

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052251.D
 Acq On : 12 Nov 2018 9:37
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 2:54:18 PM

Quant Time: Nov 13 00:29:15 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	327670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	537989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	484941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224858	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	205386	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	7.59	113	171608	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.09	98	665723	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.40	95	223415	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	180208	50.588	ug/l	97
3) Chloromethane	2.06	50	233547	46.958	ug/l	100
4) Vinyl Chloride	2.19	62	200157	48.303	ug/l	99
5) Bromomethane	2.57	94	120881	45.978	ug/l	93
6) Chloroethane	2.71	64	110897	45.067	ug/l	97
7) Trichlorofluoromethane	3.02	101	279991	48.539	ug/l	99
8) Diethyl Ether	3.41	74	101104	44.553	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	177318	47.913	ug/l	98
10) Methyl Iodide	3.96	142	229138	47.720	ug/l	100
11) Tert butyl alcohol	4.77	59	50732	220.858	ug/l	99
12) 1,1-Dichloroethene	3.74	96	158074	46.145	ug/l	97
13) Acrolein	3.60	56	70071	203.856	ug/l	97
14) Allyl chloride	4.33	41	333576	46.511	ug/l	97
15) Acrylonitrile	4.99	53	301847	213.802	ug/l	99
16) Acetone	3.81	43	301504	270.024	ug/l	100
17) Carbon Disulfide	4.06	76	498540	50.169	ug/l	99
18) Methyl Acetate	4.32	43	149023	39.798	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	445325	45.502	ug/l	99
20) Methylene Chloride	4.55	84	186781	45.722	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	175315	47.089	ug/l	98
22) Diisopropyl ether	5.95	45	675790	47.004	ug/l	97
23) Vinyl Acetate	5.89	43	2288769	232.000	ug/l	99
24) 1,1-Dichloroethane	5.85	63	352567	46.427	ug/l	100
25) 2-Butanone	6.83	43	403890	211.279	ug/l	100
26) 2,2-Dichloropropane	6.82	77	278586	50.228	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	196909	47.249	ug/l	97
28) Bromochloromethane	7.19	49	170120	45.337	ug/l	100
29) Tetrahydrofuran	7.21	42	245666	197.462	ug/l	99
30) Chloroform	7.37	83	338098	47.044	ug/l	99
31) Cyclohexane	7.65	56	346347	49.297	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	285024	48.656	ug/l	99
36) 1,1-Dichloropropene	7.79	75	268408	49.429	ug/l	98
37) Ethyl Acetate	6.92	43	174654	42.763	ug/l	98
38) Carbon Tetrachloride	7.77	117	254925	51.804	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	329769	53.243	ug/l	99
40) Benzene	8.04	78	766454	49.298	ug/l	98
41) Methacrylonitrile	7.17	41	81748	34.446	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	252665	46.319	ug/l	99
43) Isopropyl Acetate	8.16	43	314945	44.240	ug/l	98
44) Trichloroethene	8.83	130	190582	48.918	ug/l	97
45) 1,2-Dichloropropane	9.12	63	212592	48.946	ug/l	98
46) Dibromomethane	9.21	93	118045	47.315	ug/l	99
47) Bromodichloromethane	9.40	83	257612	49.837	ug/l	98
48) Methyl methacrylate	9.20	41	162614	43.353	ug/l	99
49) 1,4-Dioxane	9.20	88	28448	943.446	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	844014	214.681	ug/l	100
52) Toluene	10.15	92	463526	49.424	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	265581	52.066	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	309510	51.401	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	157332	46.413	ug/l	98
56) Ethyl methacrylate	10.43	69	211244	46.109	ug/l	100
57) 1,3-Dichloropropane	10.71	76	282156	46.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	603227	237.792	ug/l	99
59) 2-Hexanone	10.75	43	621902	225.336	ug/l	100
60) Dibromochloromethane	10.90	129	180198	52.407	ug/l	100
61) 1,2-Dibromoethane	11.00	107	156220	46.892	ug/l	100
64) Tetrachloroethene	10.63	164	172198	50.717	ug/l	94
65) Chlorobenzene	11.43	112	500935	48.751	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	178281	51.220	ug/l	97
67) Ethyl Benzene	11.51	91	903161	49.970	ug/l	99
68) m/p-Xylenes	11.62	106	678301	100.773	ug/l	98
69) o-Xylene	11.95	106	325318	50.588	ug/l	99
70) Styrene	11.96	104	527987	50.819	ug/l	99
71) Bromoform	12.12	173	107603	51.820	ug/l #	99
73) Isopropylbenzene	12.25	105	884545	48.122	ug/l	100
74) N-amyl acetate	12.07	43	299123	44.825	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	187161	41.534	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	162284m	40.792	ug/l	
77) Bromobenzene	12.53	156	199996	46.482	ug/l	99
78) n-propylbenzene	12.59	91	1068262	49.621	ug/l	99
79) 2-Chlorotoluene	12.67	91	601633	48.240	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	721375	49.348	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57302	49.166	ug/l	99
82) 4-Chlorotoluene	12.77	91	608599	48.633	ug/l	100
83) tert-Butylbenzene	12.99	119	632064	49.526	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	731322	49.618	ug/l	99
85) sec-Butylbenzene	13.17	105	882423	50.420	ug/l	99
86) p-Isopropyltoluene	13.29	119	757783	51.755	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	368140	49.150	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	362966	48.405	ug/l	100
89) n-Butylbenzene	13.61	91	698105	53.545	ug/l	99
90) Hexachloroethane	13.87	117	132330	51.492	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	345161	47.219	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28521	44.520	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	157157	54.370	ug/l	98
94) Hexachlorobutadiene	15.01	225	82425	52.477	ug/l	99
95) Naphthalene	15.13	128	343276	48.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	138433	50.655	ug/l	98

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

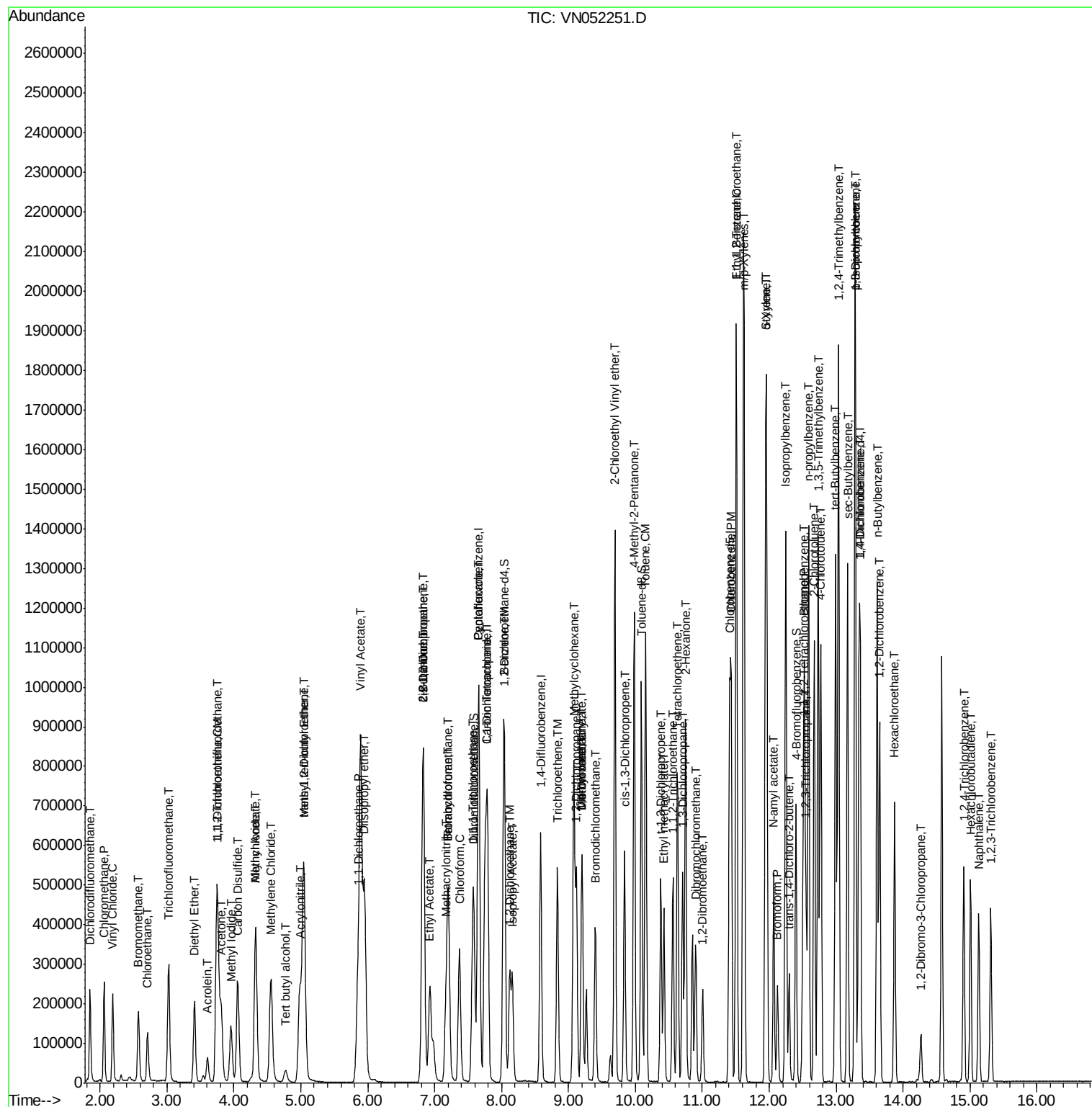
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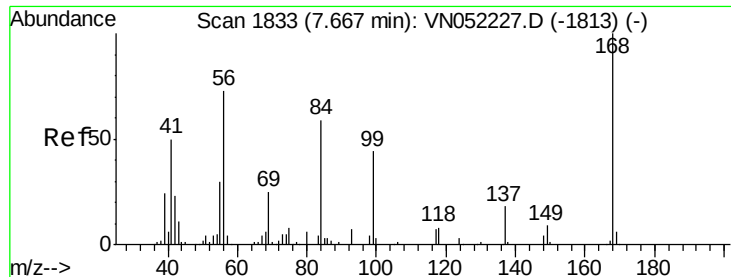
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 327670

Ion Ratio Lower Upper

168 100

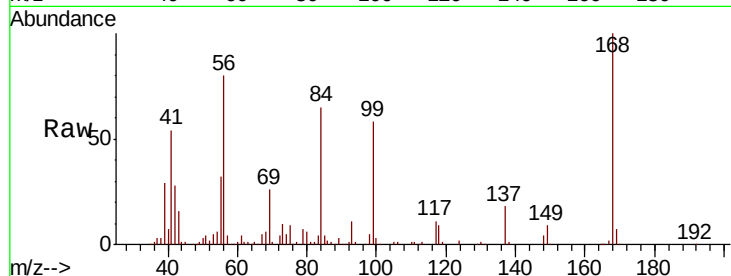
99 58.0 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

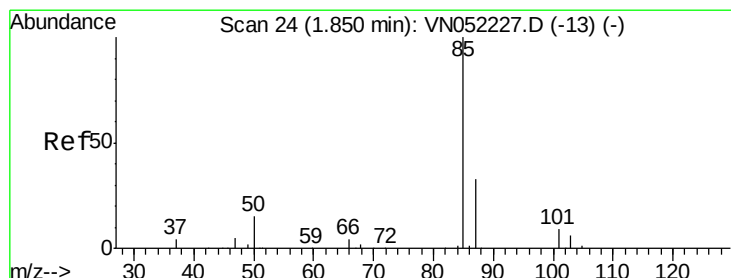
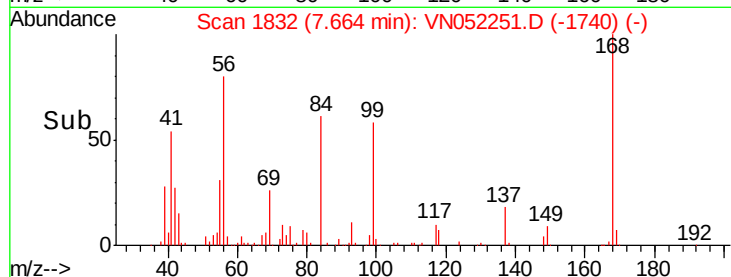
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.588 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052251.D

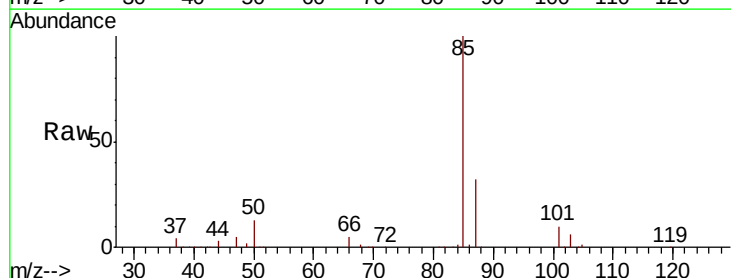
Acq: 12 Nov 2018 9:37

Tgt Ion: 85 Resp: 180208

Ion Ratio Lower Upper

85 100

87 31.6 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

150000

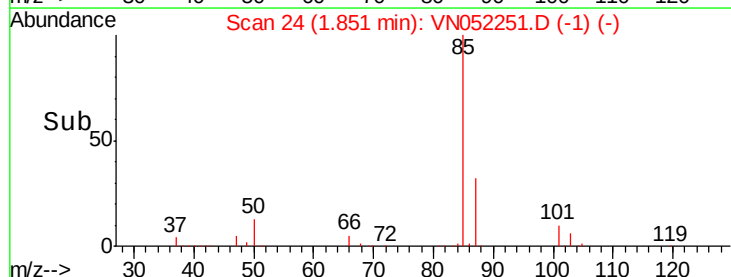
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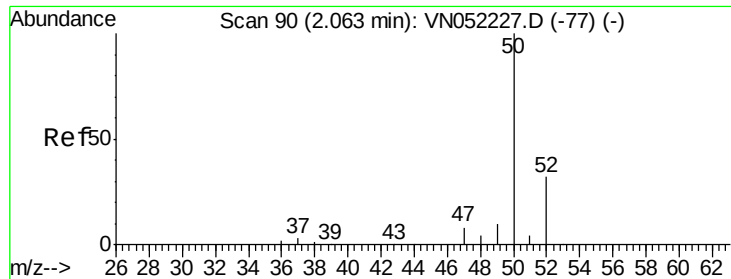
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.958 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 233547

Ion Ratio Lower Upper

50 100

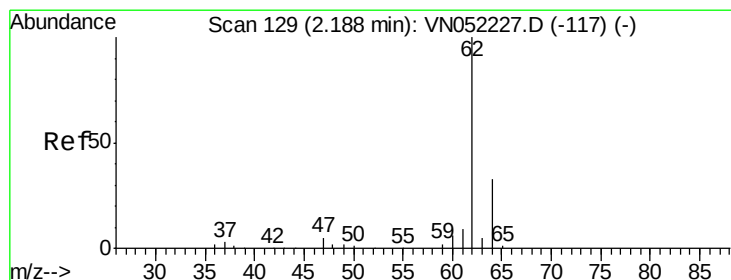
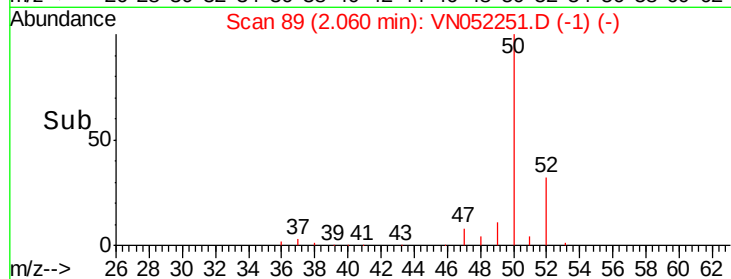
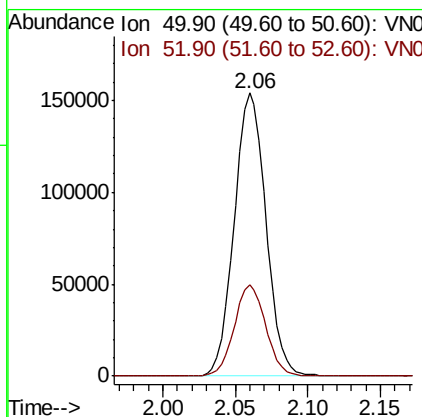
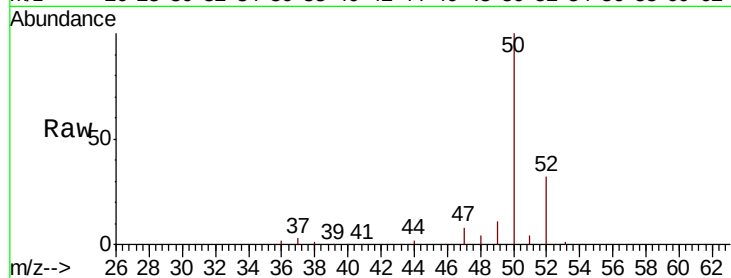
52 32.1 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.303 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052251.D

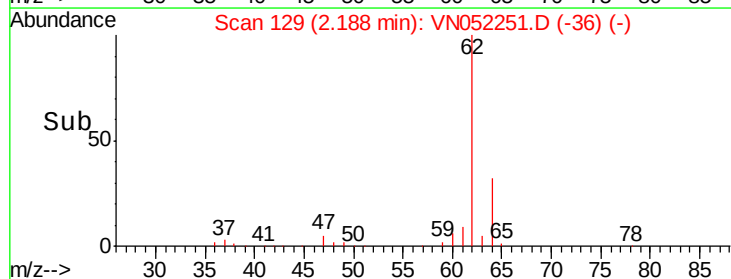
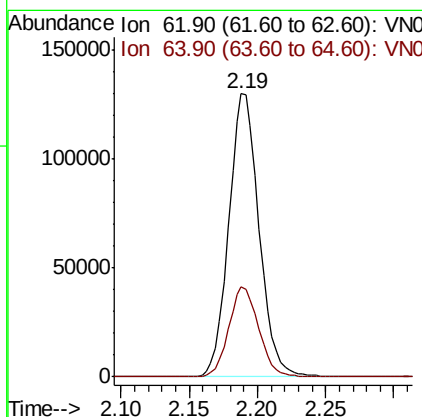
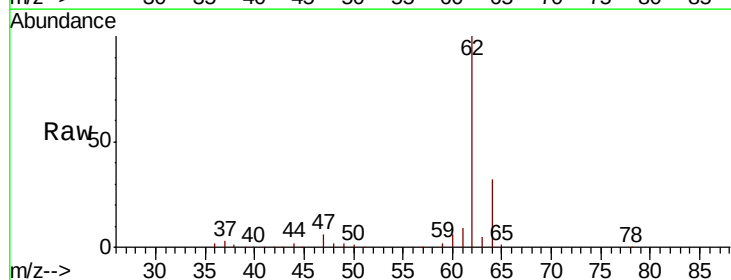
Acq: 12 Nov 2018 9:37

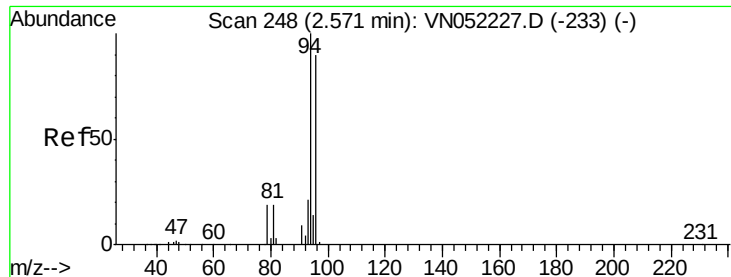
Tgt Ion: 62 Resp: 200157

Ion Ratio Lower Upper

62 100

64 31.9 26.1 39.1





#5

Bromomethane

Concen: 45.978 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

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Tot Ion: 94 Resp: 120881

Ion Ratio Lower Upper

94 100

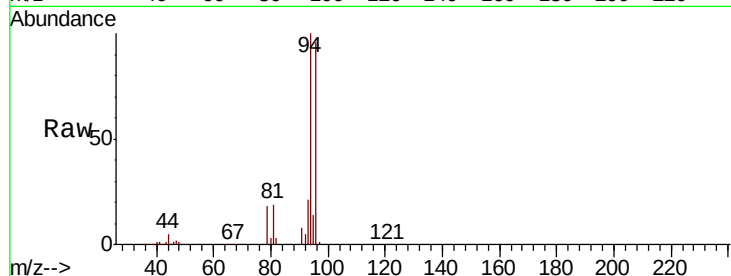
96 96.5 71.8 107.8

Manual Integrations

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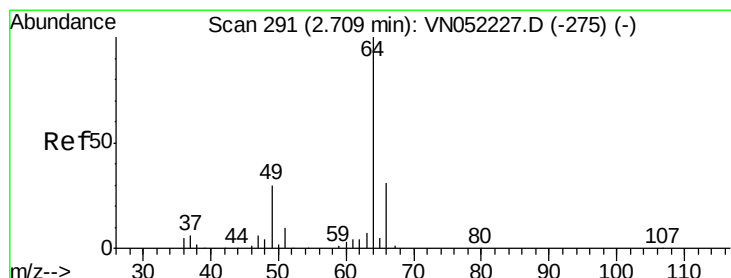
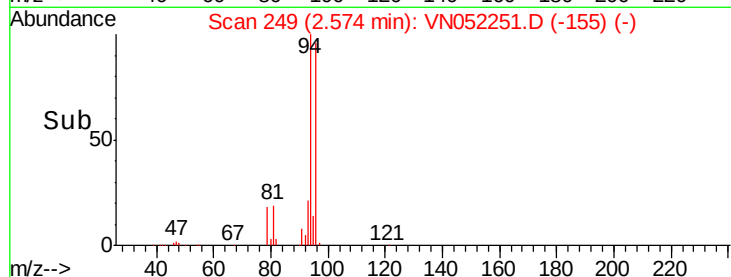
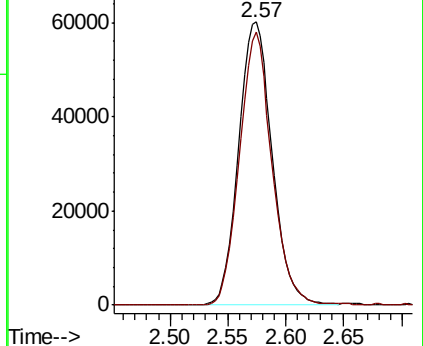
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.067 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052251.D

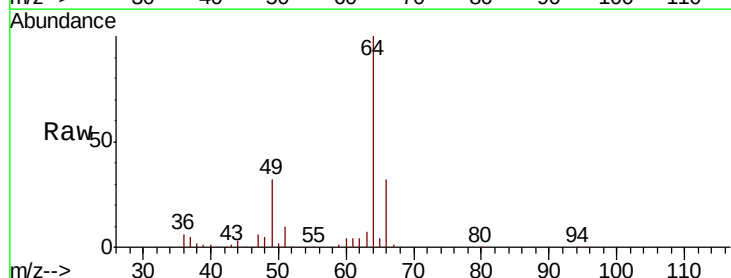
Acq: 12 Nov 2018 9:37

Tgt Ion: 64 Resp: 110897

Ion Ratio Lower Upper

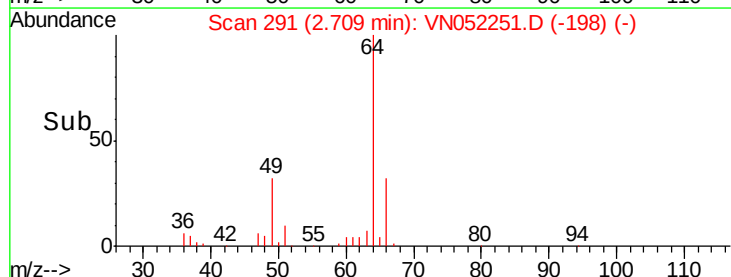
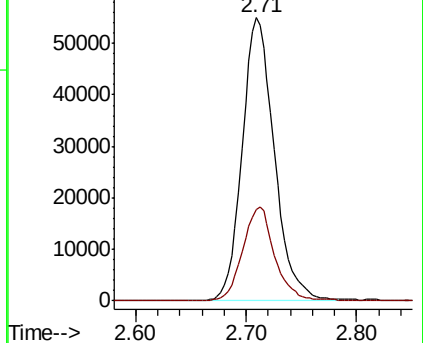
64 100

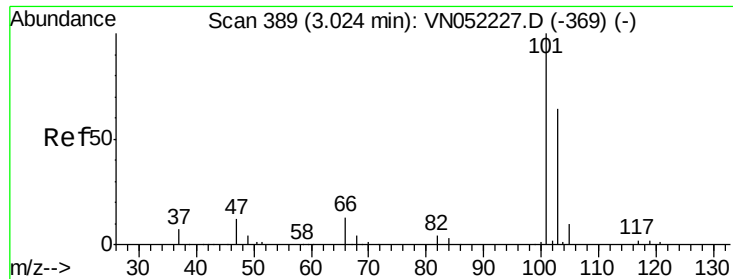
66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

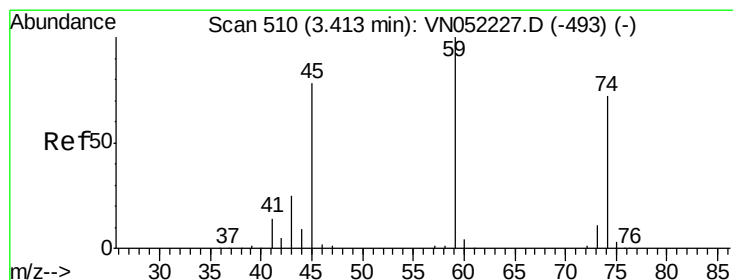
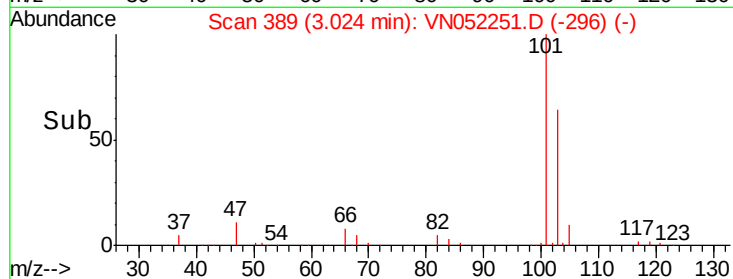
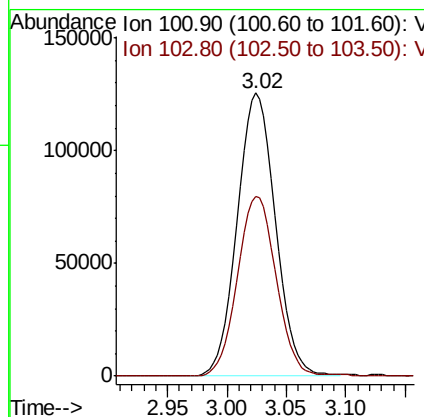
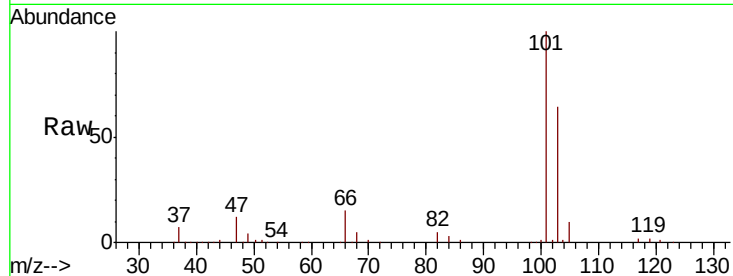
Trichlorofluoromethane
Concen: 48.539 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.2	76.8

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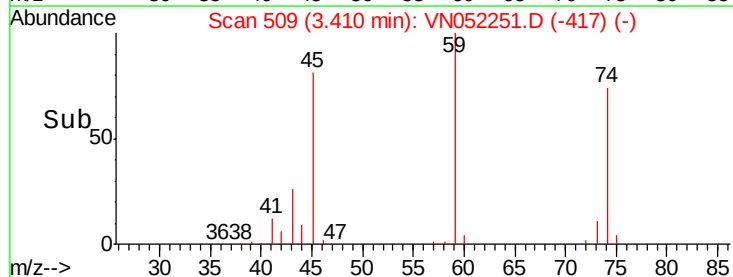
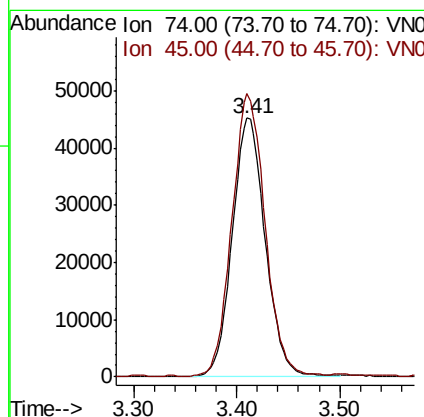
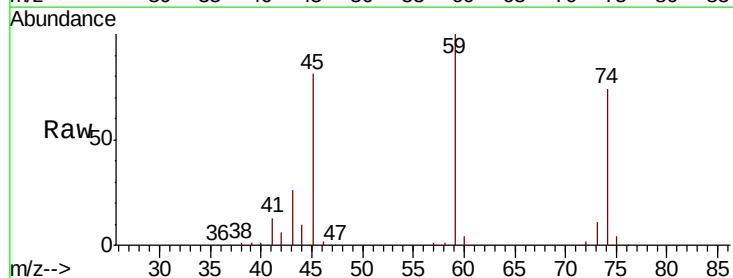
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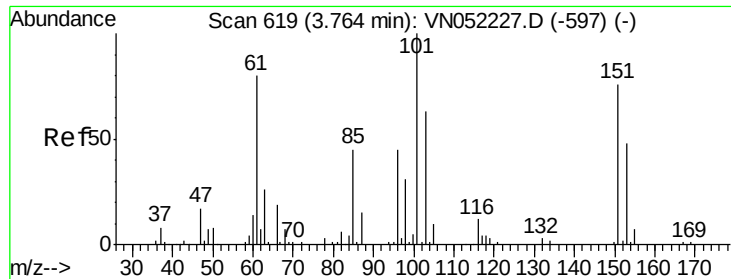


#8

Diethyl Ether
Concen: 44.553 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052251.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.3	55.5	166.7





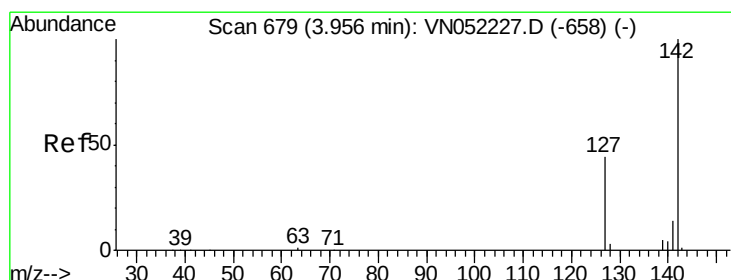
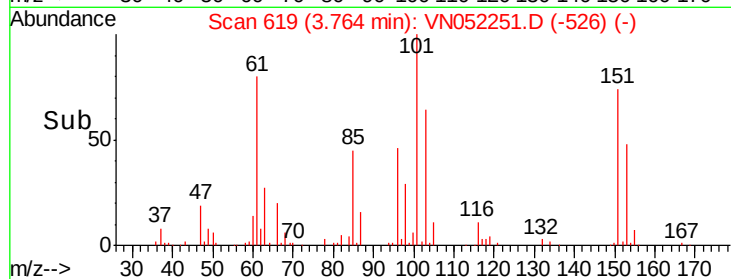
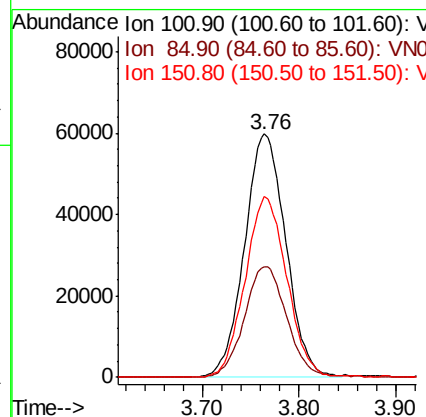
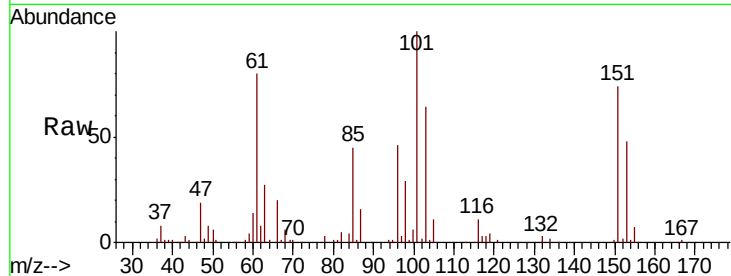
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.913 ug/l
RT: 3.76 min Scan# 619
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.7	36.2	54.4
151	75.1	59.2	88.8

