

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

Quant Time: Nov 13 00:11:11 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	251140	63.127	ug/l #	100
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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QLast Update : Mon Nov 12 00:34:27 2018
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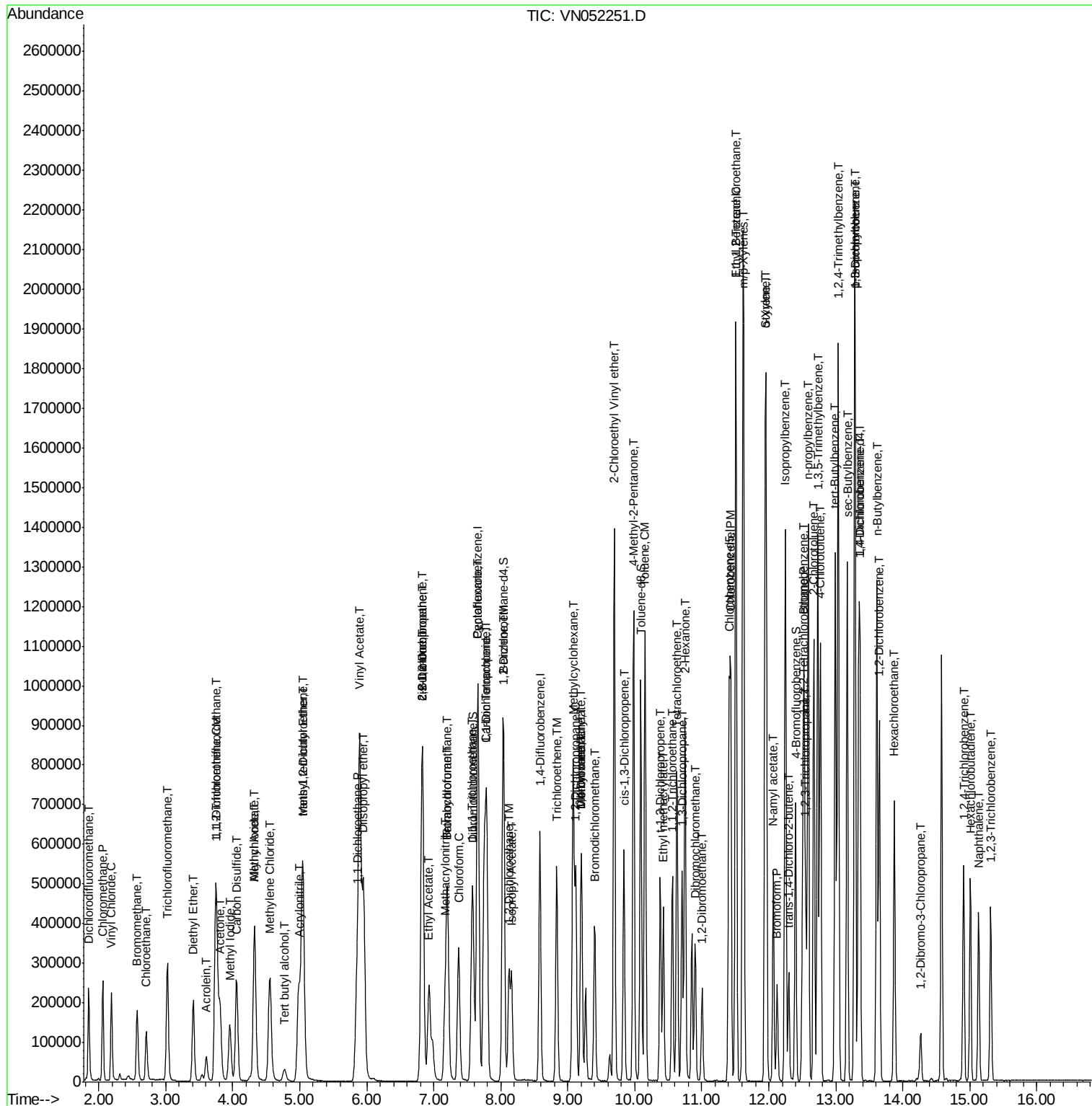
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	157157	54.370	ug/l	98
94) Hexachlorobutadiene	15.01	225	82425	52.477	ug/l	99
95) Naphthalene	15.13	128	343276	48.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	138433	50.655	ug/l	98

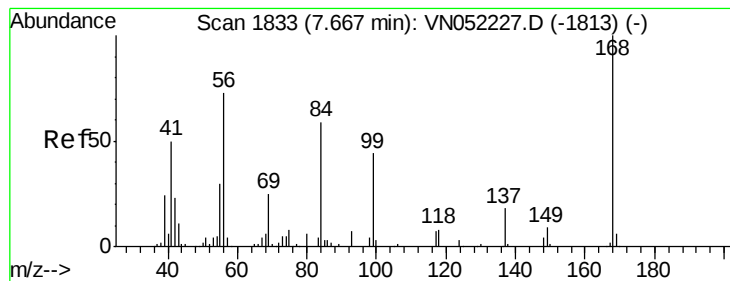
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111218\
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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 :

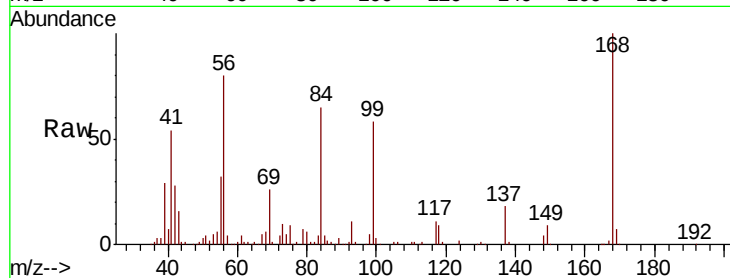
VSTDCCC050

Tot Ion:168 Resp: 327670

Ion Ratio Lower Upper

168 100

99 58.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

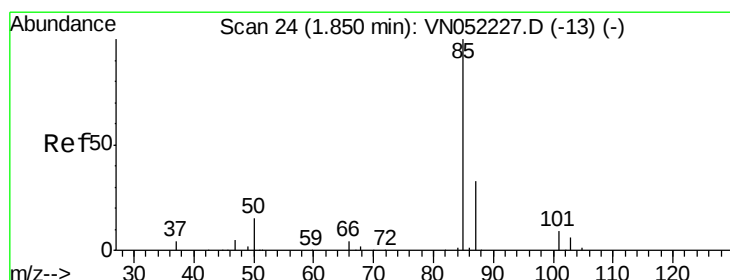
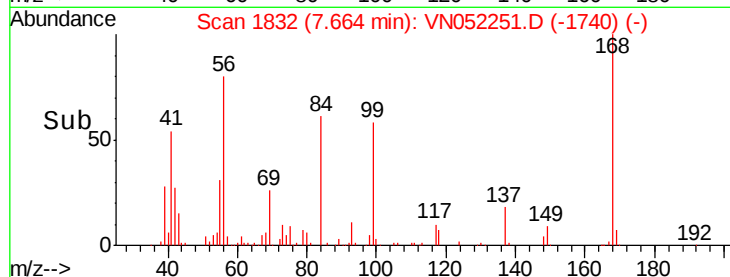
50000

0

7.66

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

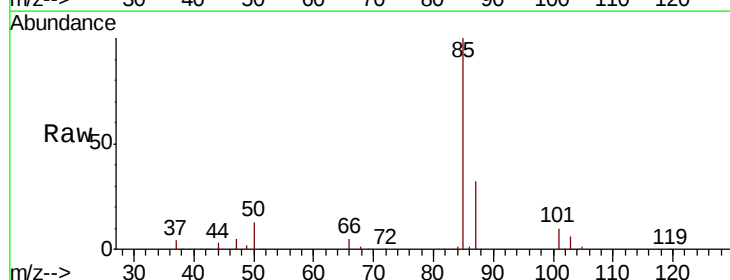
Acq: 12 Nov 2018 9:37

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

150000

100000

50000

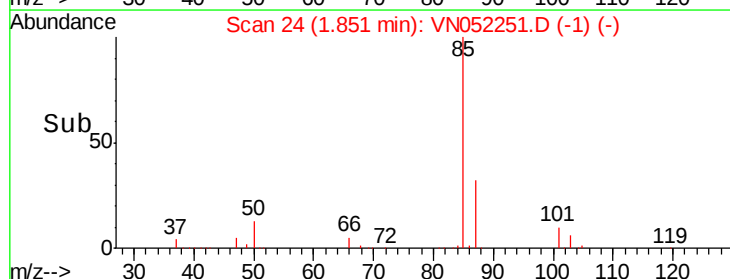
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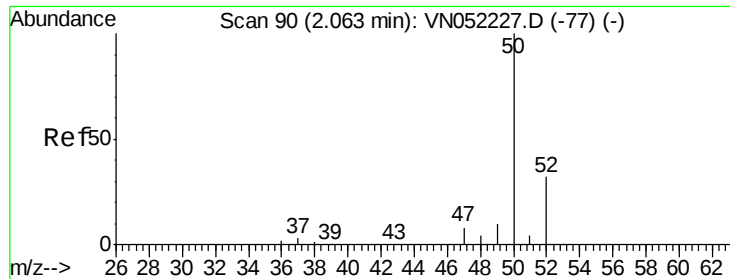
1.85

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 :

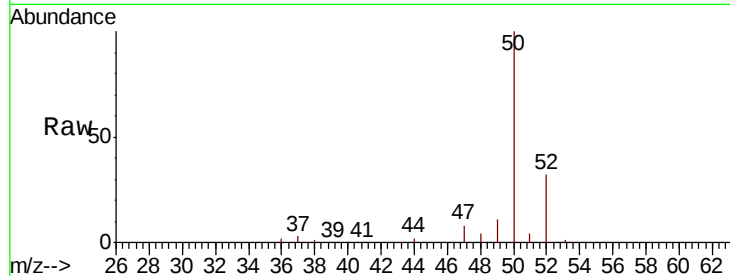
VSTDCCC050

Tot Ion: 50 Resp: 233547

Ion Ratio Lower Upper

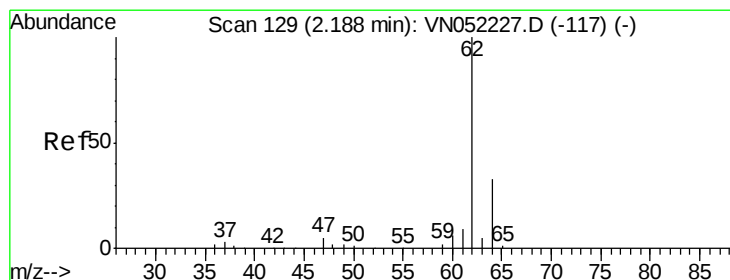
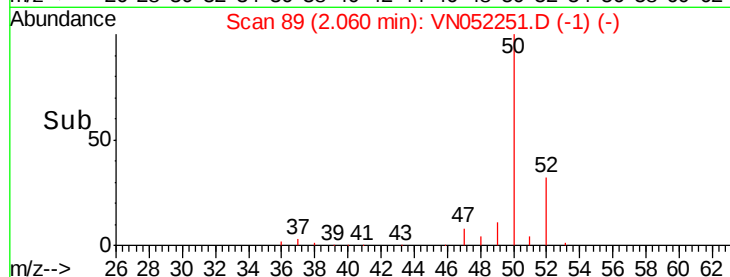
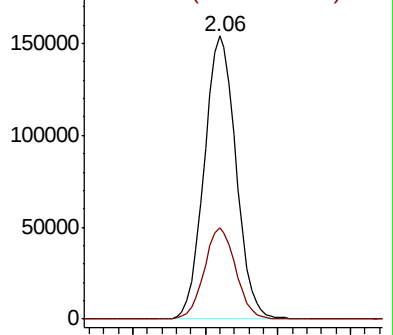
50 100

52 32.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.303 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052251.D

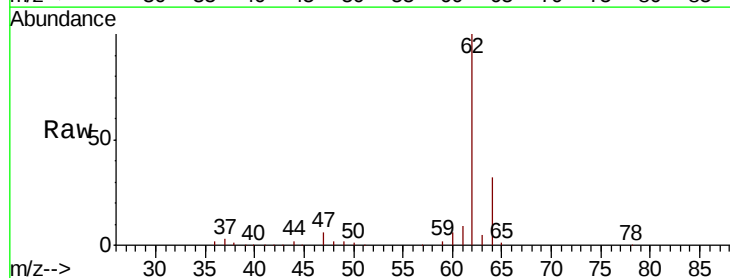
Acq: 12 Nov 2018 9:37

Tgt Ion: 62 Resp: 200157

Ion Ratio Lower Upper

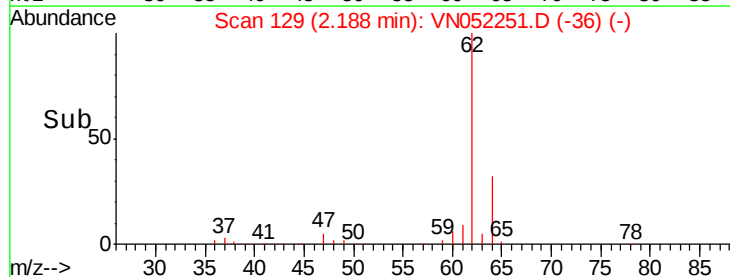
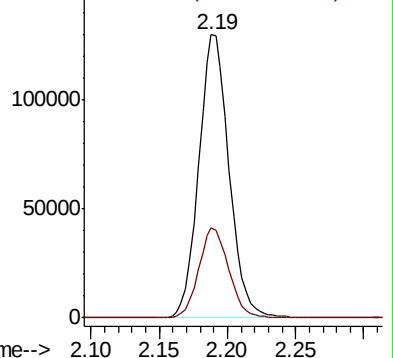
62 100

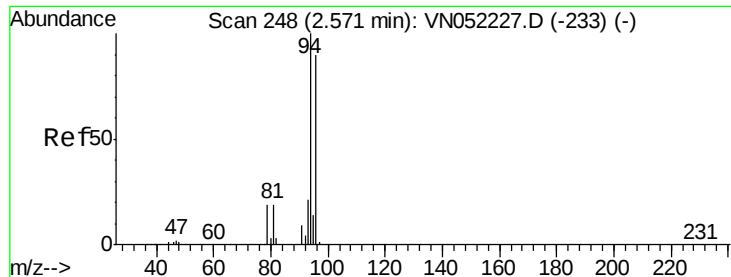
64 31.9 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#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

Instrument :

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ClientSampleId :

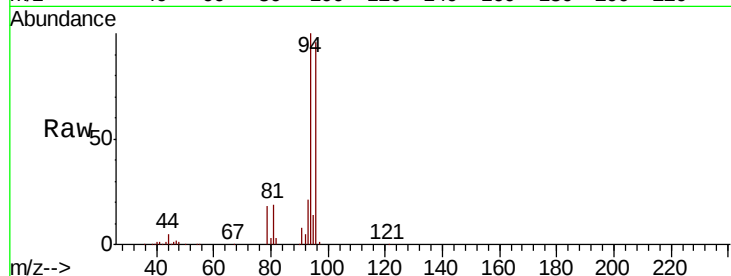
VSTDCCC050

Tot Ion: 94 Resp: 120881

Ion Ratio Lower Upper

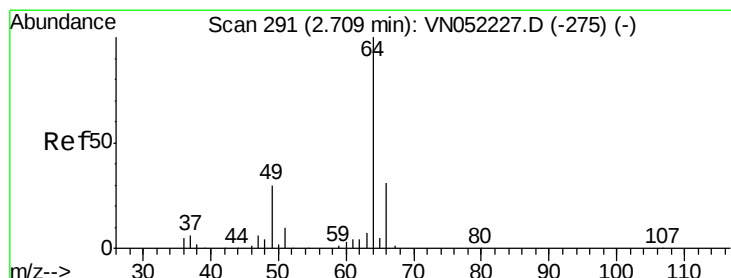
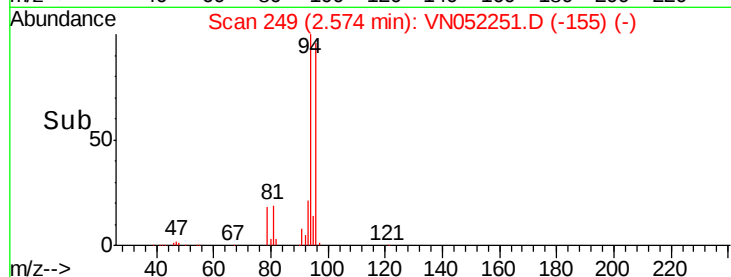
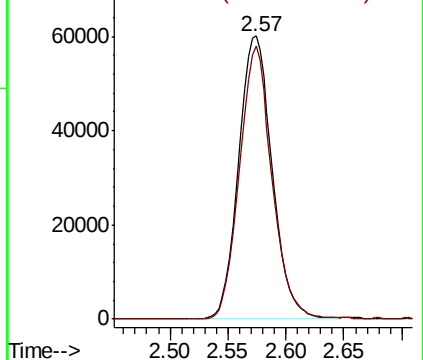
94 100

