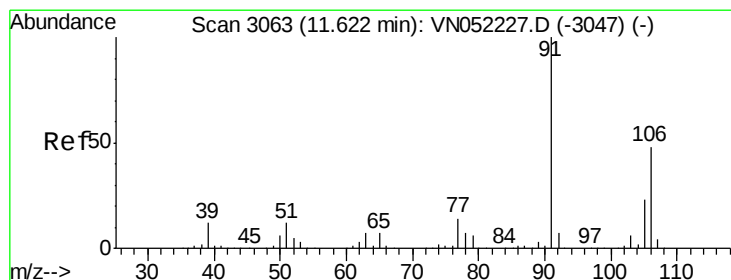
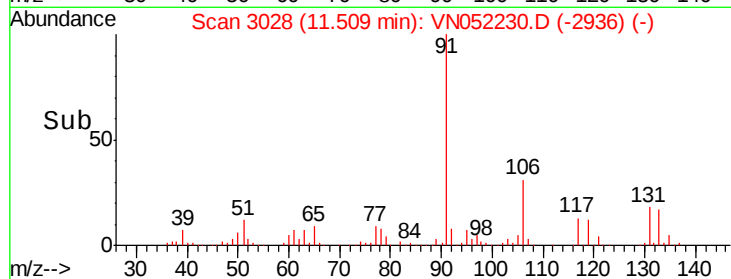
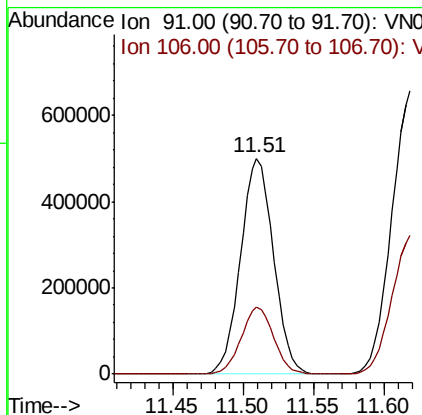
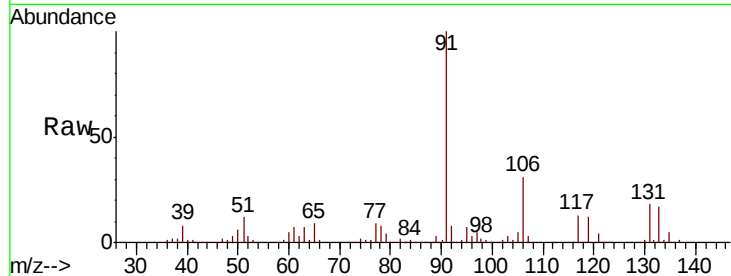
#67
Ethyl Benzene
Concen: 50.732 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion: 91 Resp: 819100
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

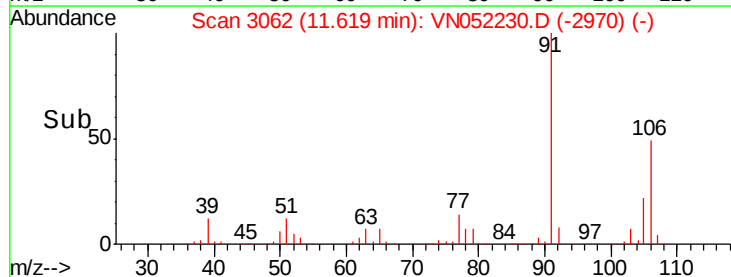
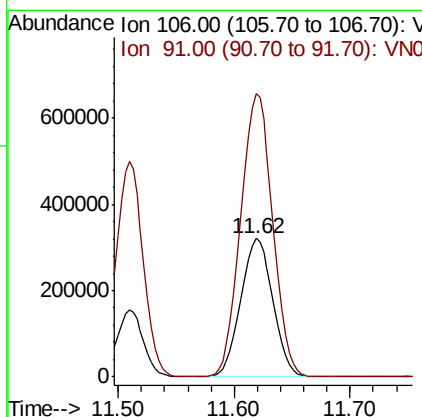
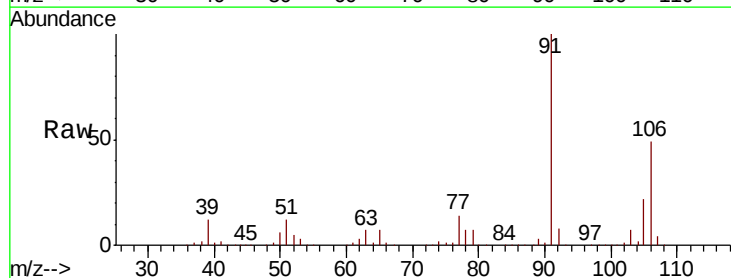
Manual Integrations
APPROVED

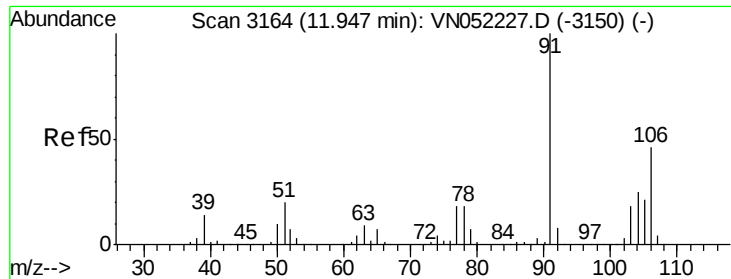
MMDadoda
11/12/2018 9:18:55 AM



#68
m/p-Xylenes
Concen: 102.457 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 106 Resp: 616058
Ion Ratio Lower Upper
106 100
91 204.3 165.7 248.5





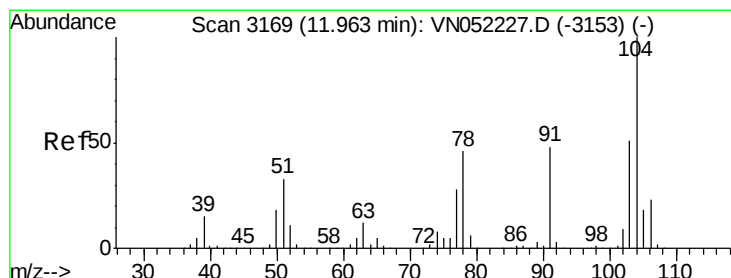
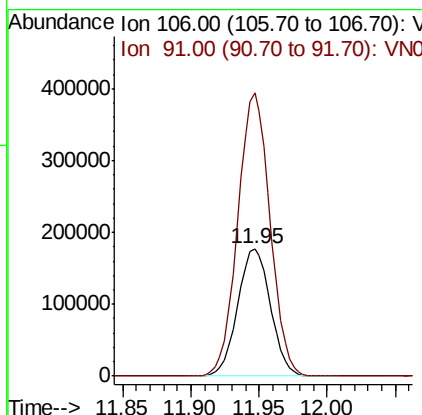
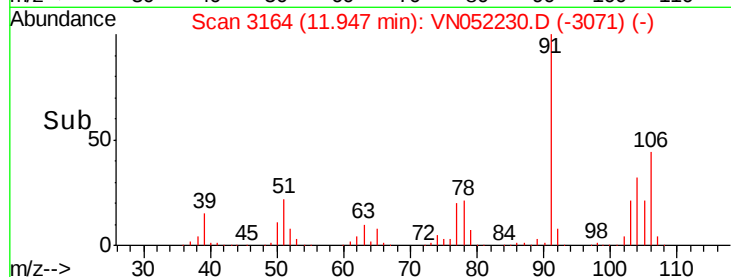
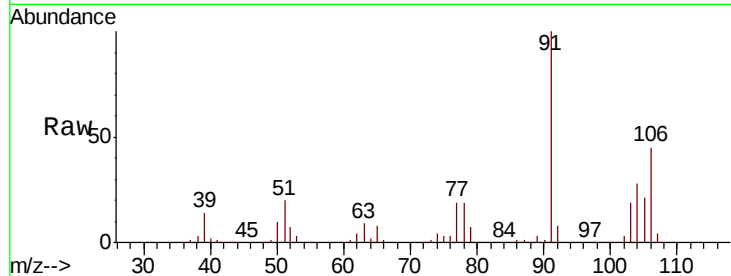
#69
o-Xylene
Concen: 51.640 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion:106 Resp: 296649
Ion Ratio Lower Upper
106 100
91 218.1 108.5 325.5

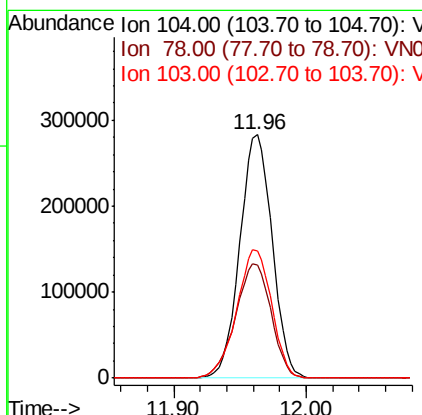
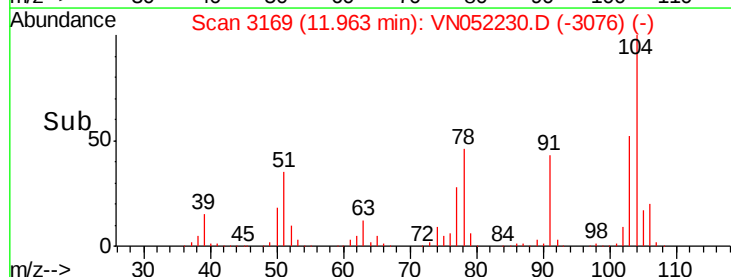
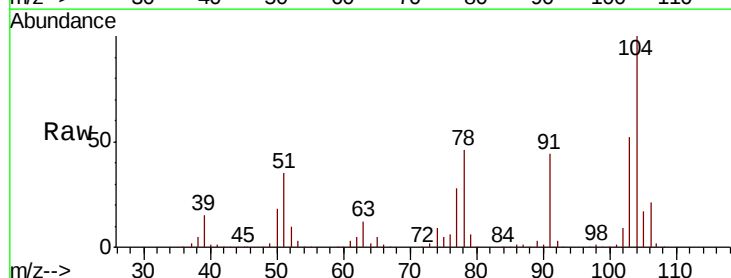
Manual Integrations
APPROVED