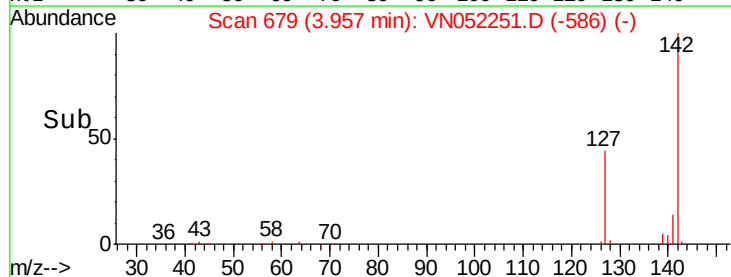
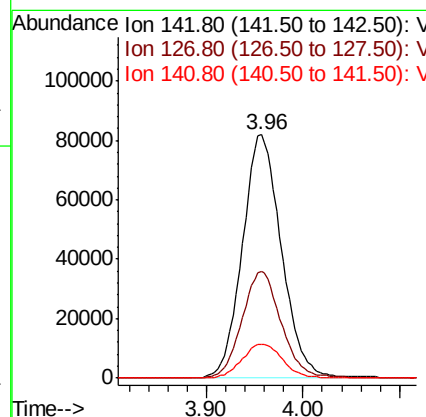
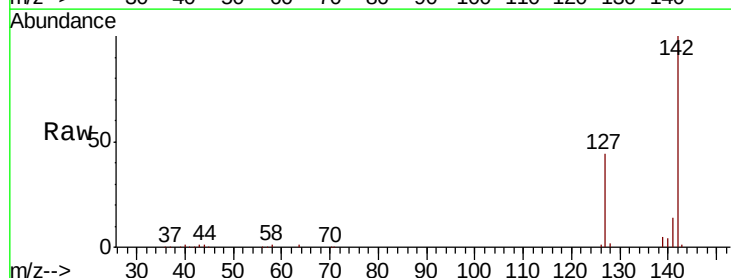
Manual Integrations
APPROVED

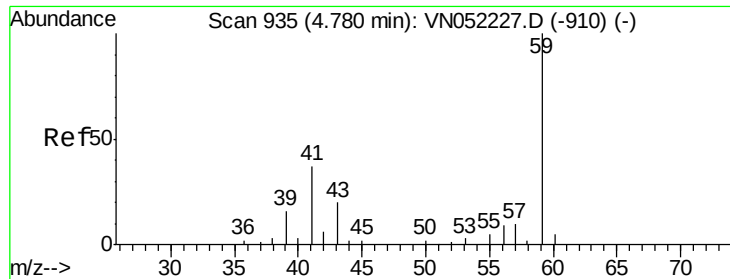
MMDadoda
11/13/2018 2:54:18 PM



#10
Methyl Iodide
Concen: 47.720 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.3	52.9
141	14.6	11.8	17.6





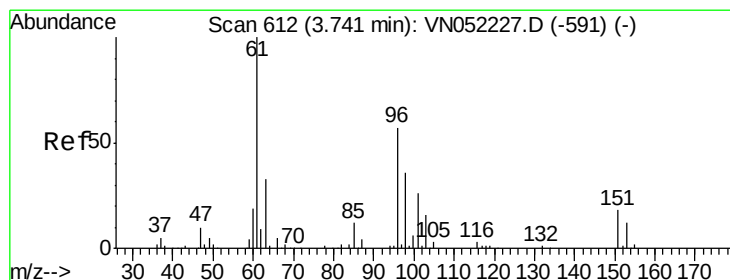
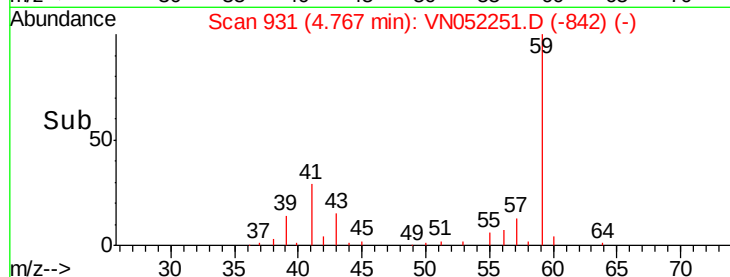
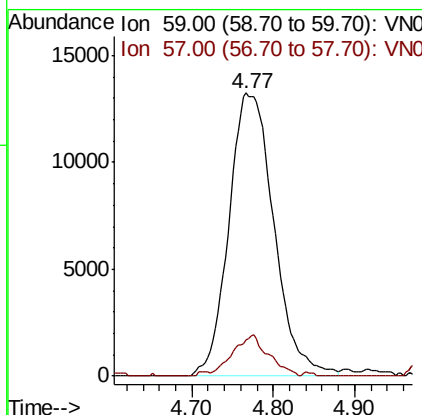
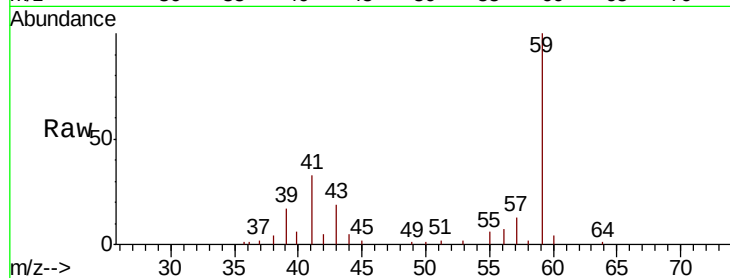
#11
Tert butyl alcohol
Concen: 220.858 ug/l
RT: 4.77 min Scan# 931
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.8	13.2

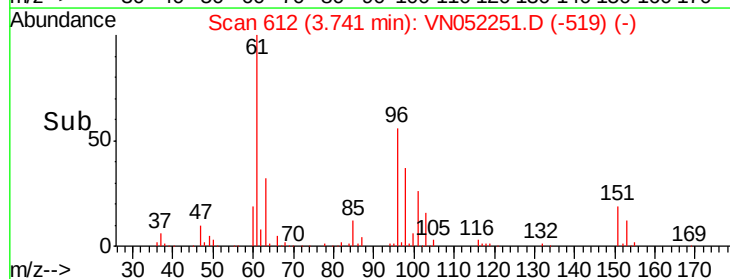
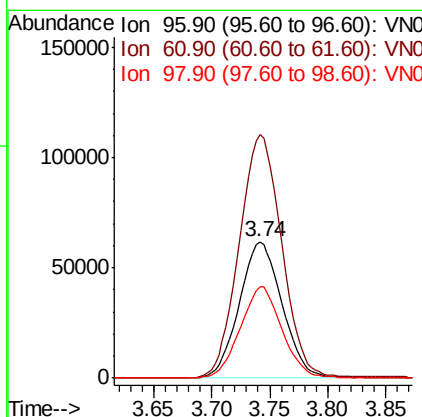
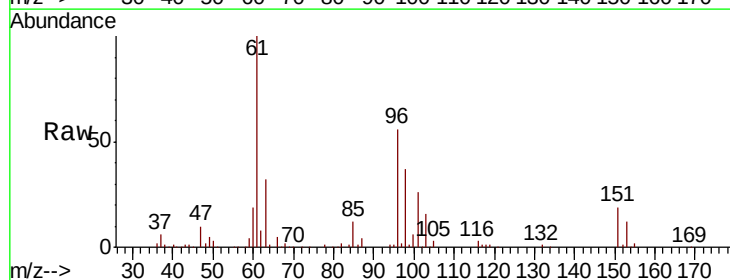
Manual Integrations
APPROVED

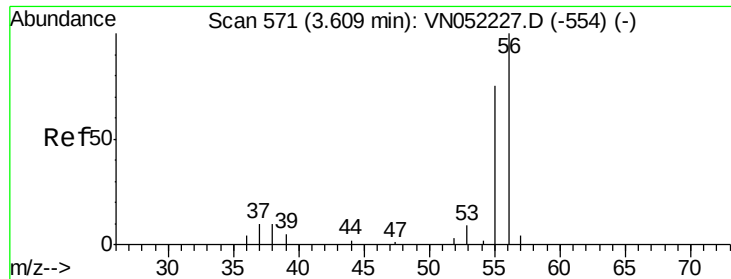
MMDadoda
11/13/2018 2:54:18 PM



#12
1,1-Dichloroethene
Concen: 46.145 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.7	141.1	211.7
98	66.9	50.3	75.5





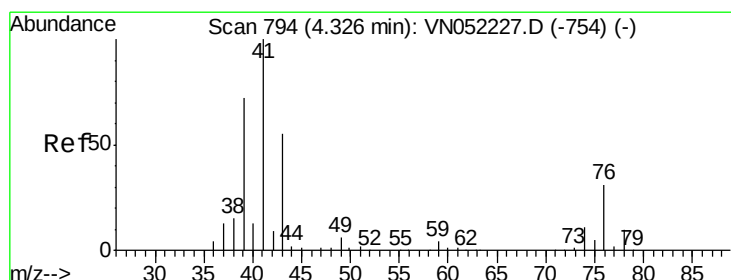
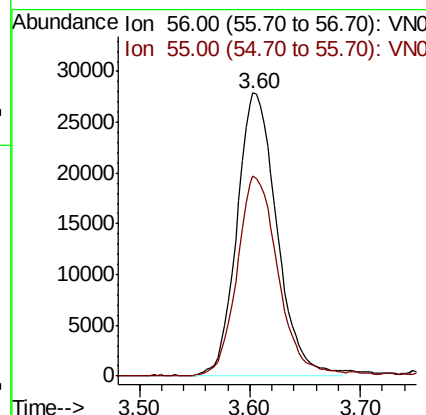
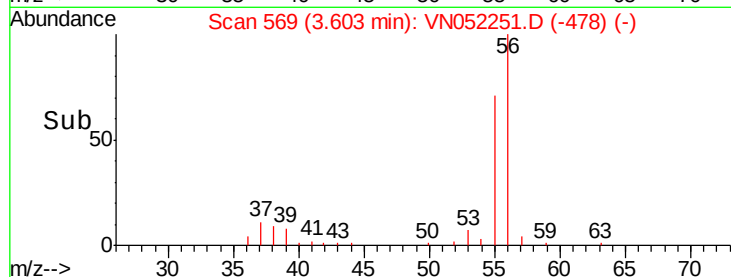
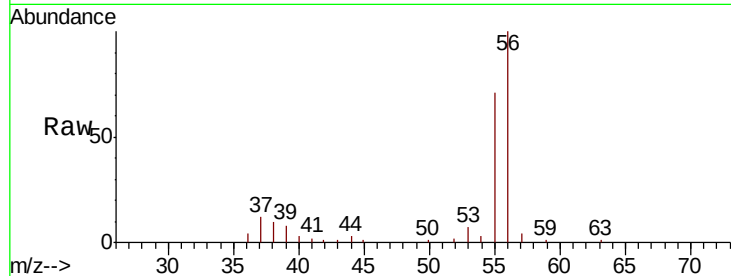
#13
Acrolein
Concen: 203.856 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 70071
Ion Ratio Lower Upper
56 100
55 72.5 59.9 89.9

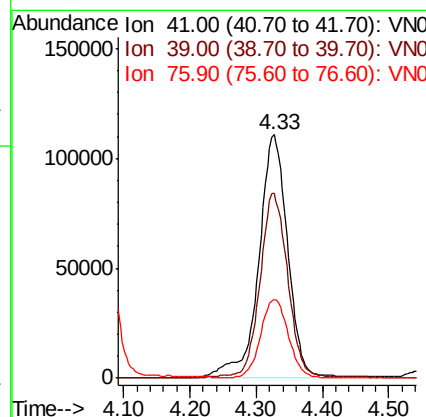
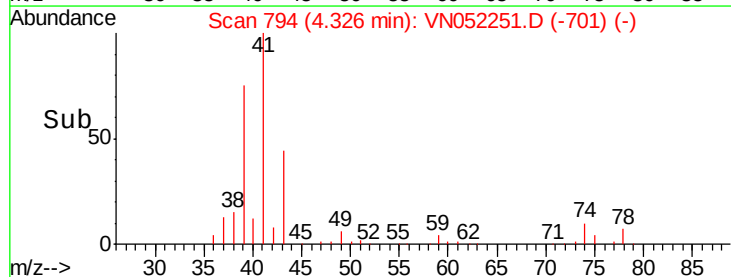
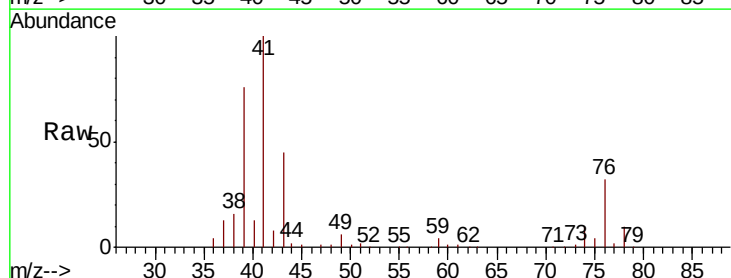
Manual Integrations
APPROVED

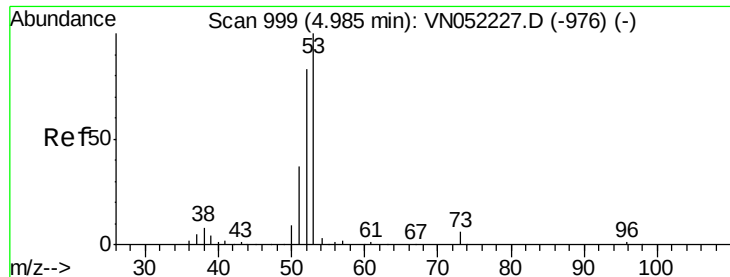
MMDadoda
11/13/2018 2:54:18 PM



#14
Allyl chloride
Concen: 46.511 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion: 41 Resp: 333576
Ion Ratio Lower Upper
41 100
39 71.2 55.1 82.7
76 30.7 23.6 35.4





#15

Acrylonitrile

Concen: 213.802 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

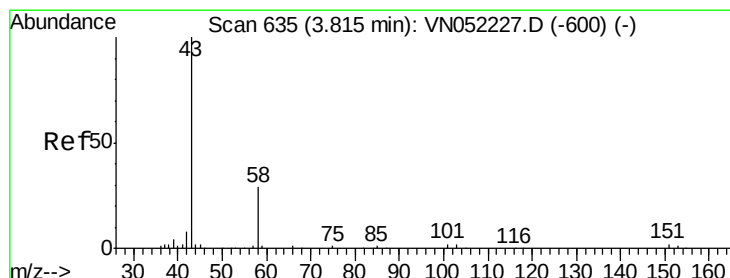
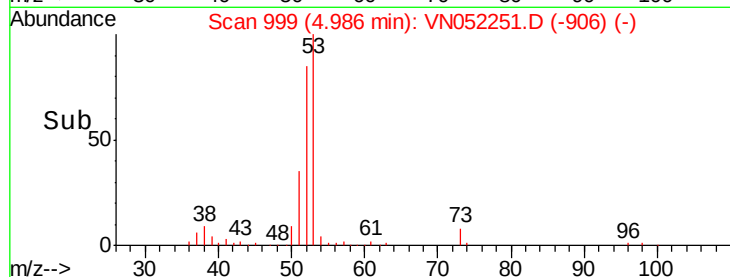
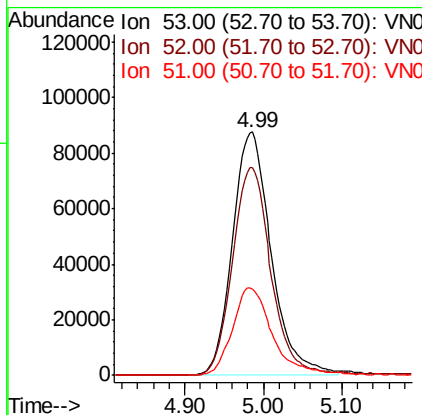
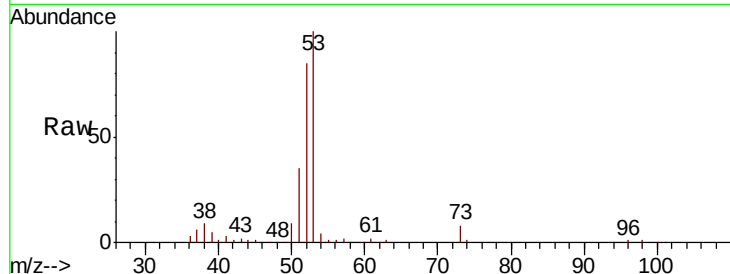
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	301847
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.7	100.1
51	37.1	29.4	44.0

Manual Integrations
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11/13/2018 2:54:18 PM



#16

Acetone

Concen: 270.024 ug/l

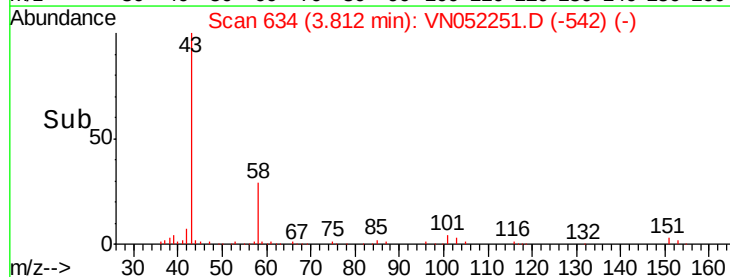
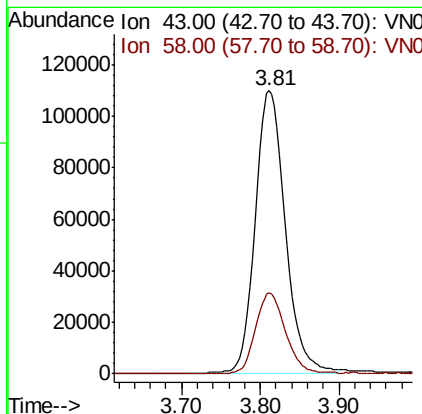
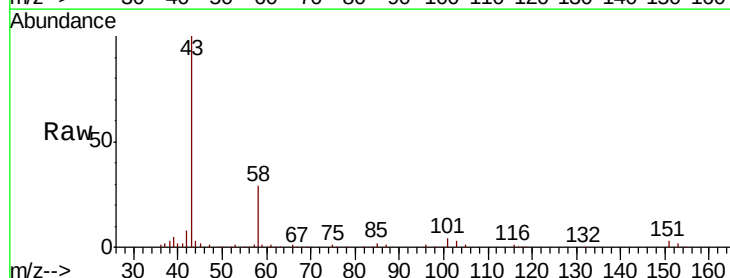
RT: 3.81 min Scan# 634

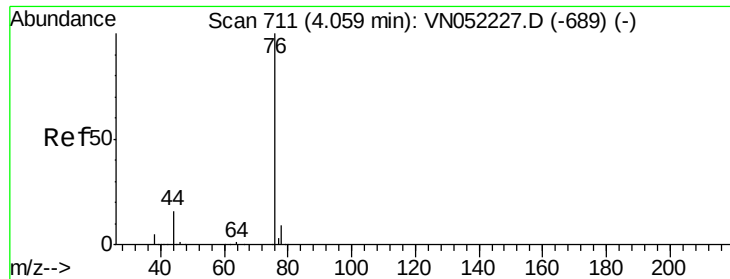
Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Tgt Ion:	43	Resp:	301504
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.0	34.6





#17

Carbon Disulfide

Concen: 50.169 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 498540

Ion Ratio Lower Upper

76 100

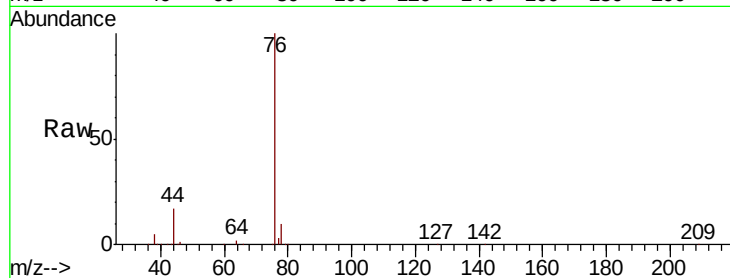
78 9.5 7.3 10.9

Manual Integrations

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

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

4.06

200000

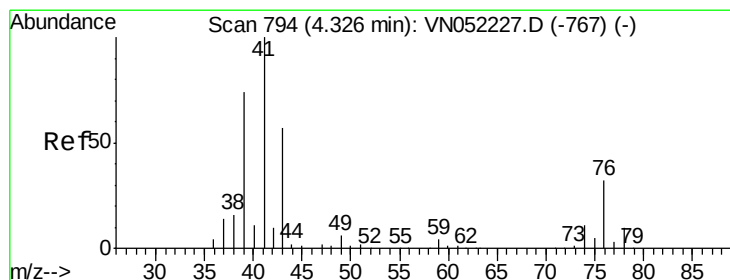
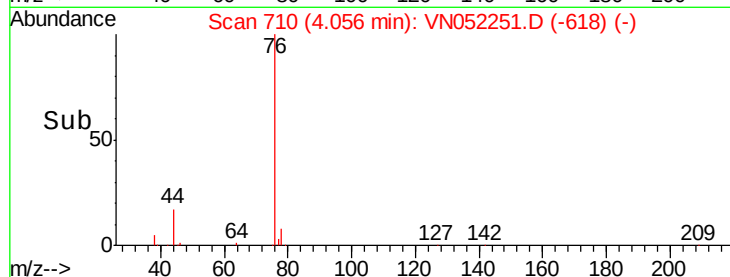
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 39.798 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052251.D

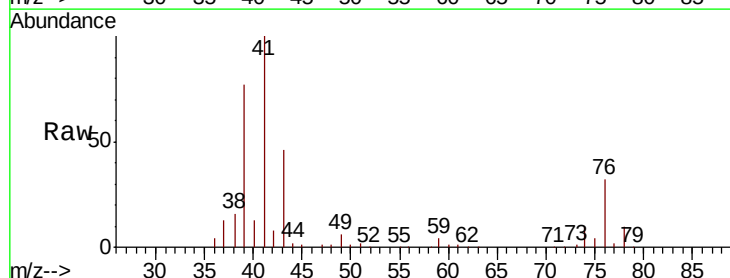
Acq: 12 Nov 2018 9:37

Tgt Ion: 43 Resp: 149023

Ion Ratio Lower Upper

43 100

74 20.5 16.2 24.2



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

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

4.32

60000

50000

40000

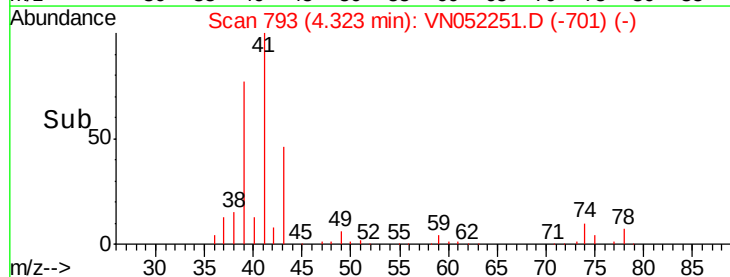
30000

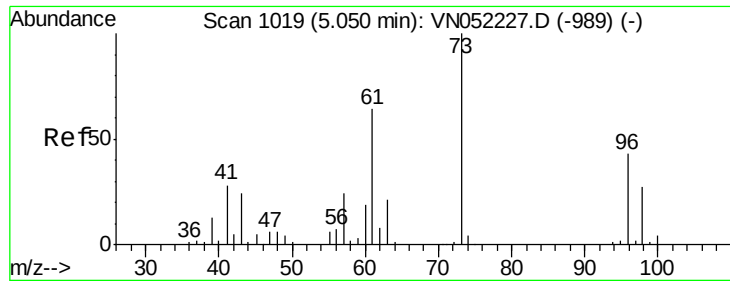
20000

10000

0

Time--> 4.20 4.30 4.40





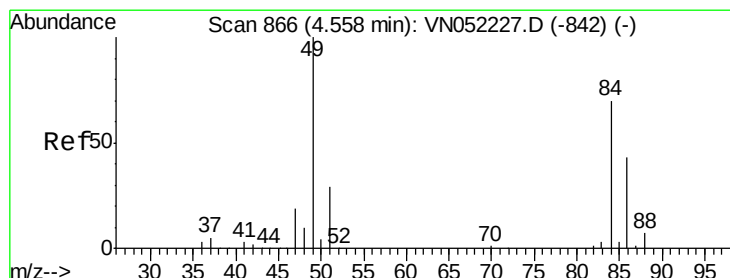
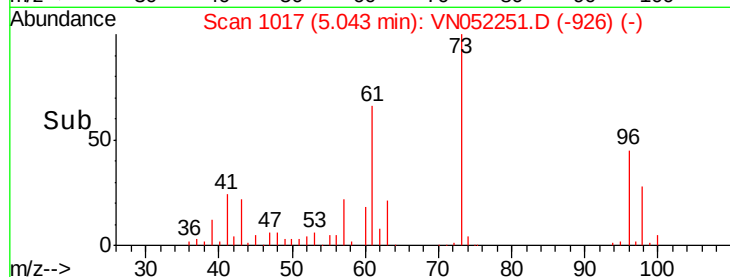
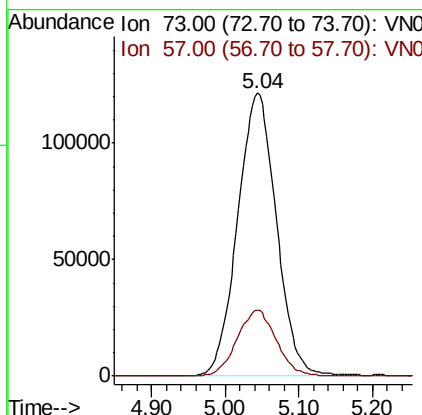
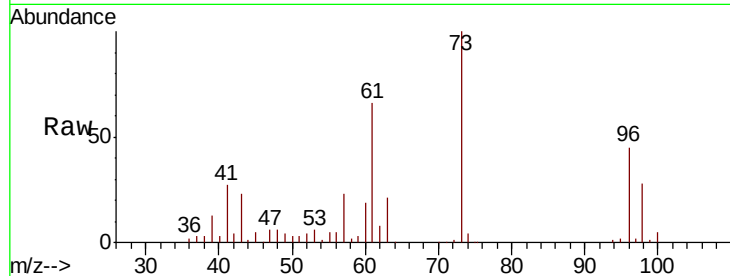
#19
Methyl tert-butyl Ether
Concen: 45.502 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 445325
Ion Ratio Lower Upper
73 100
57 23.4 19.1 28.7

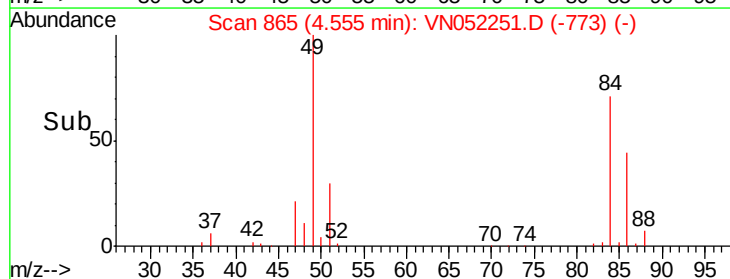
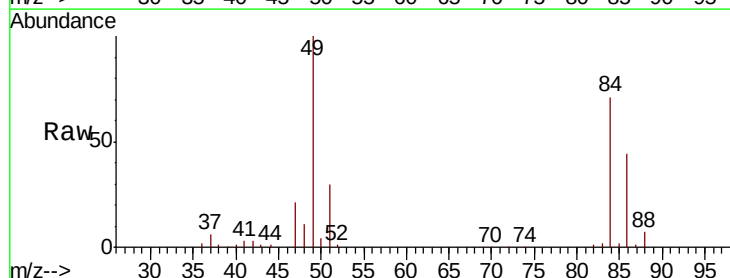
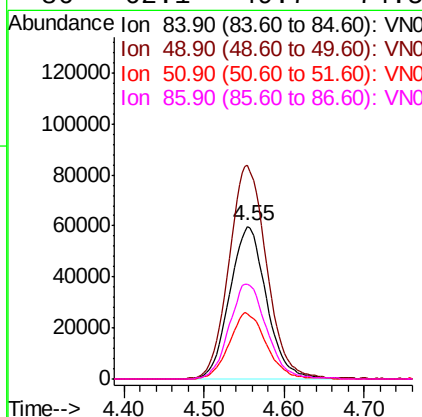
Manual Integrations
APPROVED

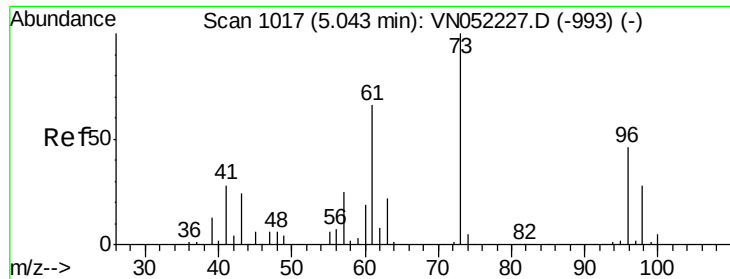
MMDadoda
11/13/2018 2:54:18 PM



#20
Methylene Chloride
Concen: 45.722 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion: 84 Resp: 186781
Ion Ratio Lower Upper
84 100
49 139.7 114.8 172.2
51 42.5 33.1 49.7
86 62.1 49.7 74.5





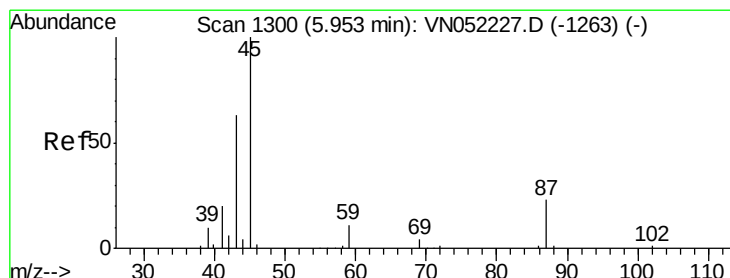
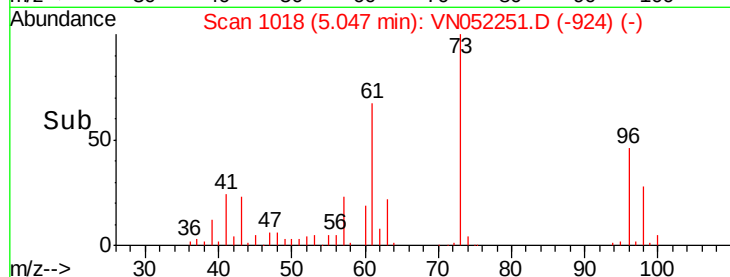
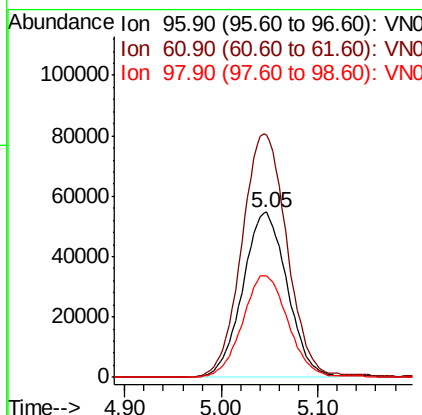
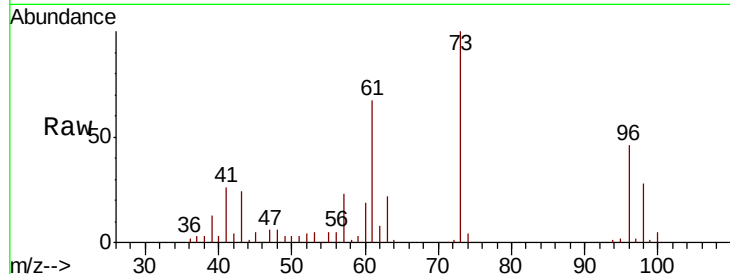
#21
trans-1,2-Dichloroethene
Concen: 47.089 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.2	115.3	172.9
98	61.0	49.5	74.3

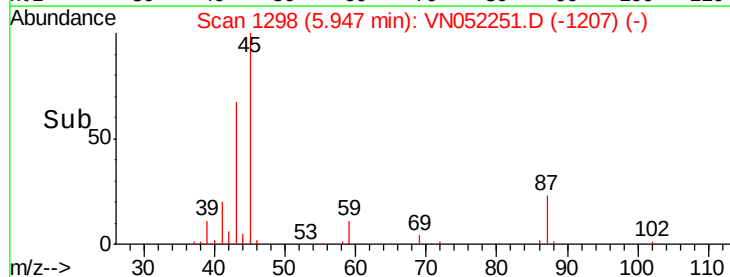
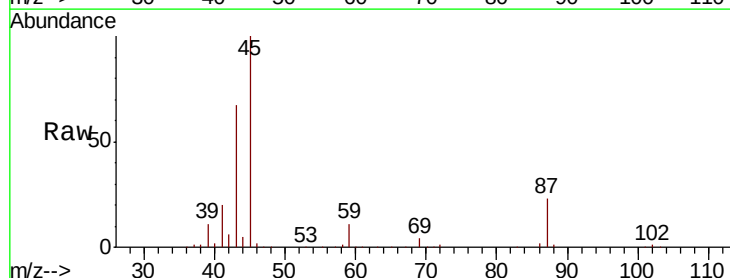
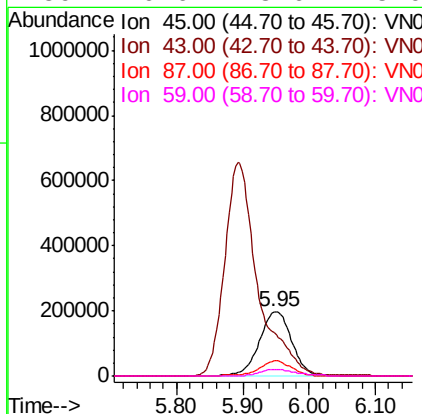
Manual Integrations
APPROVED