96 96.5 71.8 107.8



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.067 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052251.D

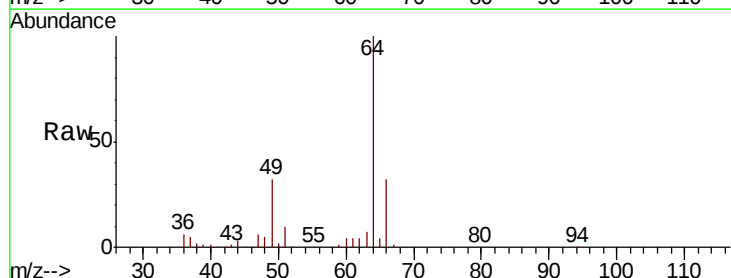
Acq: 12 Nov 2018 9:37

Tgt Ion: 64 Resp: 110897

Ion Ratio Lower Upper

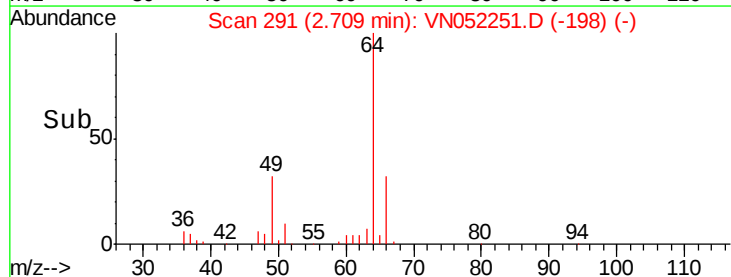
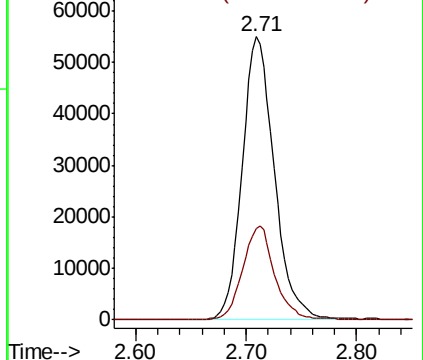
64 100

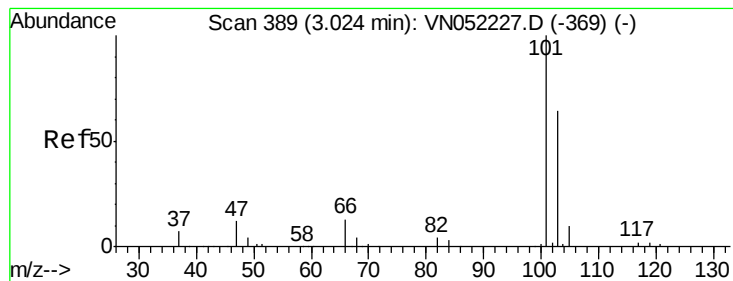
66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



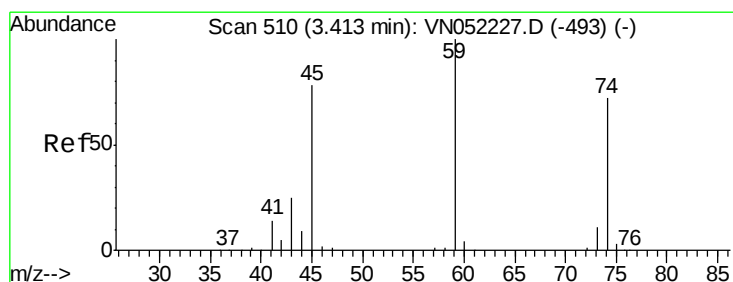
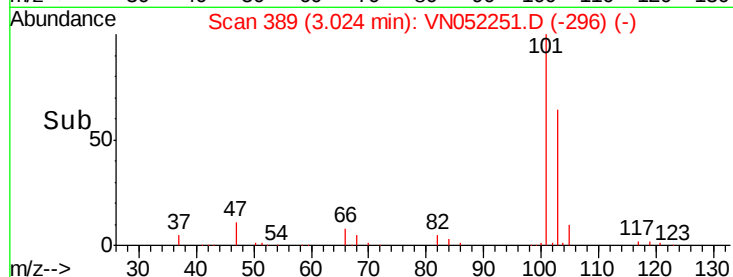
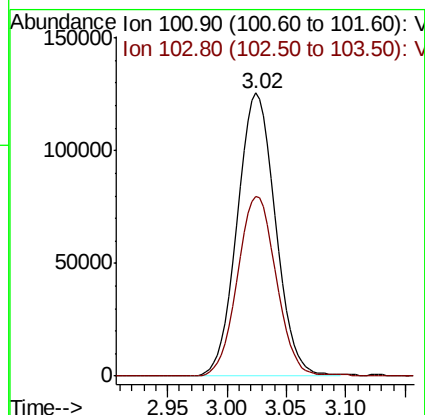
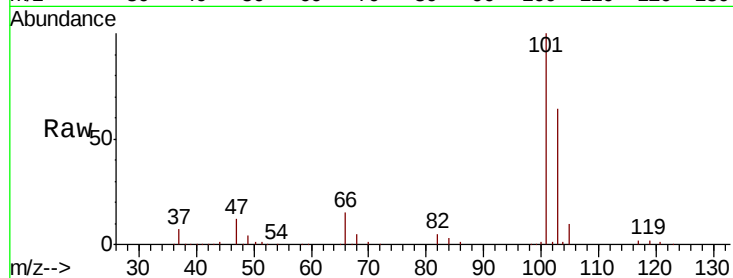


#7

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

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

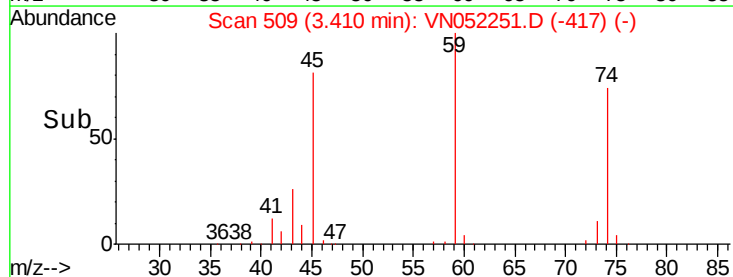
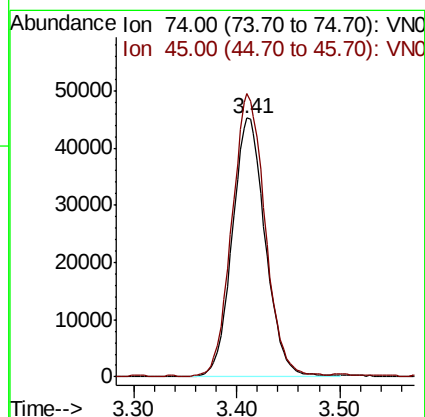
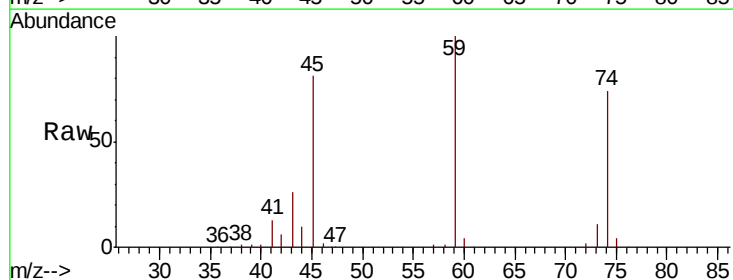
Tot Ion:101 Resp: 279991
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.2 76.8

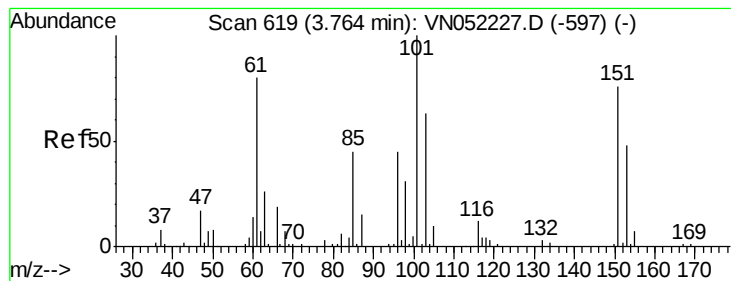


#8

Diethyl Ether
 Concen: 44.553 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Tgt Ion: 74 Resp: 101104
 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

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VSTDCCC050

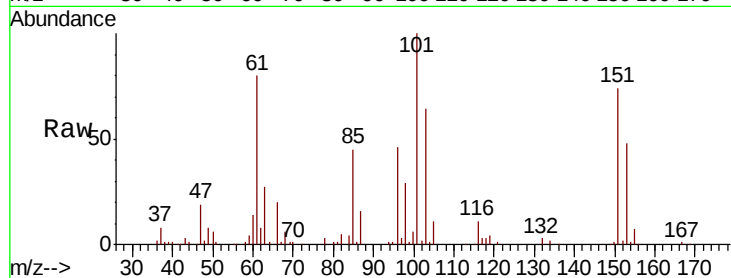
Tot Ion:101 Resp: 177318

Ion Ratio Lower Upper

101 100

85 46.7 36.2 54.4

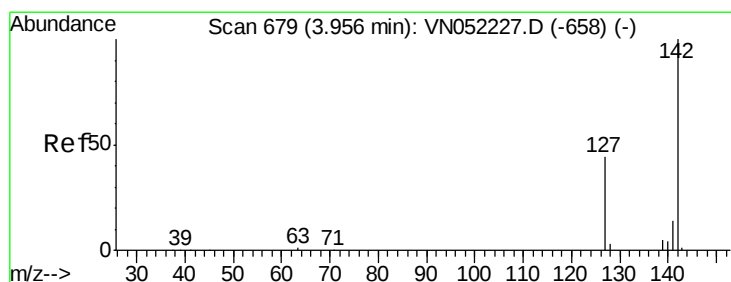
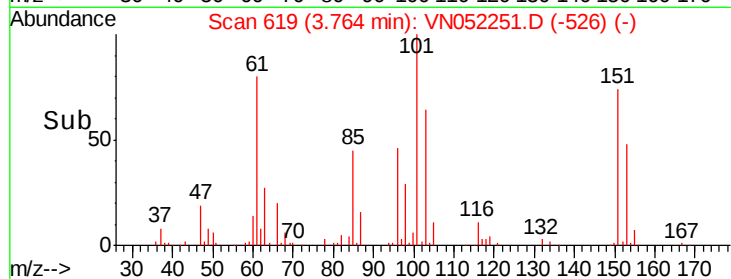
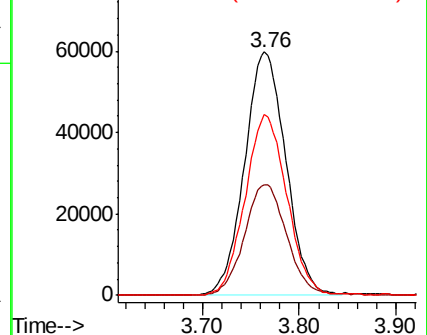
151 75.1 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#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

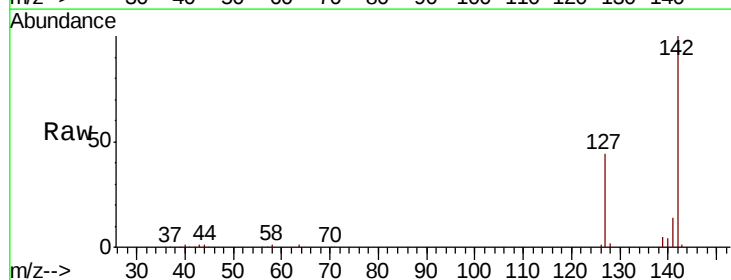
Tgt Ion:142 Resp: 229138

Ion Ratio Lower Upper

142 100

127 44.2 35.3 52.9

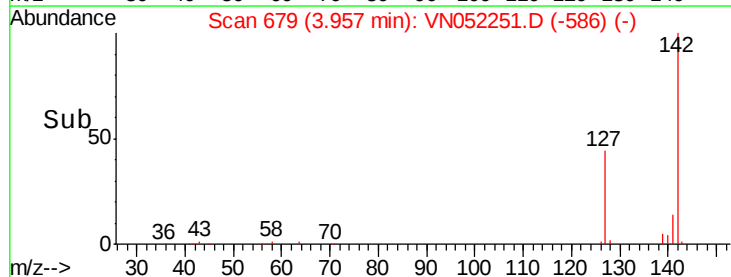
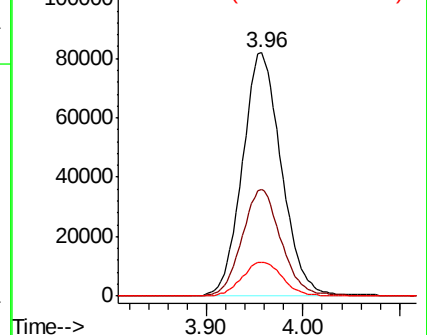
141 14.6 11.8 17.6

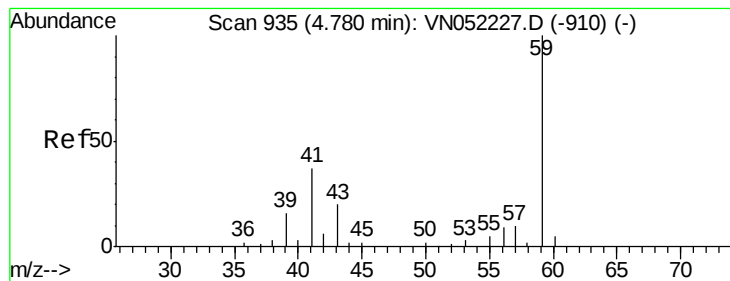


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



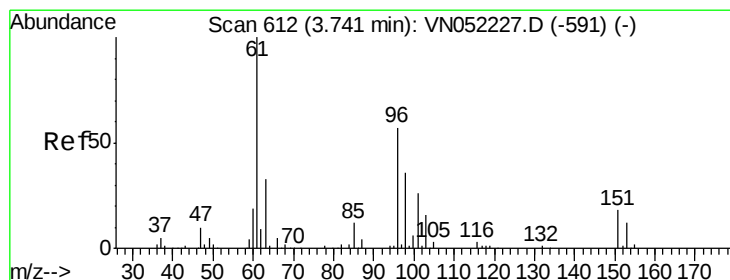
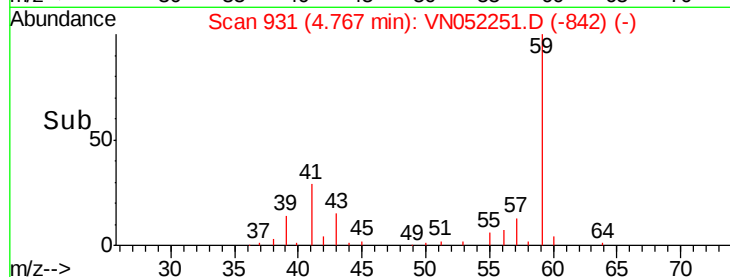
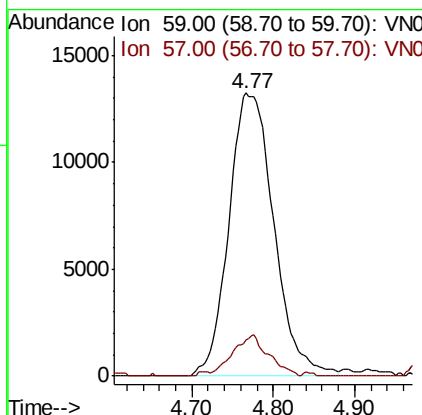
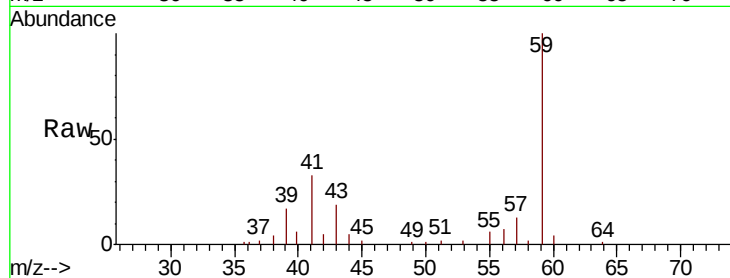