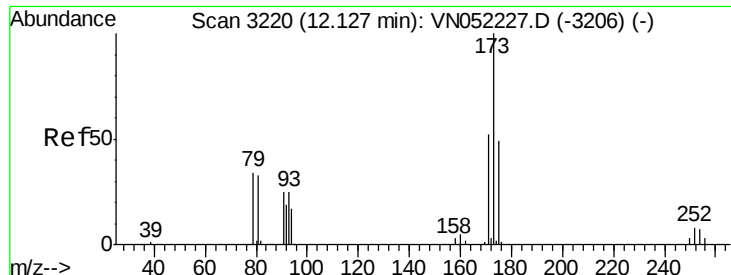
MMDadoda
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#70
Styrene
Concen: 51.798 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion:104 Resp: 480739
Ion Ratio Lower Upper
104 100
78 51.8 41.8 62.6
103 57.0 44.9 67.3





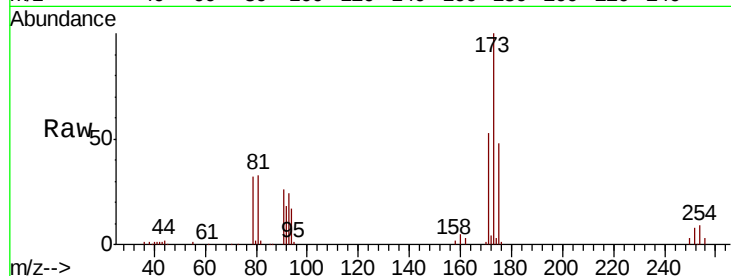
#71
Bromoform
Concen: 51.173 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

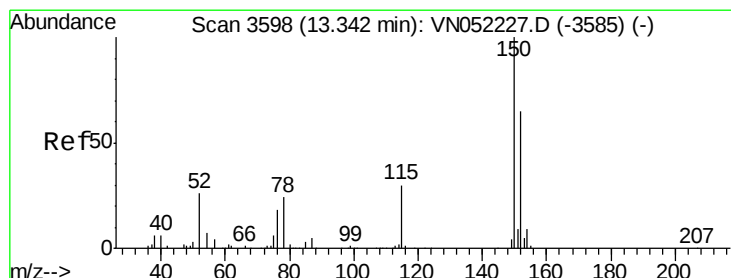
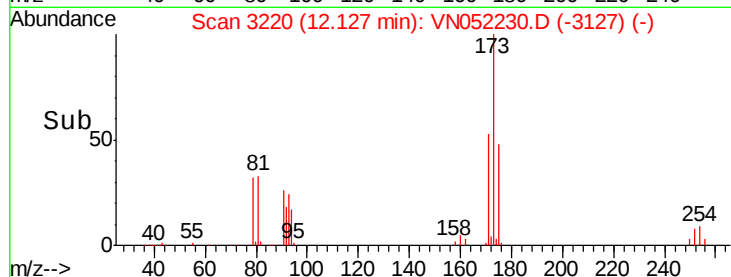
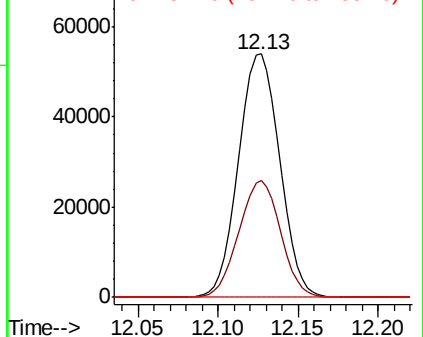
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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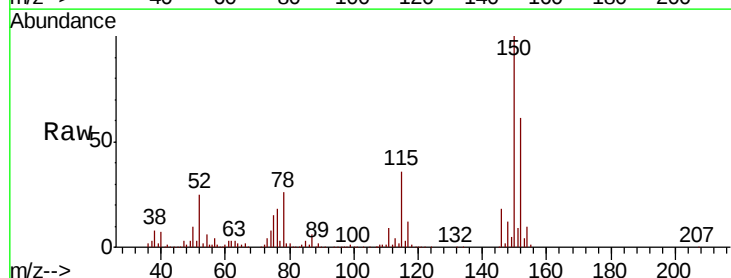


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

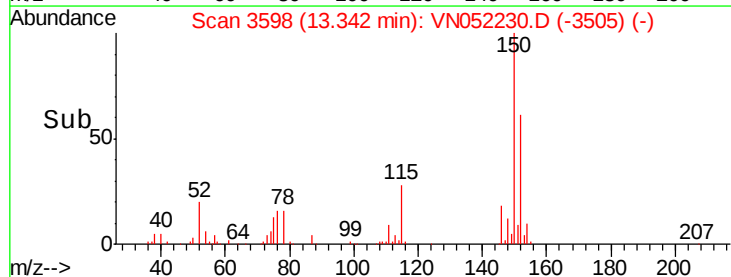
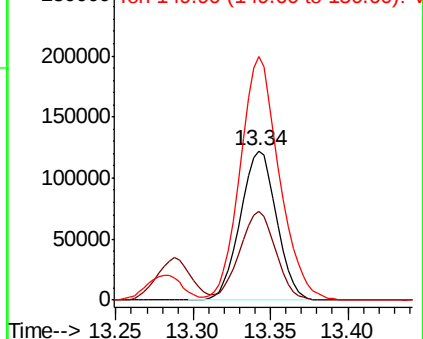


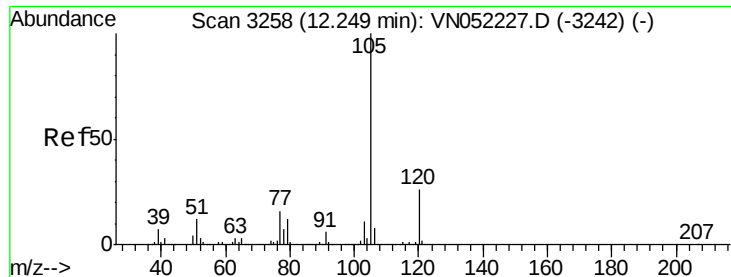
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.8	89.5
150	175.5	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





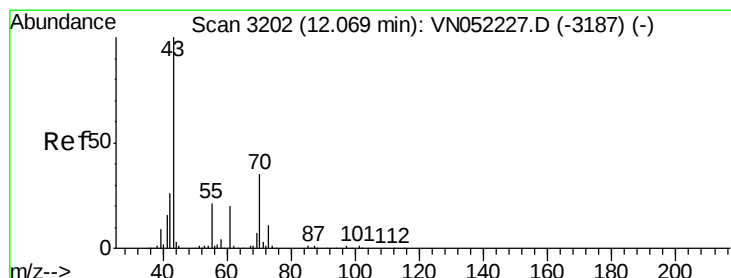
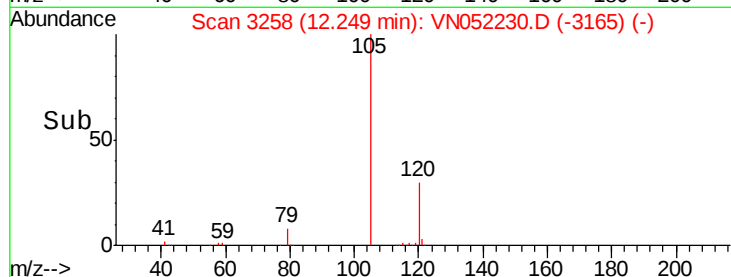
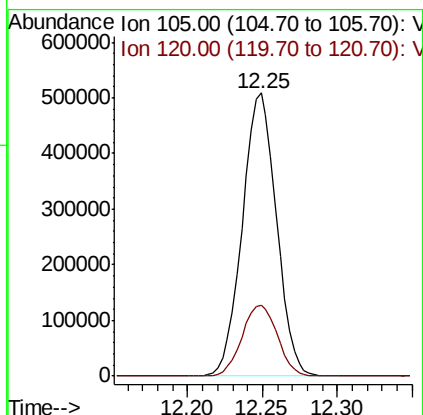
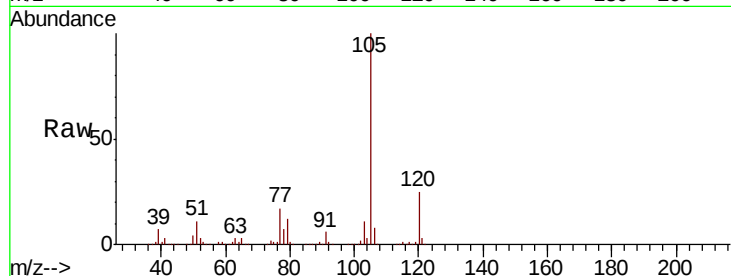
#73
Isopropylbenzene
Concen: 49.497 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.1