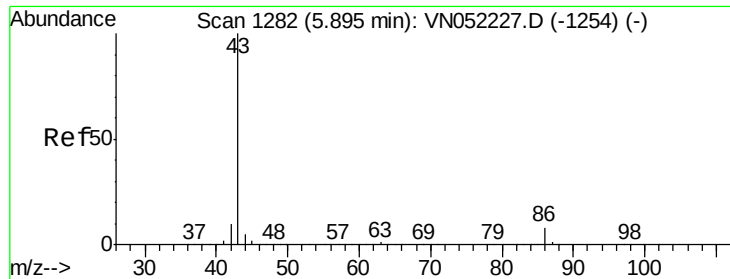
MMDadoda
11/13/2018 2:54:18 PM



#22
Diisopropyl ether
Concen: 47.004 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	50.6	76.0
87	23.2	19.0	28.4
59	10.6	8.6	13.0





#23

Vinyl Acetate

Concen: 232.000 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2288769

Ion Ratio Lower Upper

43 100

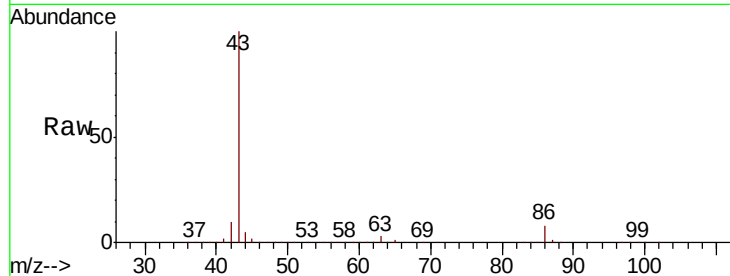
86 8.1 6.7 10.1

Manual Integrations

APPROVED

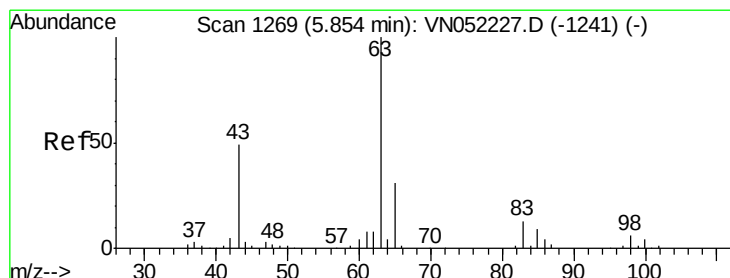
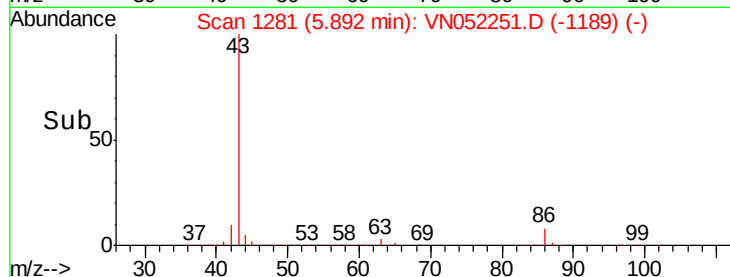
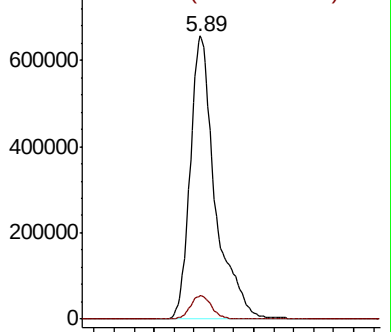
MMDadoda

11/13/2018 2:54:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.427 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

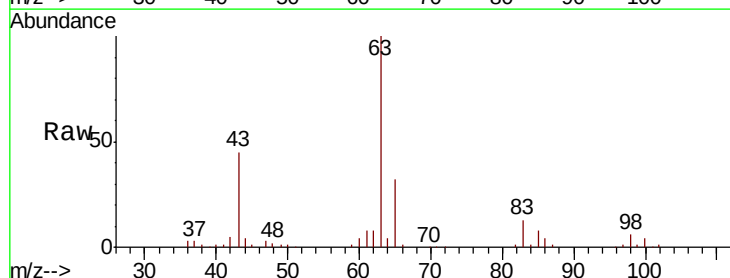
Tgt Ion: 63 Resp: 352567

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

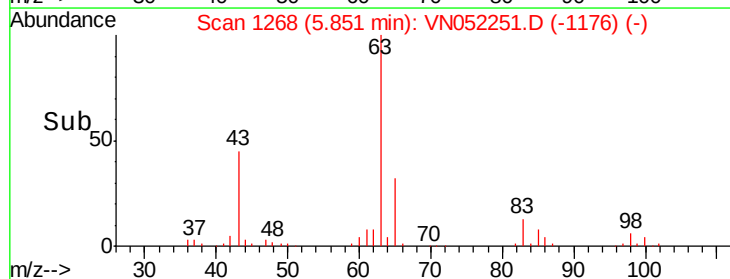
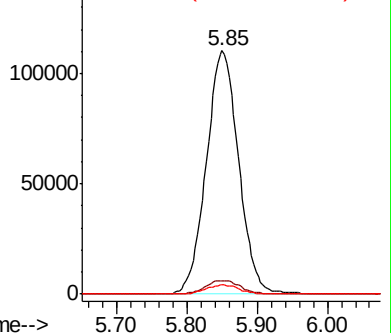
100 3.8 2.1 6.2

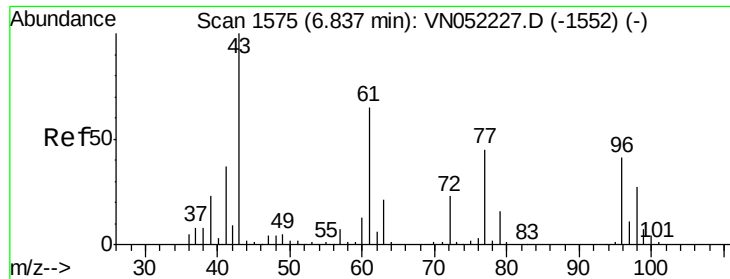


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





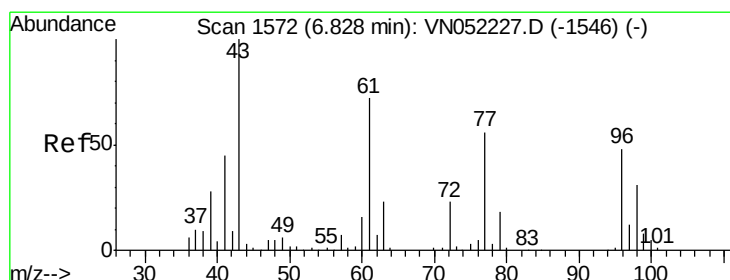
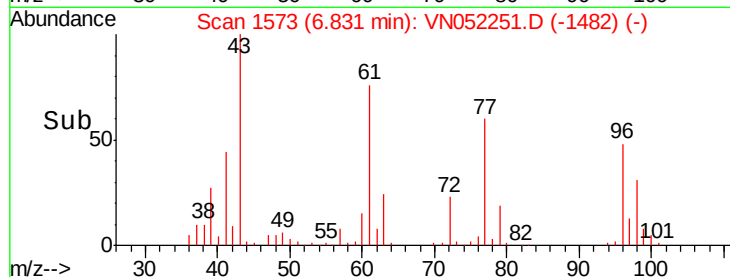
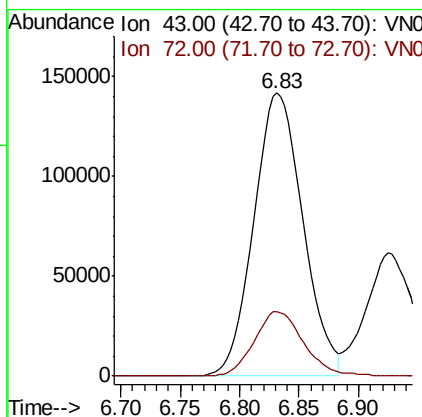
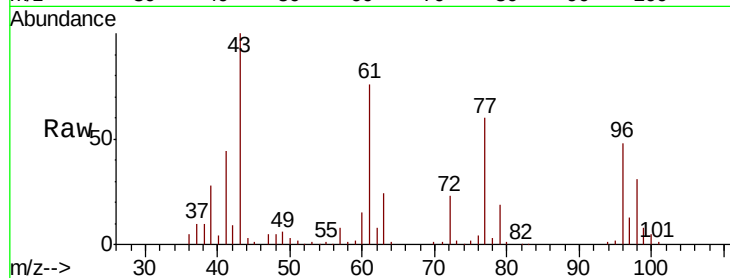
#25
2-Butanone
Concen: 211.279 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 403890
Ion Ratio Lower Upper
43 100
72 23.0 18.6 27.8

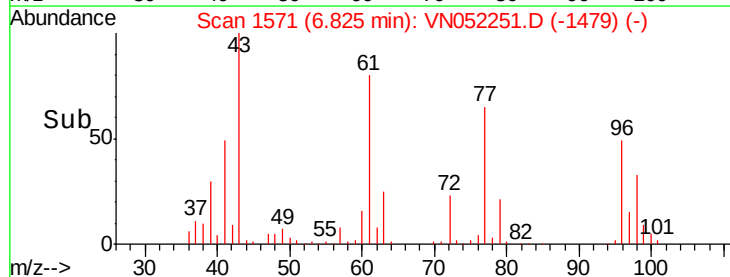
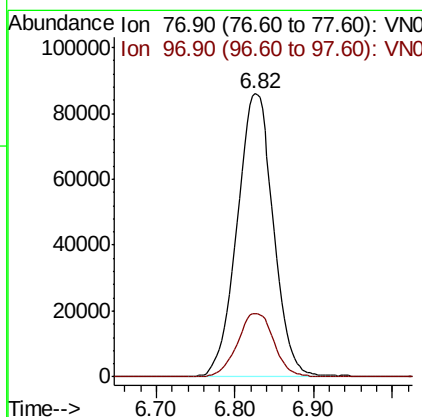
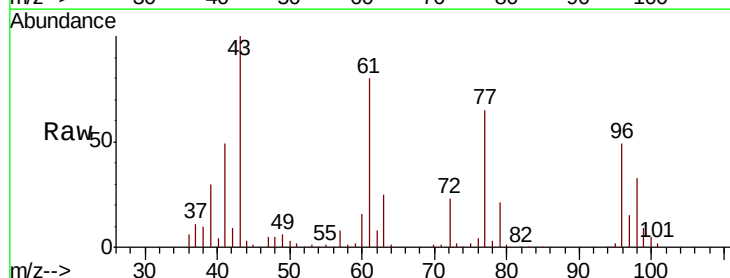
Manual Integrations
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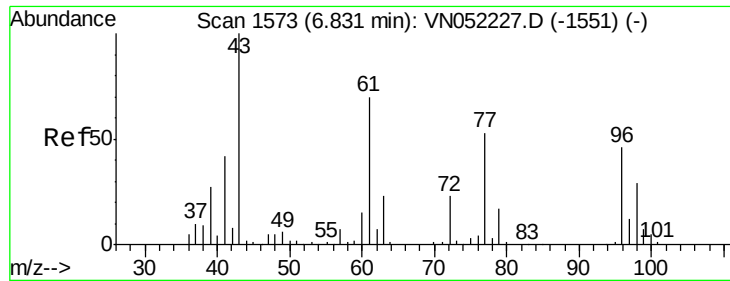
MMDadoda
11/13/2018 2:54:18 PM



#26
2,2-Dichloropropane
Concen: 50.228 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion: 77 Resp: 278586
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 47.249 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

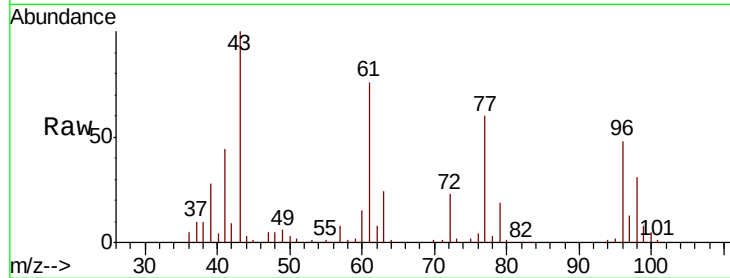
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	196909
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	313.4
98	65.4	0.0	129.8

Manual Integrations
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MMDadoda
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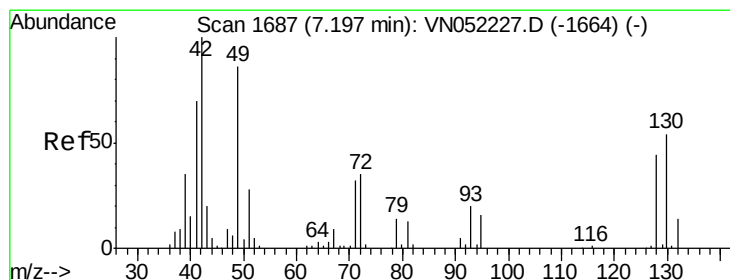
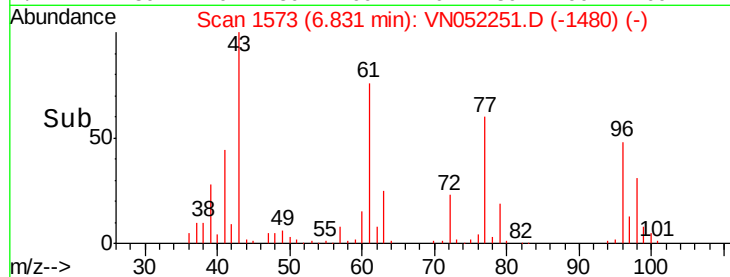
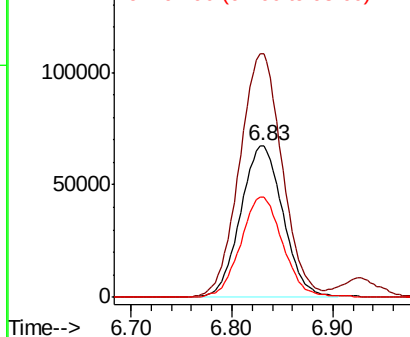


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 45.337 ug/l

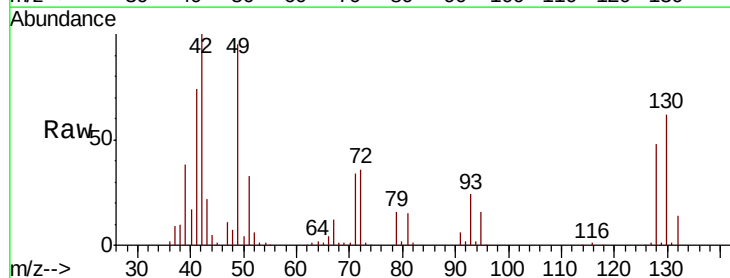
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Tgt Ion:	49	Resp:	170120
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	64.6	51.4	77.2

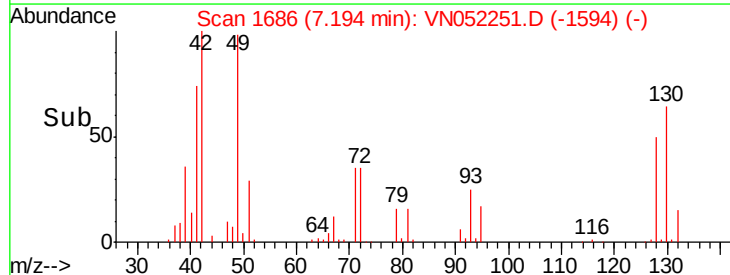
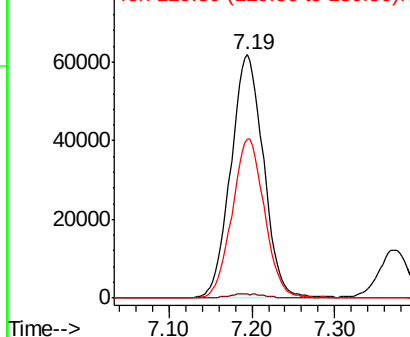


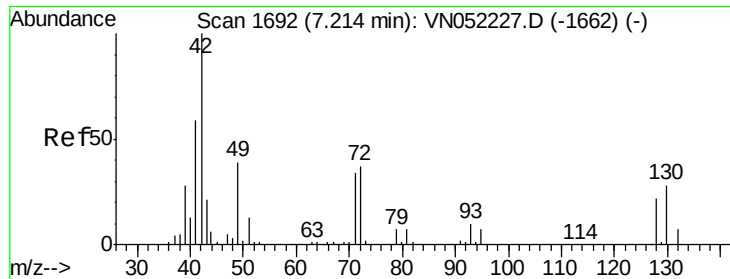
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 197.462 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

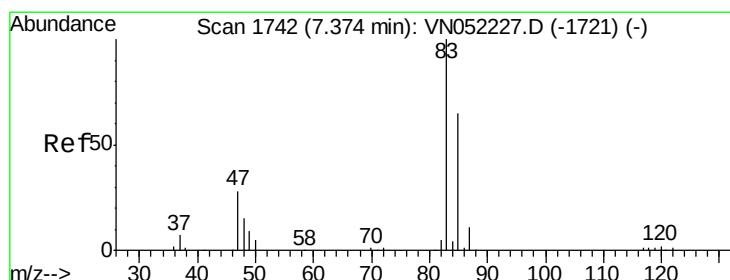
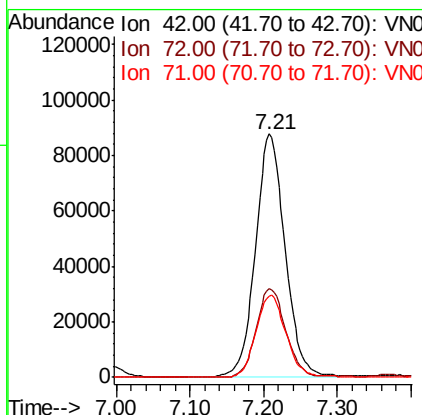
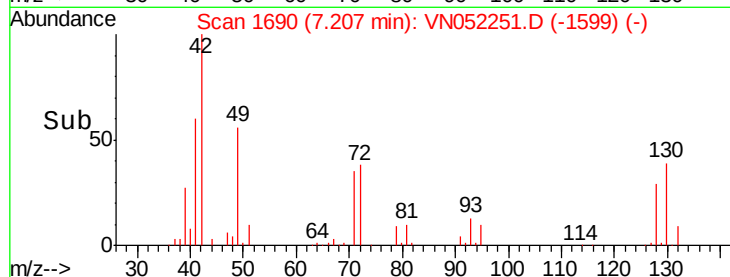
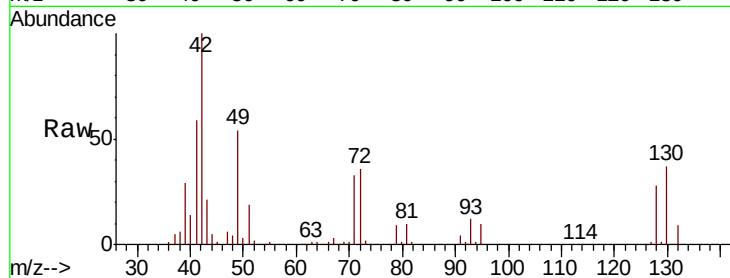
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	245666
Ion Ratio		Lower	Upper
42	100		
72	36.4	28.6	43.0
71	34.5	27.1	40.7

Manual Integrations
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#30

Chloroform

Concen: 47.044 ug/l

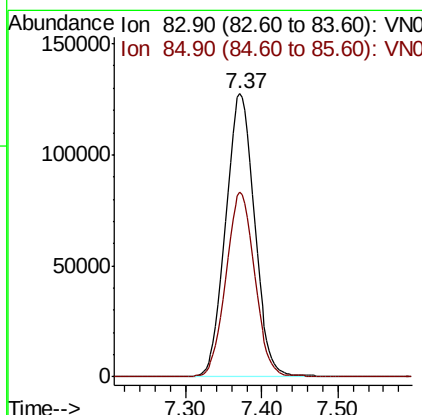
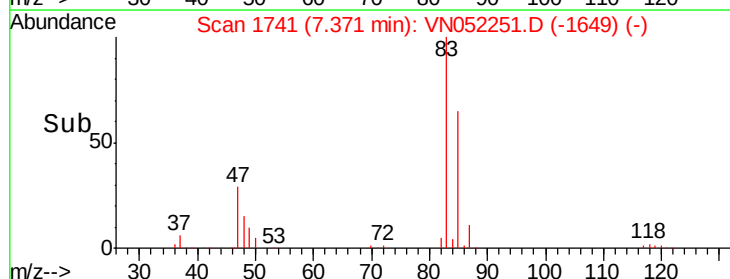
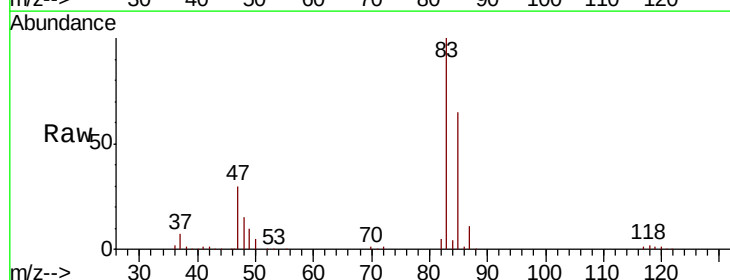
RT: 7.37 min Scan# 1741

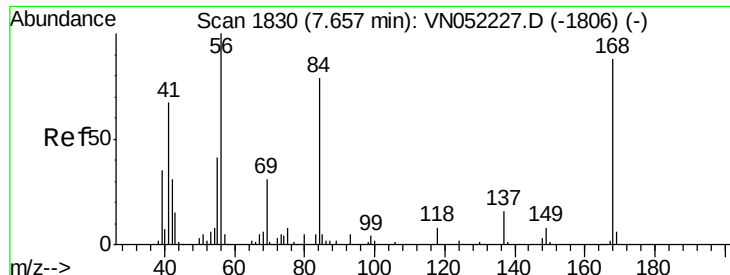
Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Tgt Ion:	83	Resp:	338098
Ion Ratio		Lower	Upper
83	100		
85	65.3	51.8	77.6





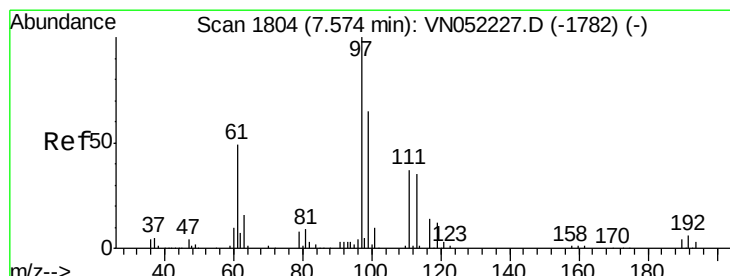
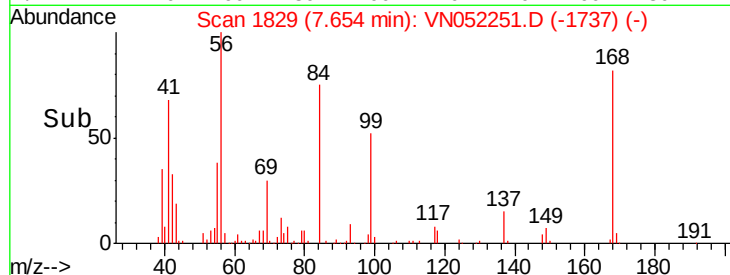
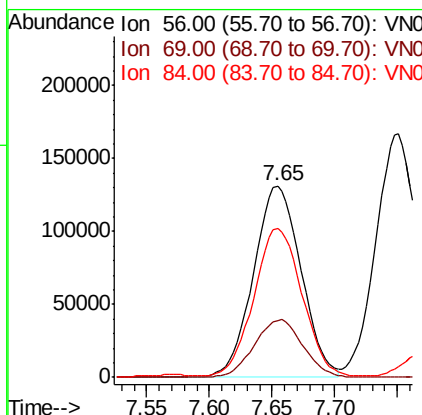
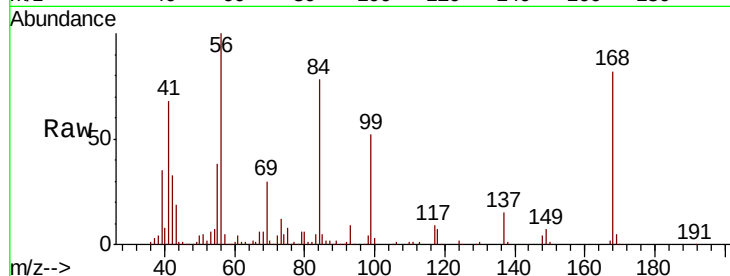
#31
Cyclohexane
Concen: 49.297 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.8	37.2
84	76.7	63.1	94.7

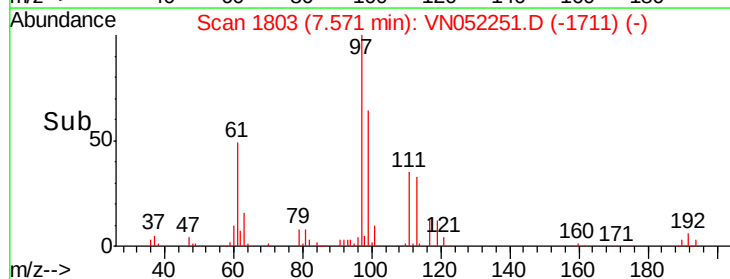
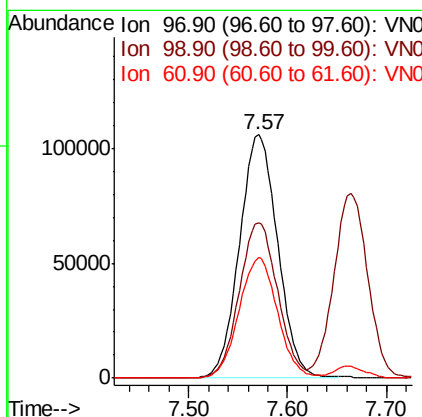
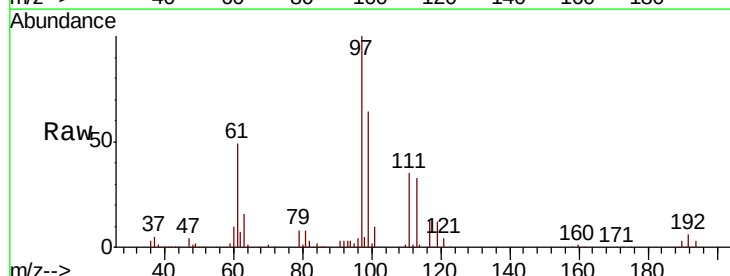
Manual Integrations
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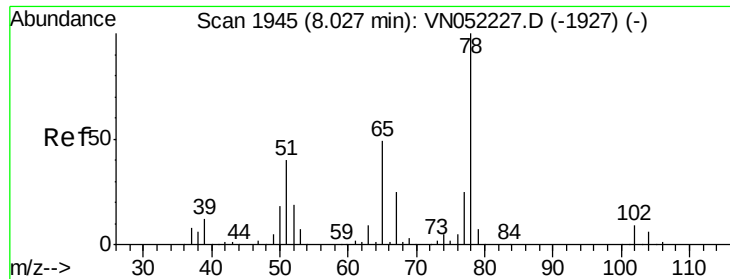
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.656 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.9	77.9
61	49.7	40.2	60.4





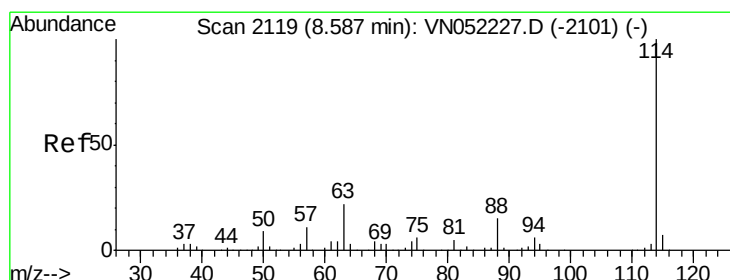
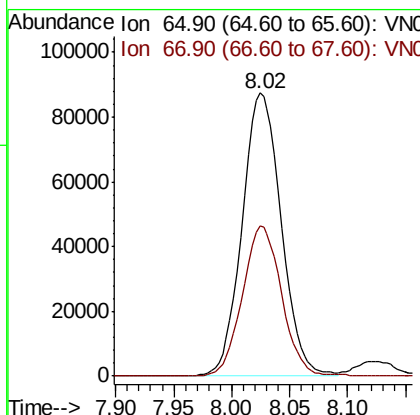
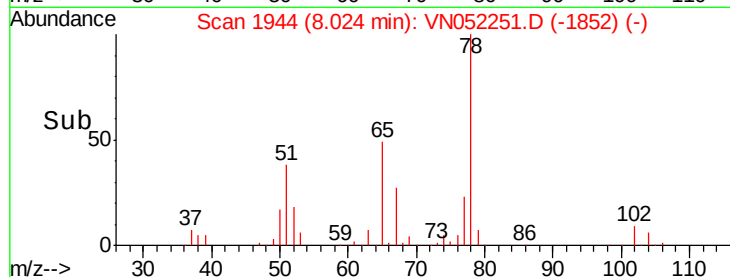
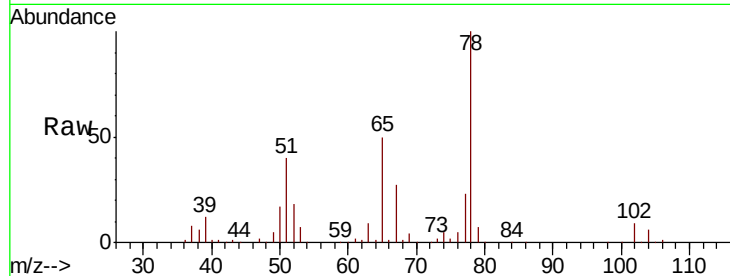
#33
 1,2-Dichloroethane-d4
 Concen: 48.656 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	205386		
67	53.1	0.0	106.6	

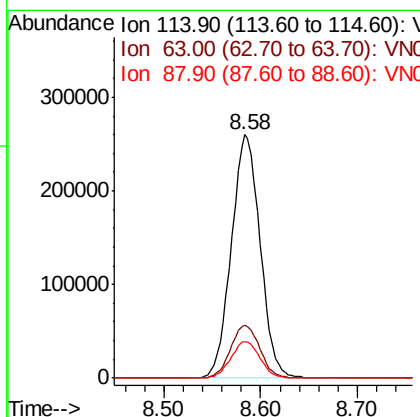
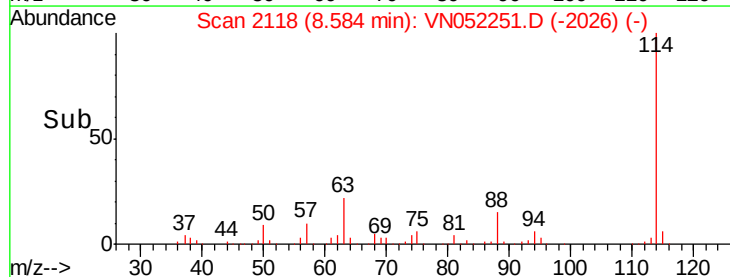
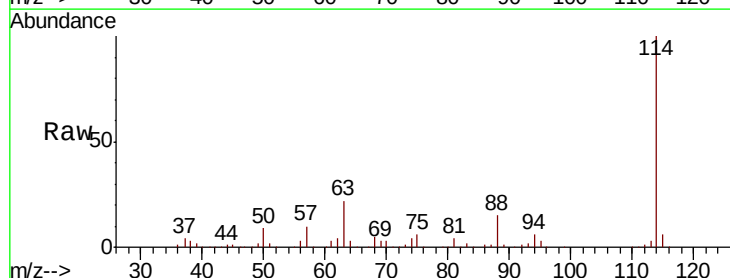
Manual Integrations
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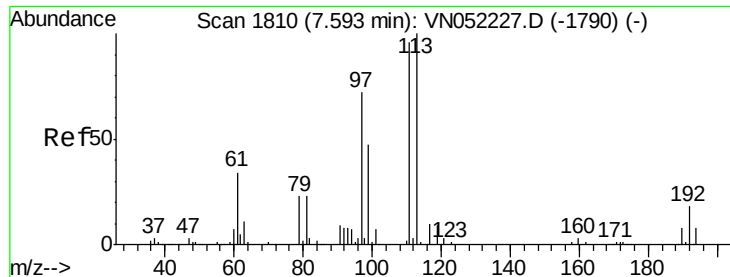
MMDadoda
 11/13/2018 2:54:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	537989		
63	21.8	0.0	43.4	
88	15.0	0.0	30.2	