#11

Tert butyl alcohol
 Concen: 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

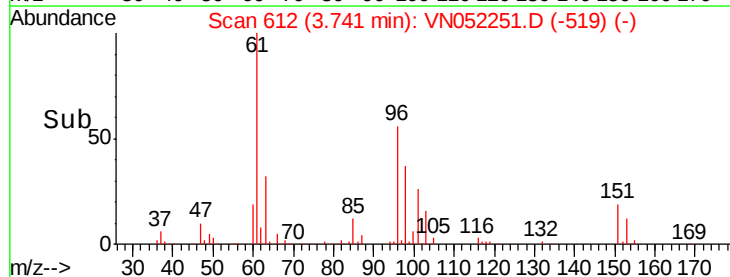
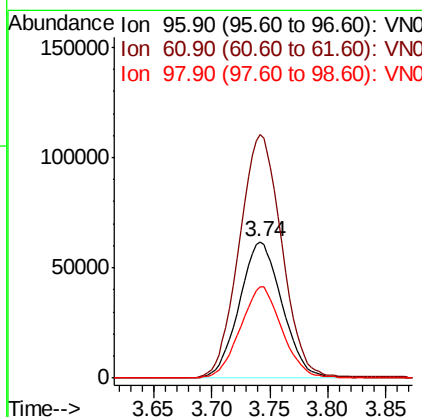
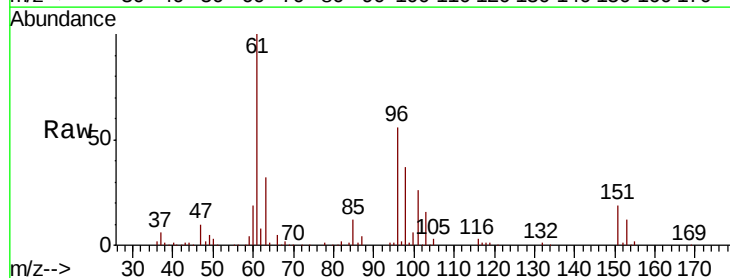
Tot Ion: 59 Resp: 50732
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.8 13.2

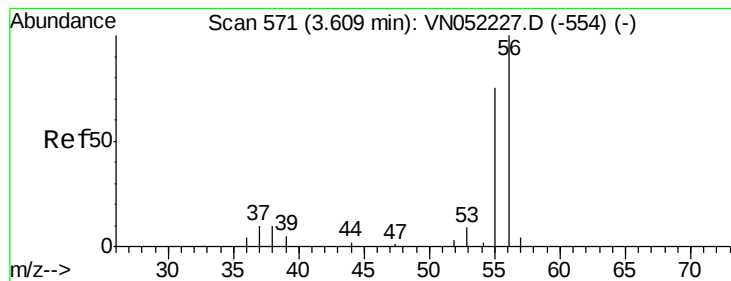


#12

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: 96 Resp: 158074
 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 :

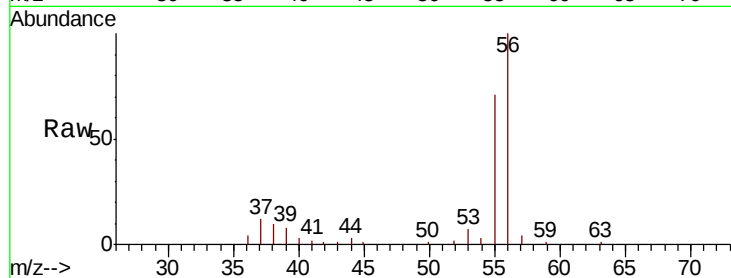
VSTDCCC050

Tot Ion: 56 Resp: 70071

Ion Ratio Lower Upper

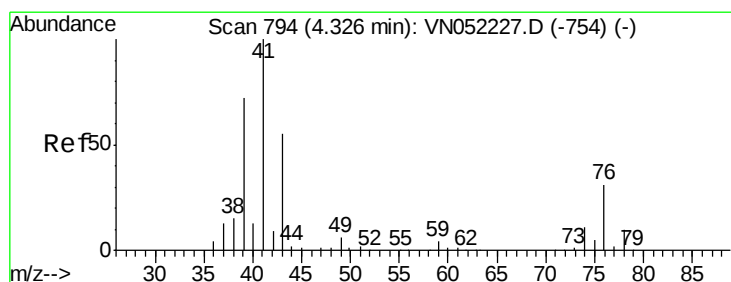
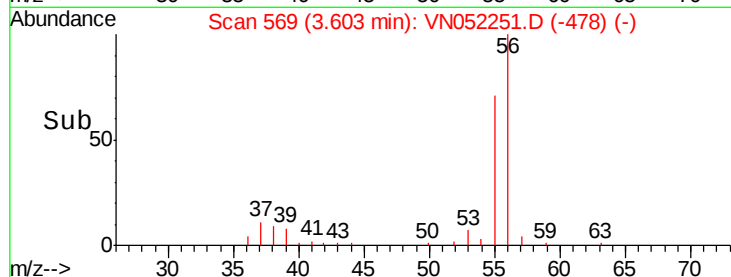
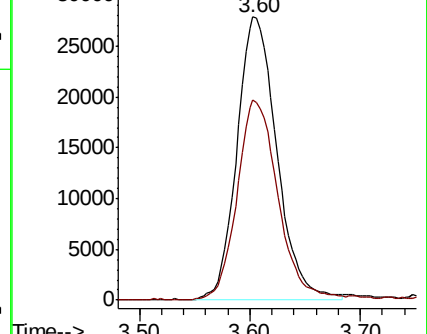
56 100

55 72.5 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#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

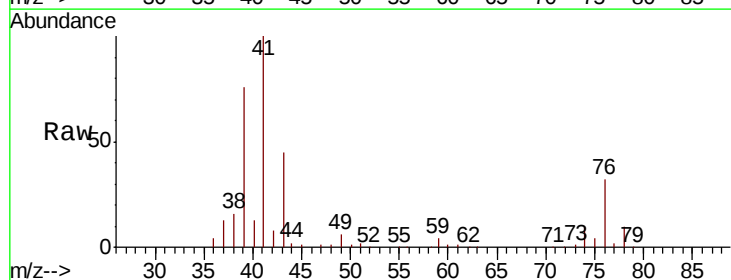
Tgt Ion: 41 Resp: 333576

Ion Ratio Lower Upper

41 100

39 71.2 55.1 82.7

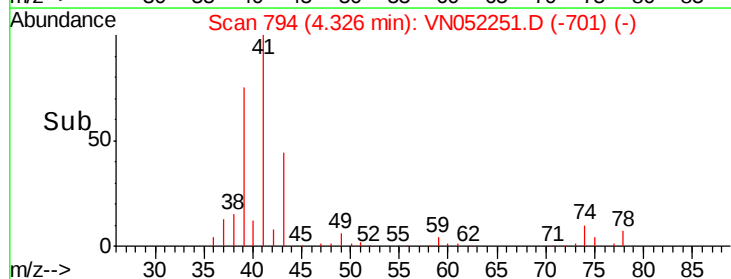
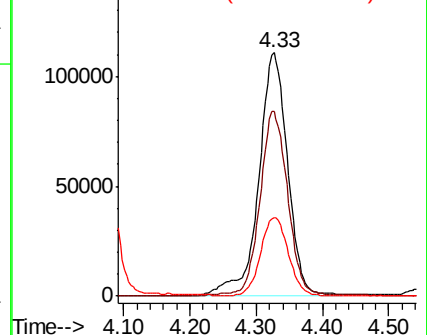
76 30.7 23.6 35.4

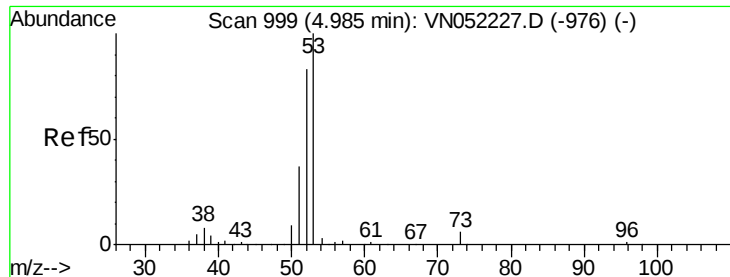


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 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 :

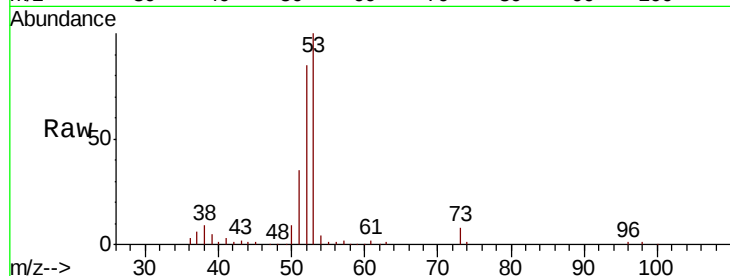
MSVOA_N

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

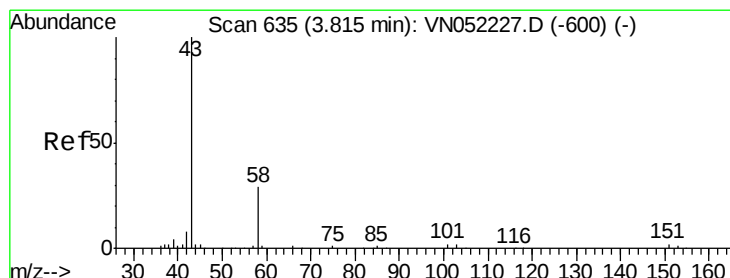
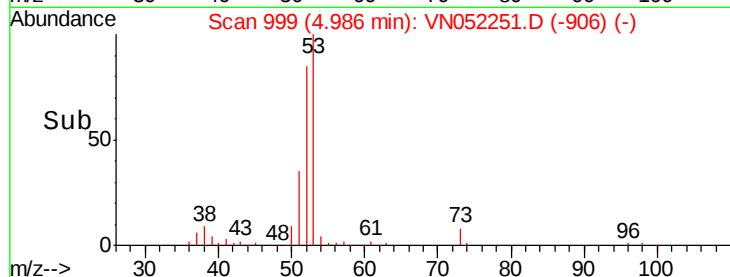
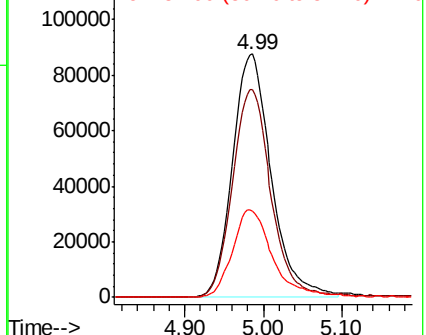


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 270.024 ug/l

RT: 3.81 min Scan# 634

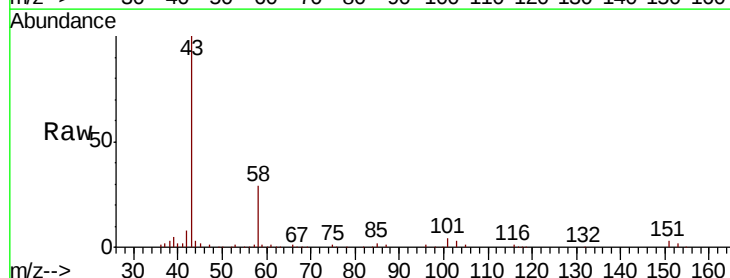
Delta R.T. -0.00 min

Lab File: VN052251.D

Acq: 12 Nov 2018 9:37

Tgt Ion: 43 Resp: 301504

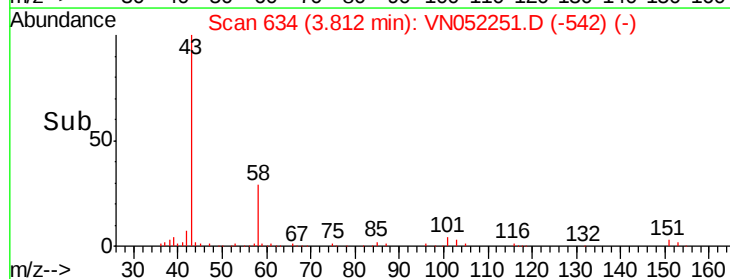
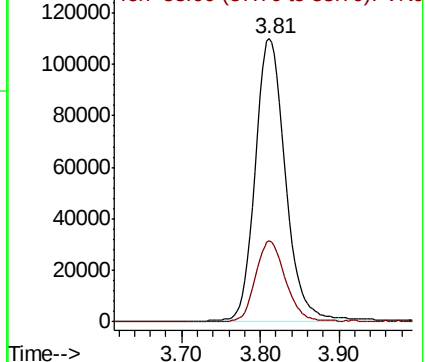
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.0	34.6

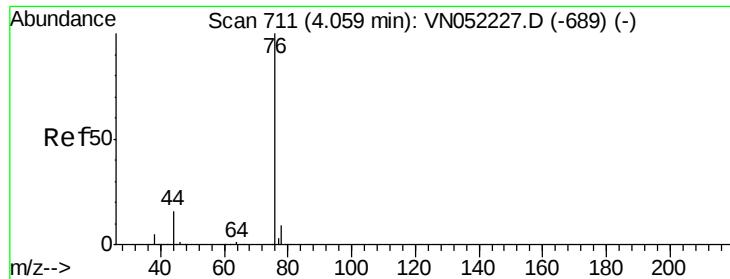


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

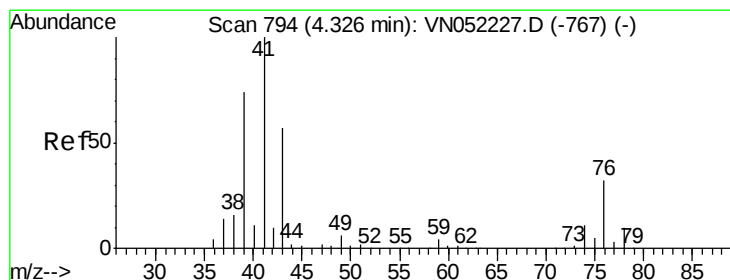
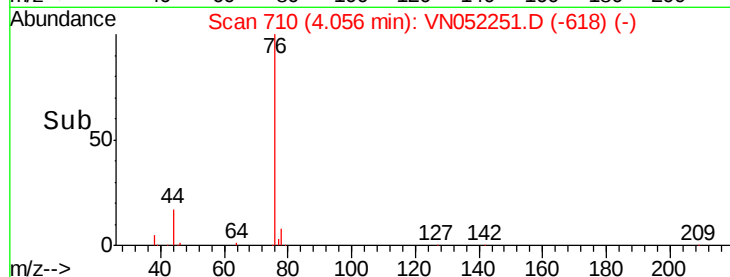
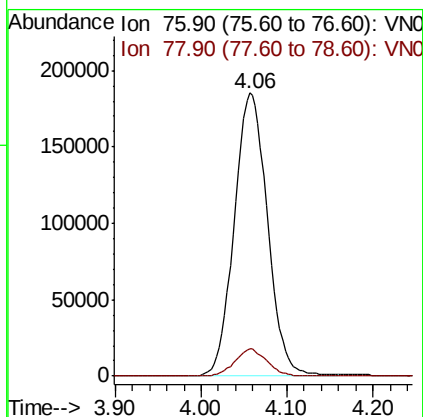
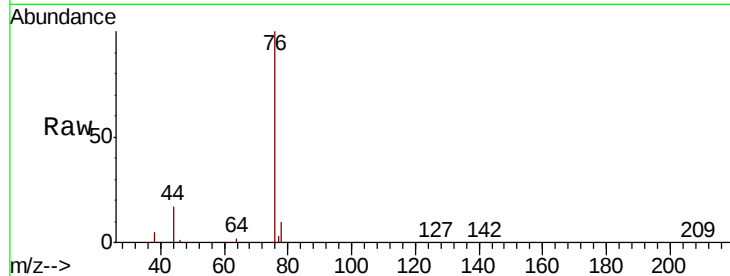




#17
Carbon Disulfide
Concen: 50.169 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