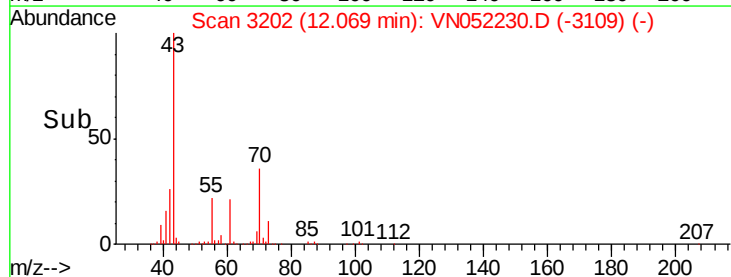
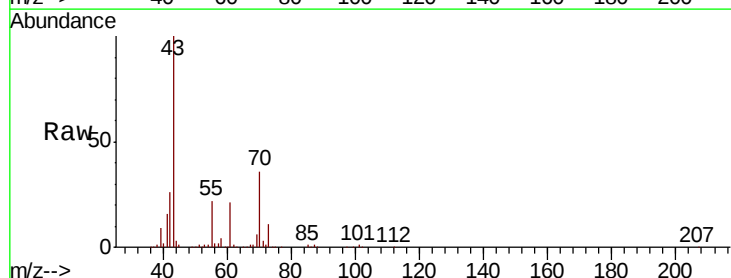
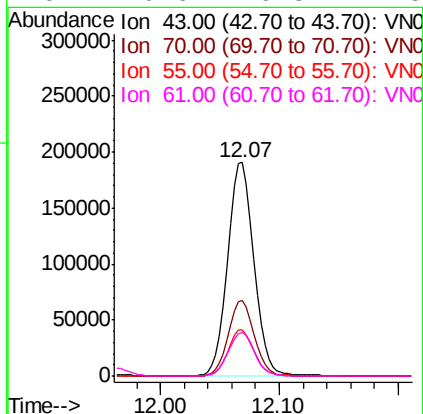
Manual Integrations
APPROVED

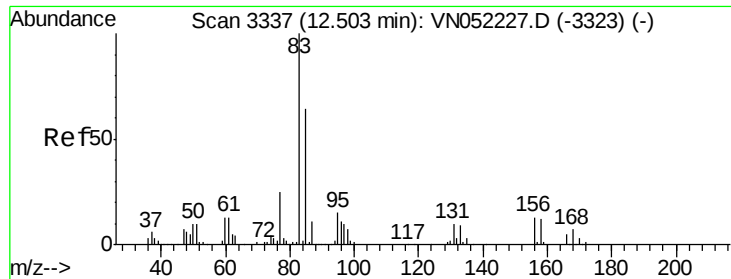
MMDadoda
11/12/2018 9:18:55 AM



#74
N-ethyl acetate
Concen: 49.338 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.1	28.2	42.2
55	21.6	17.4	26.2
61	20.6	16.3	24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 44.898 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

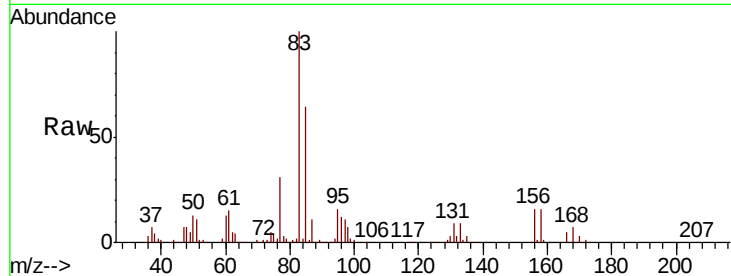
ClientSampleId :

ICVVN110918

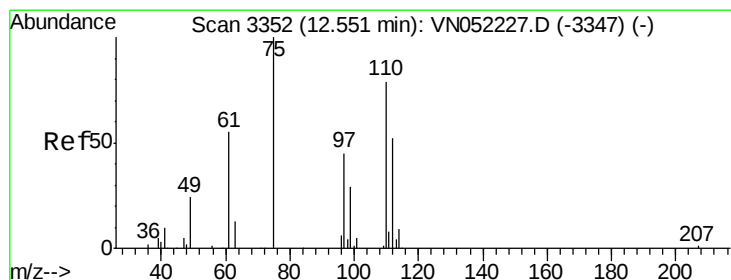
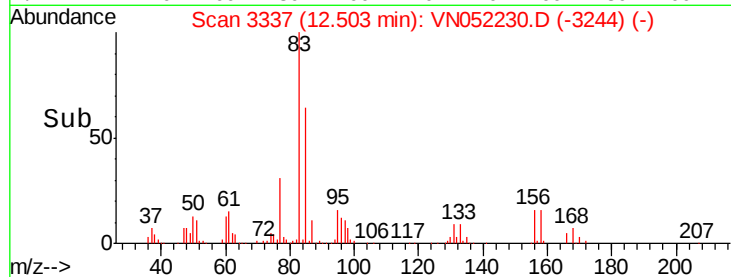
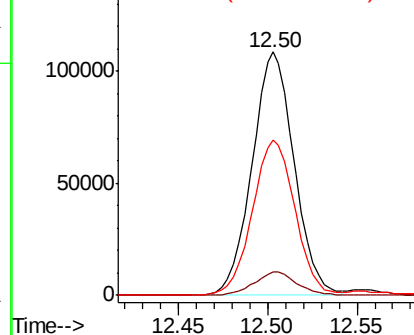
Tot Ion:	83	Resp:	179193
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.2
85	64.4	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 45.795 ug/l m

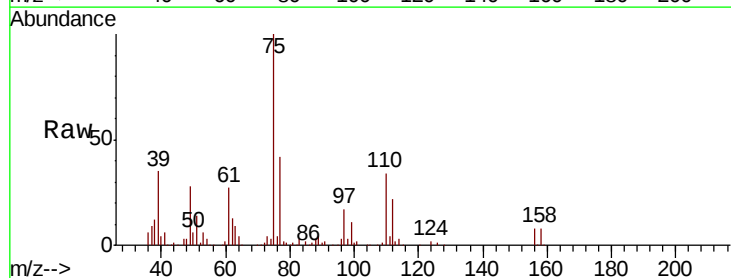
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

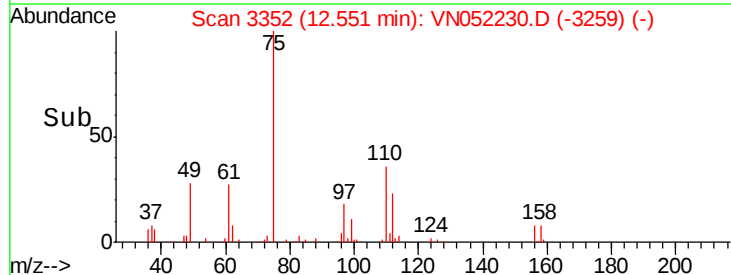
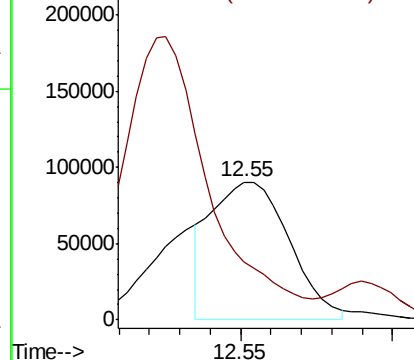
Lab File: VN052230.D

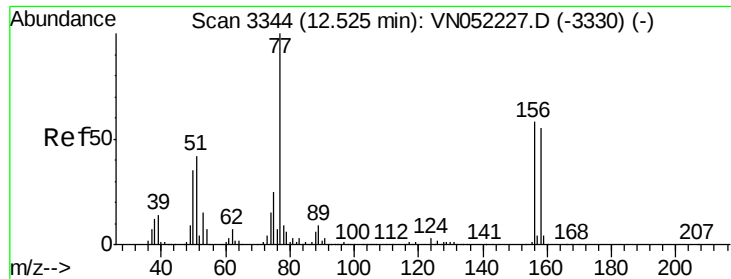
Acq: 9 Nov 2018 16:28

Tgt Ion:	75	Resp:	161362
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 48.894 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

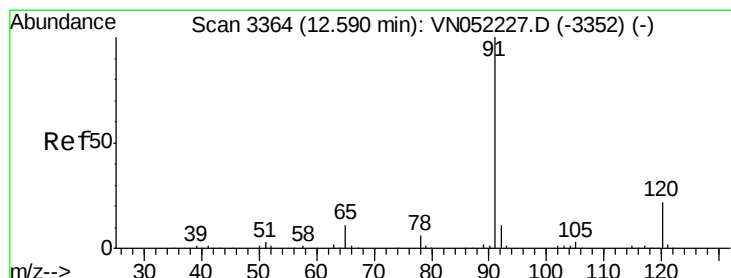
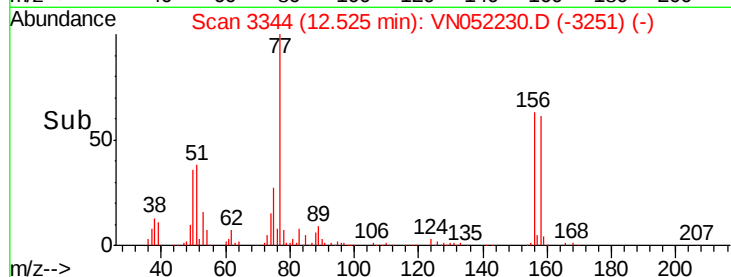
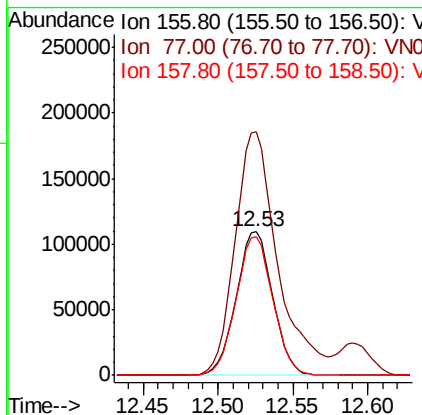
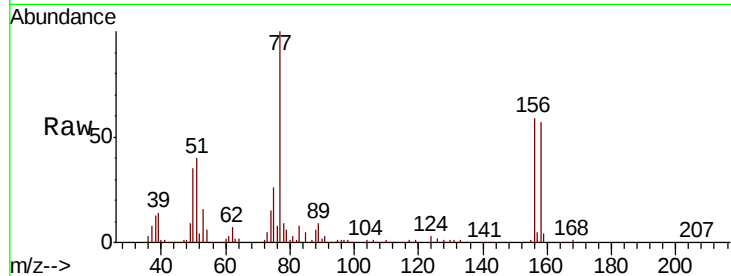
ClientSampleId :