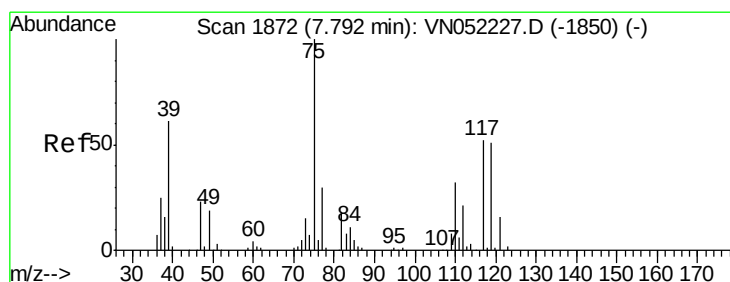
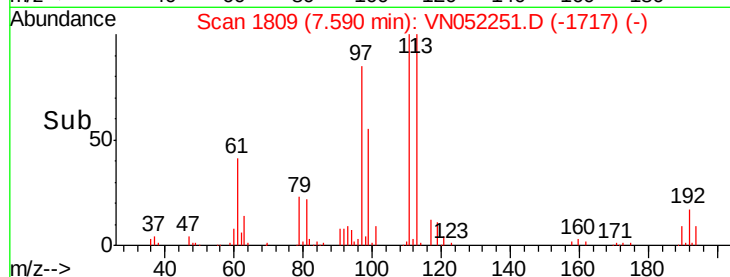
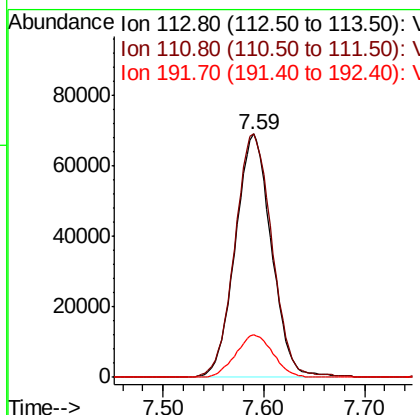
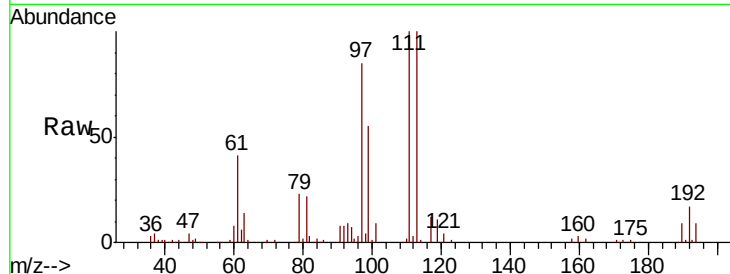
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171608		
111	103.4	80.2	120.4	
192	18.1	14.1	21.1	

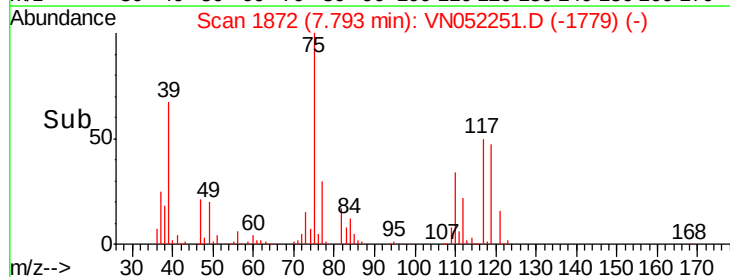
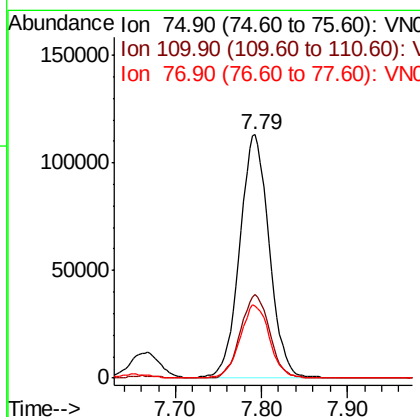
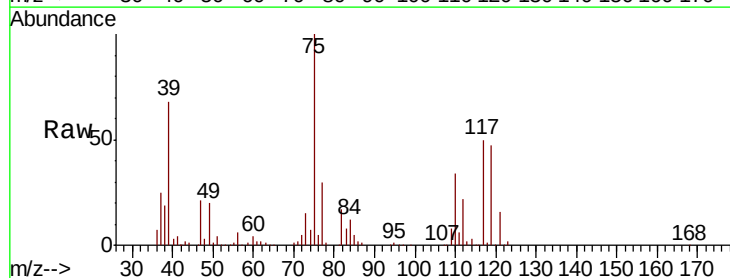
Manual Integrations
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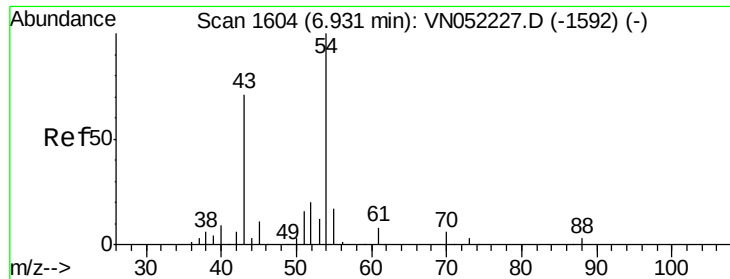
MMDadoda
11/13/2018 2:54:18 PM



#36
1,1-Dichloropropene
Concen: 49.429 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	268408		
110	34.2	16.4	49.4	
77	30.4	23.9	35.9	





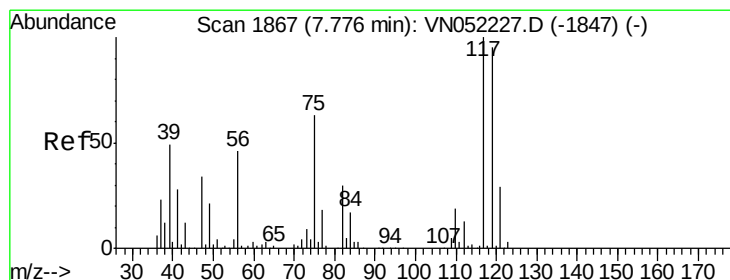
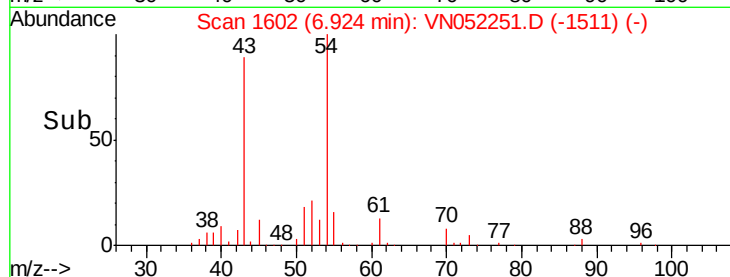
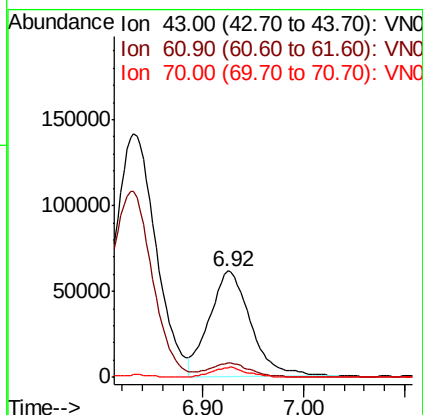
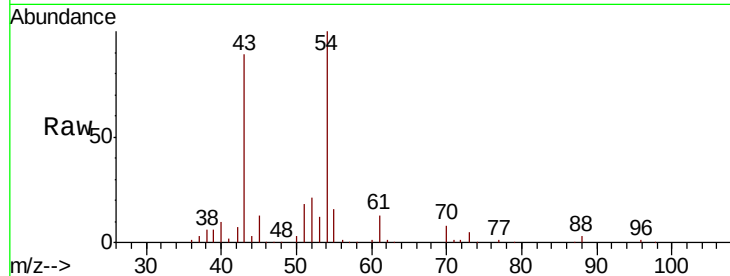
#37
Ethyl Acetate
Concen: 42.763 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.0	15.0
70	7.9	6.9	10.3

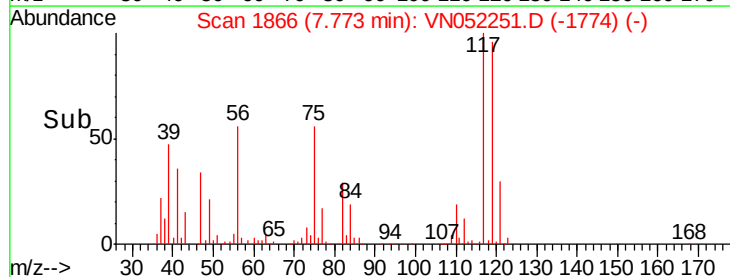
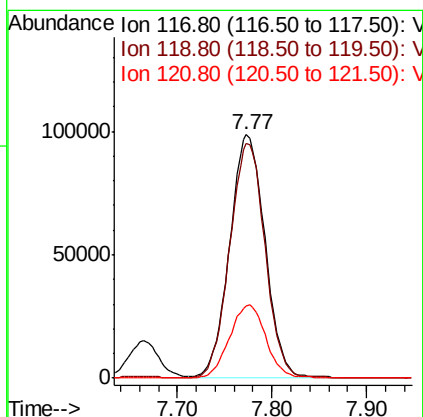
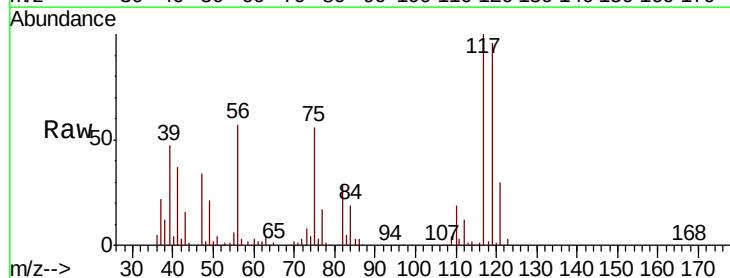
Manual Integrations
APPROVED

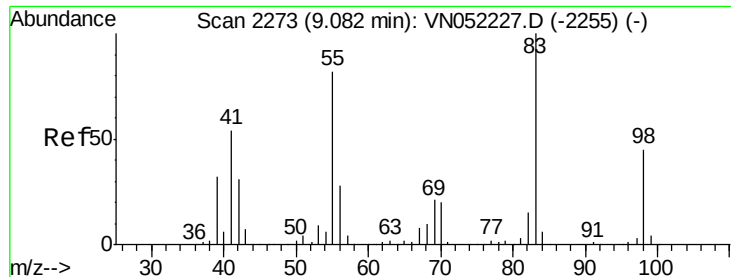
MMDadoda
11/13/2018 2:54:18 PM



#38
Carbon Tetrachloride
Concen: 51.804 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.8
121	29.7	23.4	35.2





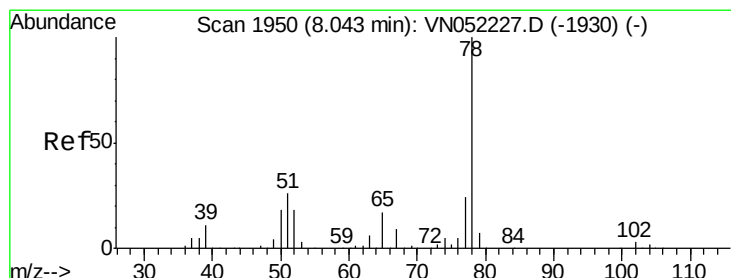
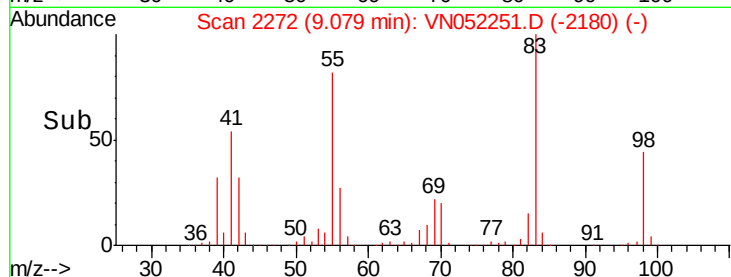
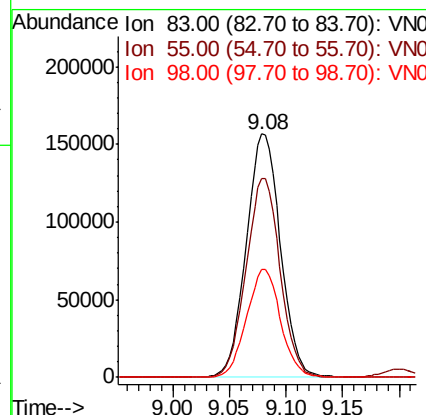
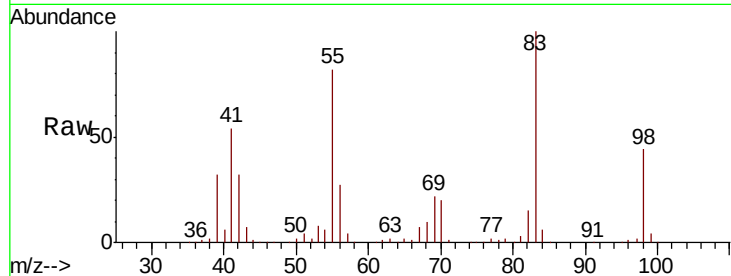
#39
Methylvlcyclohexane
Concen: 53.243 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	65.2	97.8
98	44.3	36.3	54.5

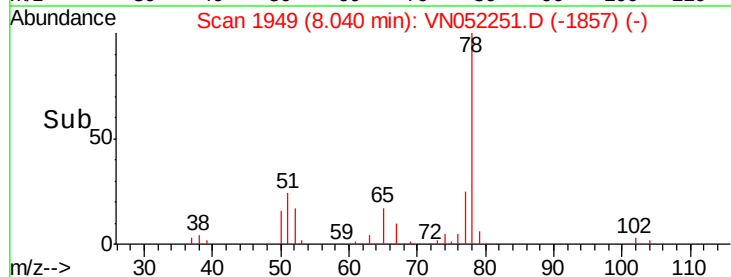
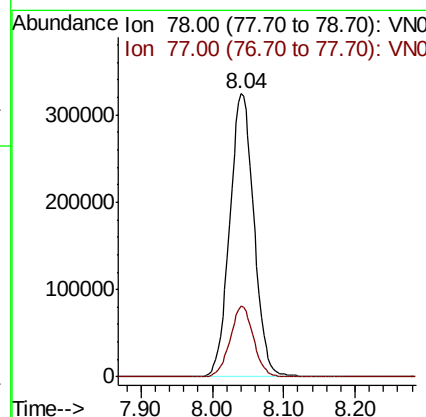
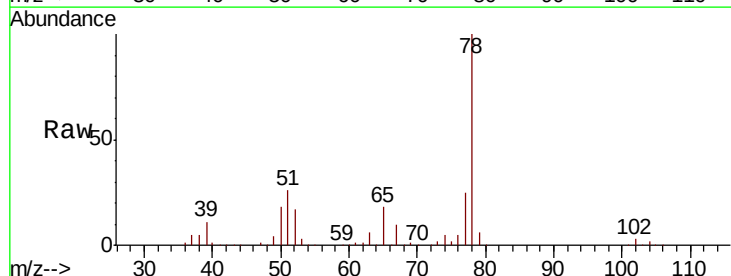
Manual Integrations
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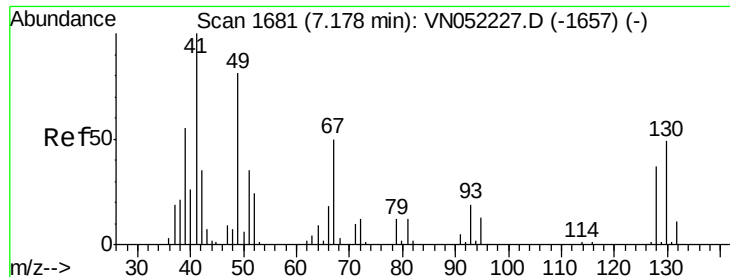
MMDadoda
11/13/2018 2:54:18 PM



#40
Benzene
Concen: 49.298 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8





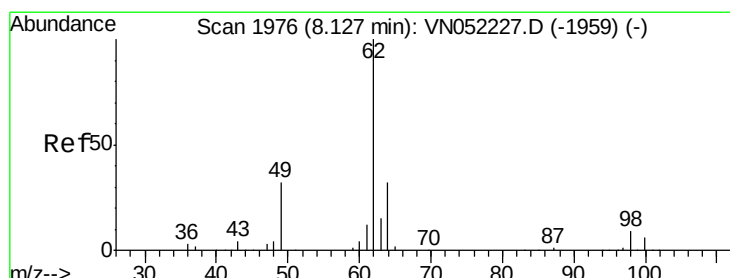
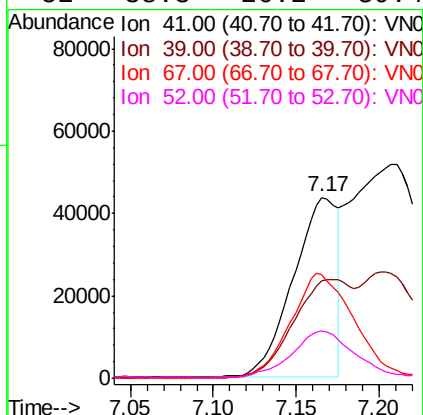
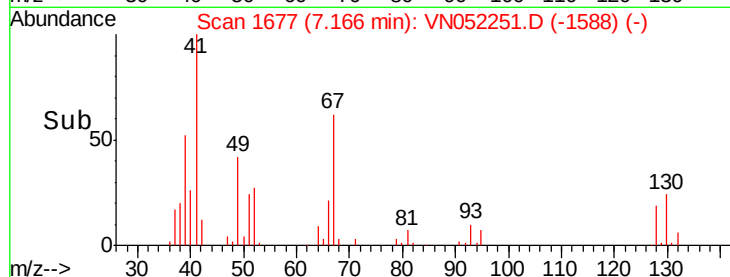
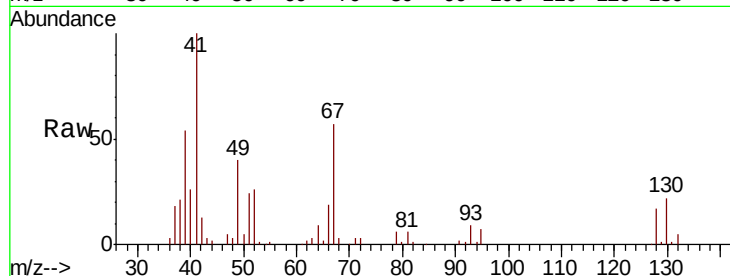
#41
Methacrylonitrile
Concen: 34.446 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.9	47.8	71.6
67	83.2	54.3	81.5#
52	38.3	26.2	39.4

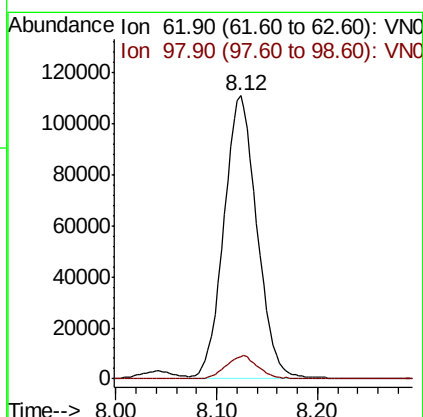
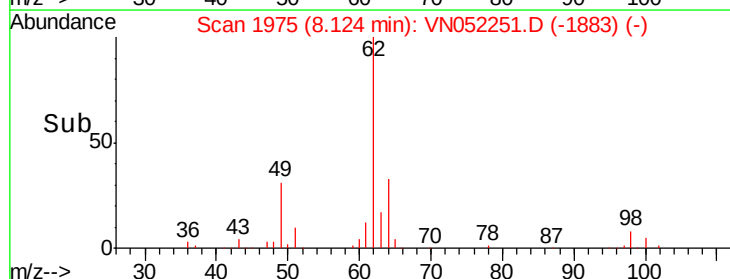
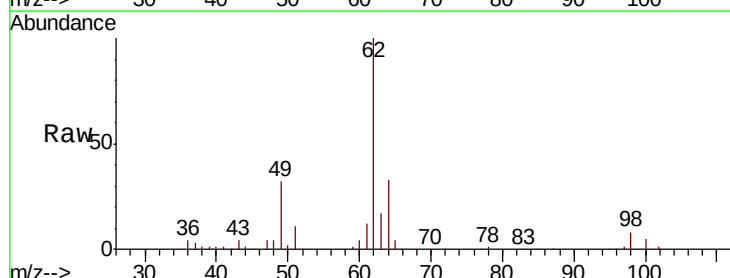
Manual Integrations
APPROVED

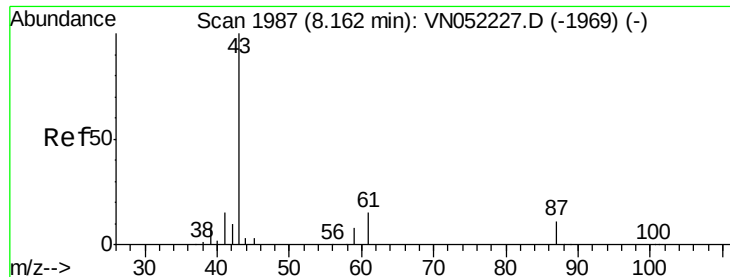
MMDadoda
11/13/2018 2:54:18 PM



#42
1,2-Dichloroethane
Concen: 46.319 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4





#43

Isopropyl Acetate

Concen: 44.240 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

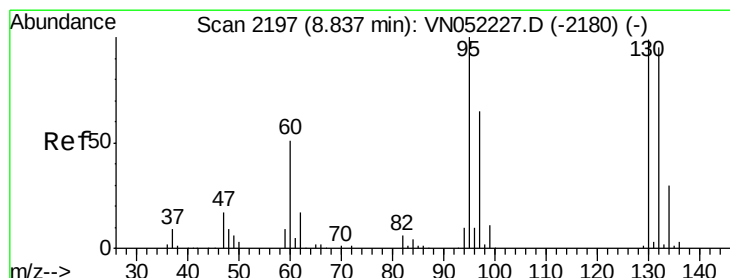
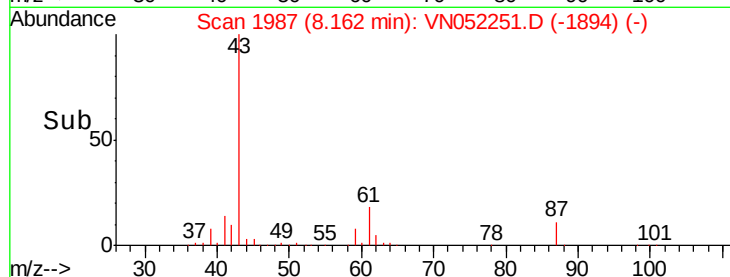
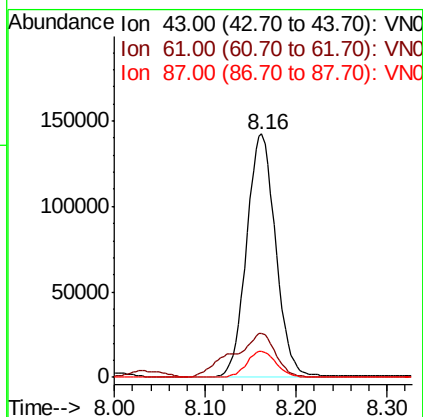
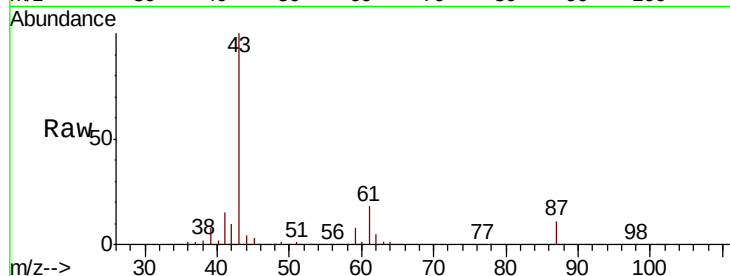
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	314945
Ion	Ratio	Lower	Upper
43	100		
61	16.8	14.2	21.4
87	10.7	8.4	12.6

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#44

Trichloroethene

Concen: 48.918 ug/l

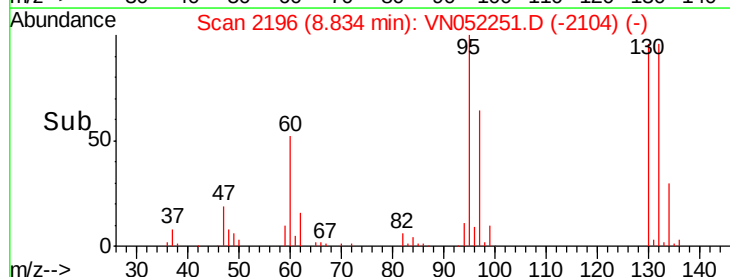
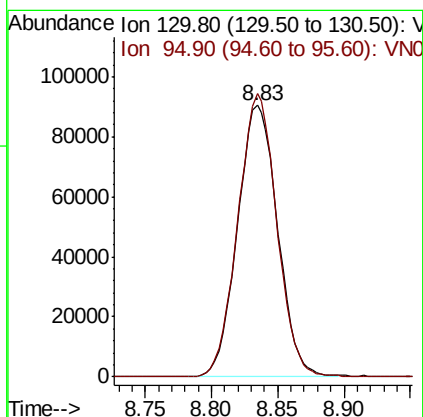
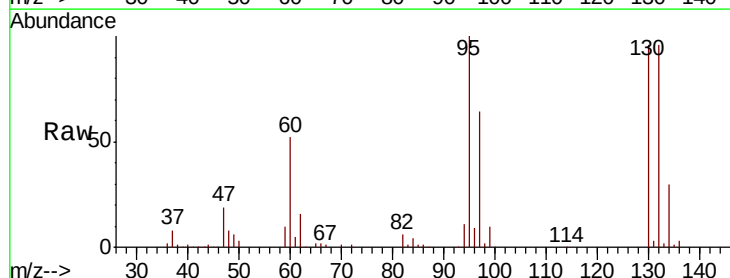
RT: 8.83 min Scan# 2196

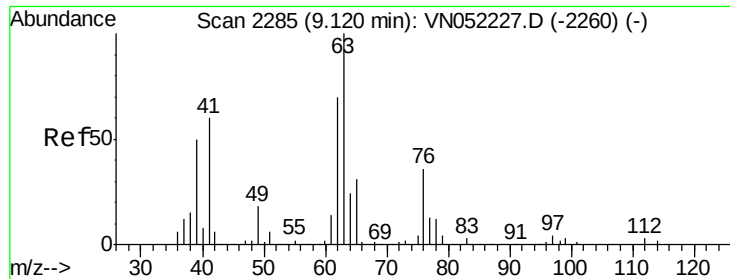
Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Tgt Ion:	130	Resp:	190582
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	201.6





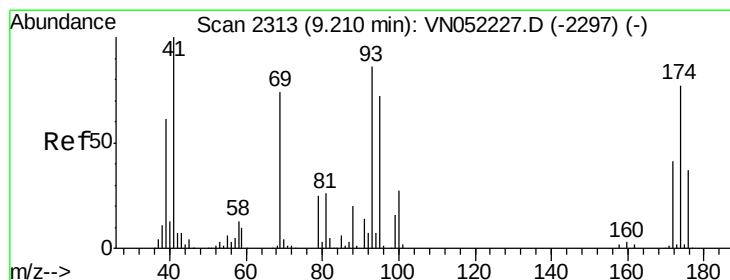
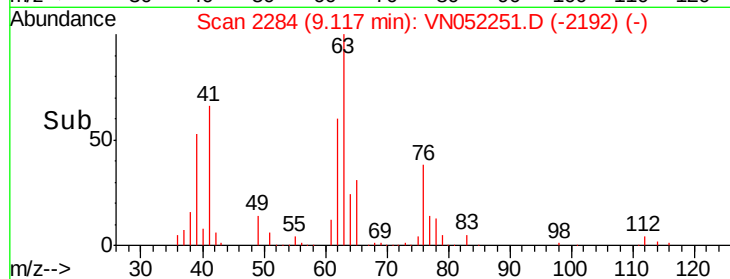
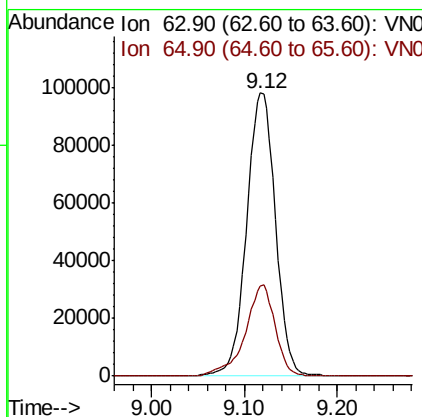
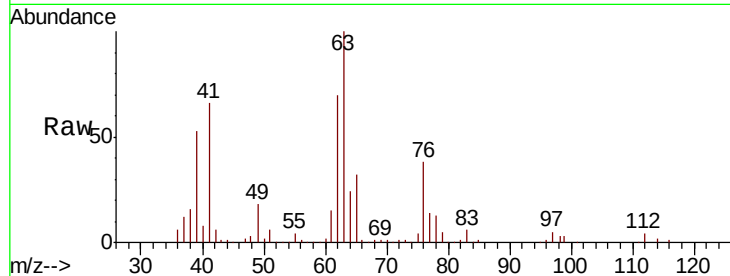
#45
 1,2-Dichloropropane
 Concen: 48.946 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 212592
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.8 37.2

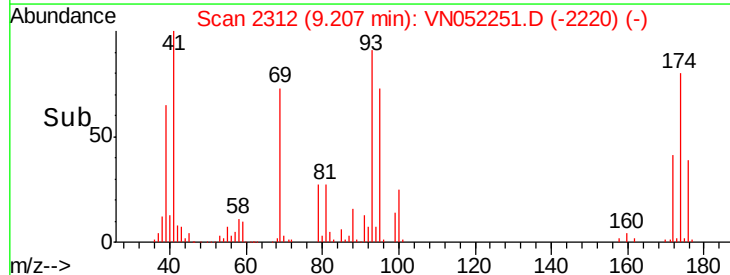
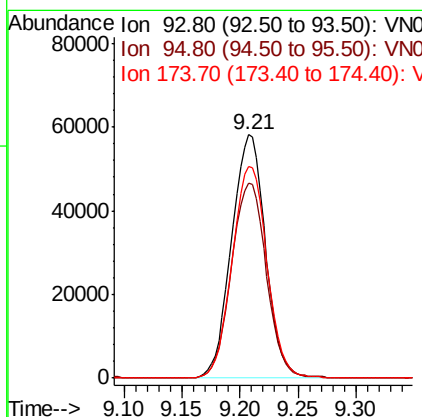
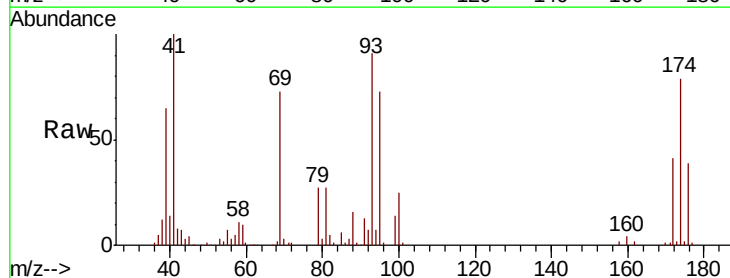
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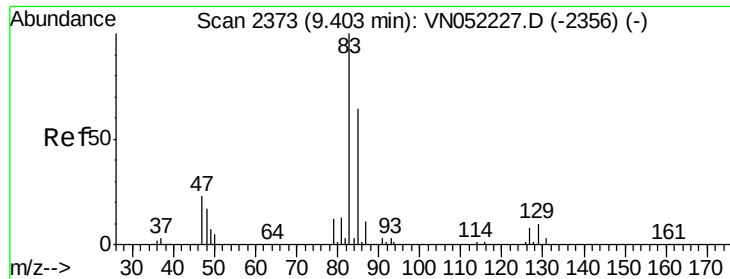
MMDadoda
 11/13/2018 2:54:18 PM