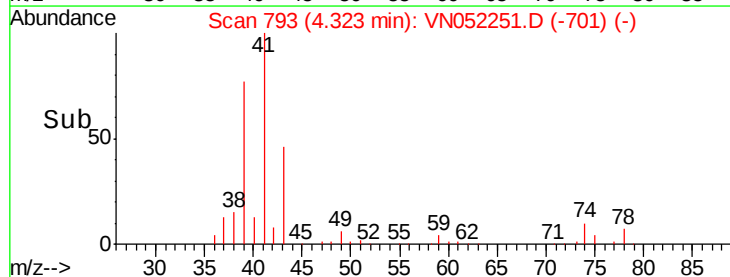
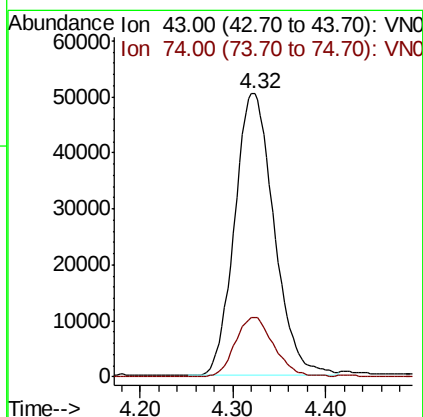
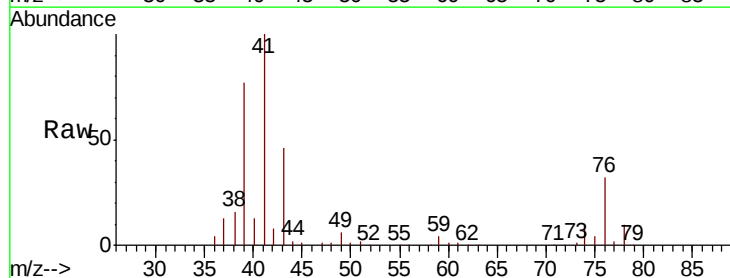
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

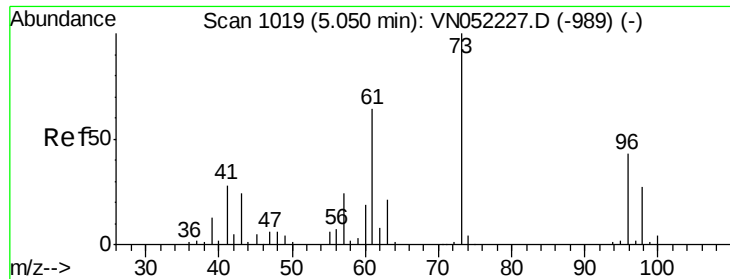
Tot Ion: 76 Resp: 498540
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#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

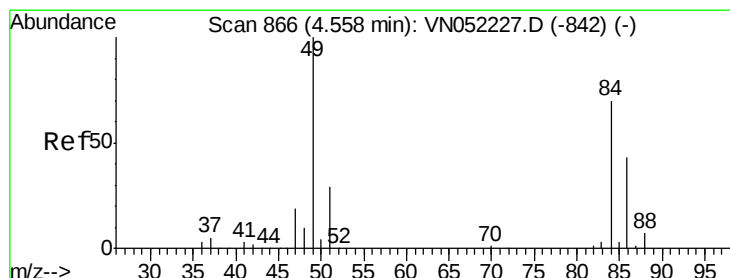
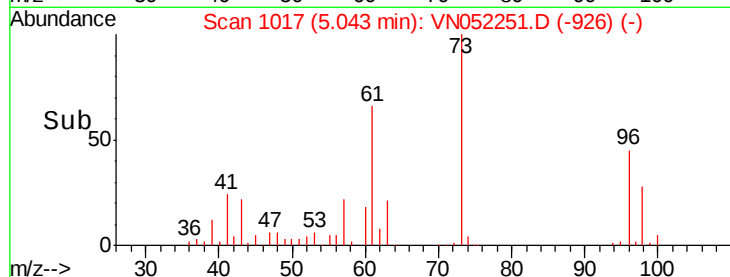
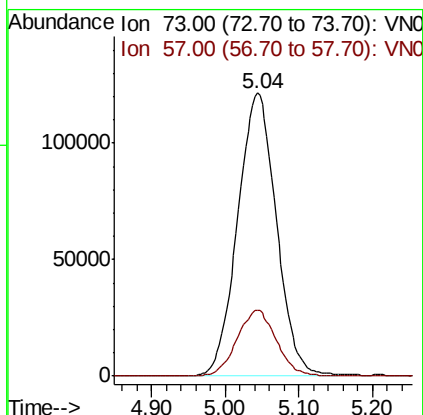
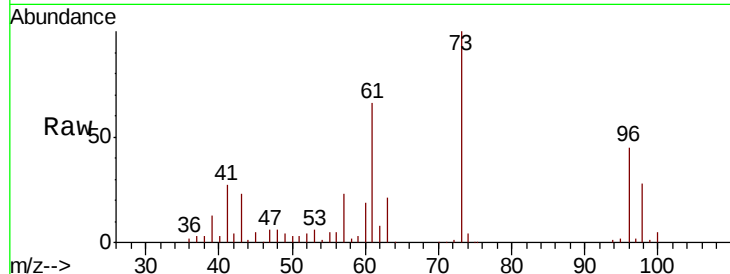




#19
Methvl tert-butvl Ether
Concen: 45.502 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

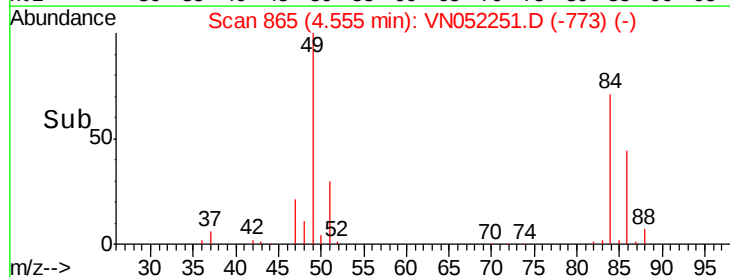
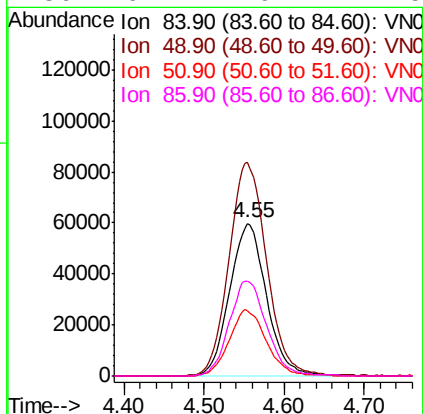
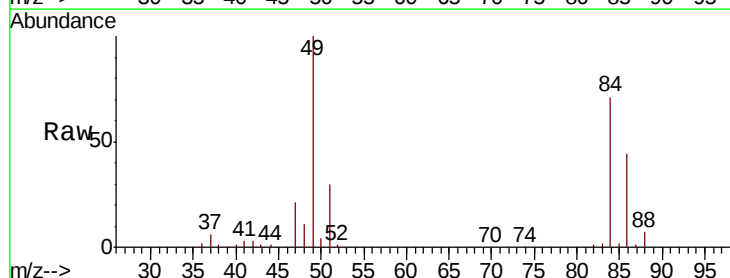
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

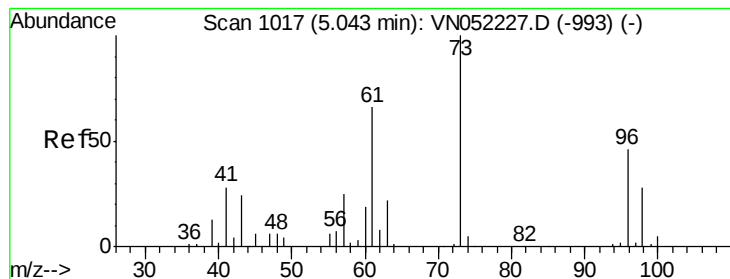
Tot Ion: 73 Resp: 445325
Ion Ratio Lower Upper
73 100
57 23.4 19.1 28.7



#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

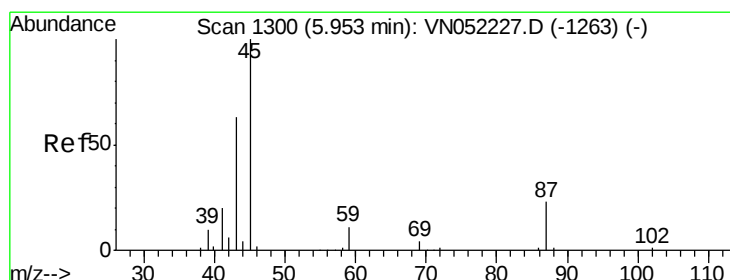
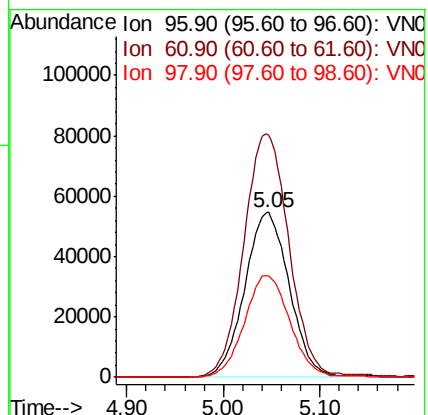
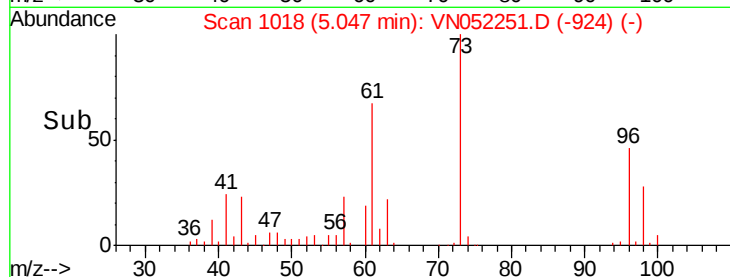
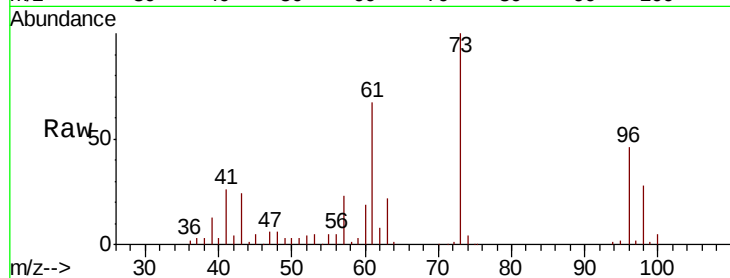
Tot Ion: 96 Resp: 175315

Ion Ratio Lower Upper

96 100

61 146.2 115.3 172.9

98 61.0 49.5 74.3



#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: 45 Resp: 675790

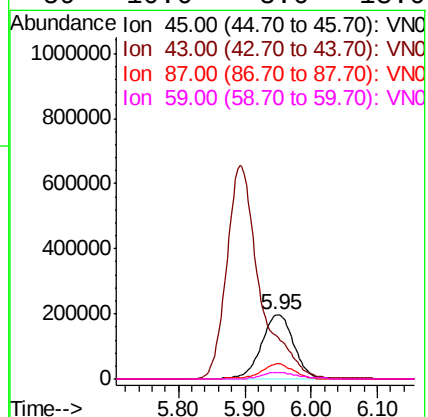
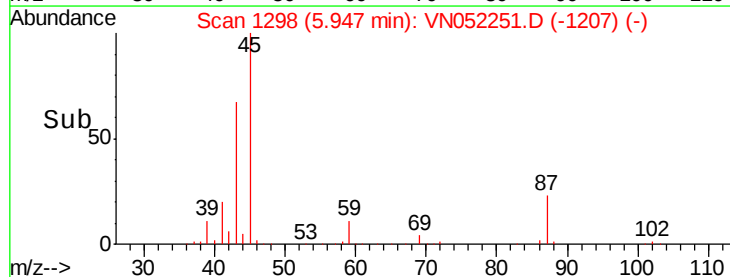
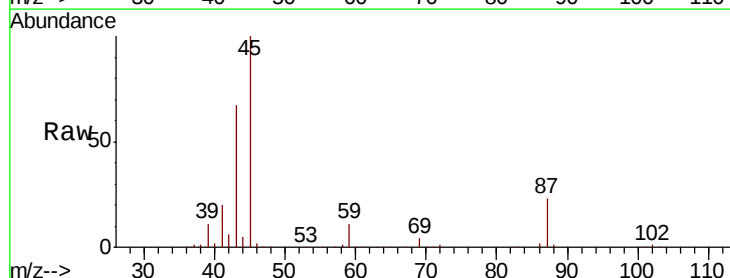
Ion Ratio Lower Upper

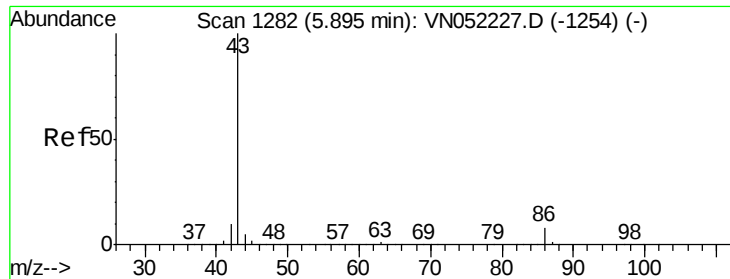
45 100

43 66.7 50.6 76.0

87 23.2 19.0 28.4

59 10.6 8.6 13.0

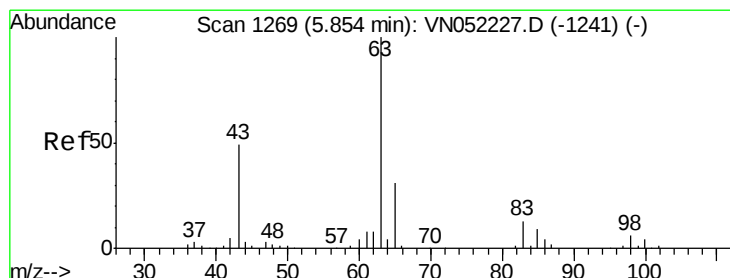
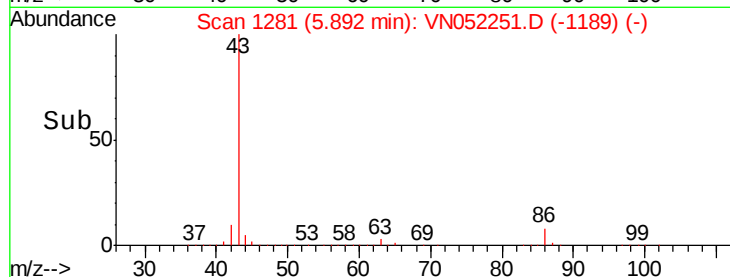
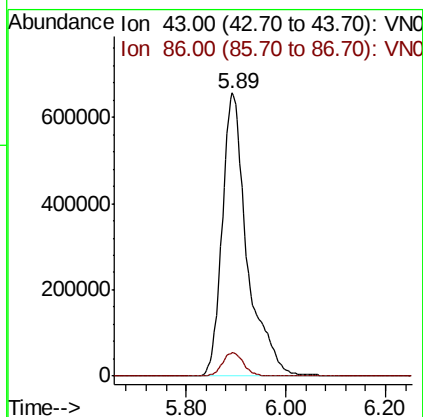
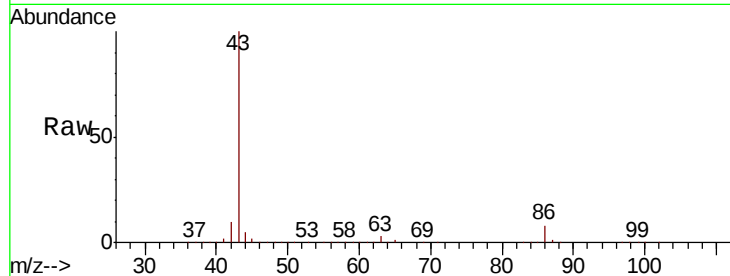




#23
 Vinyl Acetate
 Concen: 232.000 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

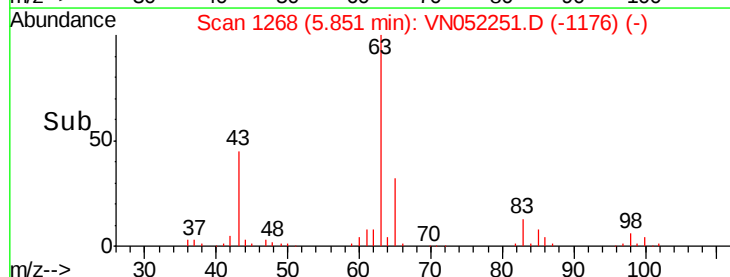
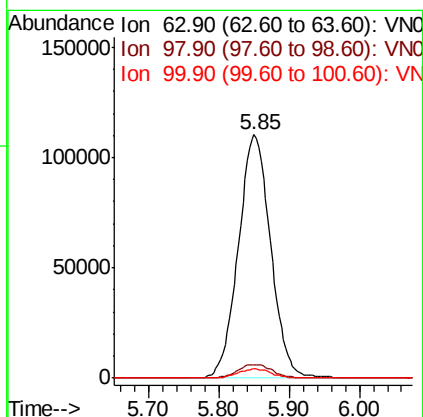
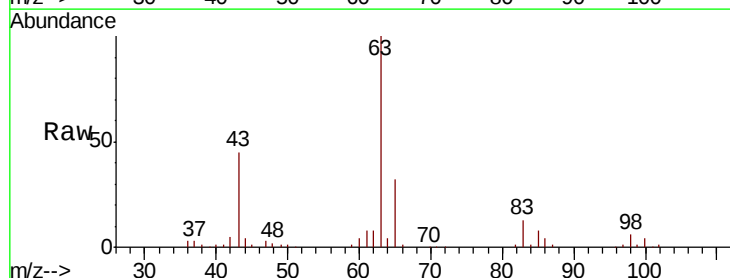
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