ICVVN110918

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	198.3	101.1	303.3	
158	97.0	47.8	143.3	

Manual Integrations
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MMDadoda
11/12/2018 9:18:55 AM



#78

n-propylbenzene

Concen: 50.851 ug/l

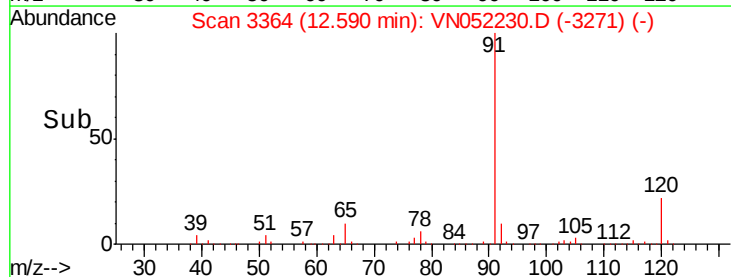
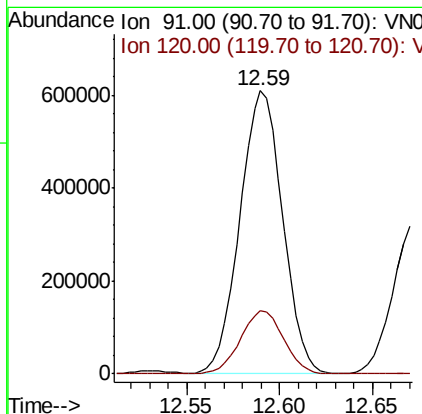
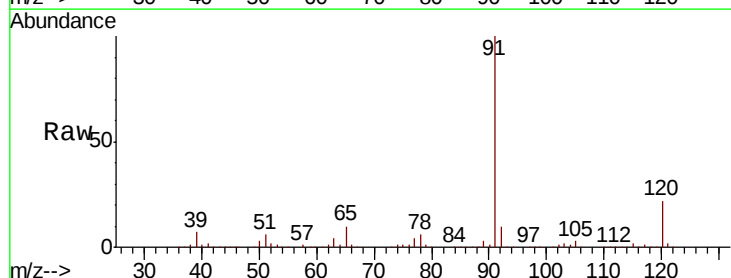
RT: 12.59 min Scan# 3364

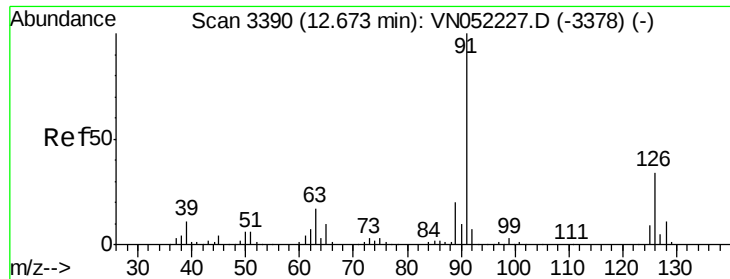
Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.3	33.8	





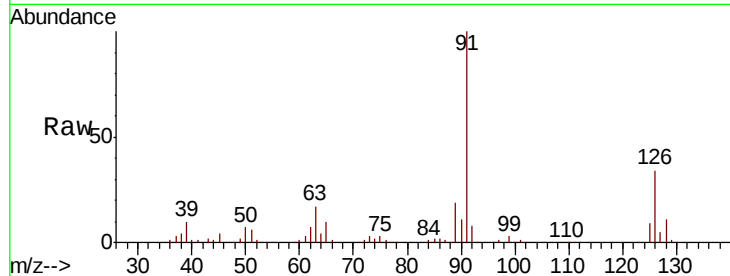
#79
2-Chlorotoluene
Concen: 49.098 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

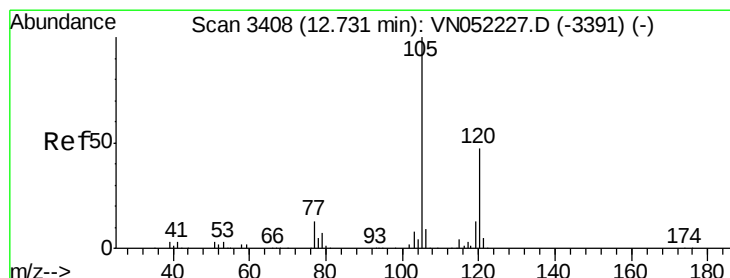
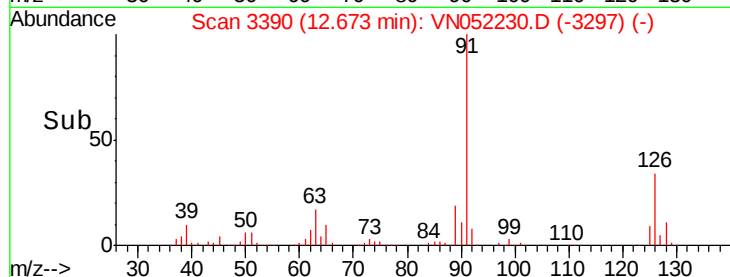
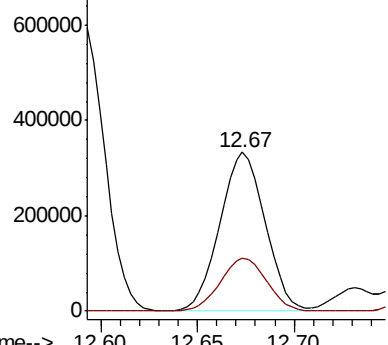
Tot Ion: 91 Resp: 542337
Ion Ratio Lower Upper
91 100
126 34.0 17.0 51.0

Manual Integrations
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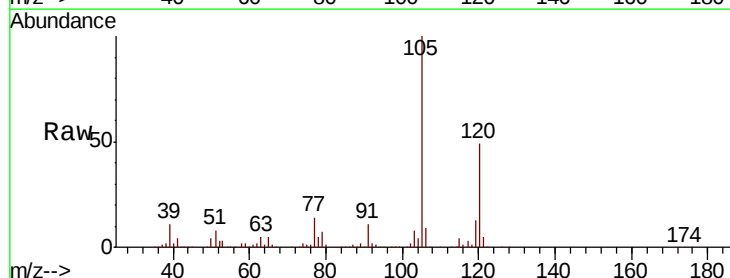


Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)
Ion 125.90 (125.60 to 126.60): VN052227.D (-3378) (-)

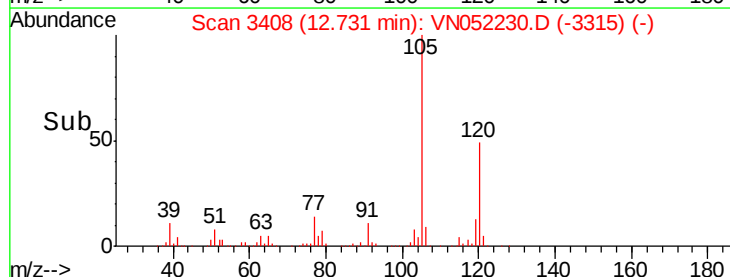
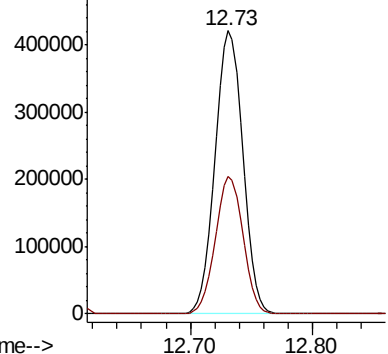


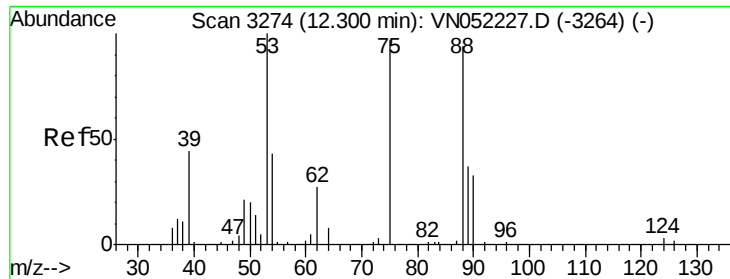
#80
1,3,5-Trimethylbenzene
Concen: 50.926 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 105 Resp: 659347
Ion Ratio Lower Upper
105 100
120 48.2 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) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.436 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

Tot Ion: 75 Resp: 53095

Ion Ratio Lower Upper

75 100

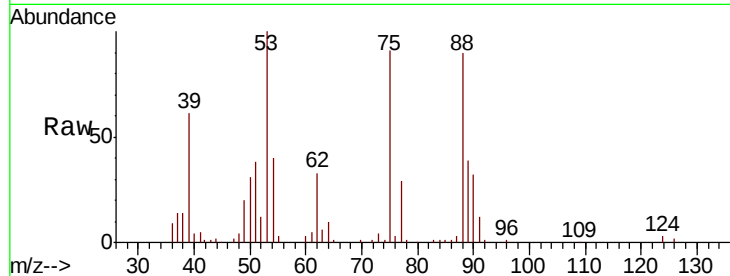
53 107.2 84.0 126.0

89 41.8 33.7 50.5

Manual Integrations
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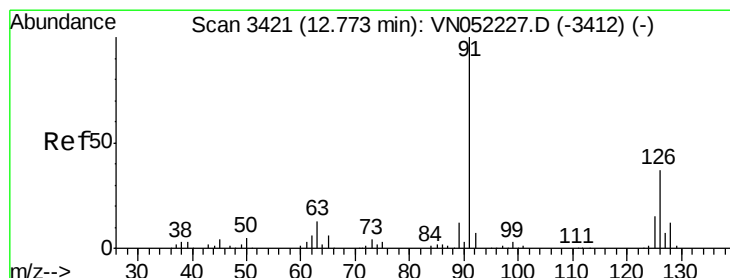
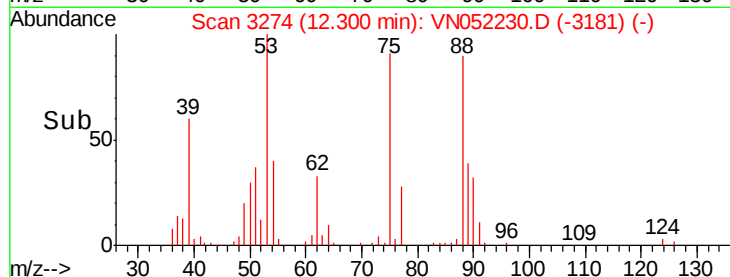
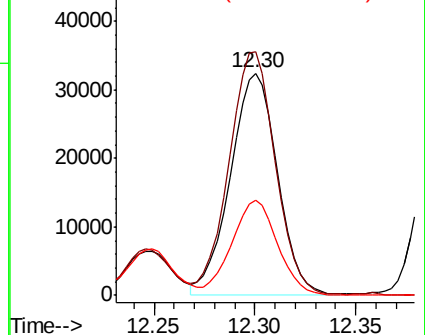
11/12/2018 9:18:55 AM