#46
 Dibromomethane
 Concen: 47.315 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Tgt Ion: 93 Resp: 118045
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.4
 174 89.3 72.1 108.1





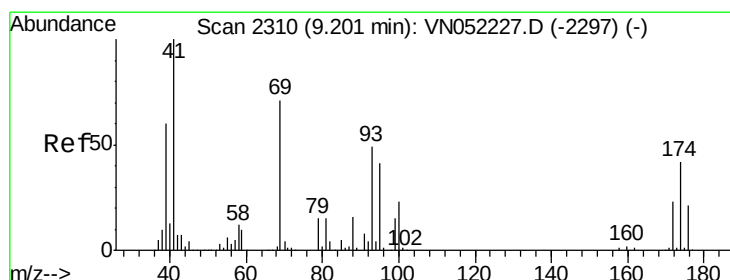
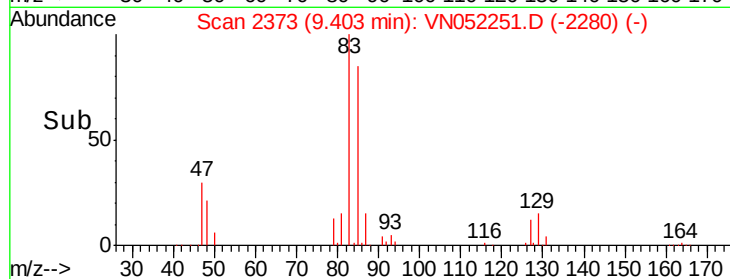
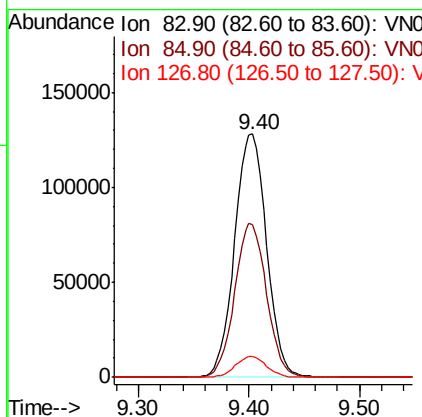
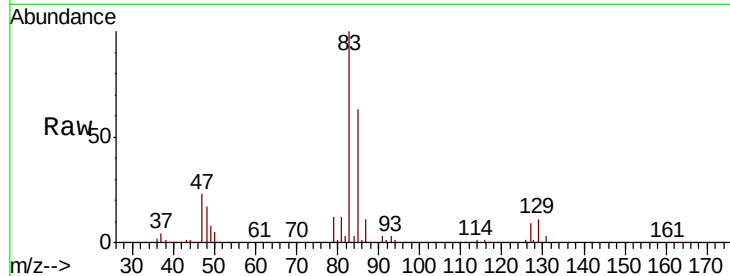
#47
Bromodichloromethane
Concen: 49.837 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	257612		
85	62.6	51.2	76.8	
127	8.7	6.2	9.4	

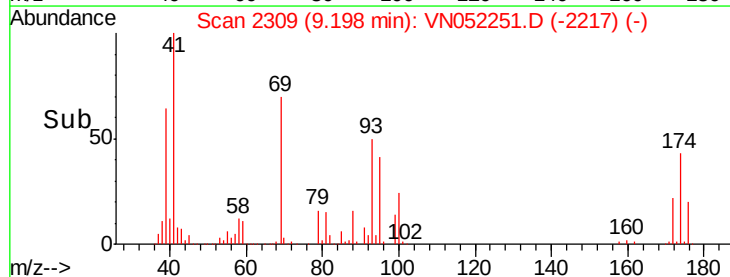
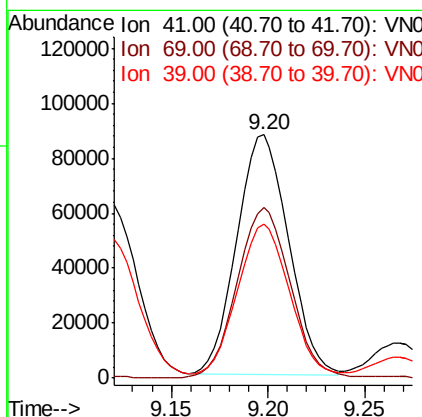
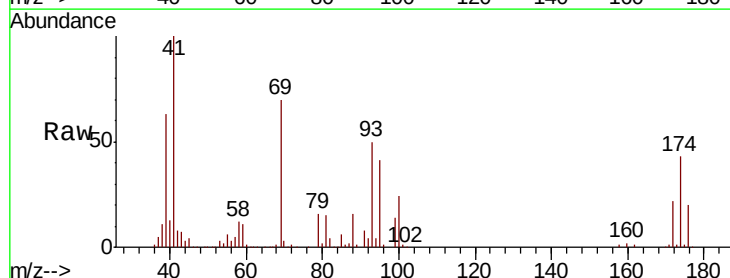
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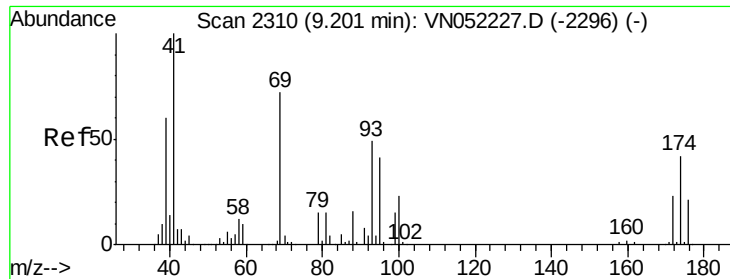
MMDadoda
11/13/2018 2:54:18 PM



#48
Methyl methacrylate
Concen: 43.353 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	162614		
69	73.9	58.8	88.2	
39	65.0	50.7	76.1	





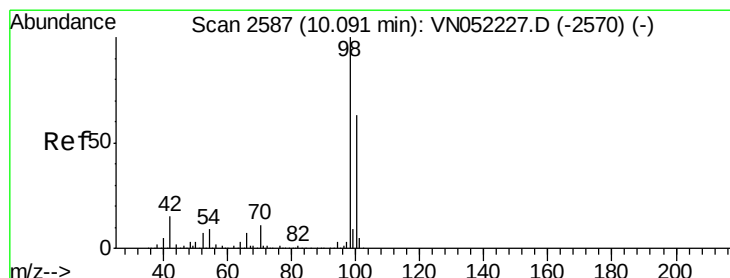
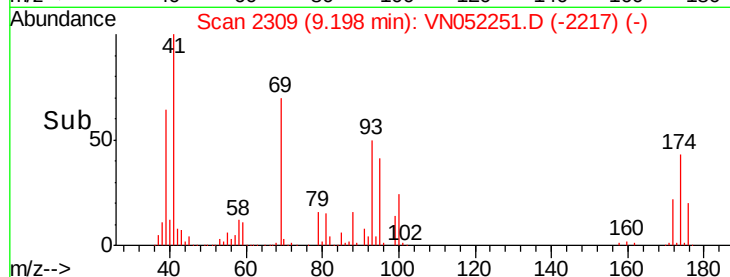
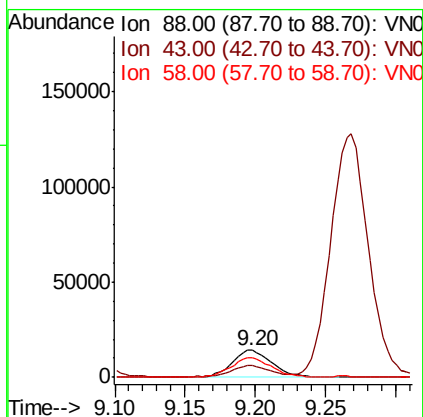
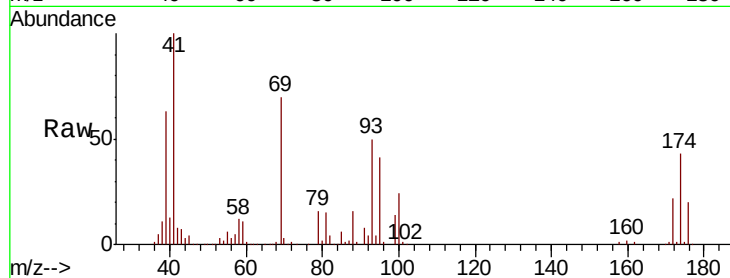
#49
1,4-Dioxane
Concen: 943.446 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.4	32.5	48.7
58	73.3	58.2	87.4

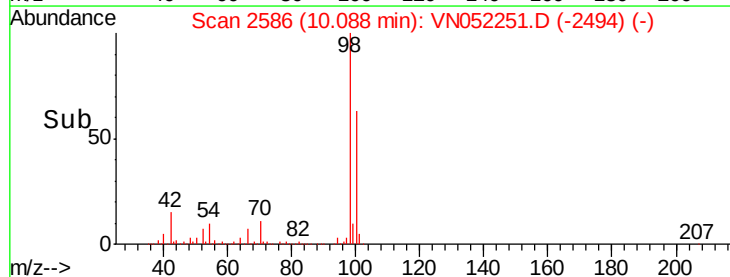
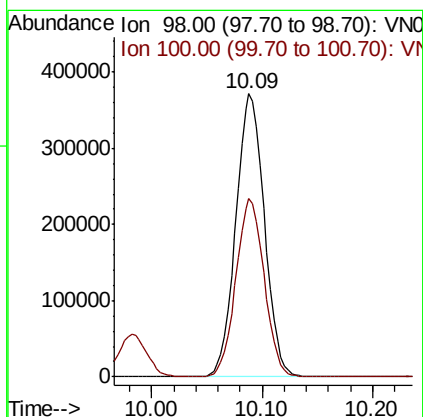
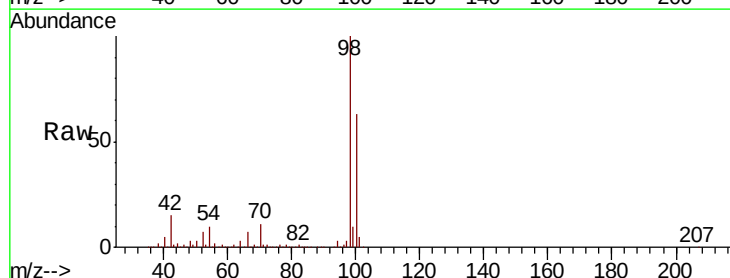
Manual Integrations
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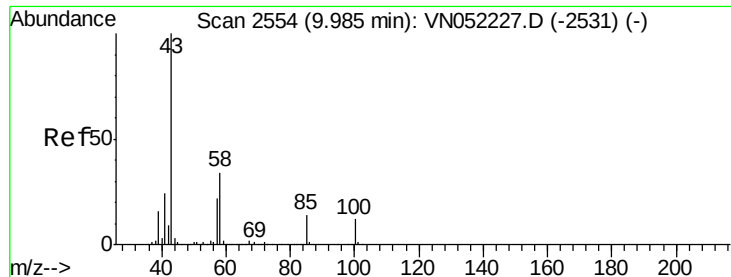
MMDadoda
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#50
Toluene-d8
Concen: 943.446 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.2	75.2





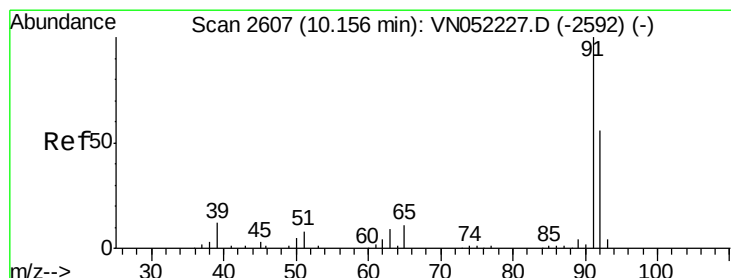
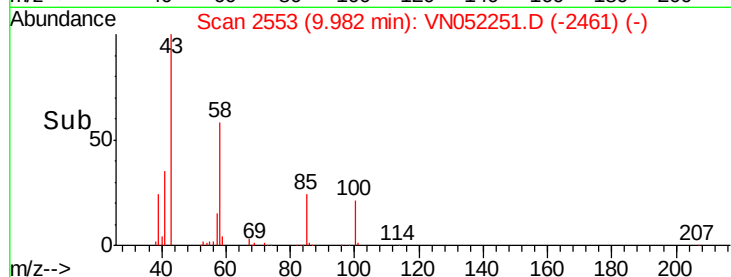
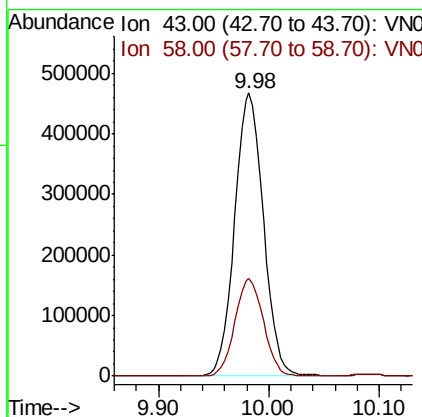
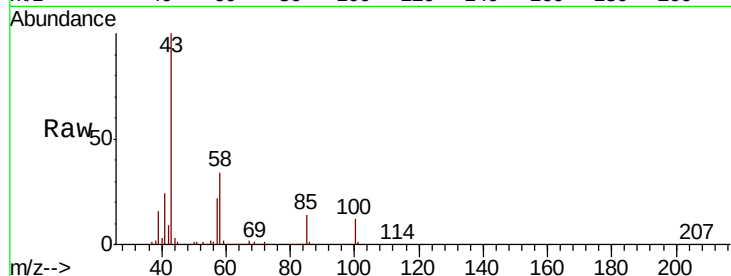
#51
4-Methyl-2-Pentanone
Concen: 214.681 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 844014
Ion Ratio Lower Upper
43 100
58 34.4 27.4 41.0

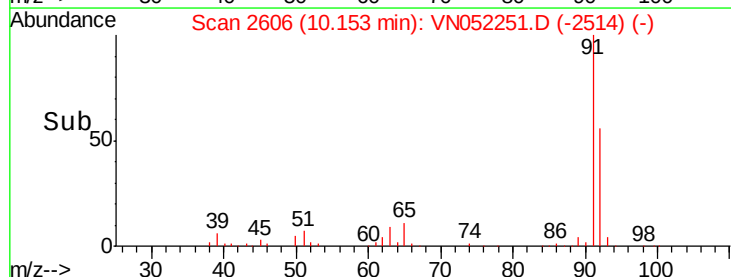
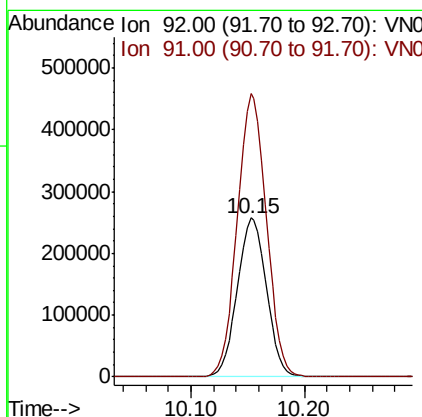
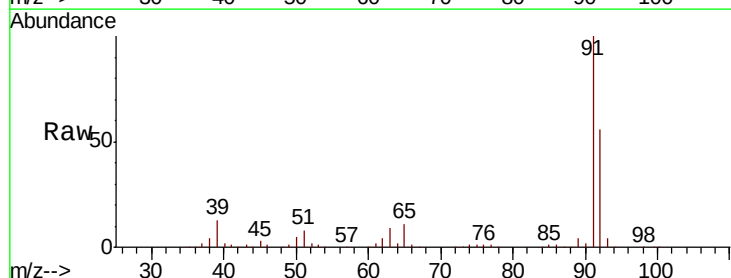
Manual Integrations
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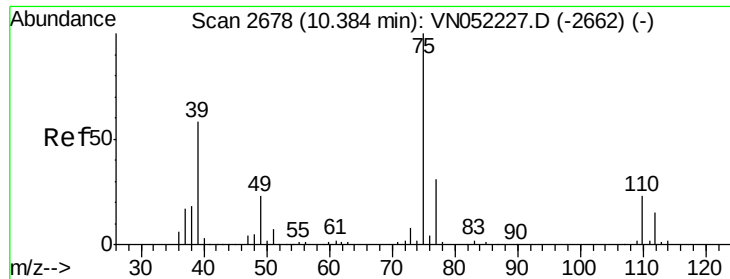
MMDadoda
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#52
Toluene
Concen: 49.424 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion: 92 Resp: 463526
Ion Ratio Lower Upper
92 100
91 177.7 142.5 213.7





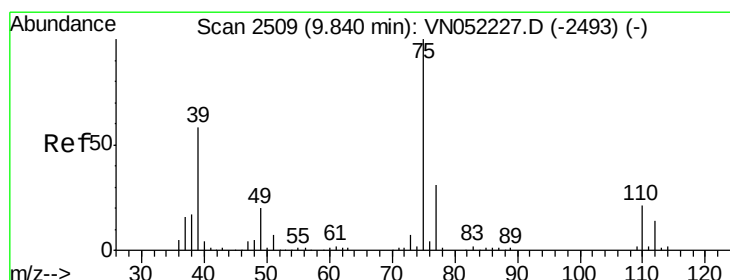
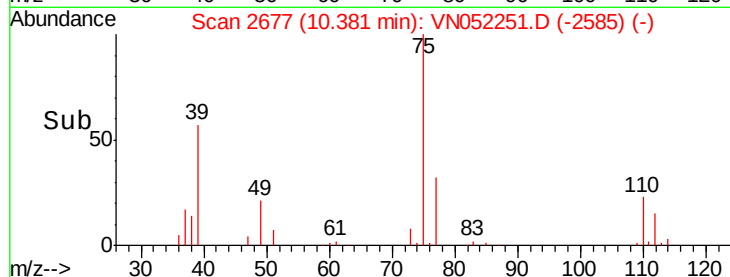
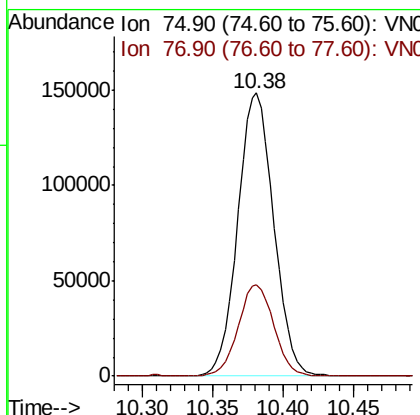
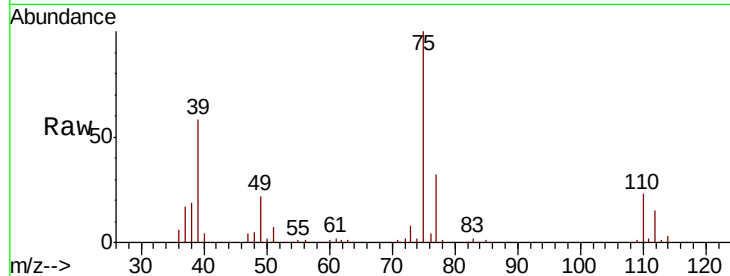
#53
t-1,3-Dichloropropene
Concen: 52.066 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 265581
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8

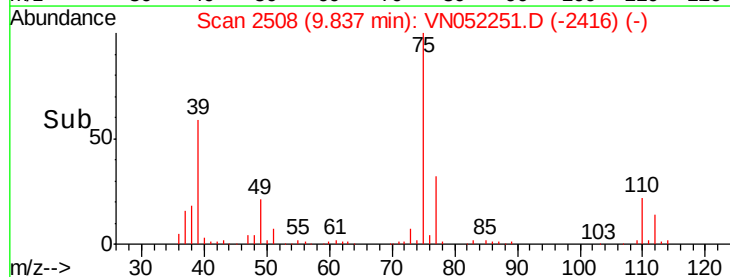
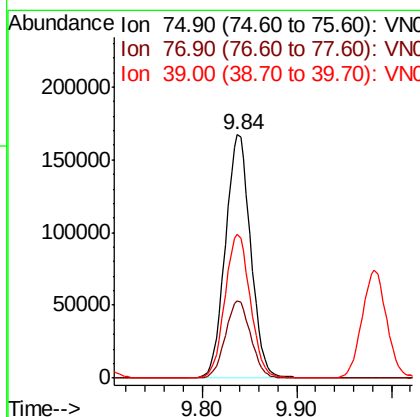
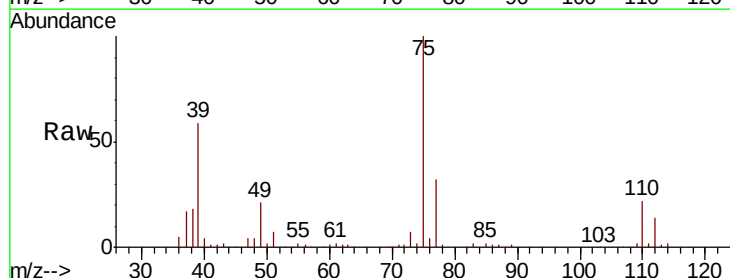
Manual Integrations
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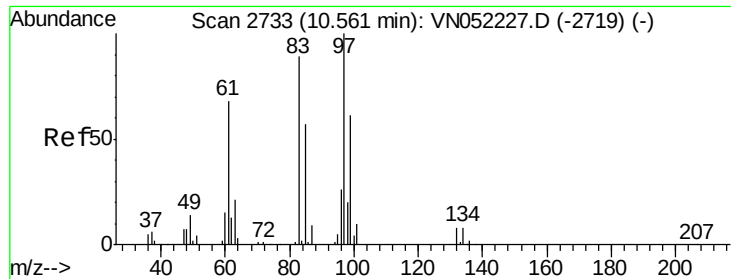
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#54
cis-1,3-Dichloropropene
Concen: 51.401 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion: 75 Resp: 309510
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 59.1 46.6 70.0





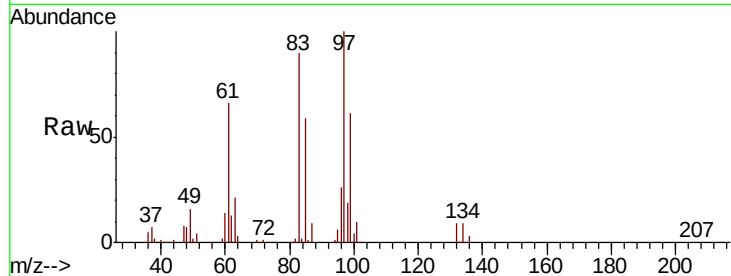
#55
 1,1,2-Trichloroethane
 Concen: 46.413 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.2	106.8
85	59.1	45.6	68.4
99	60.6	49.1	73.7

Manual Integrations
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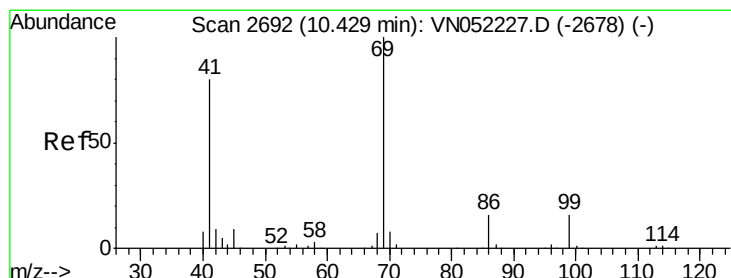
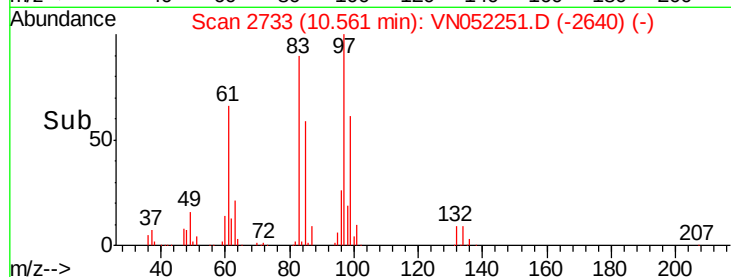
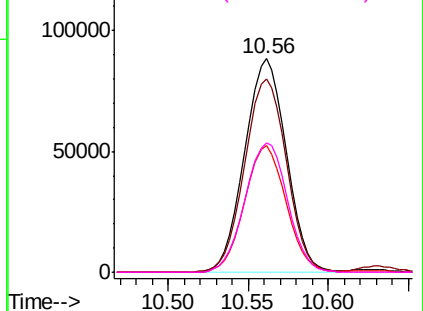
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

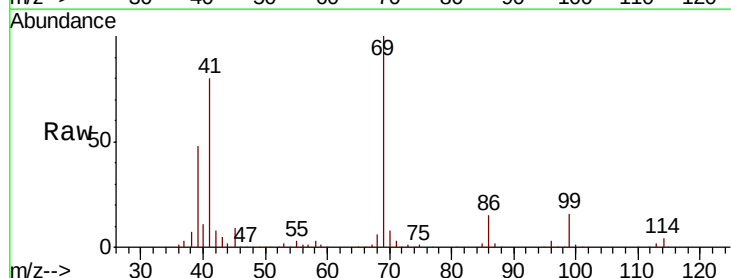
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 46.109 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	79.4	64.0	96.0
39	47.2	37.8	56.8

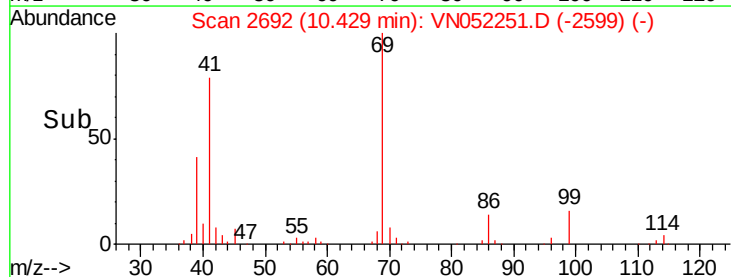
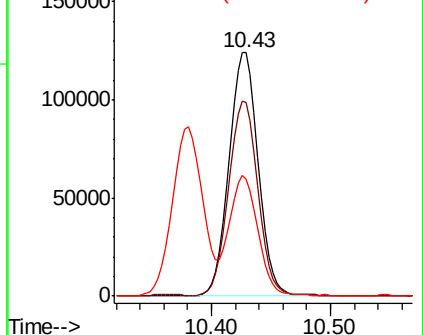


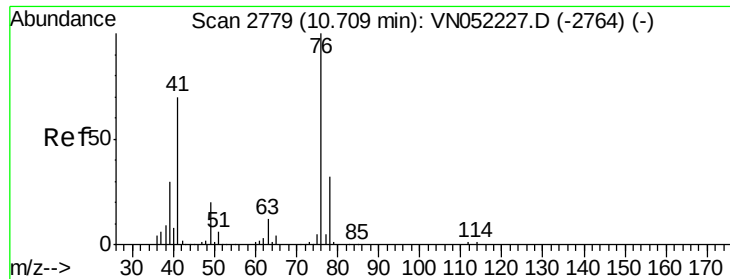
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 46.498 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 282156

Ion Ratio Lower Upper

76 100

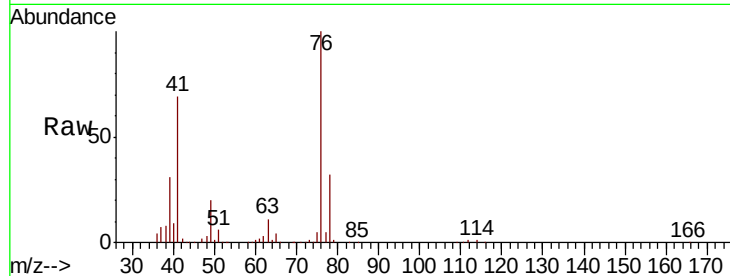
78 32.2 25.7 38.5

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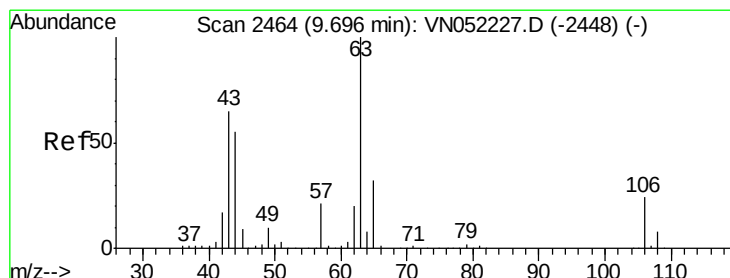
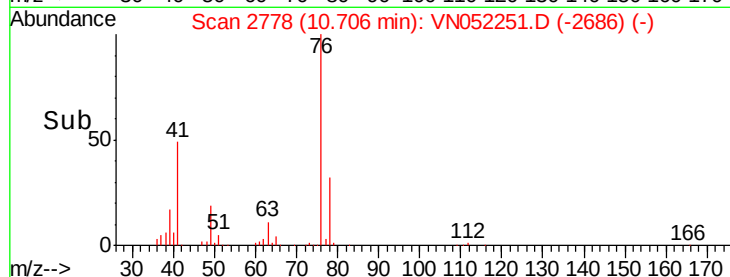
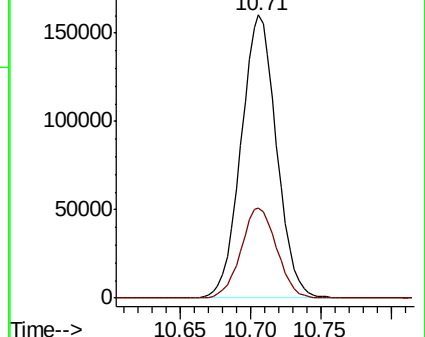
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 237.792 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052251.D

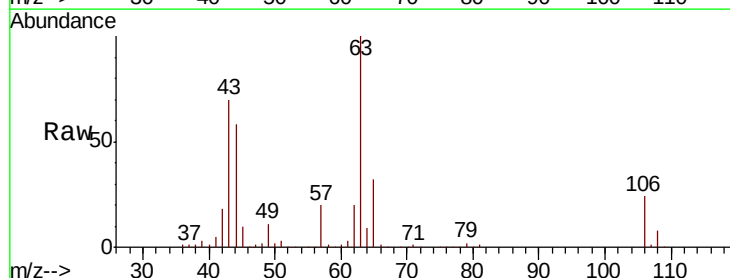
Acq: 12 Nov 2018 9:37

Tgt Ion: 63 Resp: 603227

Ion Ratio Lower Upper

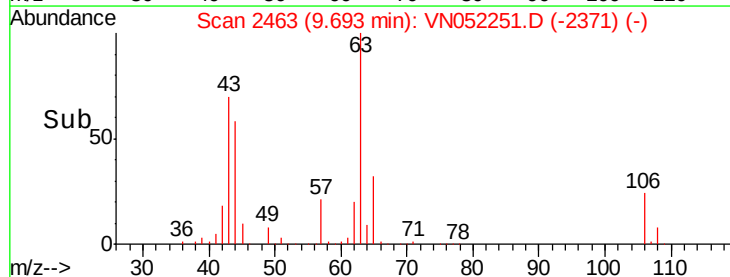
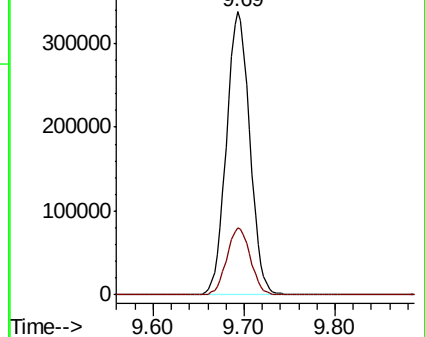
63 100

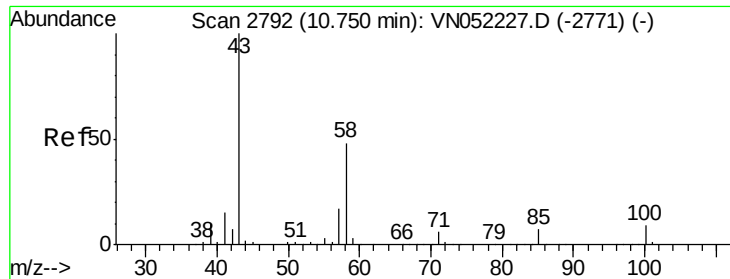
106 23.8 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