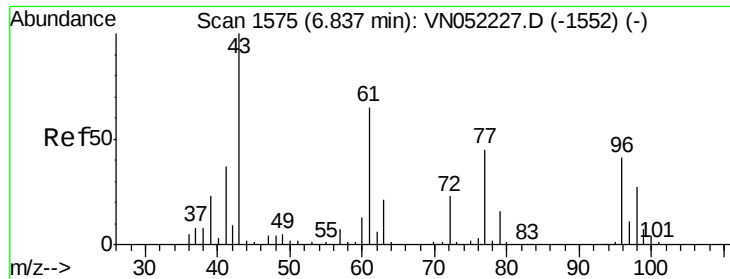
Tot Ion: 43 Resp: 2288769
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.7 10.1



#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

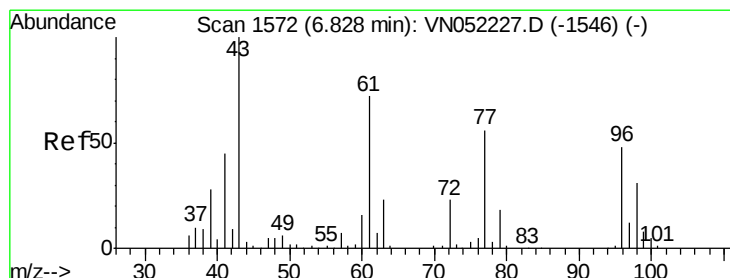
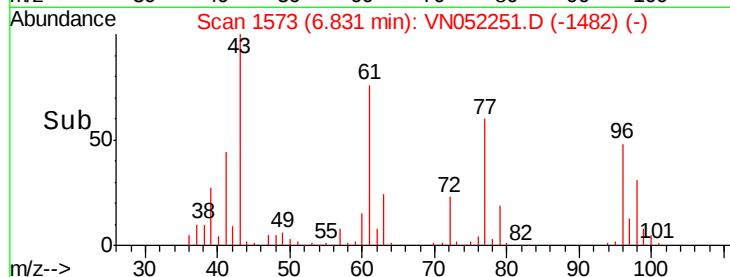
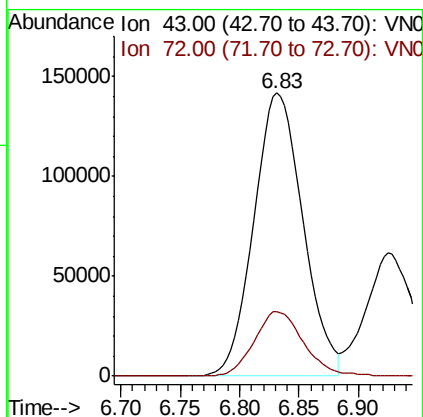
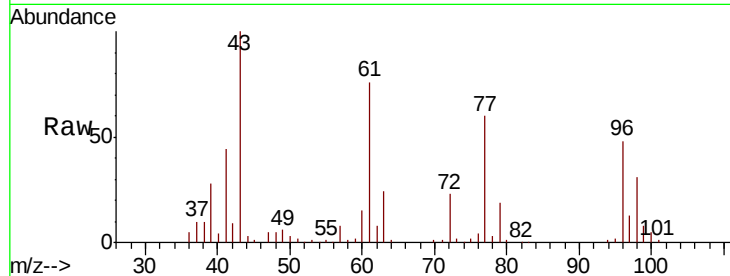




#25
2-Butanone
Concen: 211.279 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

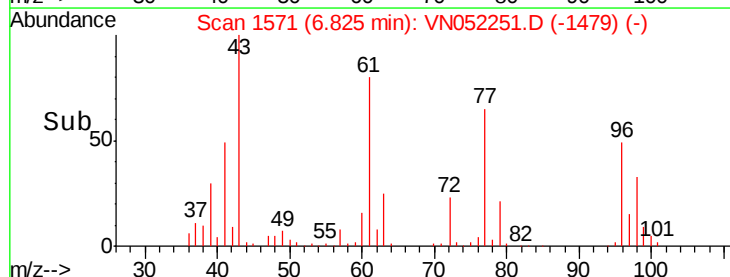
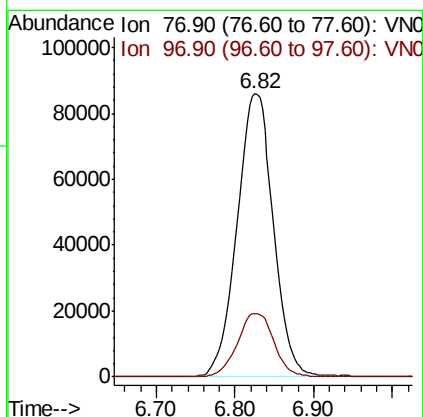
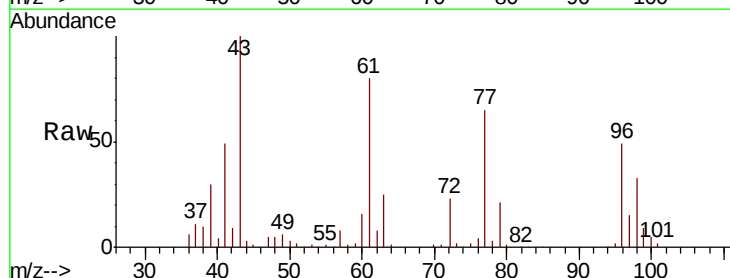
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

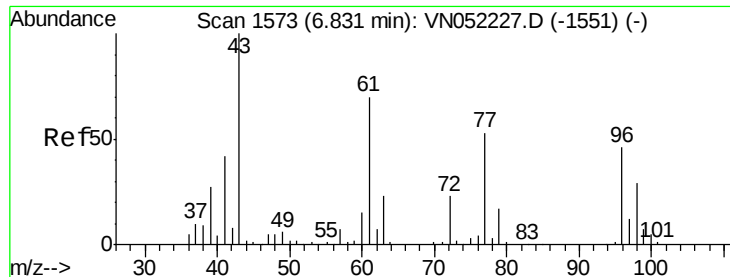
Tot Ion: 43 Resp: 403890
Ion Ratio Lower Upper
43 100
72 23.0 18.6 27.8



#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

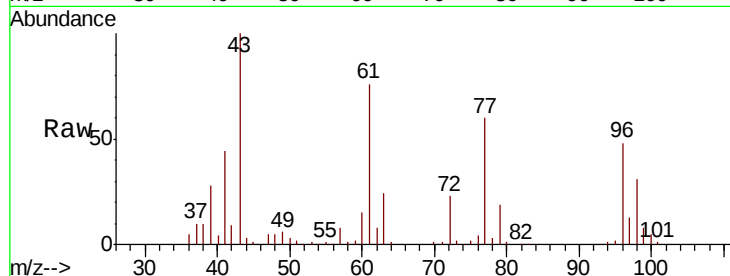
Tot Ion: 96 Resp: 196909

Ion Ratio Lower Upper

96 100

61 161.4 0.0 313.4

98 65.4 0.0 129.8

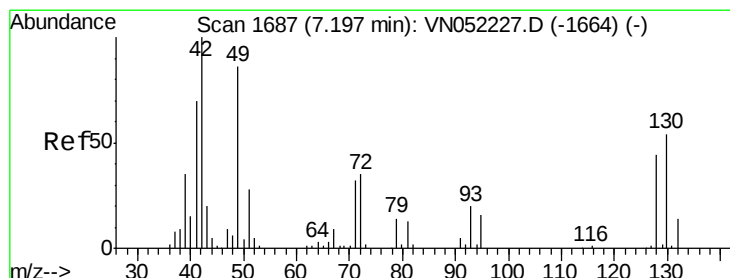
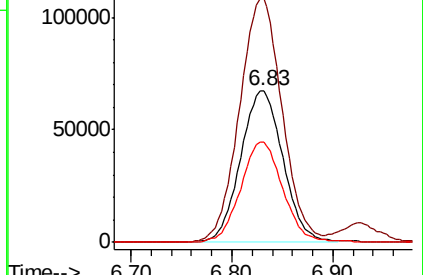
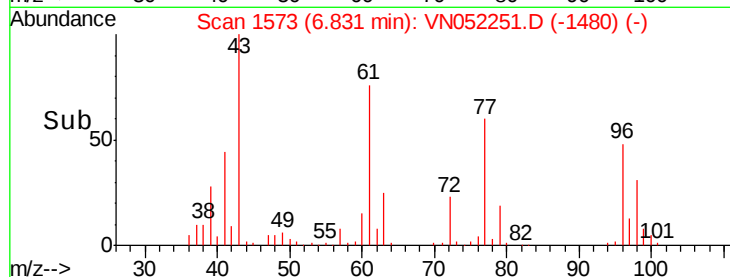


Abundance Ion 95.90 (95.60 to 96.60): VN052227.D (-1551) (-)

Ion 60.90 (60.60 to 61.60): VN052227.D (-1551) (-)

Ion 97.90 (97.60 to 98.60): VN052227.D (-1551) (-)

Time-->



#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

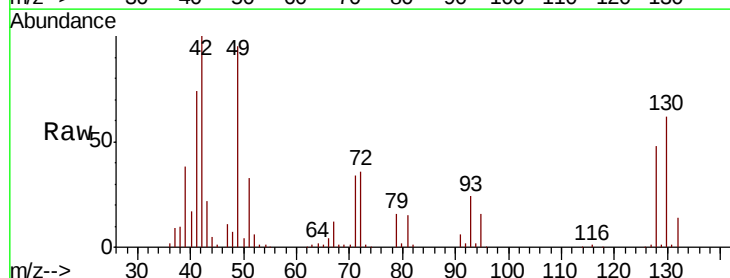
Tgt Ion: 49 Resp: 170120

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

130 64.6 51.4 77.2

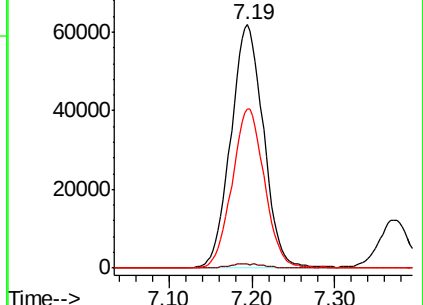
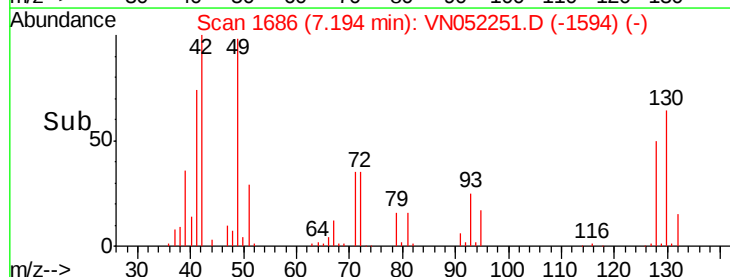


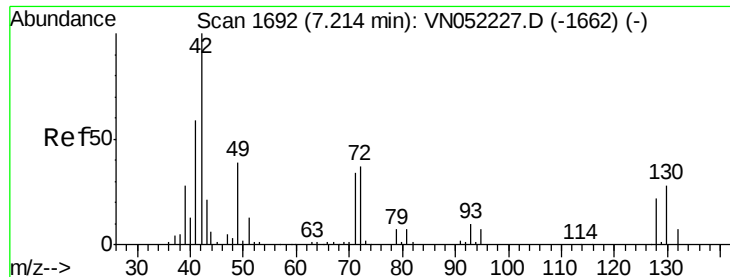
Abundance Ion 48.90 (48.60 to 49.60): VN052227.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN052227.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN052227.D (-1664) (-)

Time-->

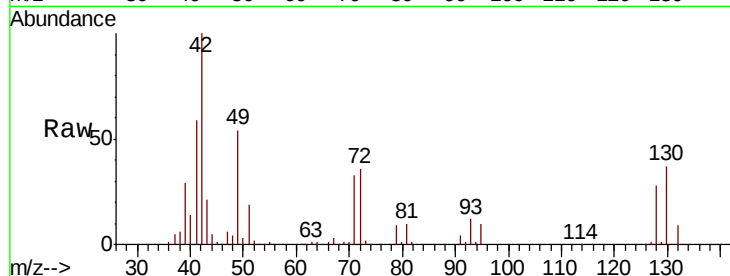




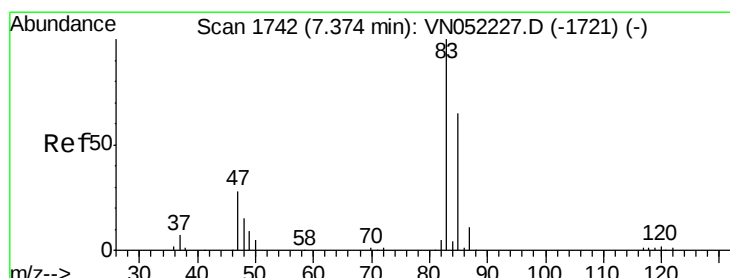
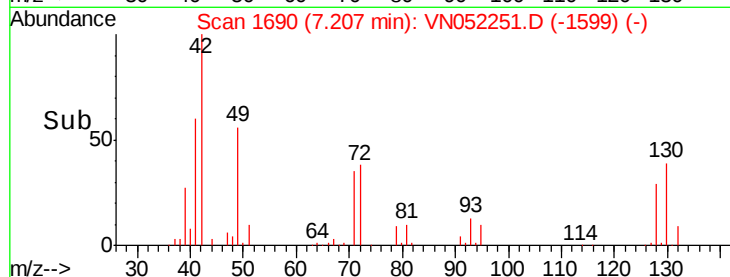
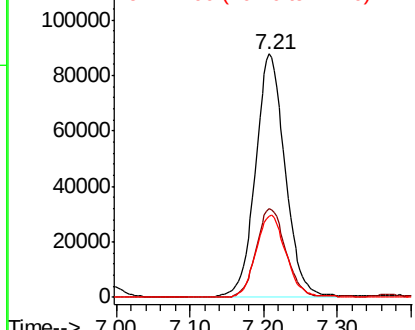
#29
Tetrahydrofuran
Concen: 197.462 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

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

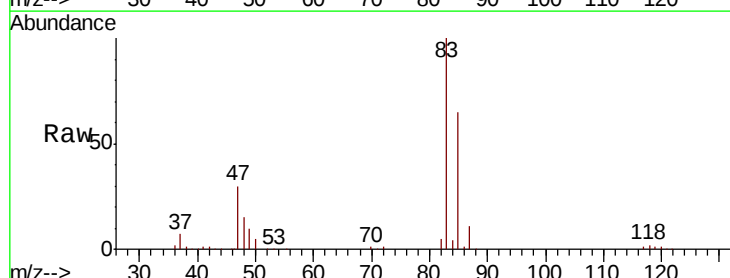


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

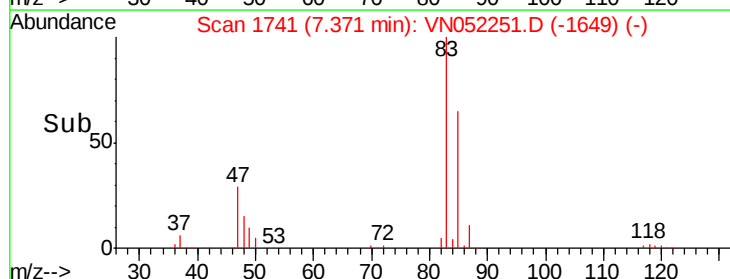
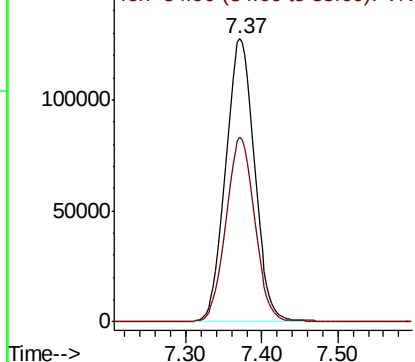