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052227.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052227.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 50.421 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052230.D

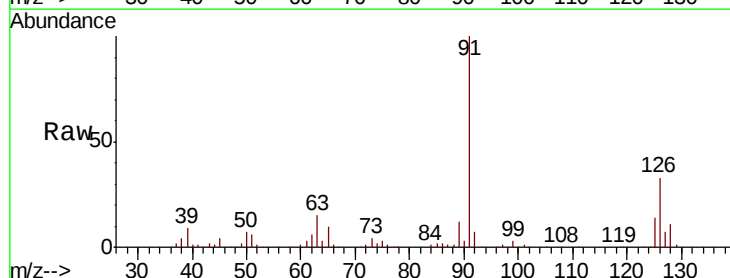
Acq: 9 Nov 2018 16:28

Tgt Ion: 91 Resp: 558844

Ion Ratio Lower Upper

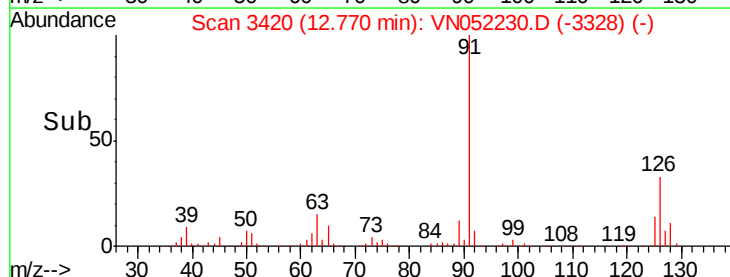
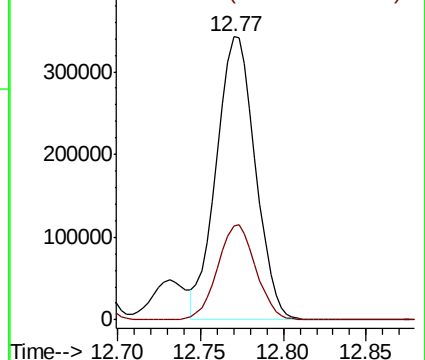
91 100

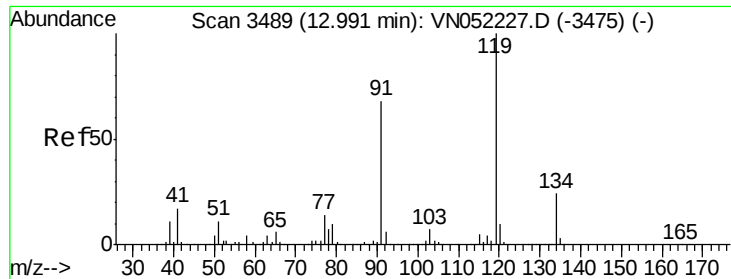
126 32.8 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3412) (-)





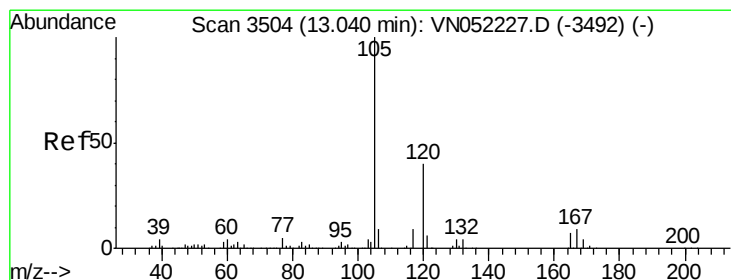
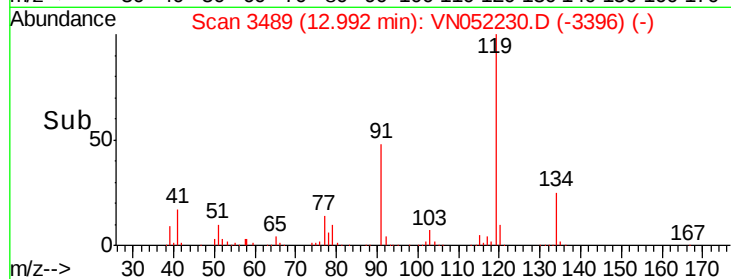
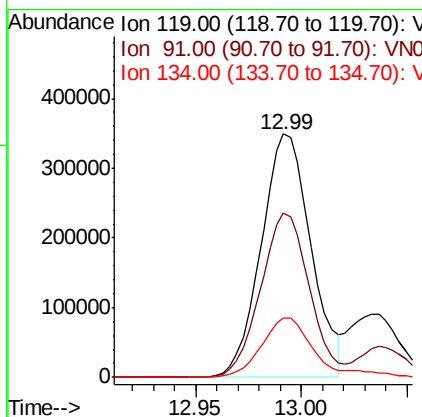
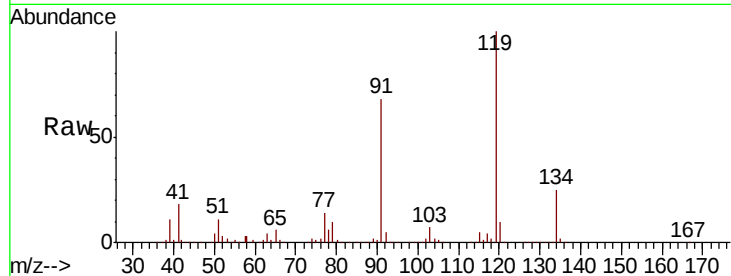
#83
tert-Butylbenzene
Concen: 50.665 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVFN110918

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.5	100.4
134	26.0	13.0	38.9

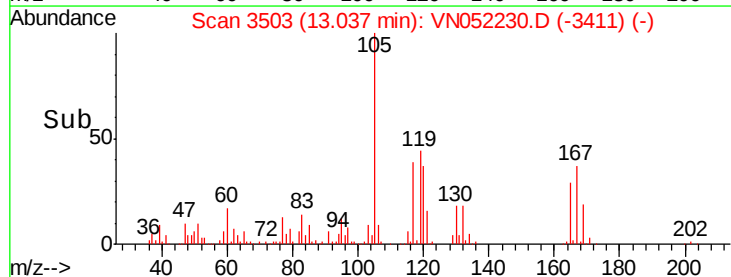
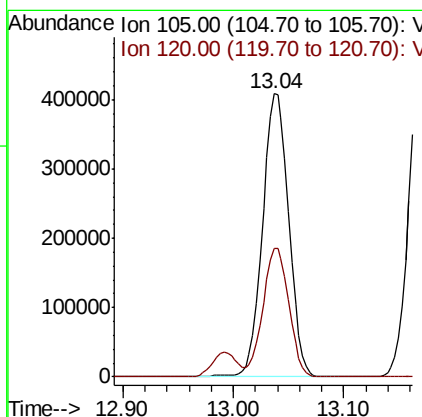
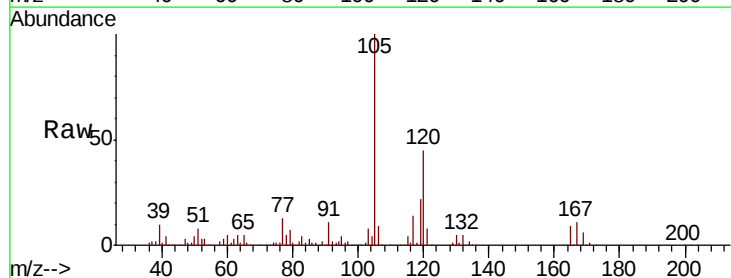
Manual Integrations
APPROVED

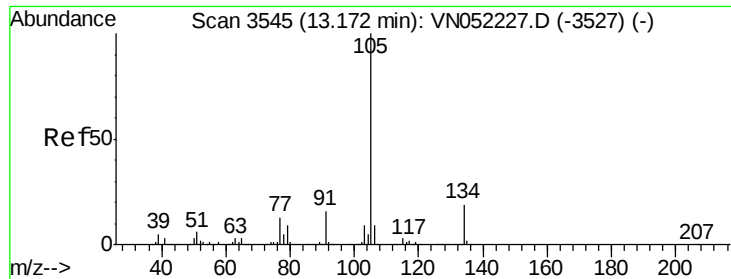
MMDadoda
11/12/2018 9:18:55 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.455 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.7	68.1