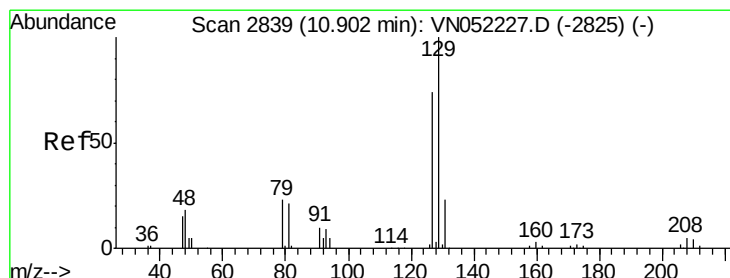
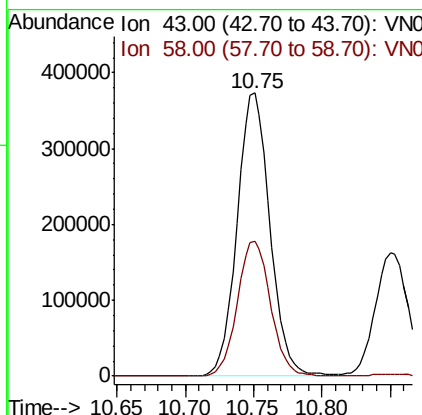
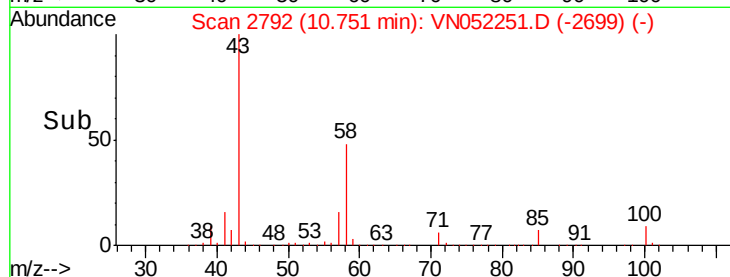
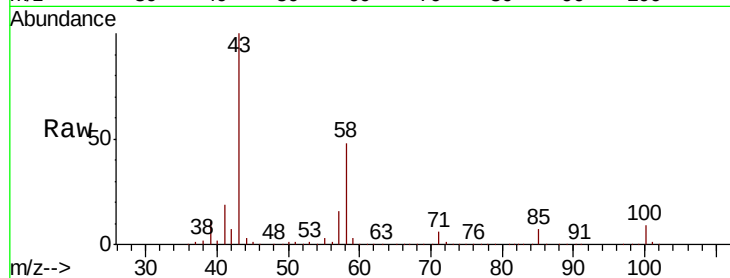
#59
2-Hexanone
Concen: 225.336 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Resp	621902
Ion Ratio	100	48.2	Lower	Upper
		24.1		72.3

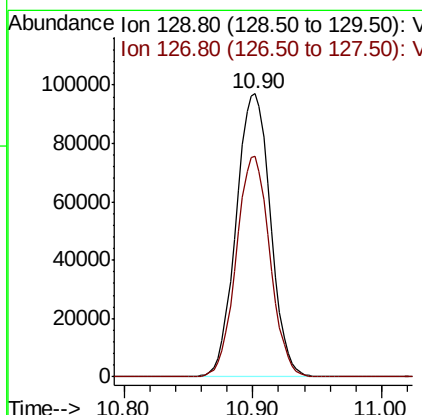
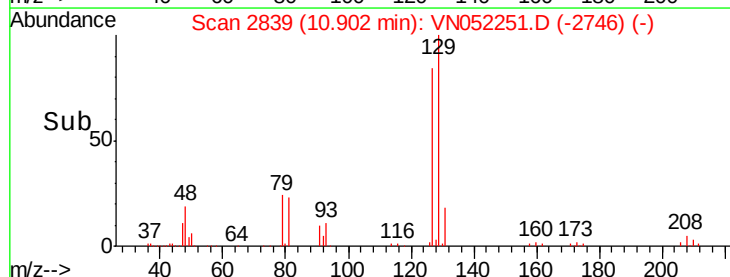
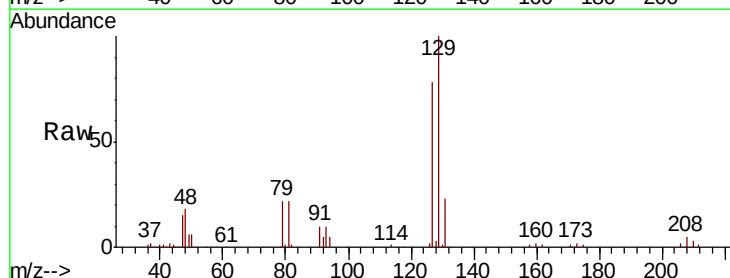
Manual Integrations
APPROVED

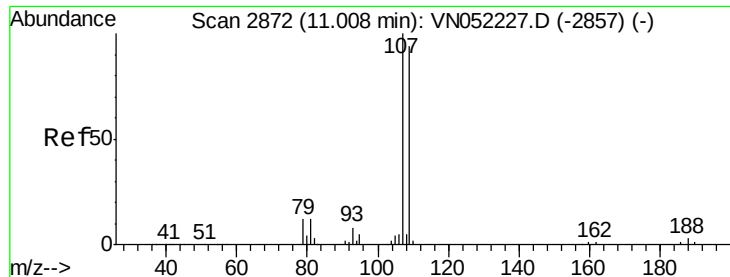
MMDadoda
11/13/2018 2:54:18 PM



#60
Dibromochloromethane
Concen: 52.407 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	129	127	Resp	180198
Ion Ratio	100	76.2	Lower	Upper
		38.0		114.1





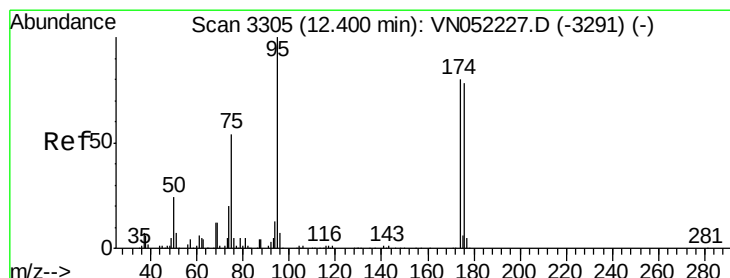
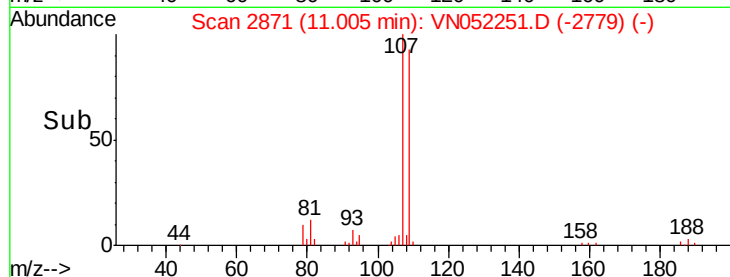
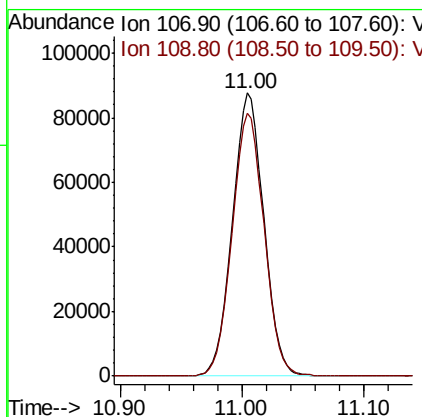
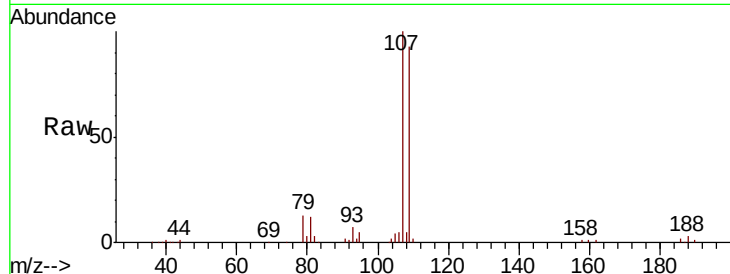
#61
 1,2-Dibromoethane
 Concen: 46.892 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.8	113.6

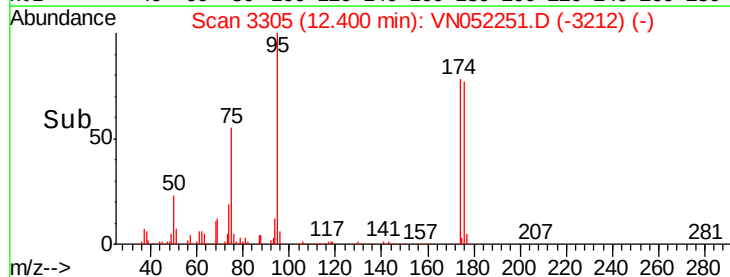
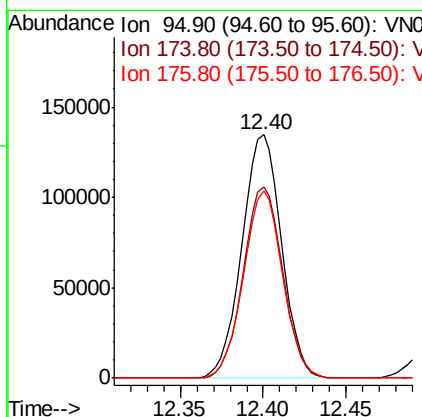
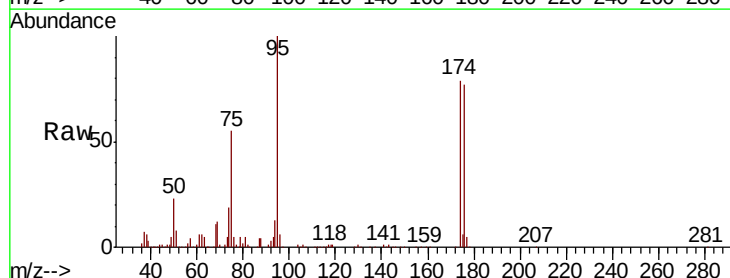
Manual Integrations
 APPROVED

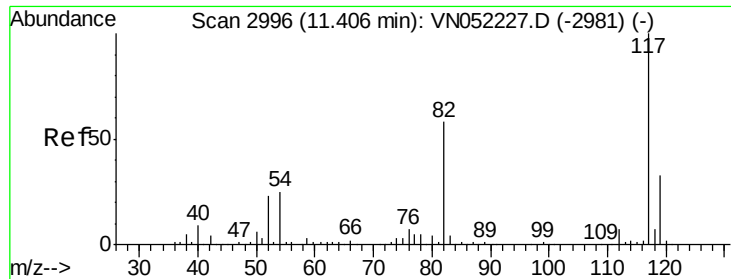
MMDadoda
 11/13/2018 2:54:18 PM



#62
 4-Bromofluorobenzene
 Concen: 46.892 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	159.4
176	76.2	0.0	157.8





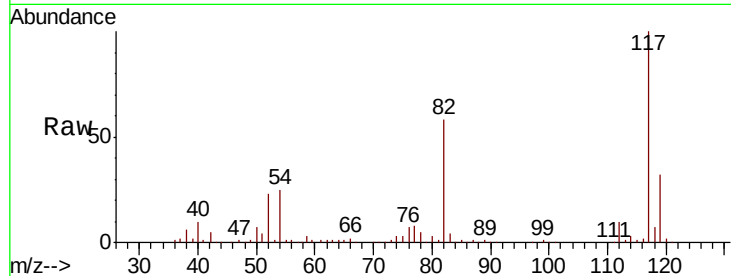
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.2	69.2
119	32.5	26.2	39.4

Manual Integrations
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MMDadoda
11/13/2018 2:54:18 PM

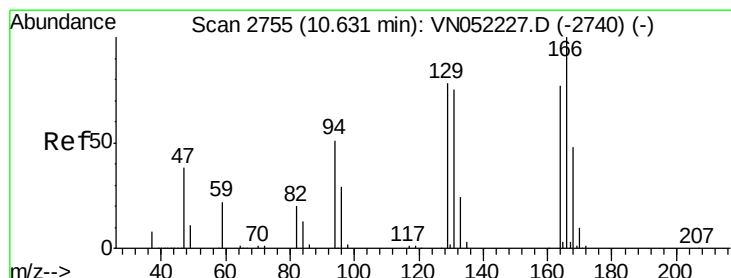
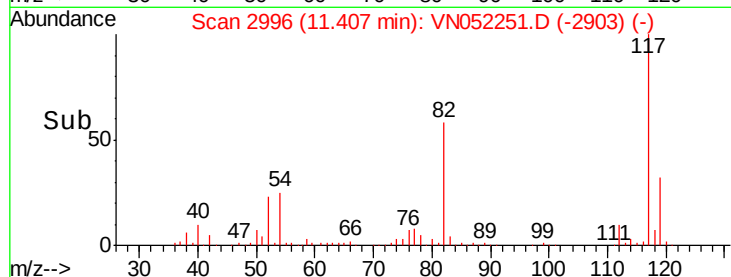
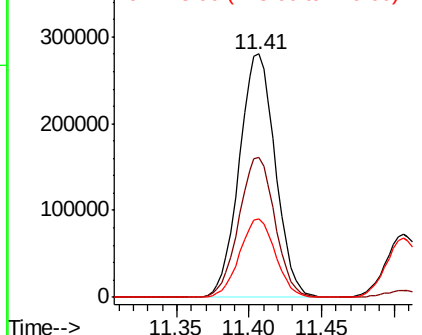


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.717 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	103.6	155.4
129	94.4	81.0	121.6
131	93.0	77.9	116.9

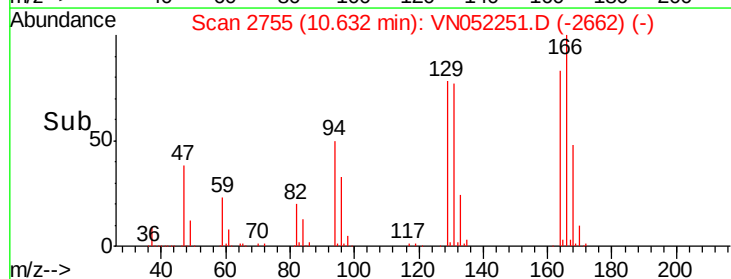
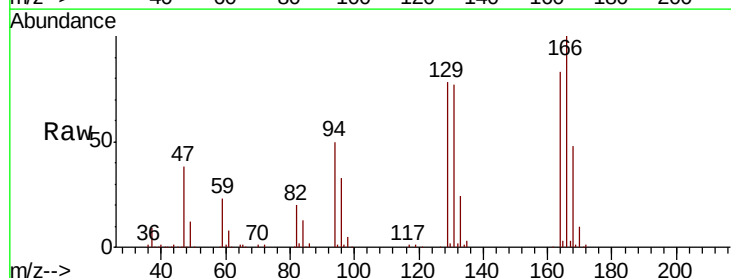
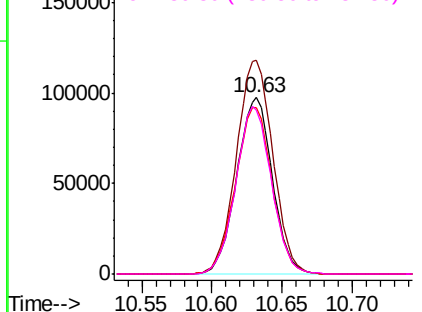
Abundance

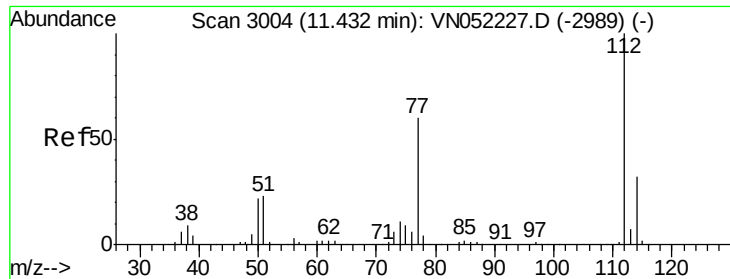
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





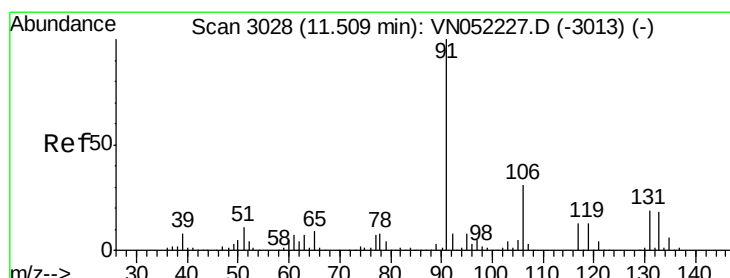
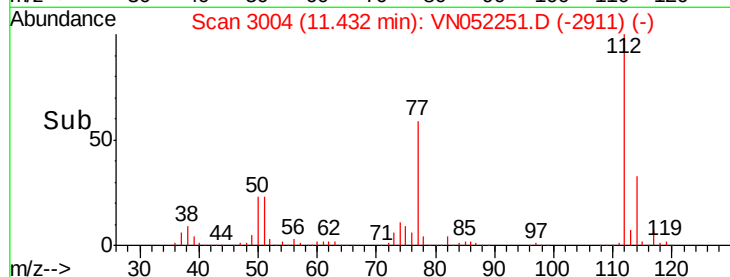
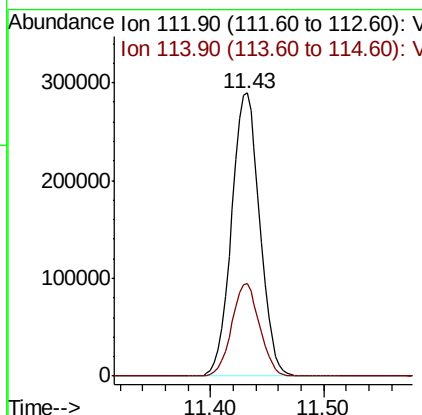
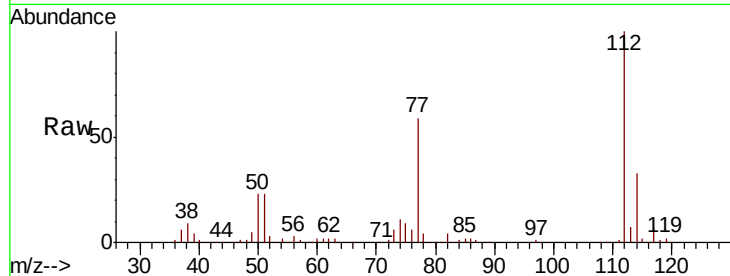
#65
Chlorobenzene
Concen: 48.751 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 500935
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5

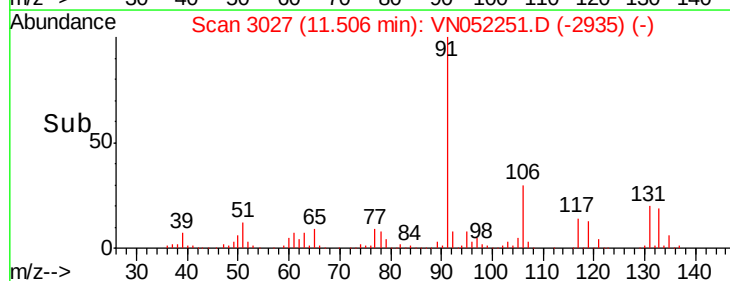
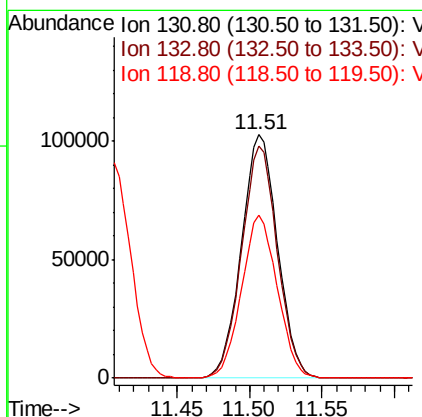
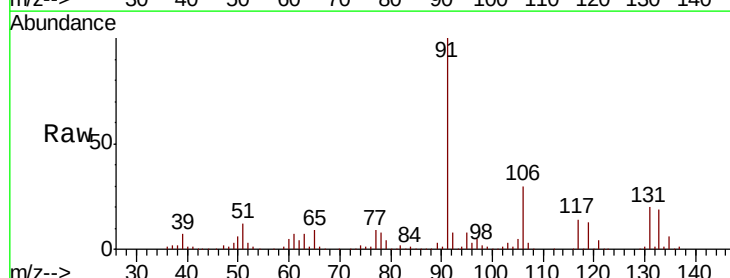
Manual Integrations
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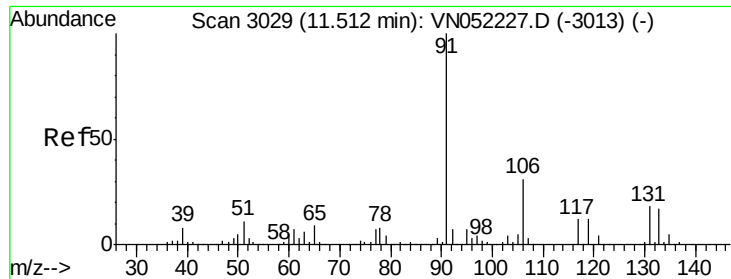
MMDadoda
11/13/2018 2:54:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.220 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion:131 Resp: 178281
Ion Ratio Lower Upper
131 100
133 94.4 48.3 144.9
119 66.2 34.6 103.9





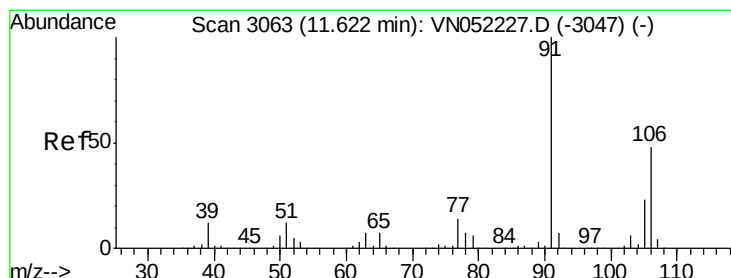
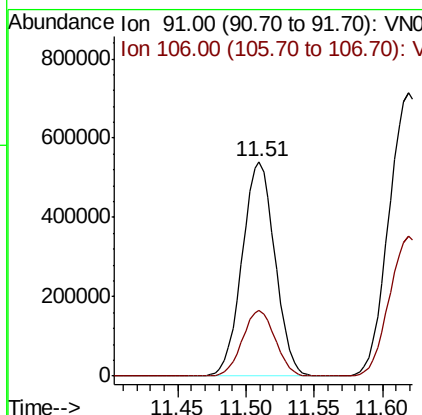
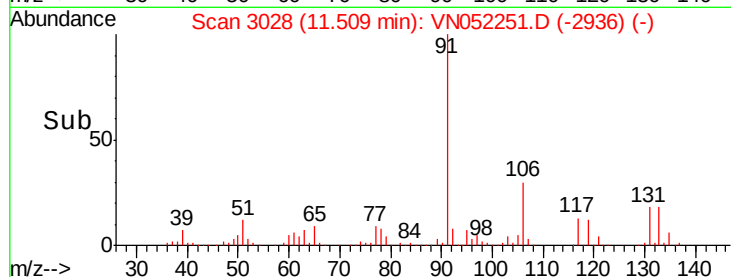
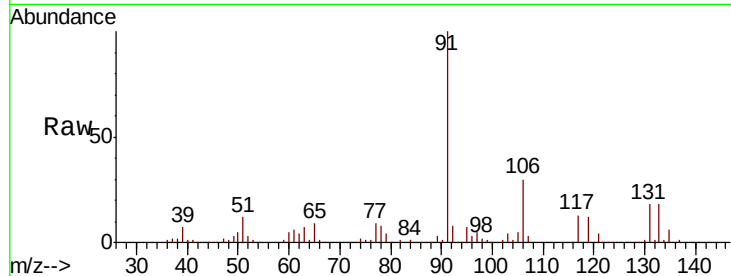
#67
Ethyl Benzene
Concen: 49.970 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 903161
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1

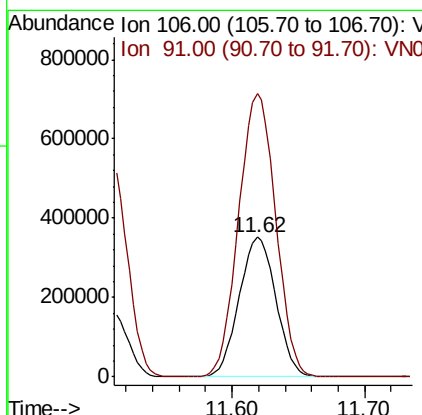
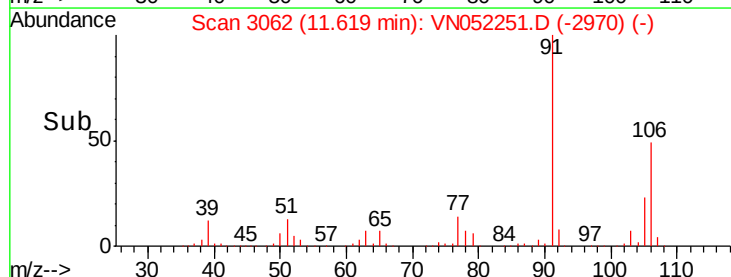
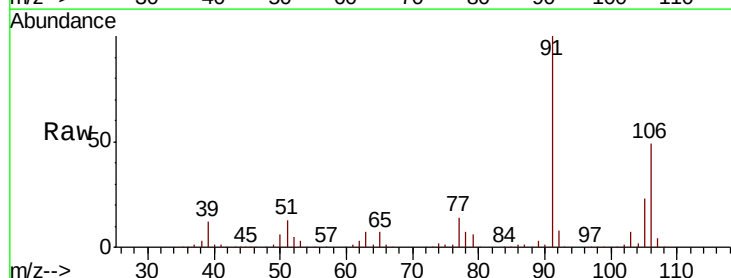
Manual Integrations
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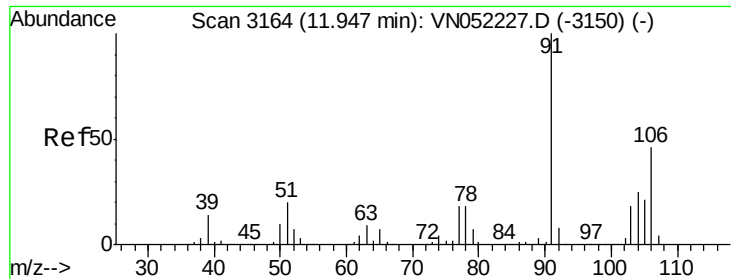
MMDadoda
11/13/2018 2:54:18 PM



#68
m/p-Xylenes
Concen: 100.773 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion: 106 Resp: 678301
Ion Ratio Lower Upper
106 100
91 204.6 165.7 248.5





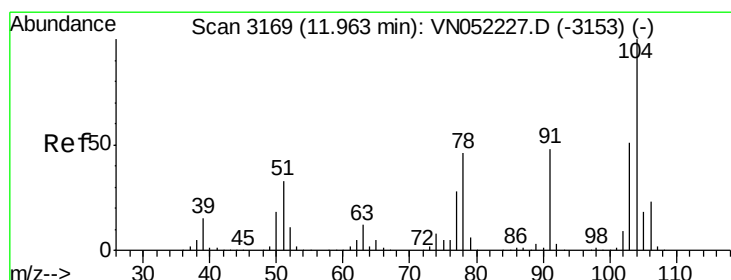
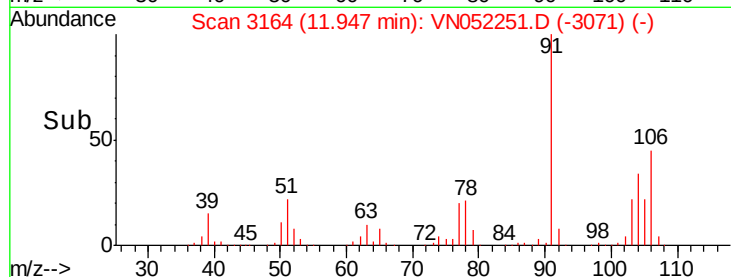
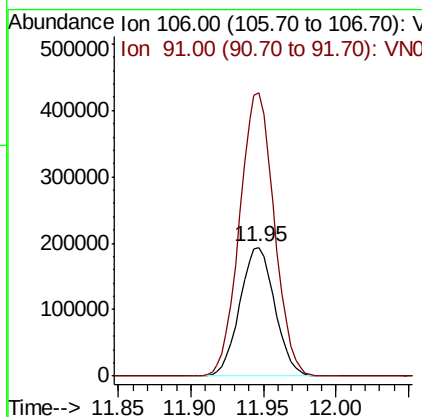
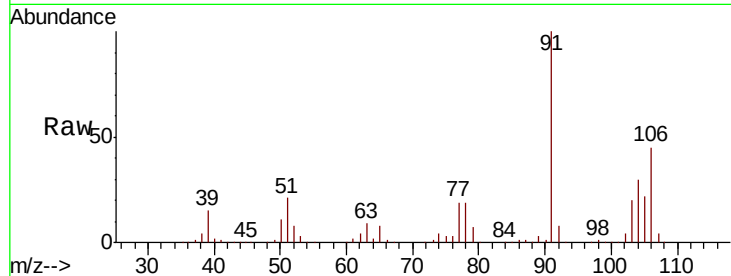
#69
o-Xylene
Concen: 50.588 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.9	108.5	325.5

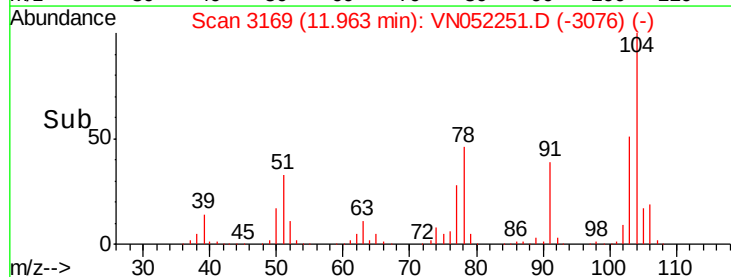
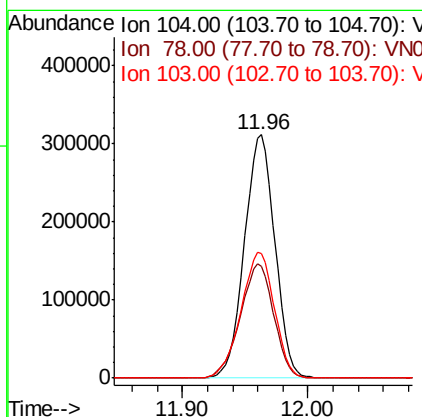
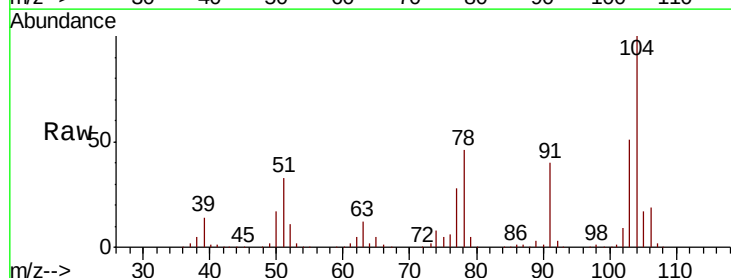
Manual Integrations
APPROVED

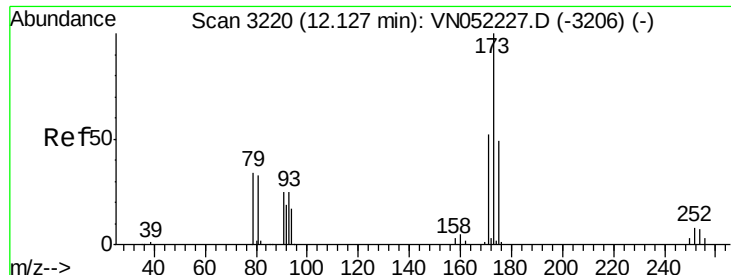
MMDadoda
11/13/2018 2:54:18 PM



#70
Styrene
Concen: 50.819 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.8	62.6
103	56.5	44.9	67.3