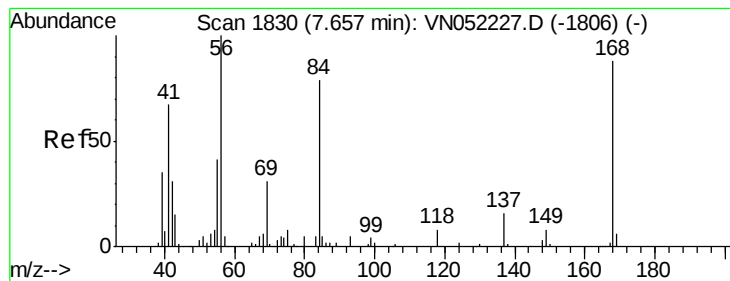
#30
Chloroform
Concen: 47.044 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

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



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#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

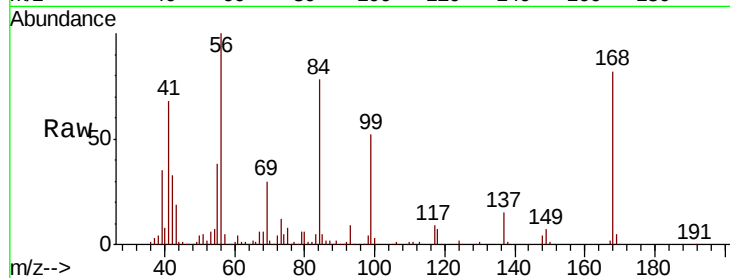
Tot Ion: 56 Resp: 346347

Ion Ratio Lower Upper

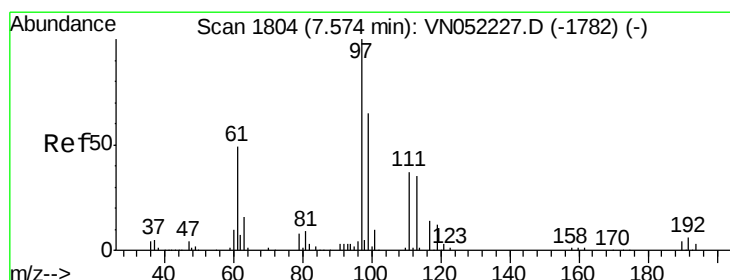
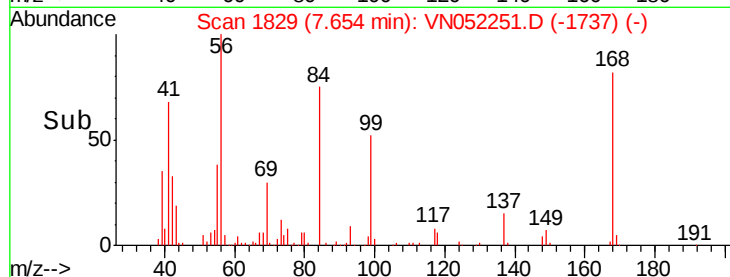
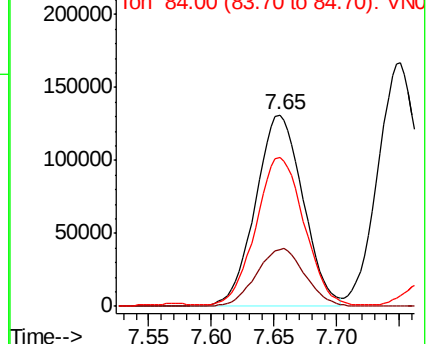
56 100

69 30.0 24.8 37.2

84 76.7 63.1 94.7



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



#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

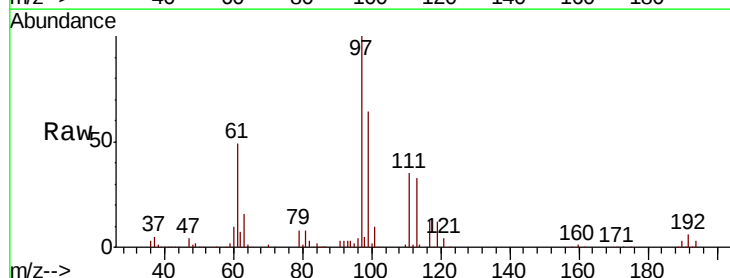
Tgt Ion: 97 Resp: 285024

Ion Ratio Lower Upper

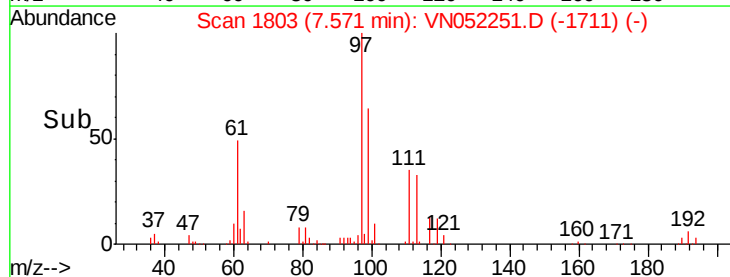
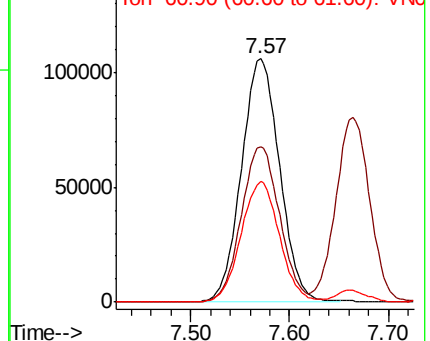
97 100

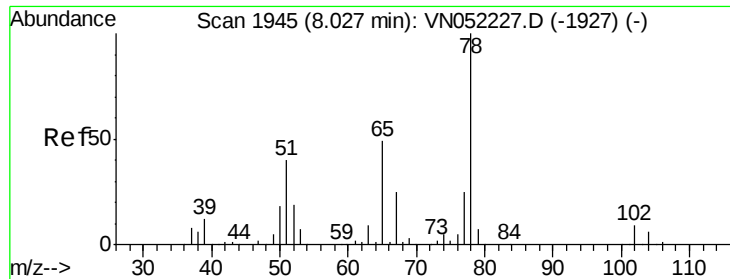
99 64.1 51.9 77.9

61 49.7 40.2 60.4



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

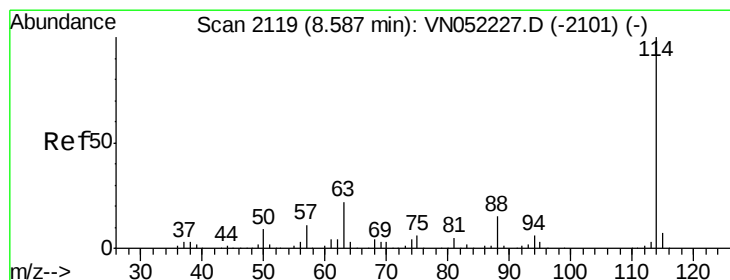
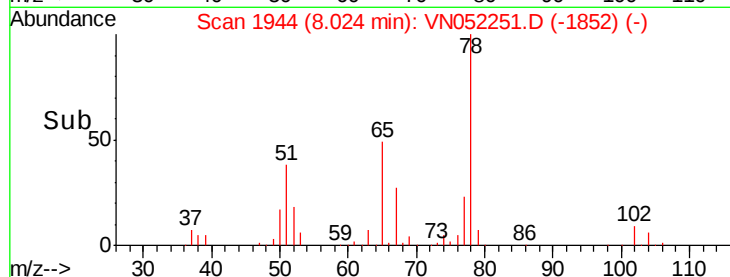
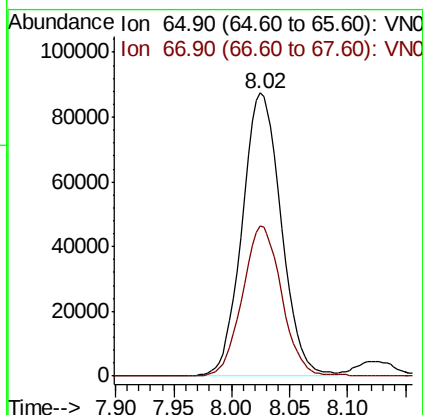
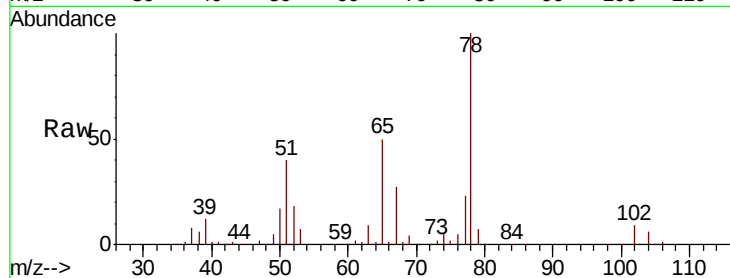




#33
 1,2-Dichloroethane-d4
 Concen: 48.656 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

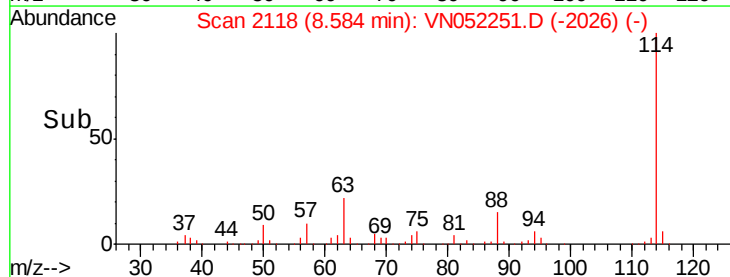
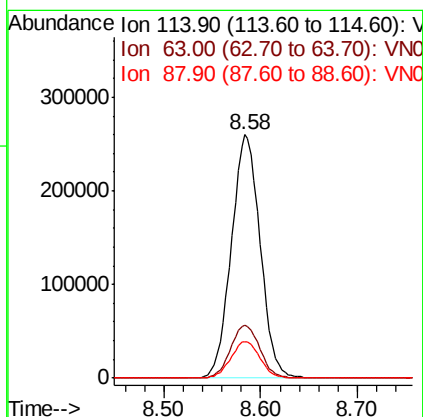
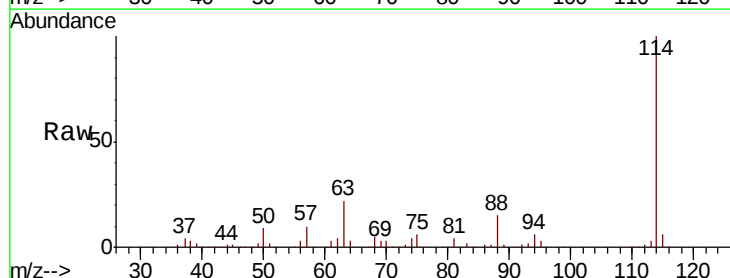
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

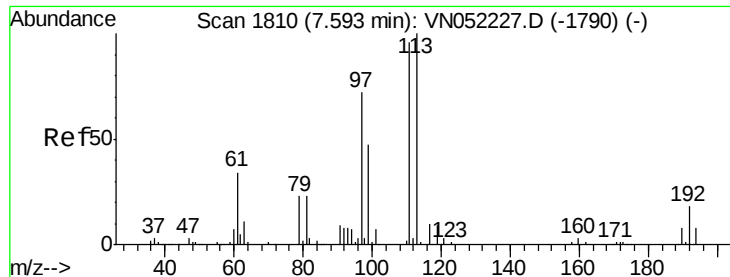
Tot Ion: 65 Resp: 205386
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.6



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

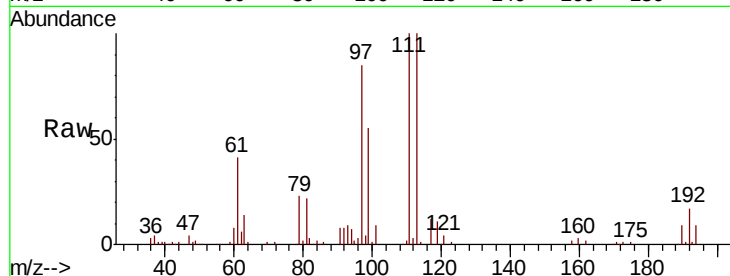




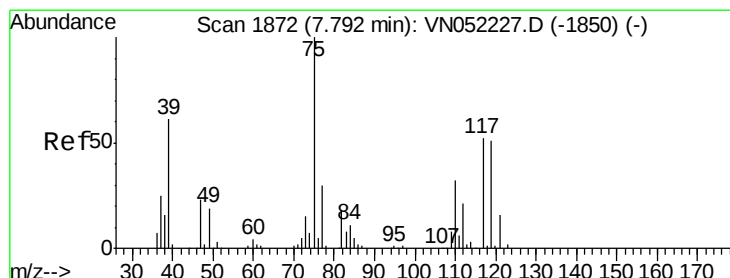
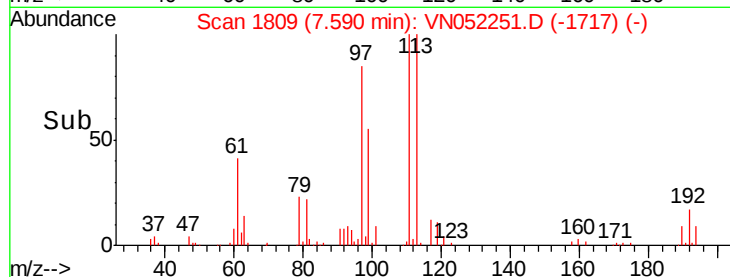
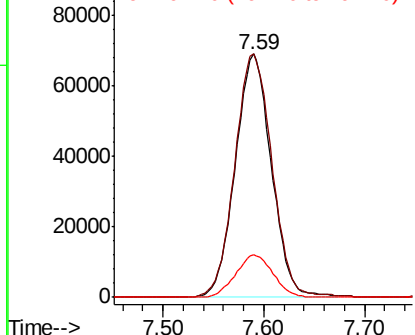
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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

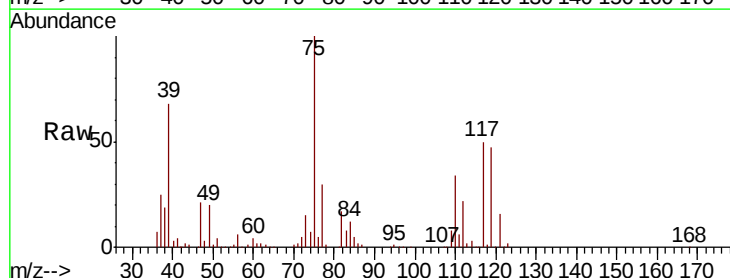


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

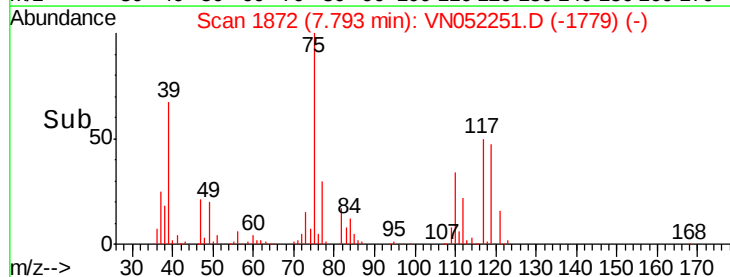
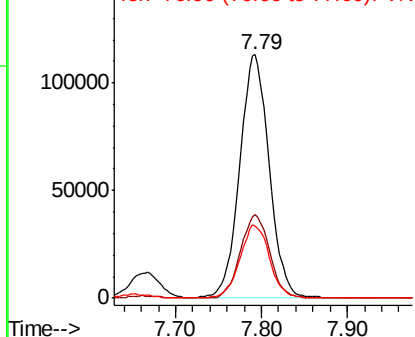


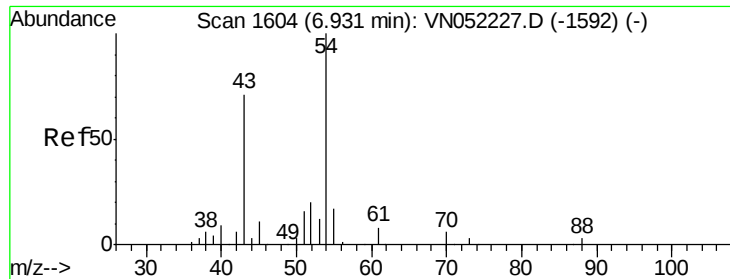
#36
 1,1-Dichloropropene
 Concen: 49.429 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