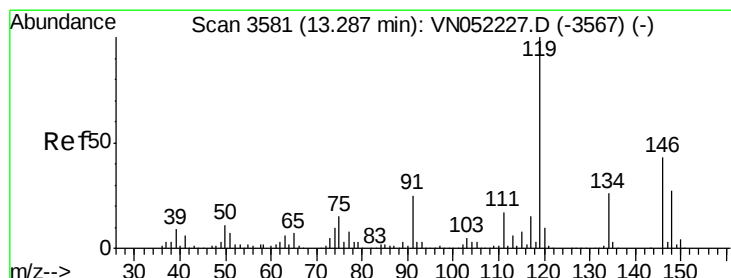
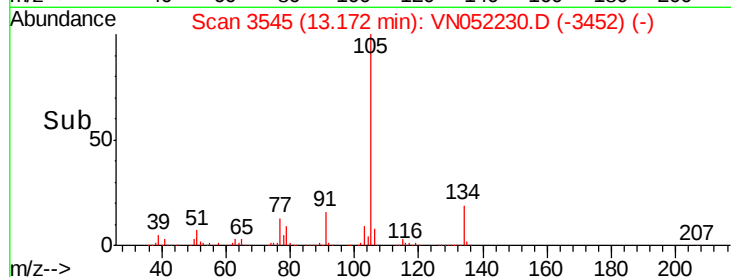
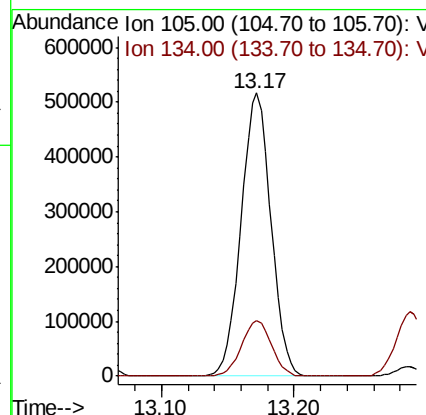
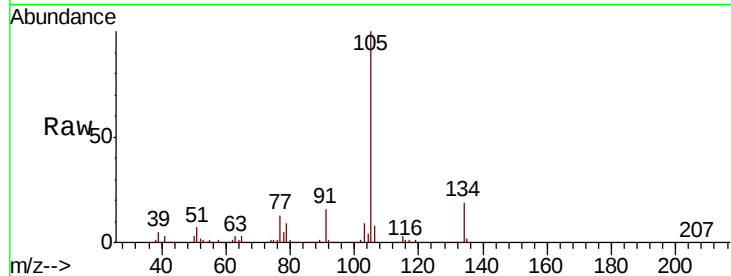
#85
 sec-Butylbenzene
 Concen: 52.000 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	28.9

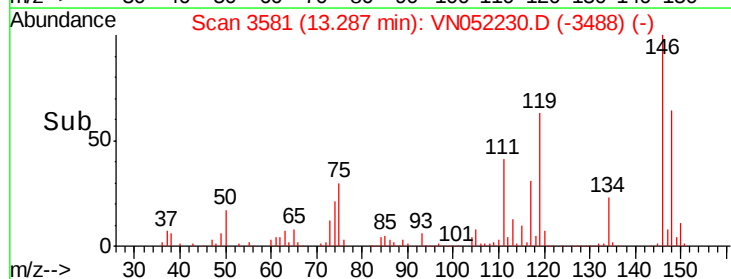
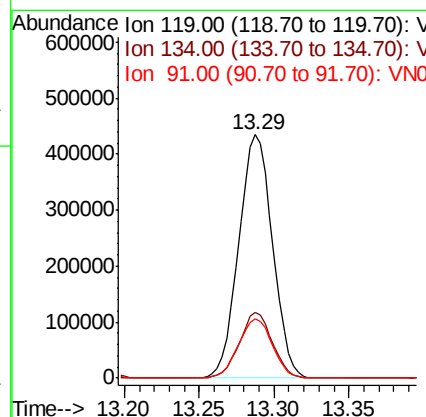
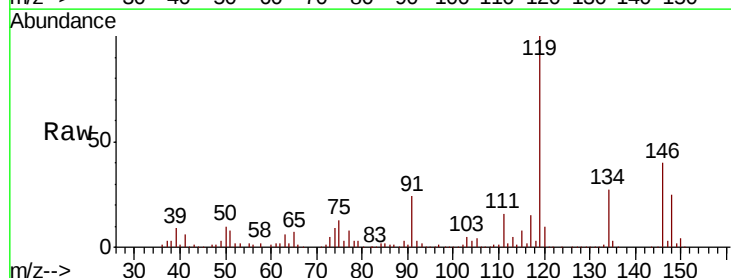
Manual Integrations
 APPROVED

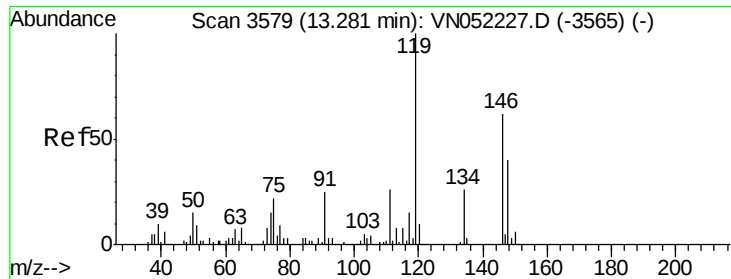
MMDadoda
 11/12/2018 9:18:55 AM



#86
 p-Isopropyltoluene
 Concen: 52.494 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.6
91	24.4	12.4	37.0





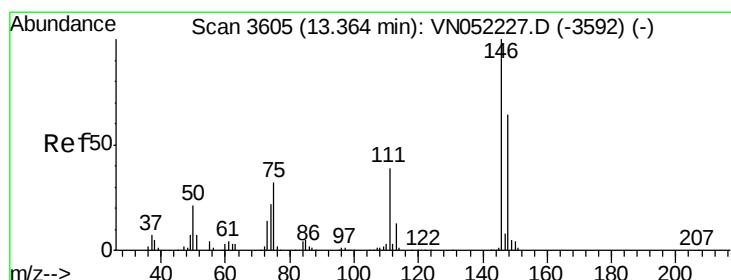
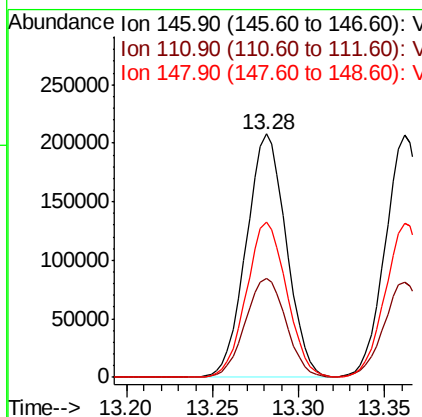
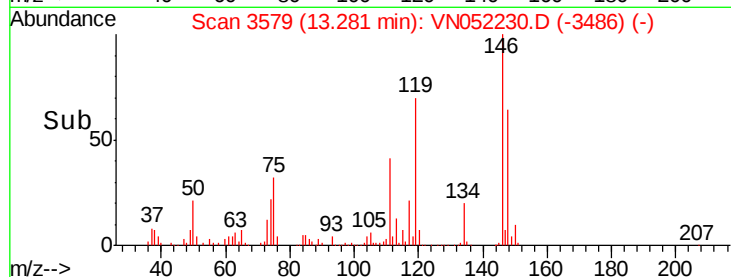
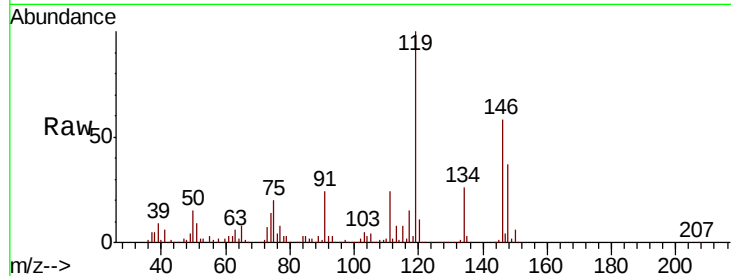
#87
 1,3-Dichlorobenzene
 Concen: 50.601 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.3
148	64.1	31.6	94.7

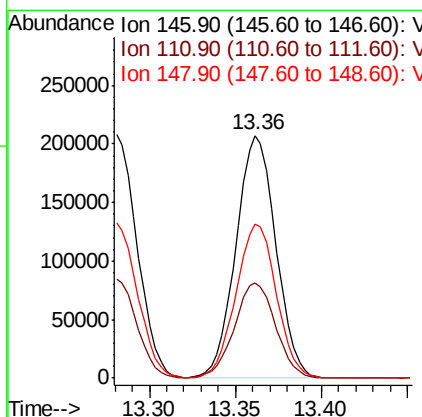
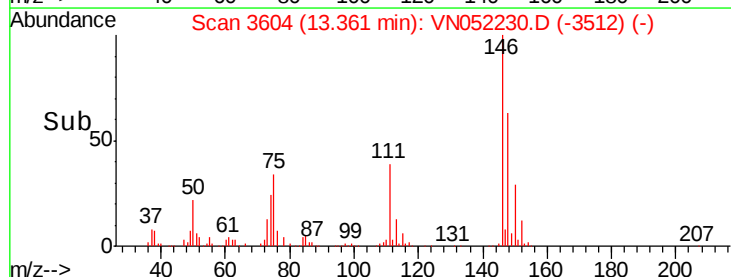
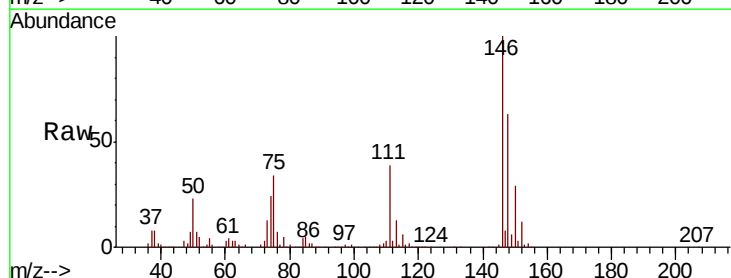
Manual Integrations
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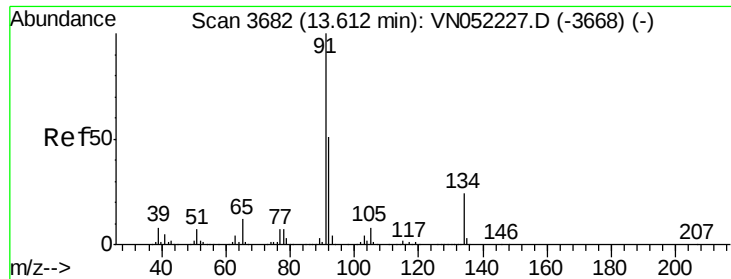
MMDadoda
 11/12/2018 9:18:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.245 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	64.3	32.1	96.3