#71

Bromoform

Concen: 51.820 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 107603

Ion Ratio Lower Upper

173 100

175 48.3 24.5 73.5

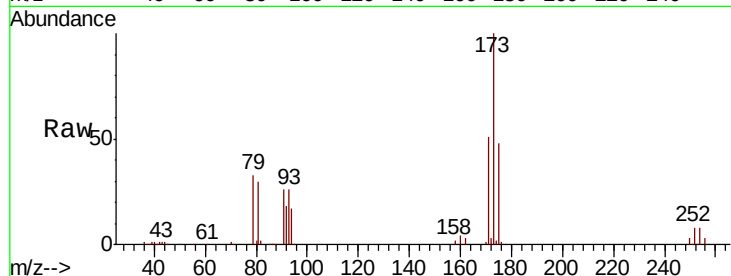
254 0.0 0.0 0.0

Manual Integrations

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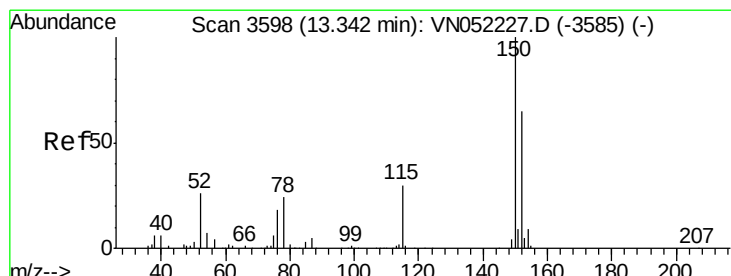
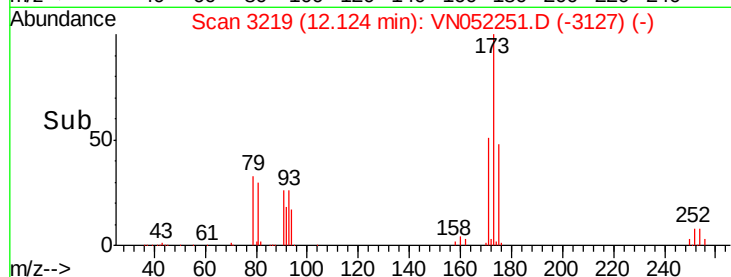
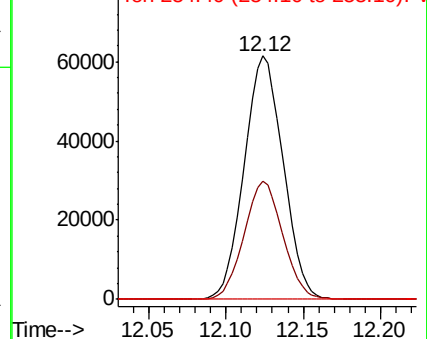


Abundance

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: VN052251.D

Acq: 12 Nov 2018 9:37

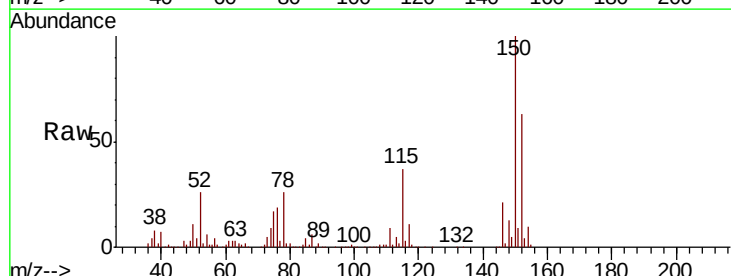
Tgt Ion:152 Resp: 224858

Ion Ratio Lower Upper

152 100

115 59.1 29.8 89.5

150 175.5 0.0 350.2

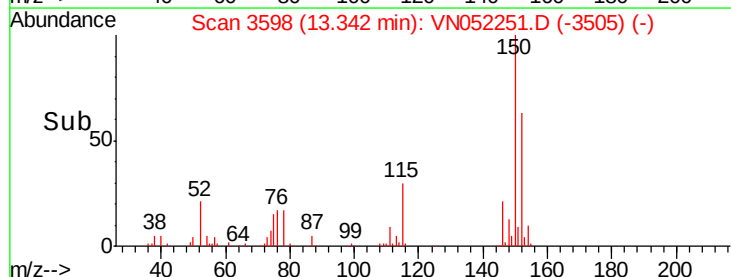
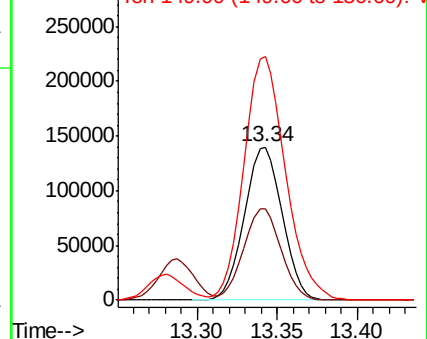


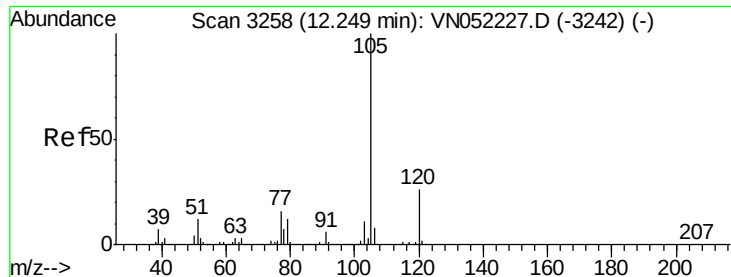
Abundance

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





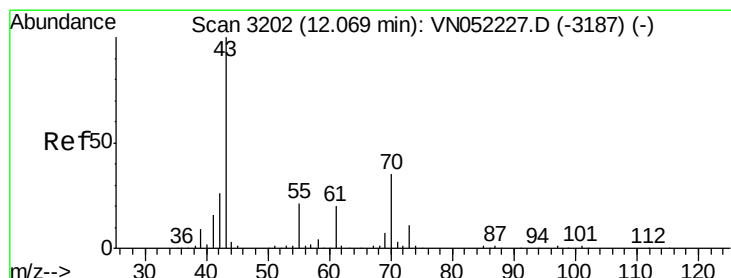
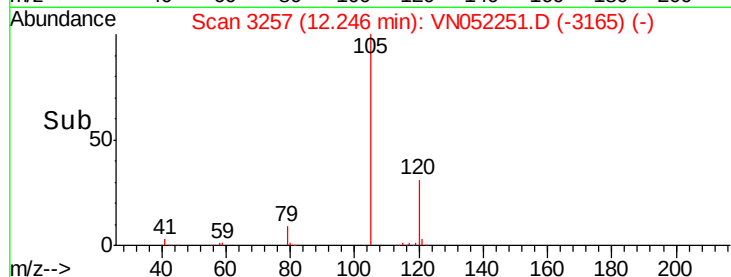
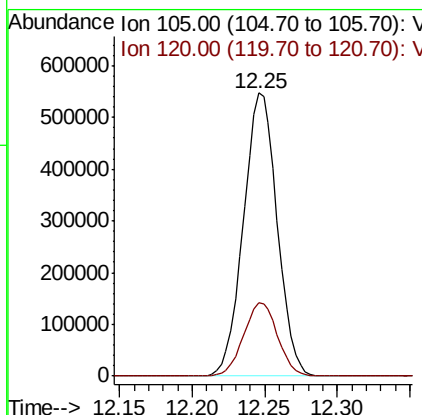
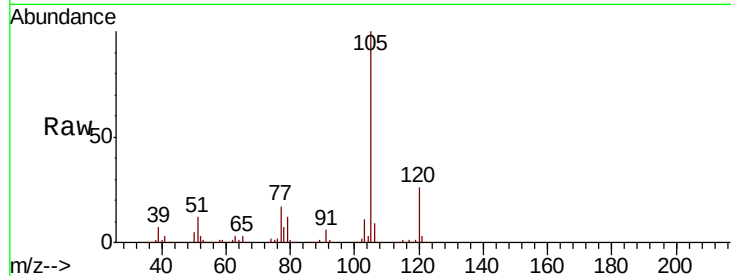
#73
Isopropylbenzene
Concen: 48.122 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.1

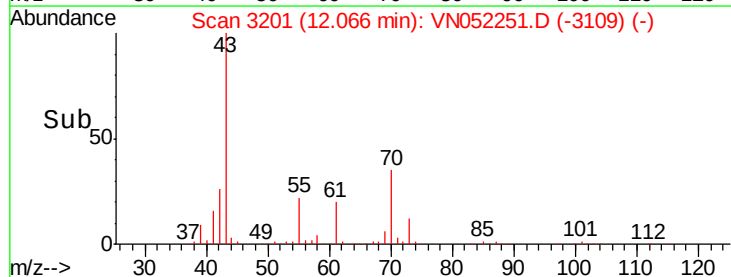
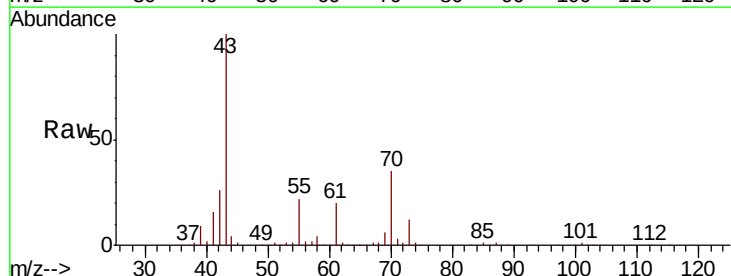
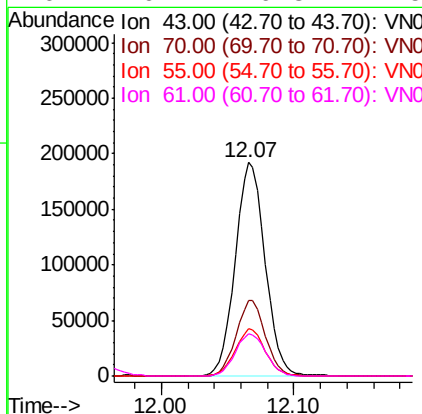
Manual Integrations
APPROVED

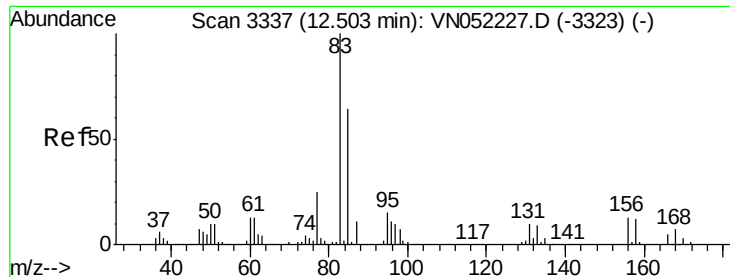
MMDadoda
11/13/2018 2:54:18 PM



#74
N-ethyl acetate
Concen: 44.825 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.9	28.2	42.2
55	22.3	17.4	26.2
61	20.4	16.3	24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 41.534 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

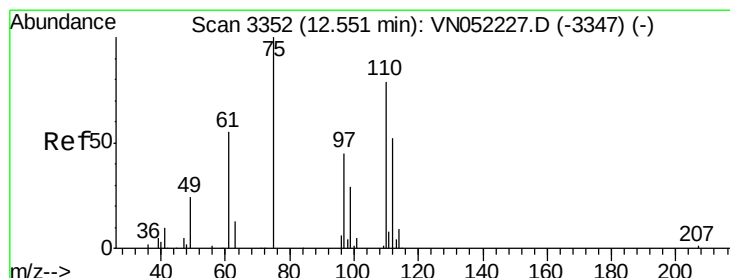
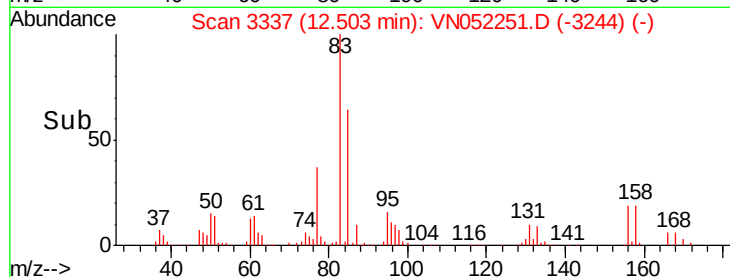
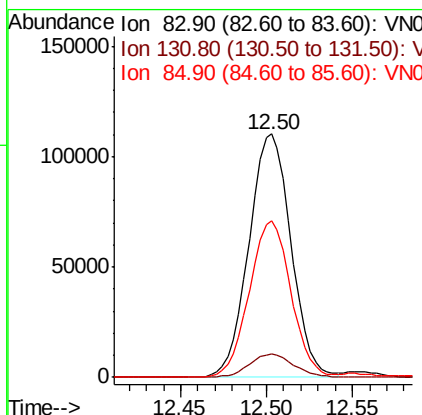
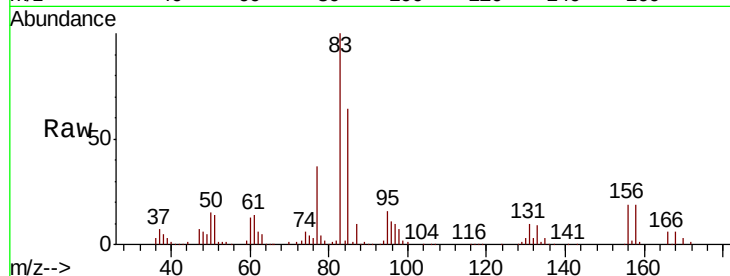
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187161
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	63.6	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 40.792 ug/l m

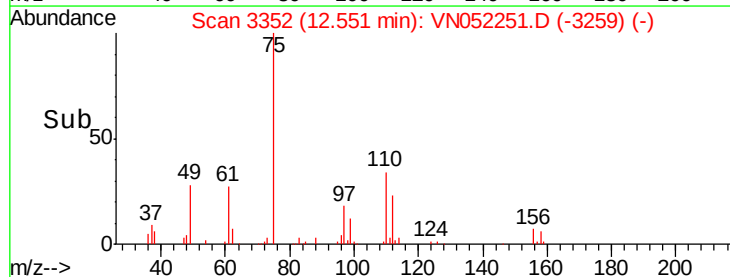
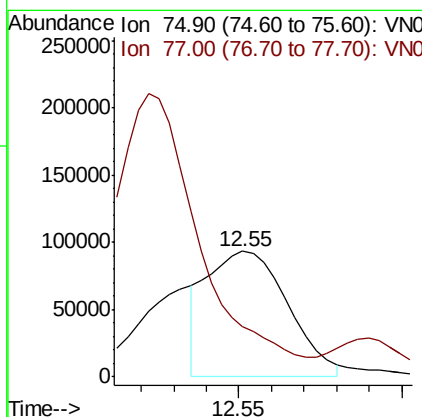
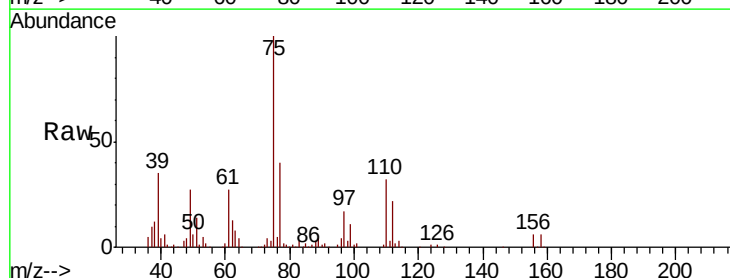
RT: 12.55 min Scan# 3352

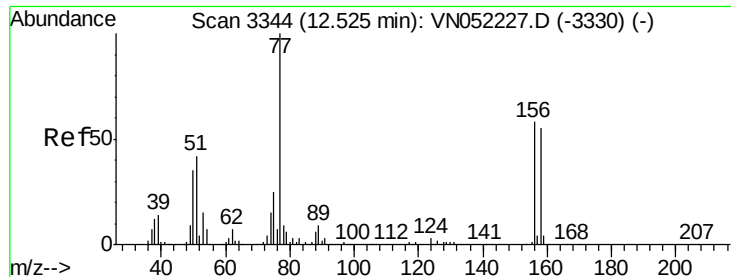
Delta R.T. 0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Tgt Ion:	75	Resp:	162284
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





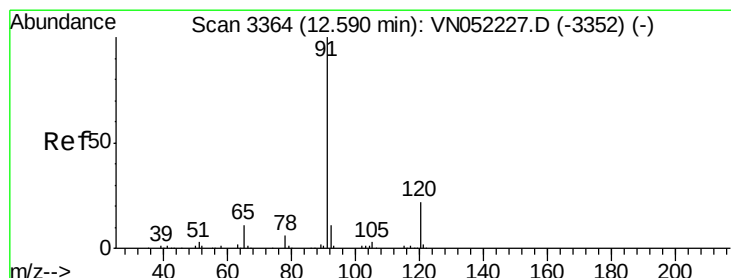
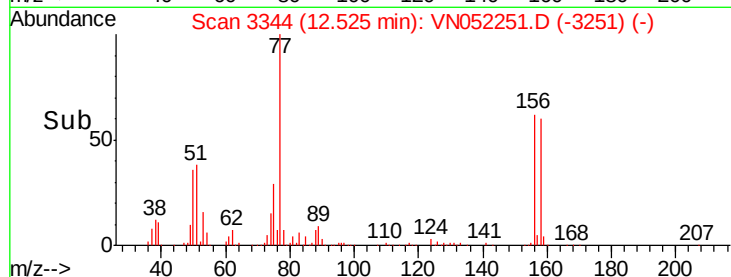
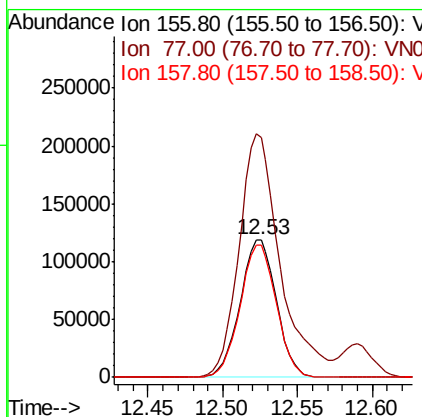
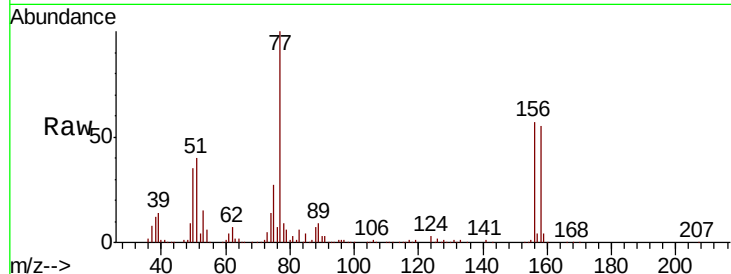
#77
Bromobenzene
Concen: 46.482 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.4	101.1	303.3
158	96.4	47.8	143.3

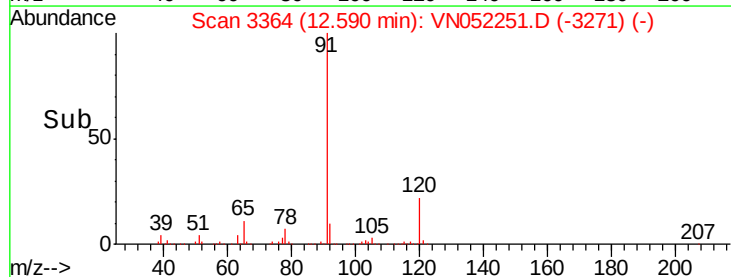
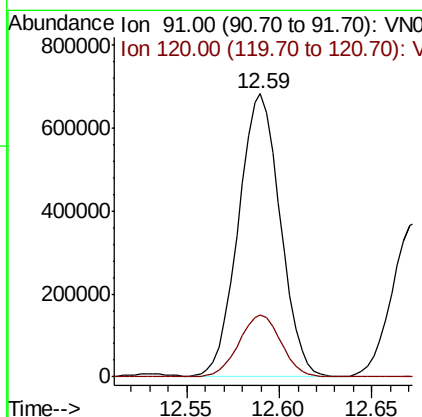
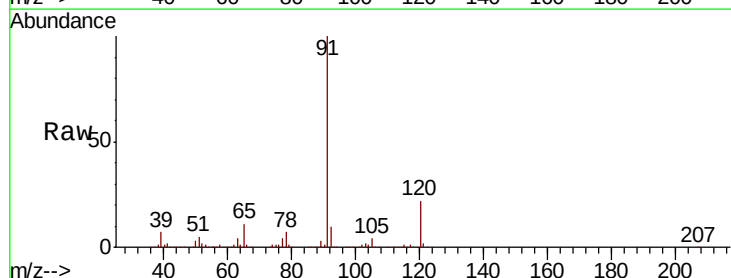
Manual Integrations
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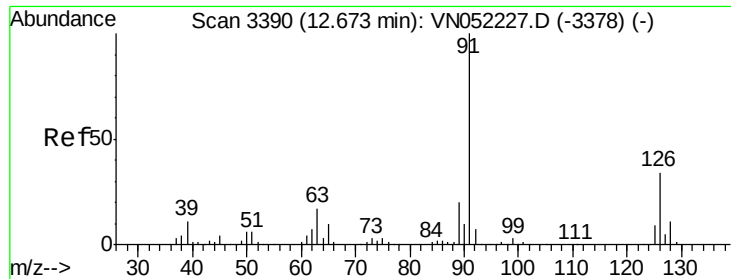
MMDadoda
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#78
n-propylbenzene
Concen: 49.621 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





#79

2-Chlorotoluene

Concen: 48.240 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 601633

Ion Ratio Lower Upper

91 100

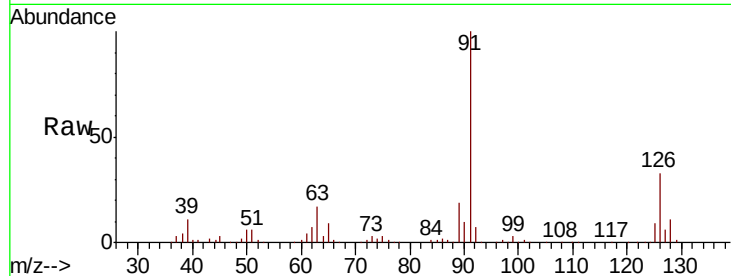
126 33.8 17.0 51.0

Manual Integrations

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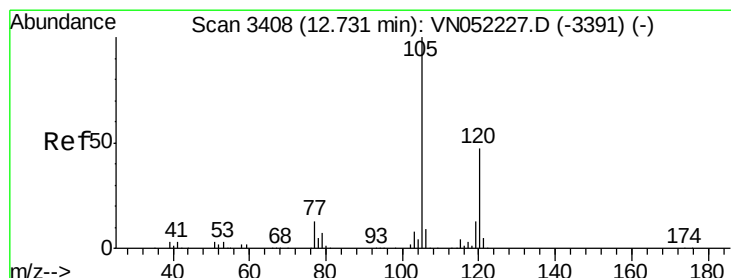
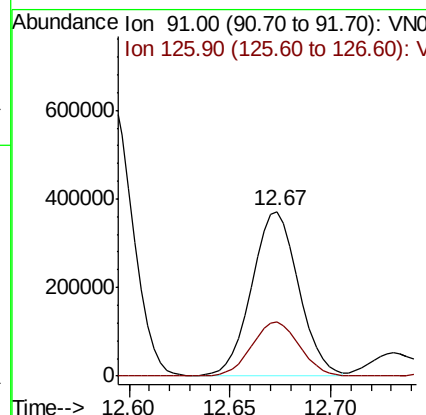
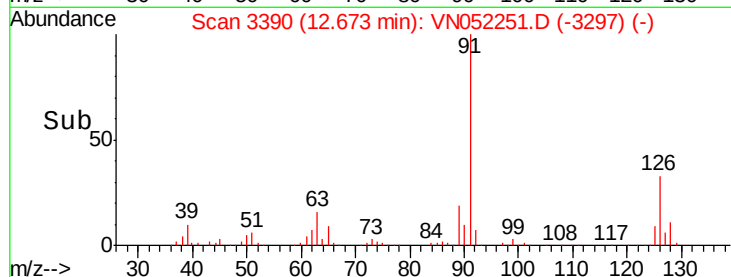
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Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 49.348 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052251.D

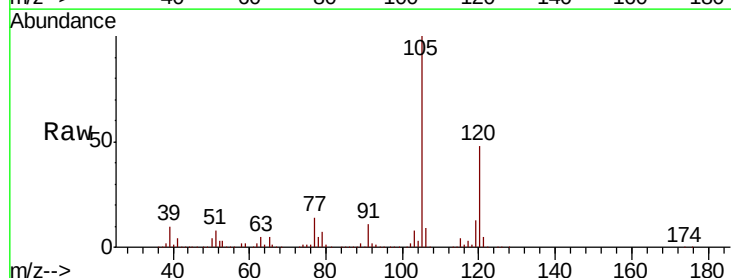
Acq: 12 Nov 2018 9:37

Tgt Ion: 105 Resp: 721375

Ion Ratio Lower Upper

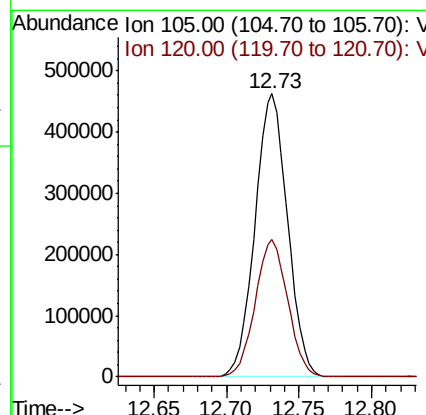
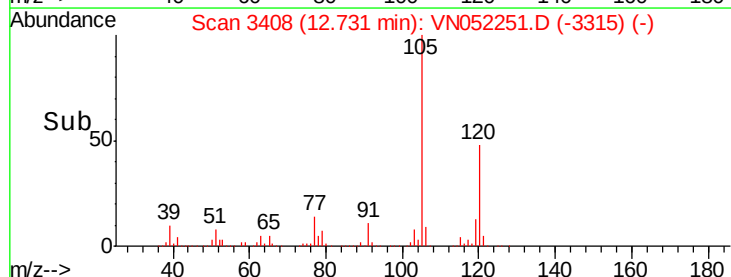
105 100

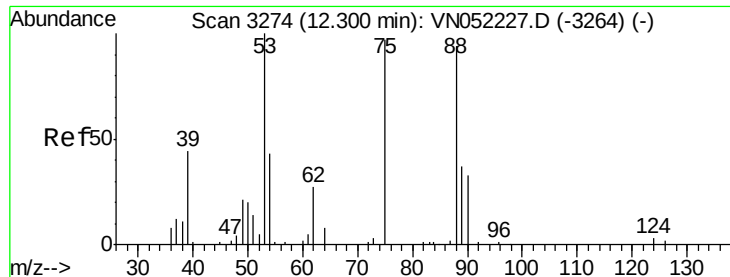
120 48.5 23.9 71.8



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: 49.166 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 57302

Ion Ratio Lower Upper

75 100

53 105.6 84.0 126.0

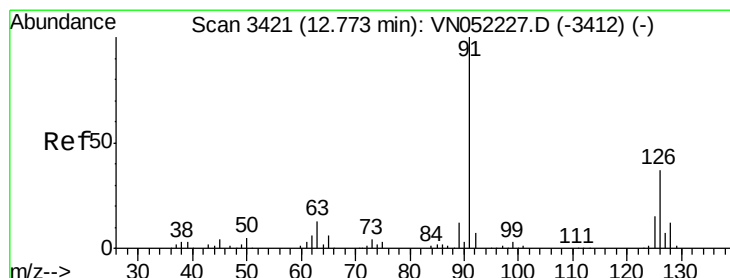
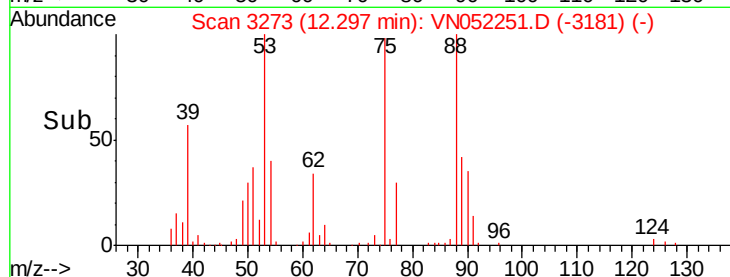
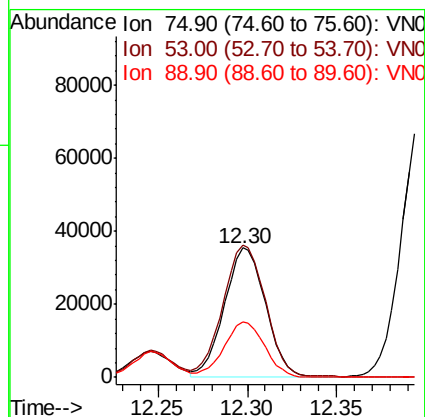
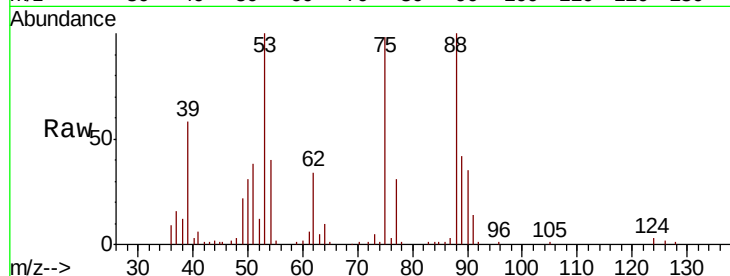
89 42.4 33.7 50.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 48.633 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052251.D

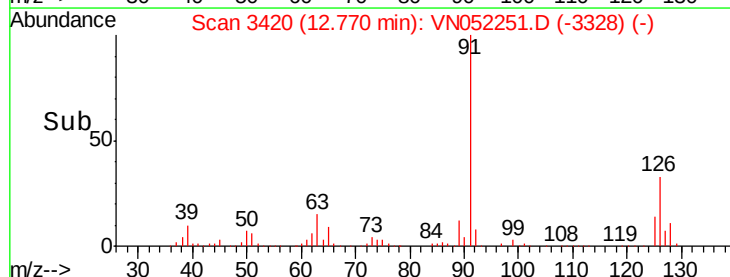
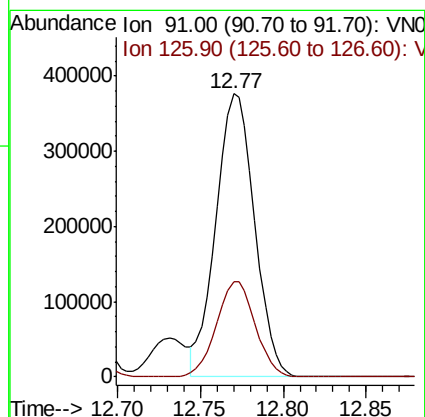
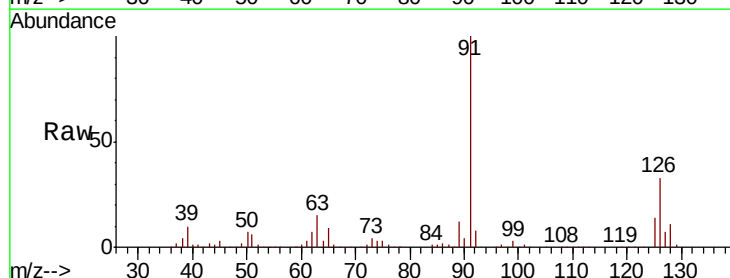
Acq: 12 Nov 2018 9:37

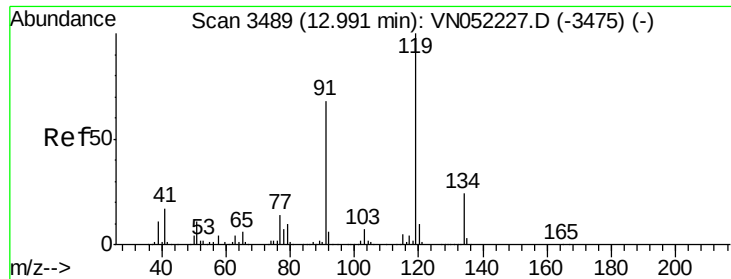
Tgt Ion: 91 Resp: 608599

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.7





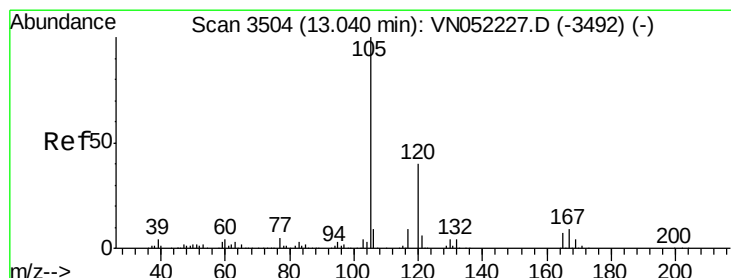
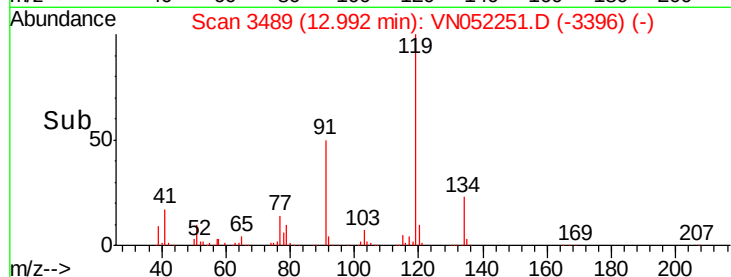
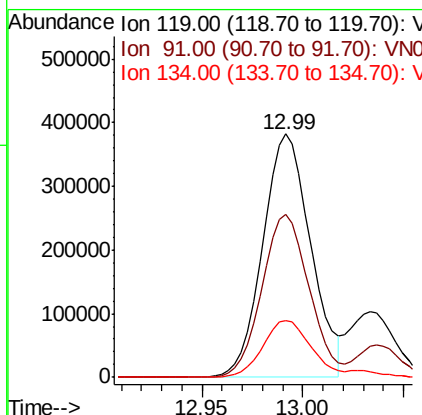
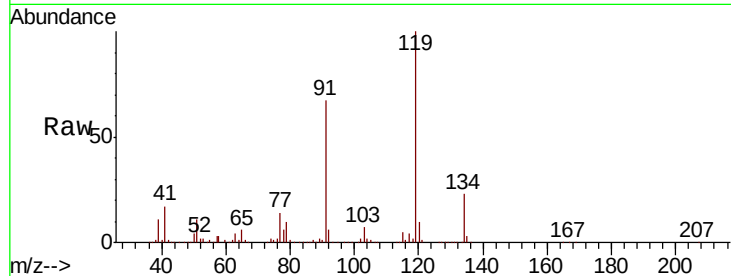
#83
 tert-Butylbenzene
 Concen: 49.526 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.5	100.4
134	23.4	13.0	38.9