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



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

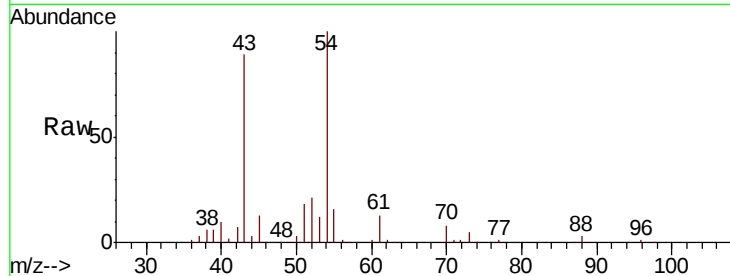




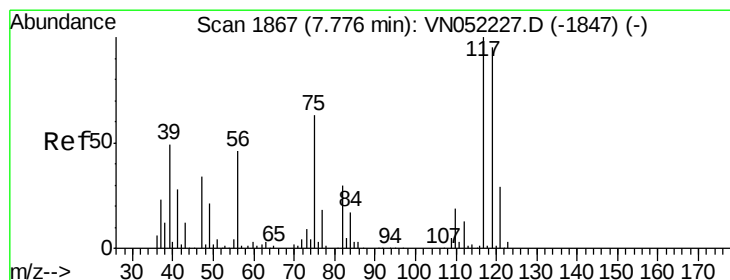
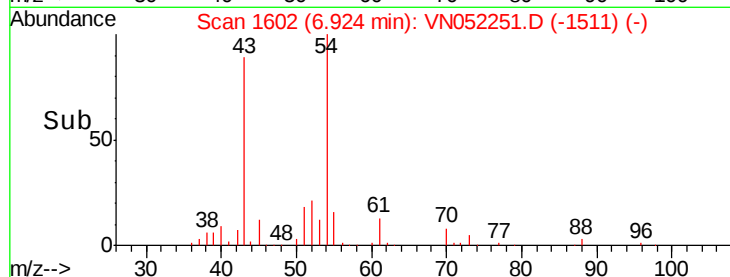
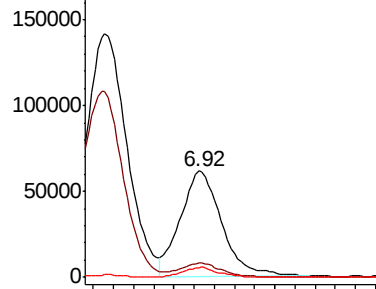
#37
Ethyl Acetate
Concen: 42.763 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 174654
Ion Ratio Lower Upper
43 100
61 13.1 10.0 15.0
70 7.9 6.9 10.3

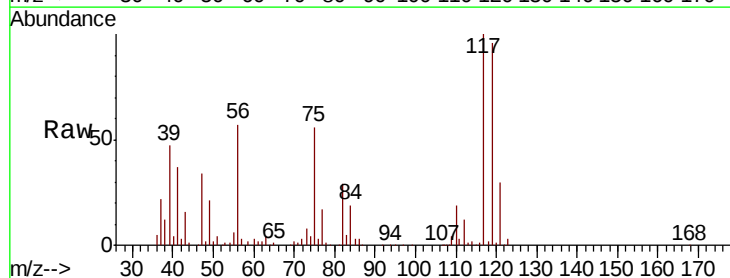


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

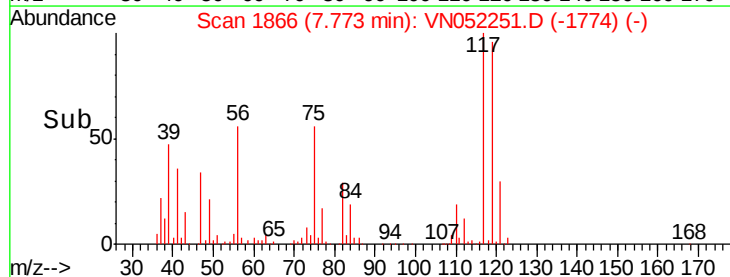
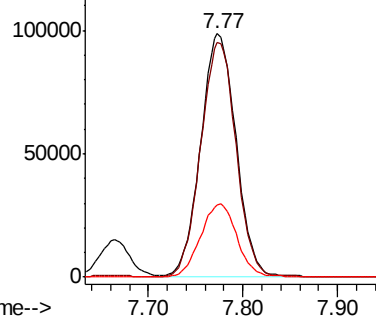


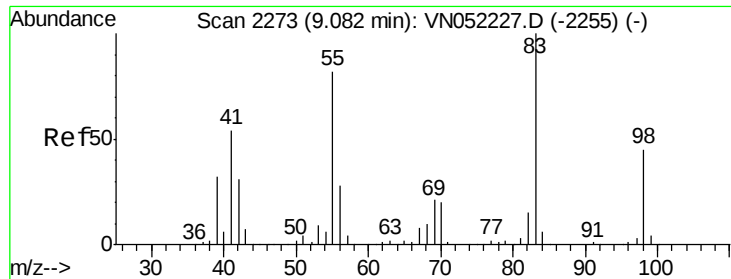
#38
Carbon Tetrachloride
Concen: 51.804 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion: 117 Resp: 254925
Ion Ratio Lower Upper
117 100
119 96.4 75.8 113.8
121 29.7 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

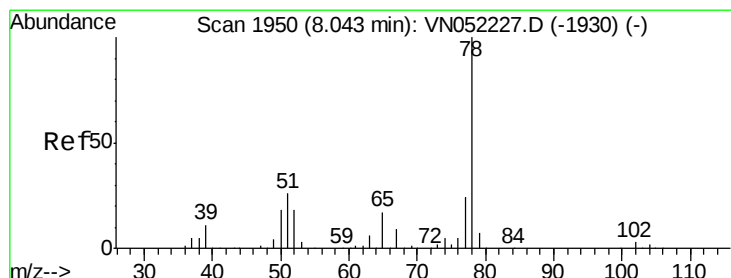
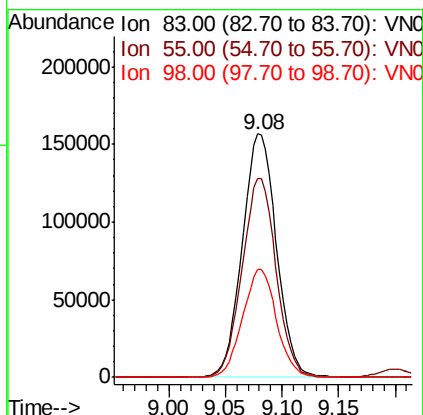
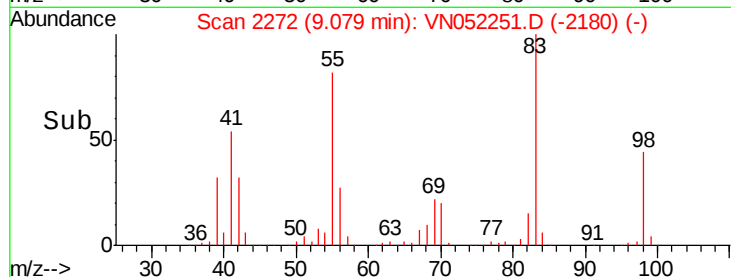
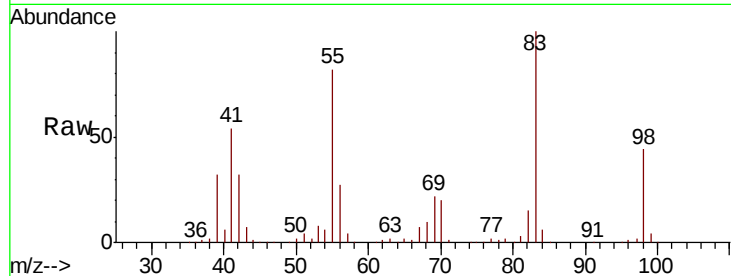




#39
Methvlcvclohexane
Concen: 53.243 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

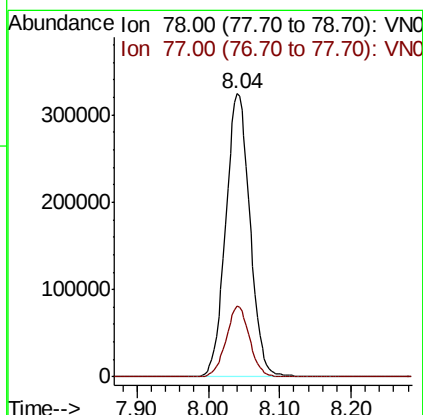
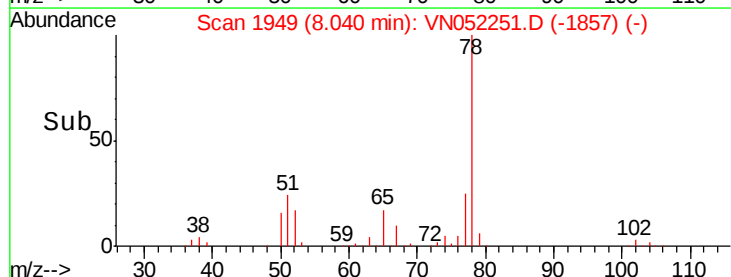
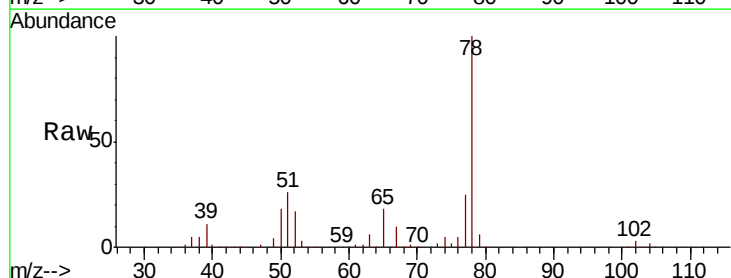
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

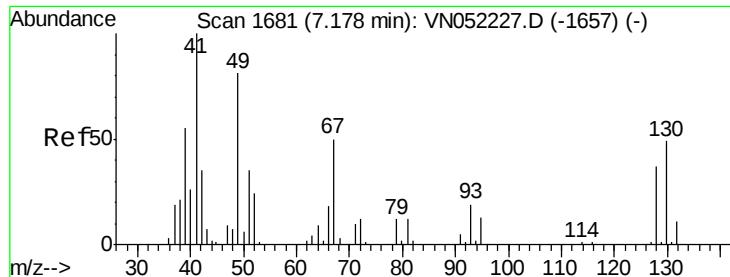
Tot Ion: 83 Resp: 329769
Ion Ratio Lower Upper
83 100
55 81.8 65.2 97.8
98 44.3 36.3 54.5



#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: 78 Resp: 766454
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

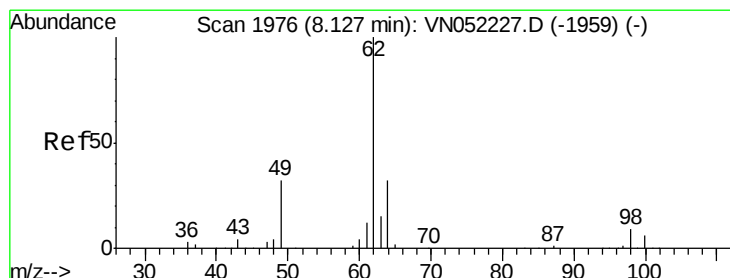
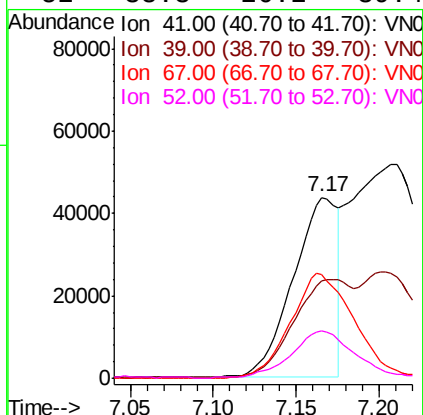
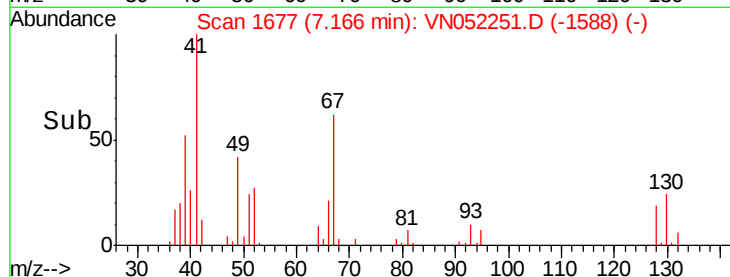
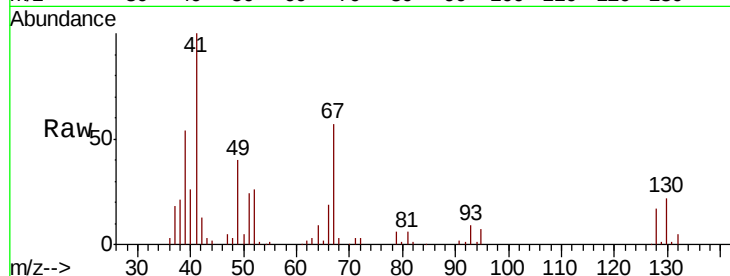
ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 81748

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



#42

1,2-Dichloroethane

Concen: 46.319 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

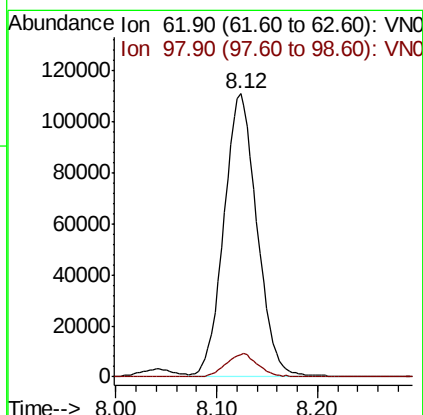
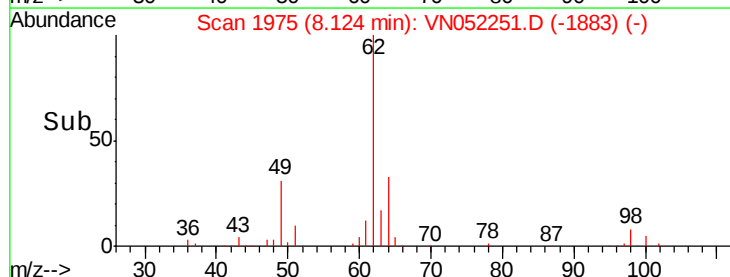
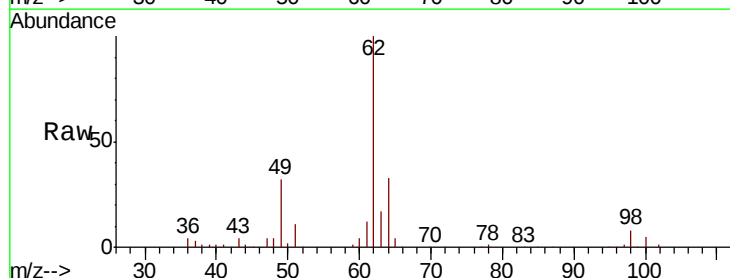
Lab File: VN052251.D