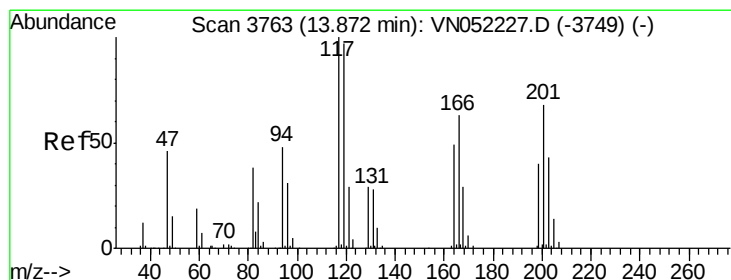
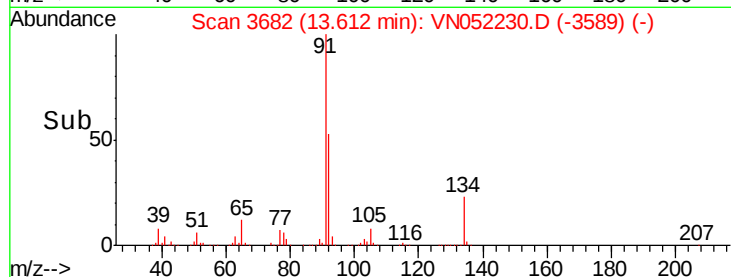
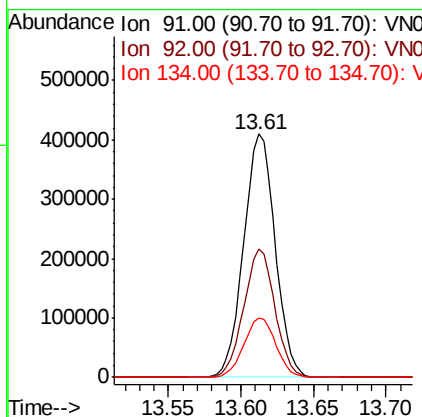
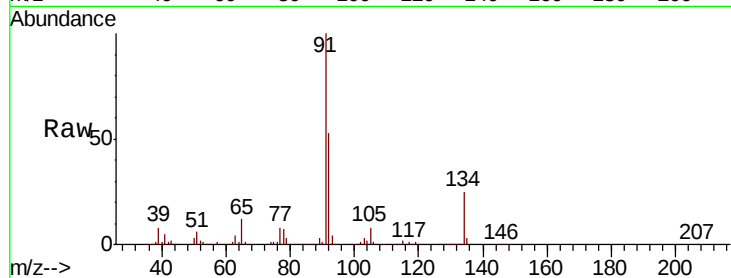
#89
n-Butylbenzene
Concen: 53.681 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.1	75.3
134	24.7	12.0	36.1

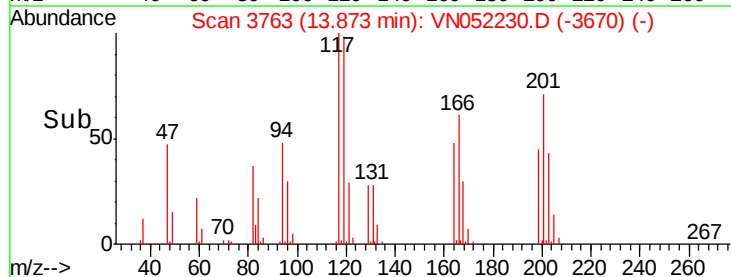
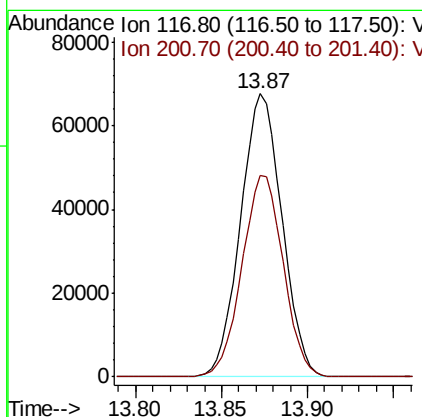
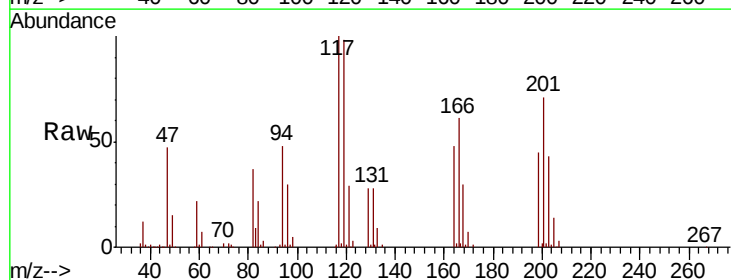
Manual Integrations
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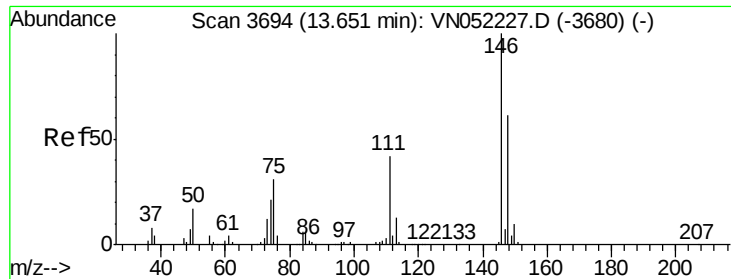
MMDadoda
11/12/2018 9:18:55 AM



#90
Hexachloroethane
Concen: 49.668 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.6	103.9





#91

1,2-Dichlorobenzene

Concen: 49.224 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

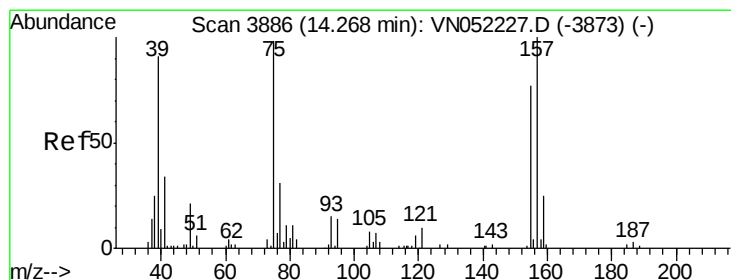
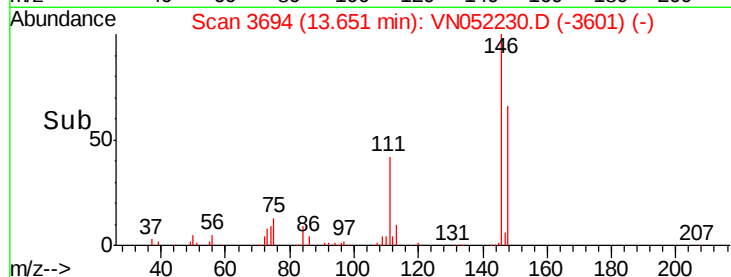
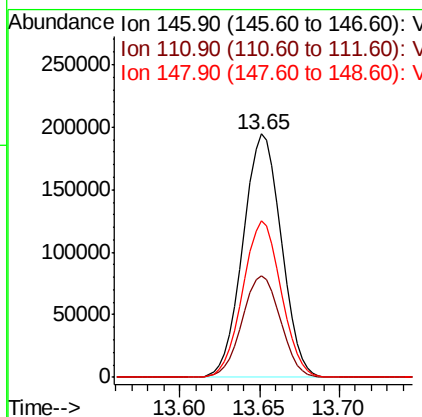
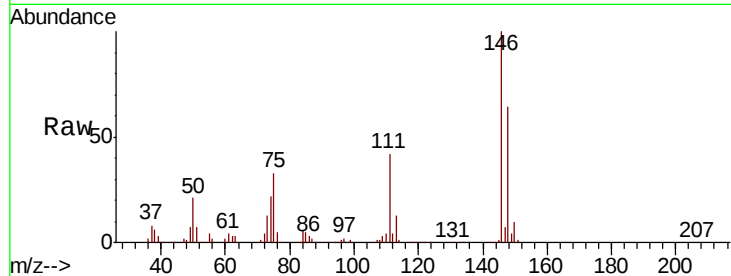
ClientSampleId :

ICVVN110918

Tot Ion:	146	Resp:	318687
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.1	63.3
148	64.2	31.3	93.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.768 ug/l

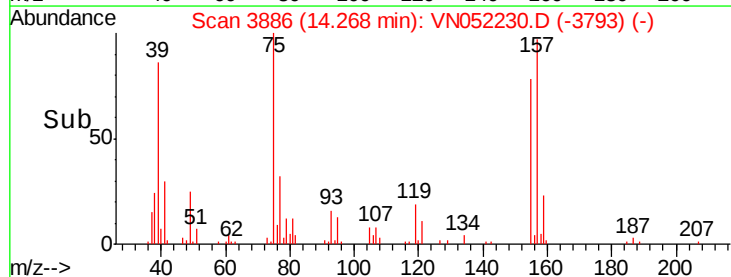
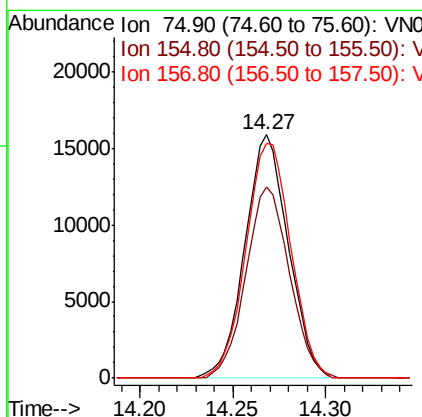
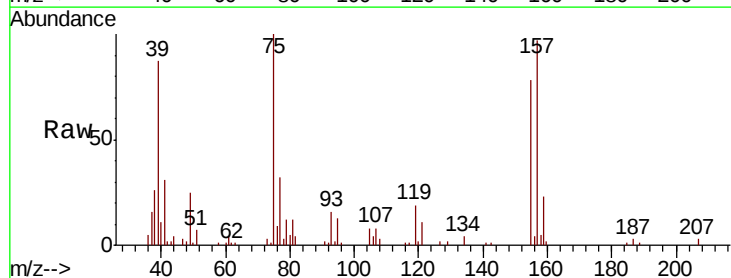
RT: 14.27 min Scan# 3886