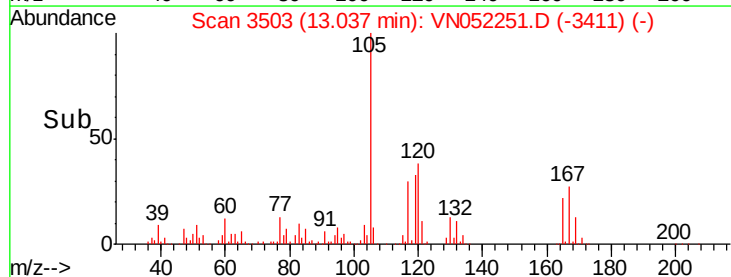
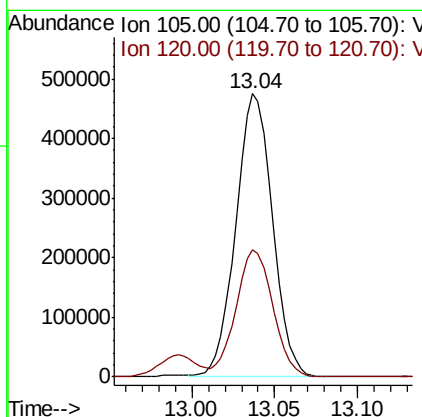
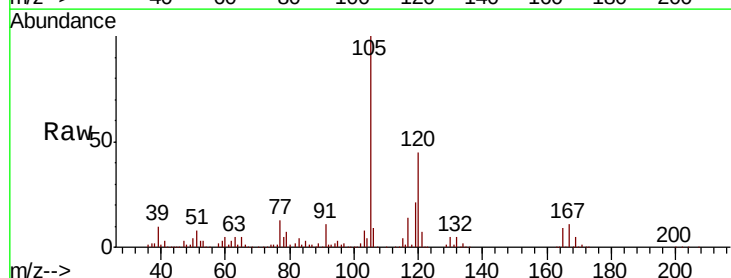
Manual Integrations
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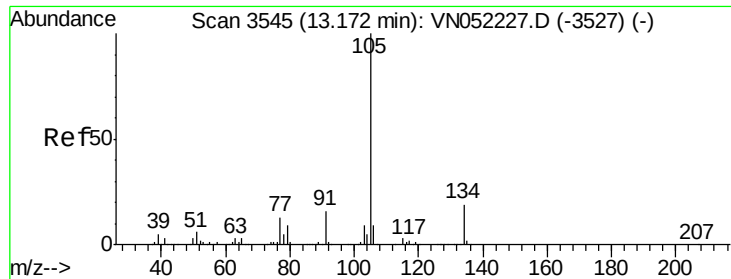
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.618 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.1





#85

sec-Butylbenzene

Concen: 50.420 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 882423

Ion Ratio Lower Upper

105 100

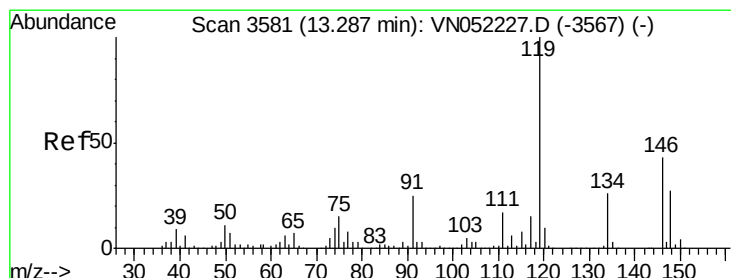
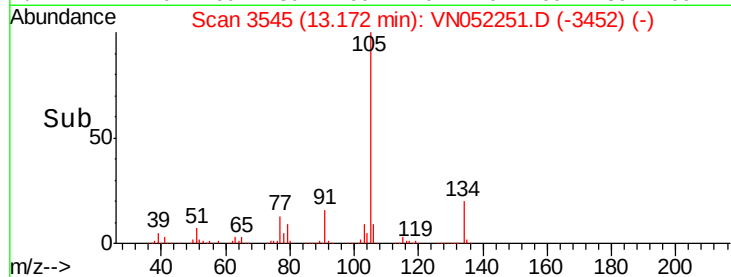
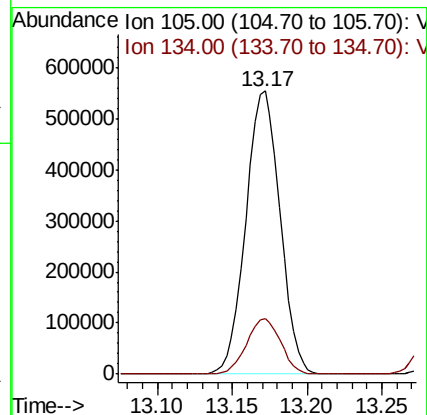
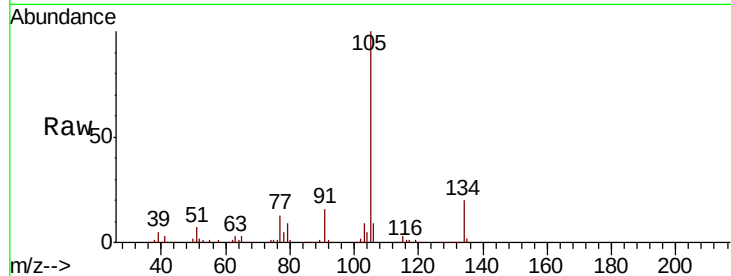
134 19.6 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.755 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

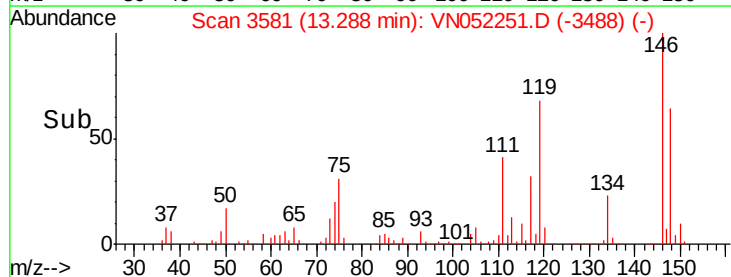
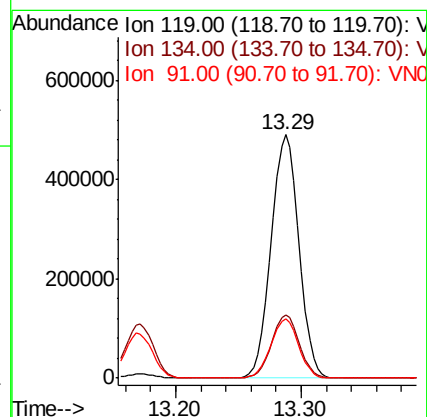
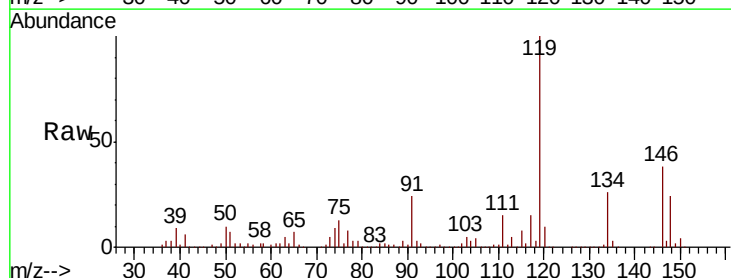
Tgt Ion:119 Resp: 757783

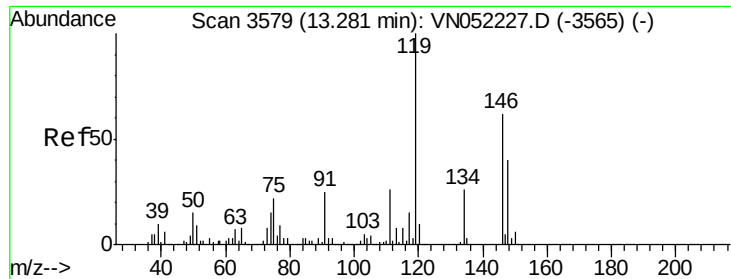
Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.6

91 24.3 12.4 37.0





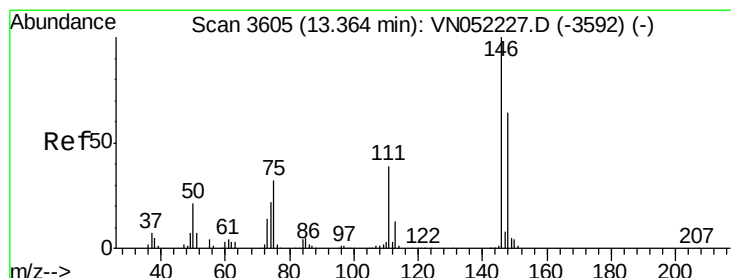
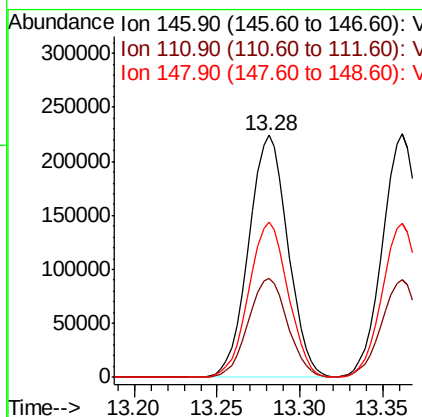
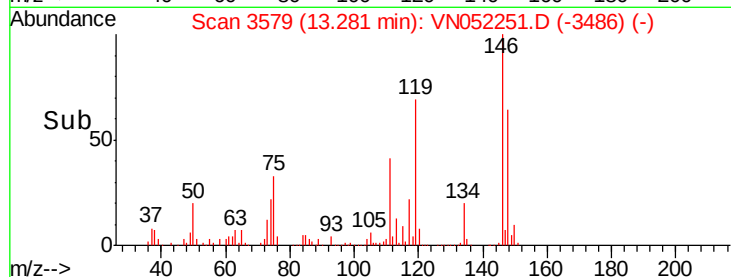
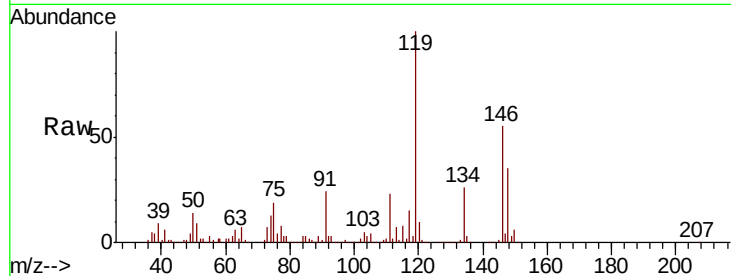
#87
 1,3-Dichlorobenzene
 Concen: 49.150 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.1	20.1	60.3	
148	64.3	31.6	94.7	

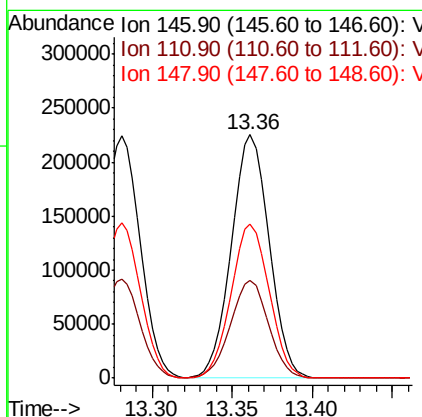
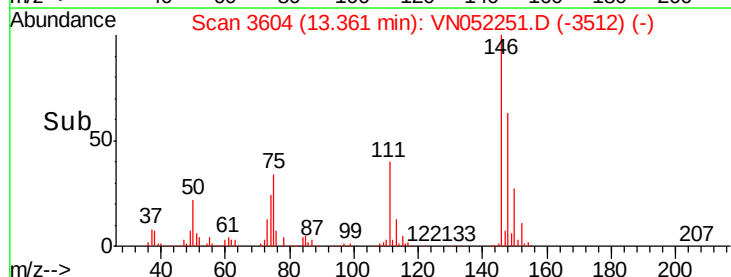
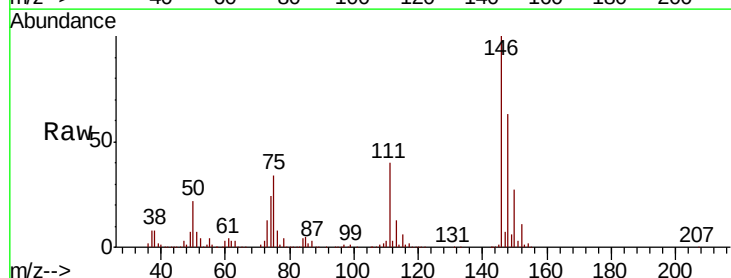
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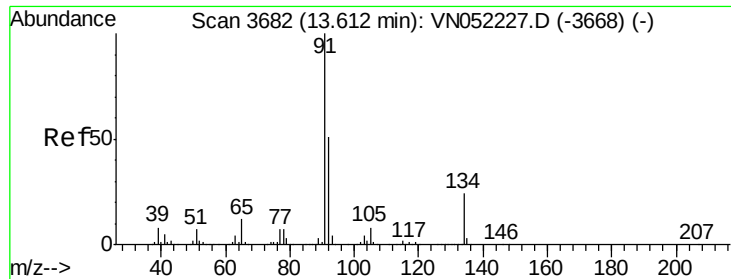
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#88
 1,4-Dichlorobenzene
 Concen: 48.405 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.3	20.2	60.6	
148	63.7	32.1	96.3	





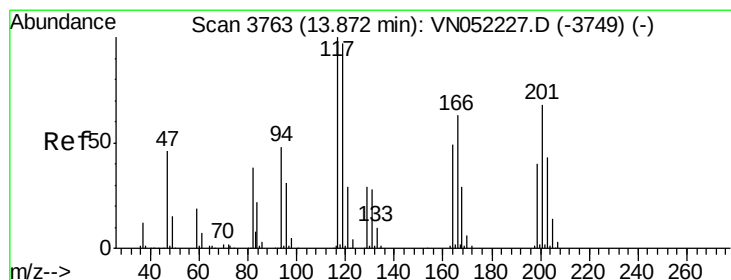
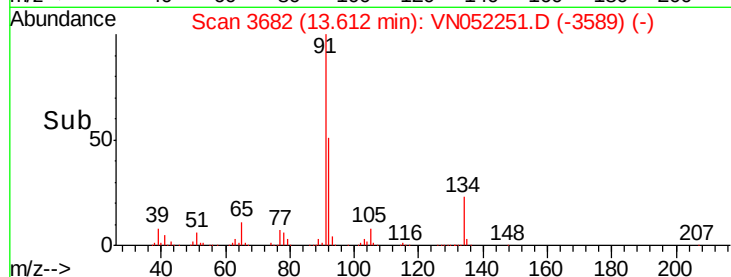
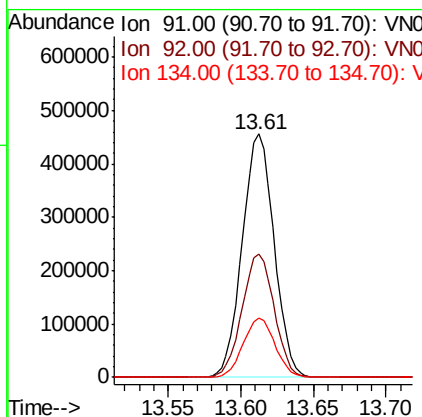
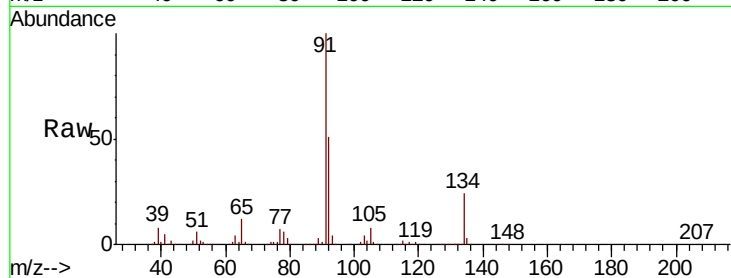
#89
n-Butylbenzene
Concen: 53.545 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.1	75.3
134	24.3	12.0	36.1

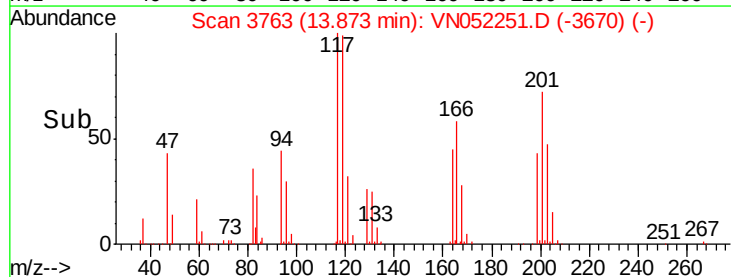
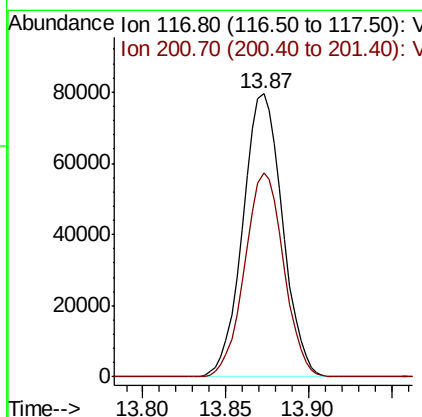
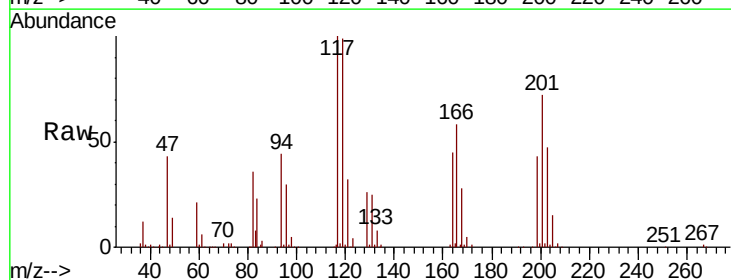
Manual Integrations
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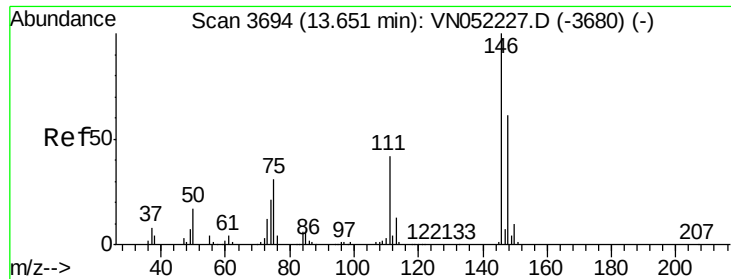
MMDadoda
11/13/2018 2:54:18 PM



#90
Hexachloroethane
Concen: 51.492 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.6	103.9





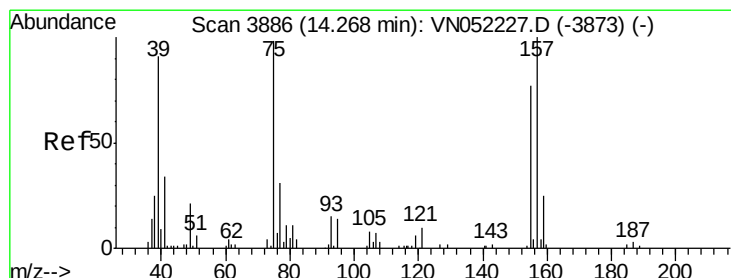
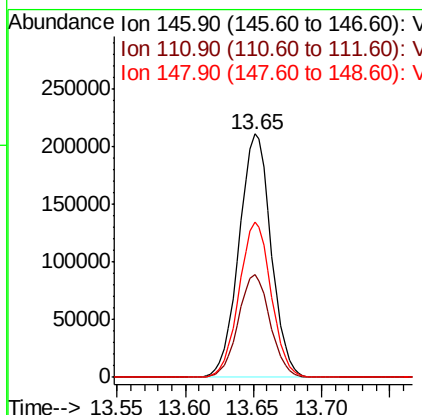
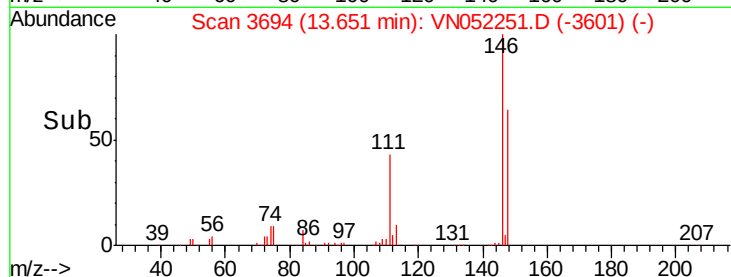
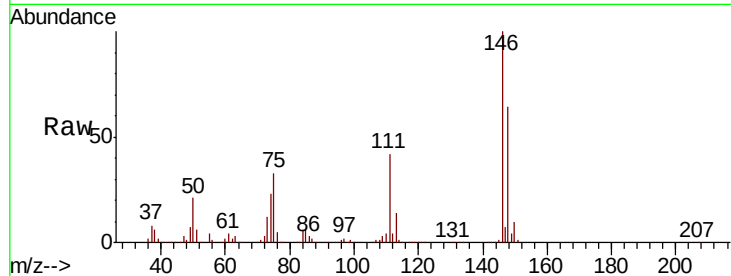
#91
 1,2-Dichlorobenzene
 Concen: 47.219 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.3
148	63.6	31.3	93.8

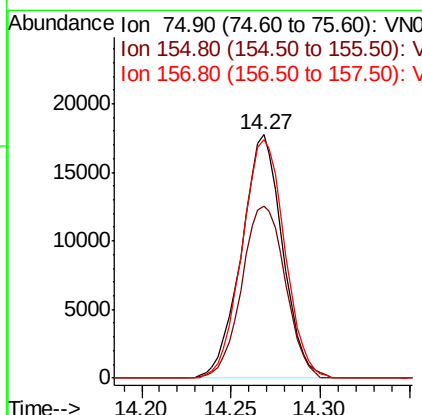
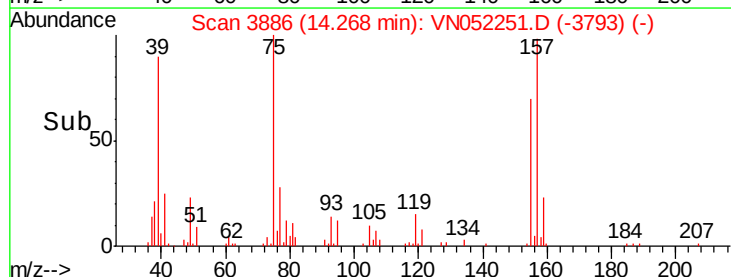
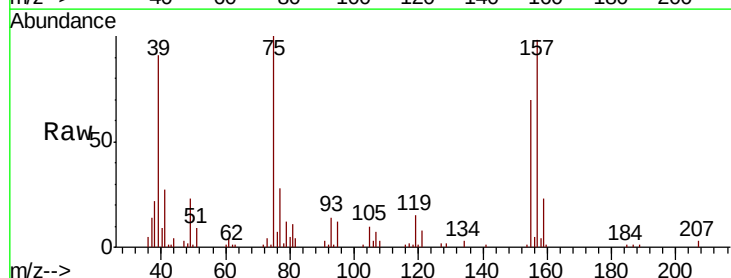
Manual Integrations
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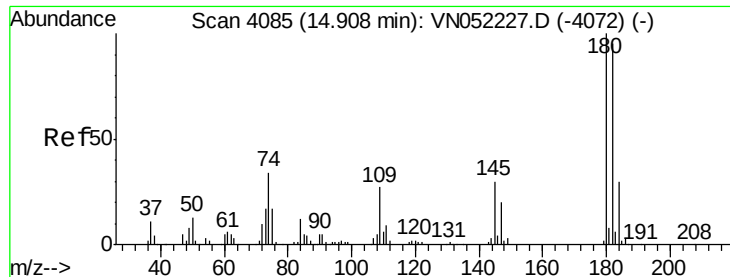
MMDadoda
 11/13/2018 2:54:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.520 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	40.2	120.5
157	101.8	51.7	155.2





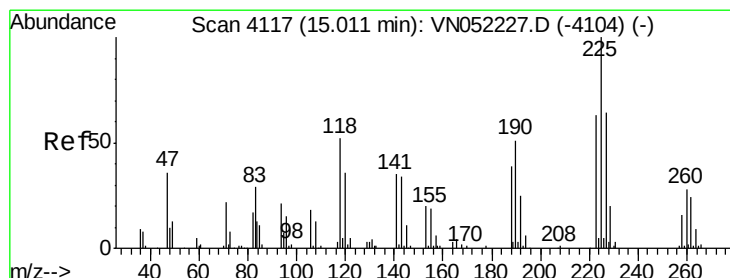
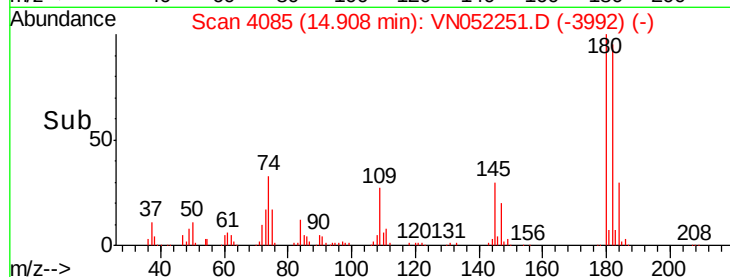
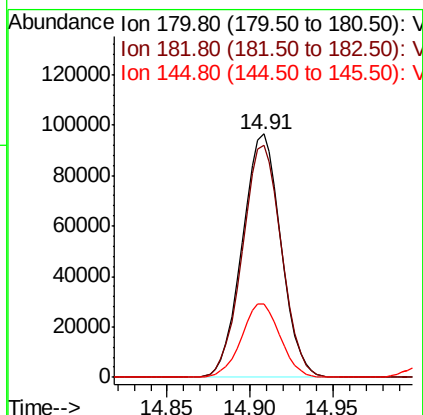
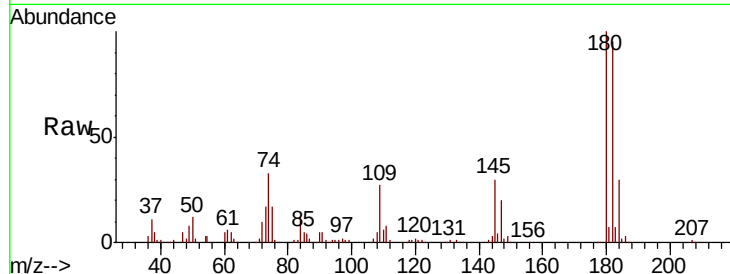
#93
1,2,4-Trichlorobenzene
Concen: 54.370 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	142.0
145	30.3	15.6	46.8

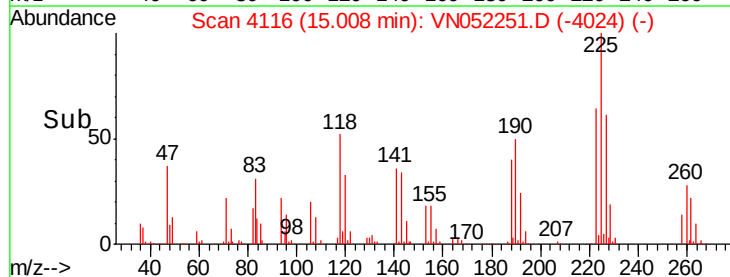
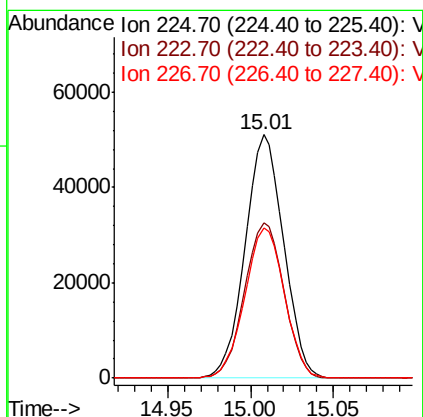
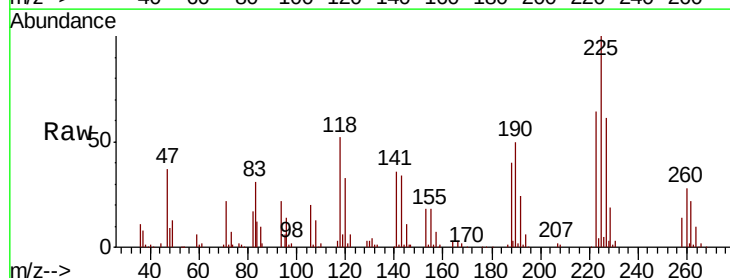
Manual Integrations
APPROVED

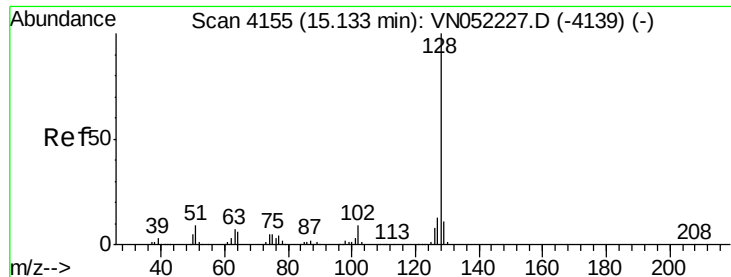
MMDadoda
11/13/2018 2:54:18 PM



#94
Hexachlorobutadiene
Concen: 52.477 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.1	96.3
227	63.4	31.8	95.4





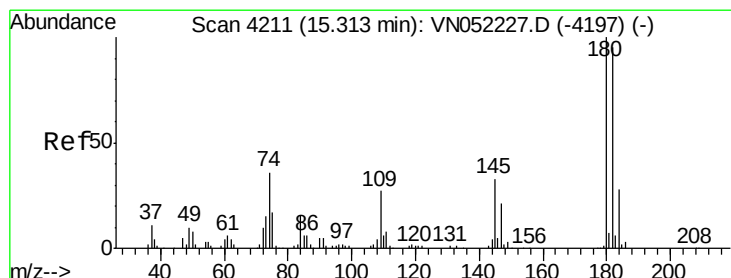
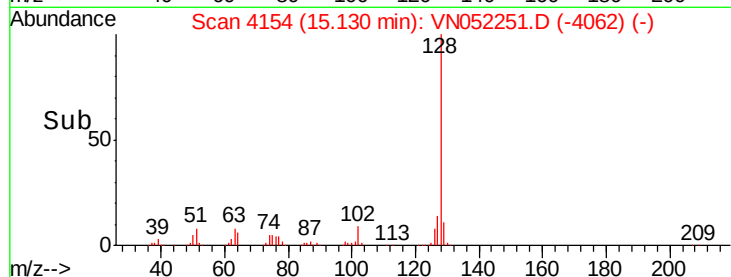
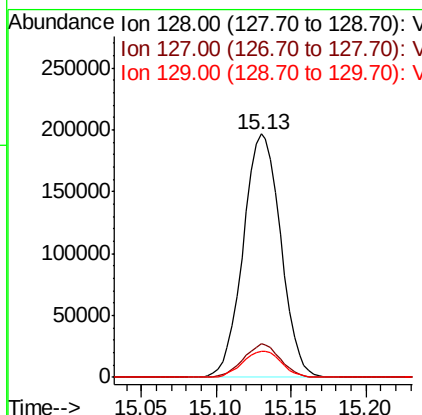
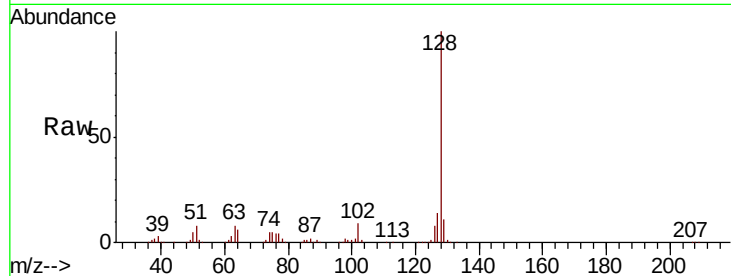
#95
Naphthalene
Concen: 48.186 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/13/2018 2:54:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.655 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.7	143.1
145	31.3	16.8	50.3