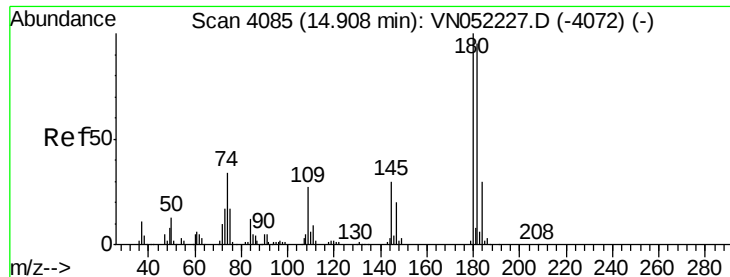
Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Tgt Ion:	75	Resp:	25969
Ion Ratio	Lower	Upper	
75	100		
155	79.0	40.2	120.5
157	100.2	51.7	155.2





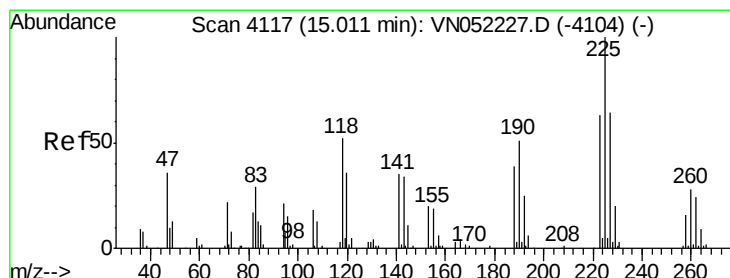
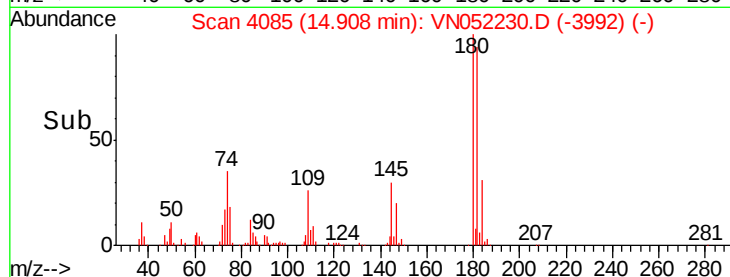
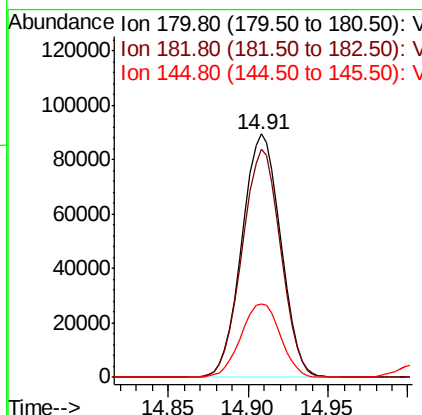
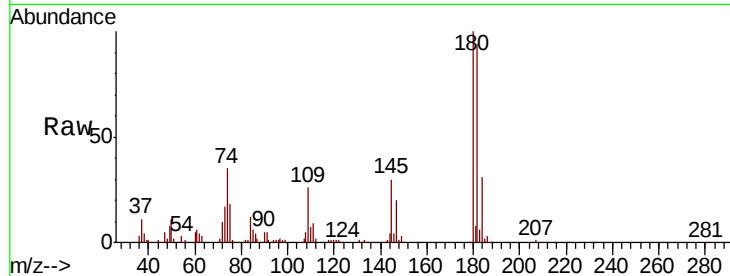
#93
 1,2,4-Trichlorobenzene
 Concen: 57.651 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147591		
182	93.8	47.3	142.0	
145	30.8	15.6	46.8	

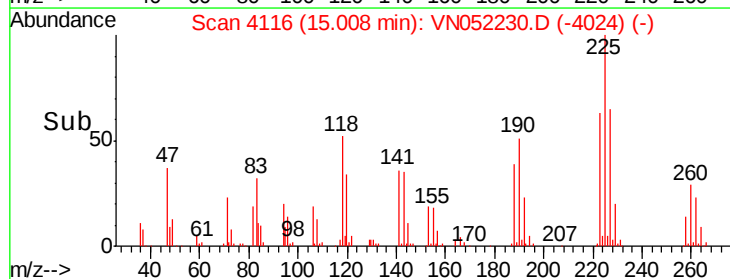
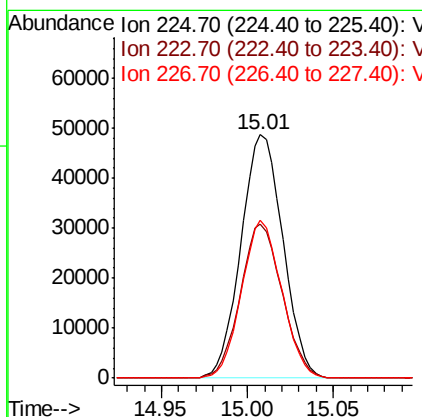
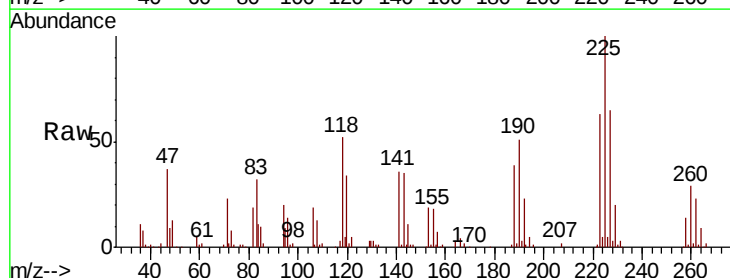
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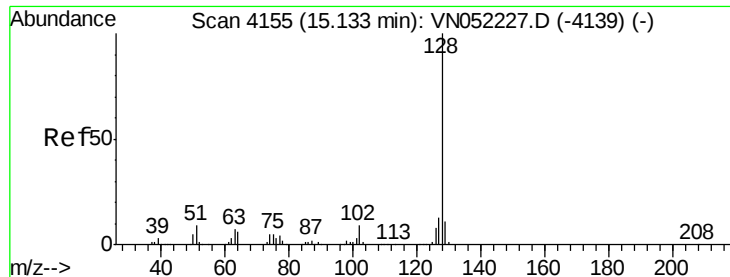
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#94
 Hexachlorobutadiene
 Concen: 59.357 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82573		
223	62.8	32.1	96.3	
227	61.6	31.8	95.4	





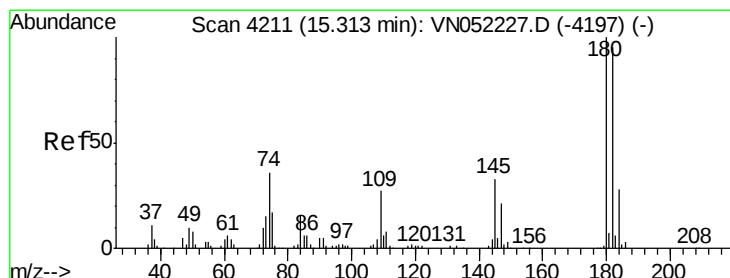
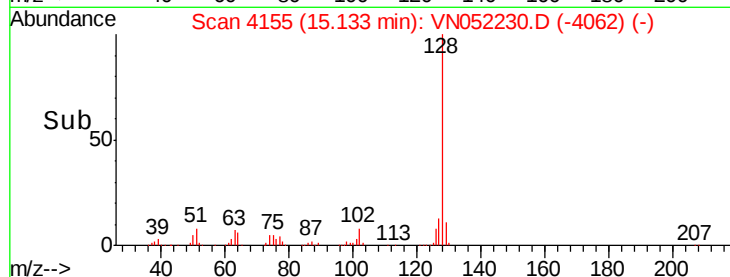
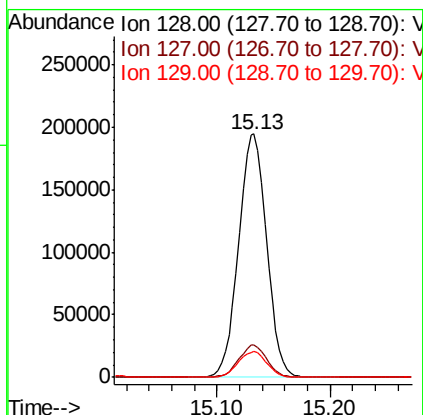
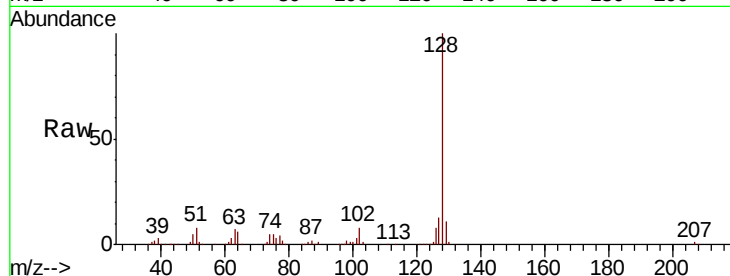
#95
Naphthalene
Concen: 53.310 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.0	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 53.605 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.7	143.1
145	32.6	16.8	50.3