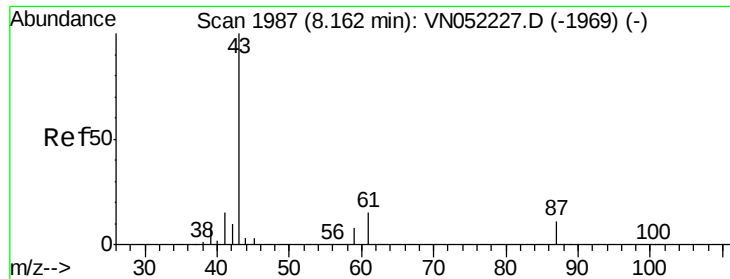
Acq: 12 Nov 2018 9:37

Tgt Ion: 62 Resp: 252665

Ion Ratio Lower Upper

62	100		
98	8.0	0.0	16.4



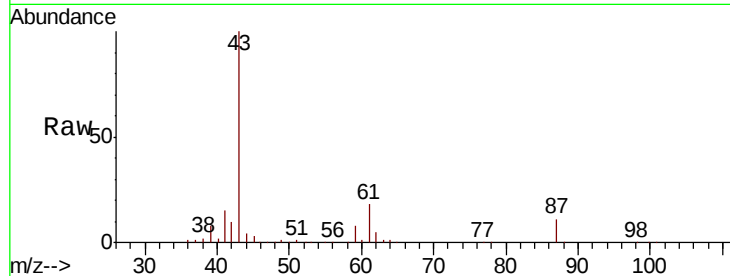


#43

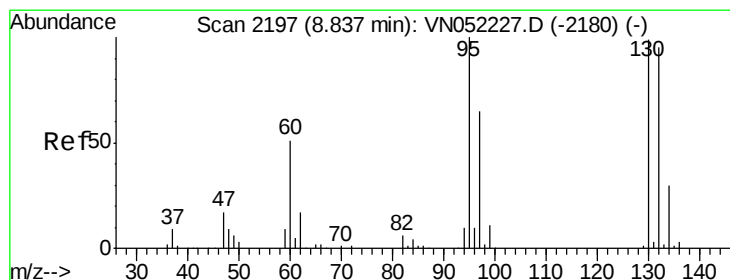
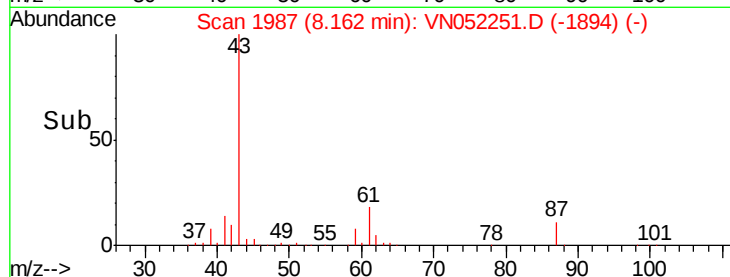
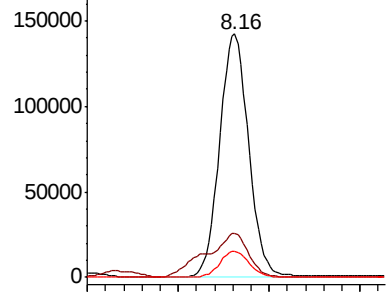
Isopropyl Acetate
 Concen: 44.240 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

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



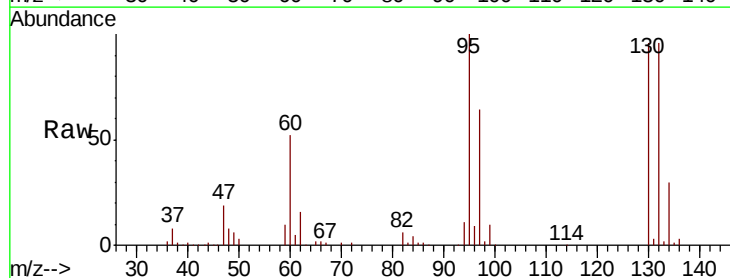
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



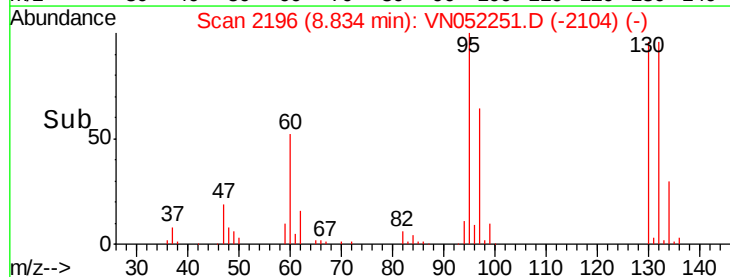
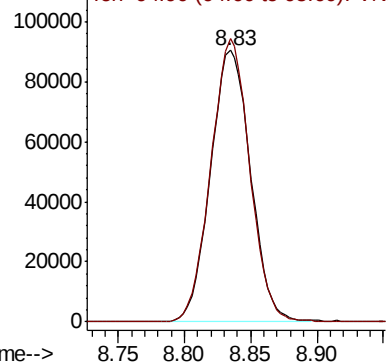
#44

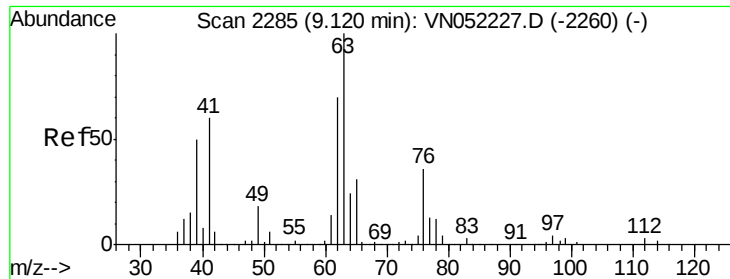
Trichloroethene
 Concen: 48.918 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

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



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#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

ClientSampled :

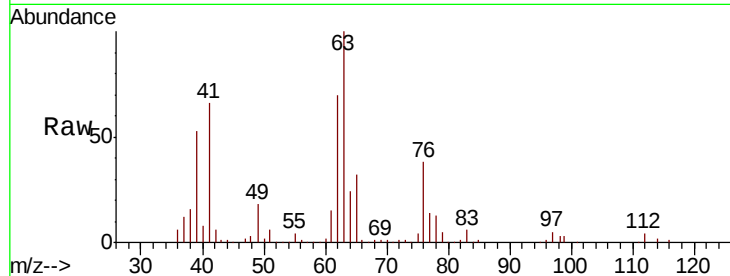
VSTDCCC050

Tot Ion: 63 Resp: 212592

Ion Ratio Lower Upper

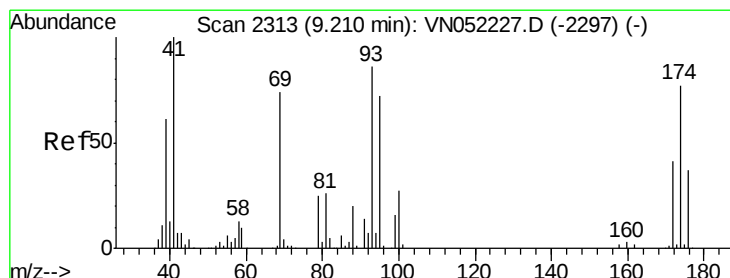
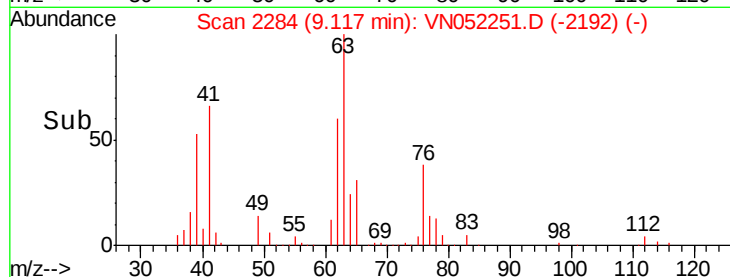
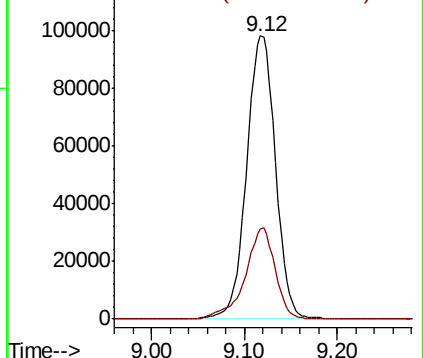
63 100

65 32.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#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

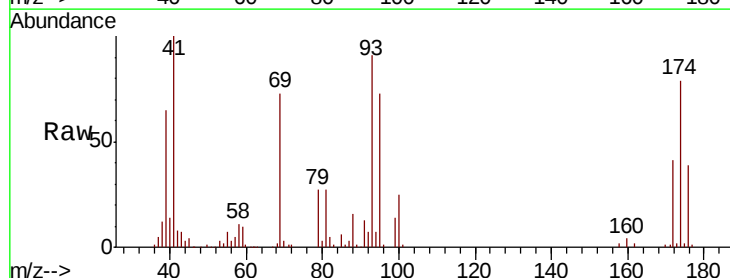
Tgt Ion: 93 Resp: 118045

Ion Ratio Lower Upper

93 100

95 82.6 67.0 100.4

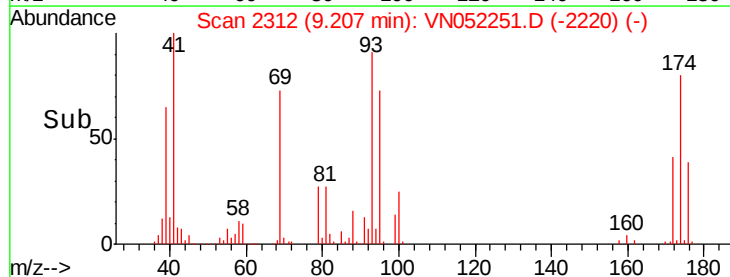
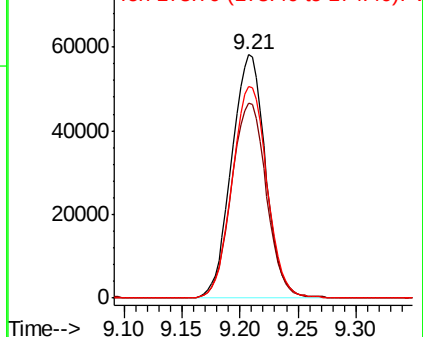
174 89.3 72.1 108.1

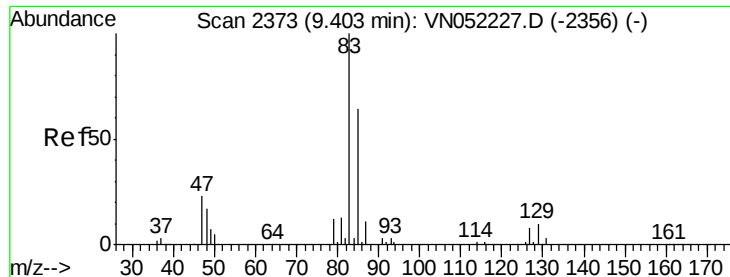


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

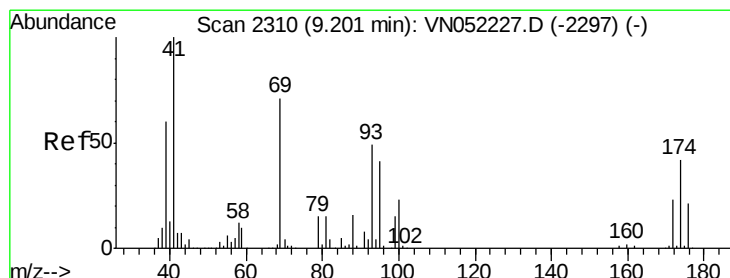
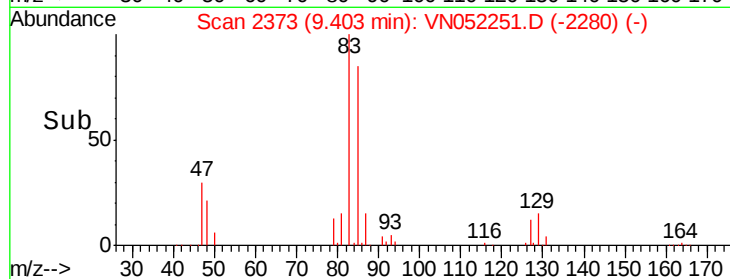
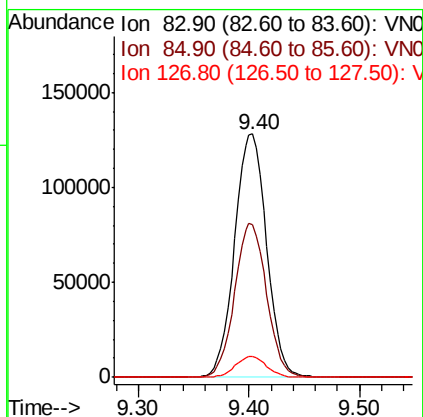
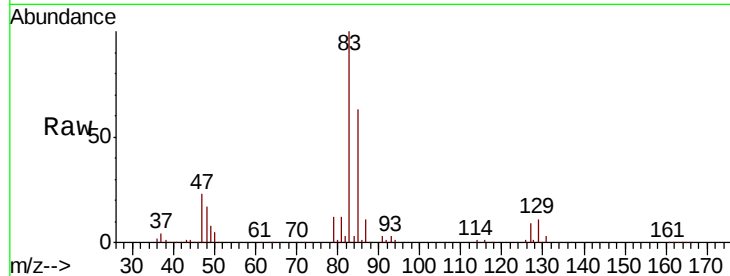




#47
 Bromodichloromethane
 Concen: 49.837 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

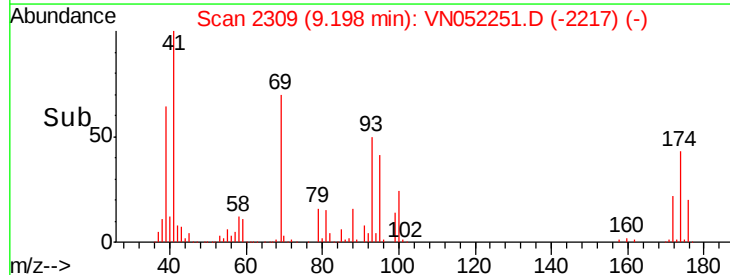
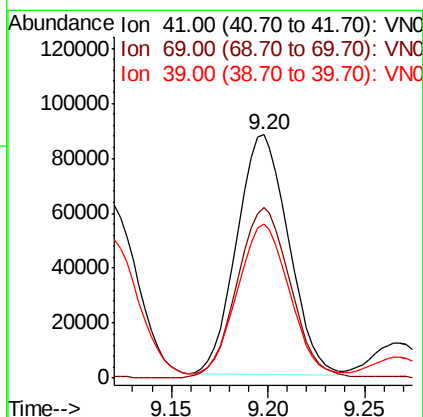
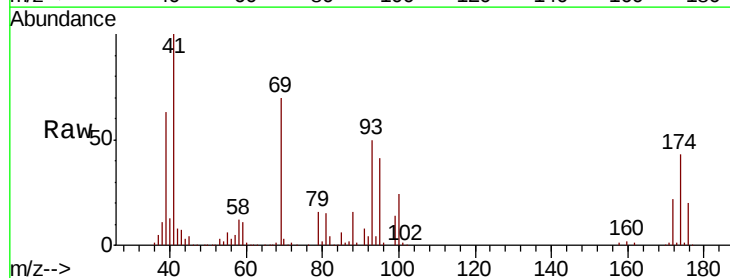
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

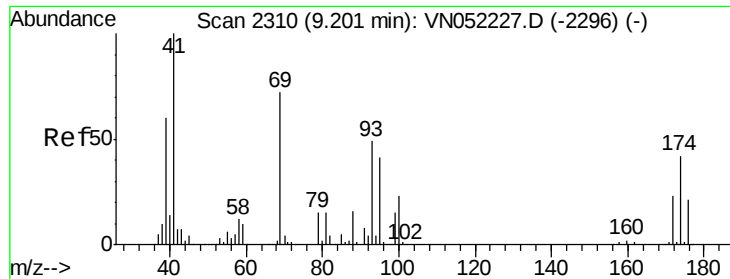
Tot Ion: 83 Resp: 257612
 Ion Ratio Lower Upper
 83 100
 85 62.6 51.2 76.8
 127 8.7 6.2 9.4



#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: 41 Resp: 162614
 Ion Ratio Lower Upper
 41 100
 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

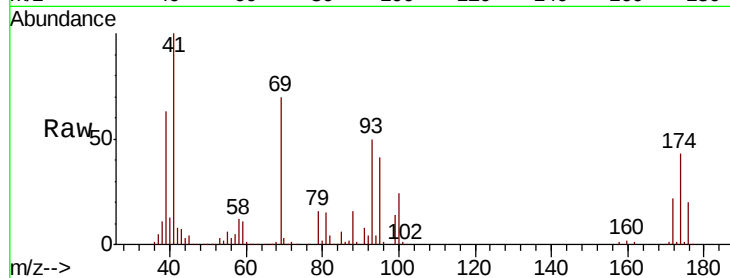
Tot Ion: 88 Resp: 28448

Ion Ratio Lower Upper

88 100

43 40.4 32.5 48.7

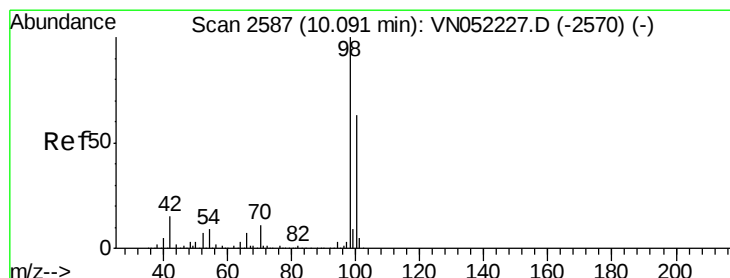
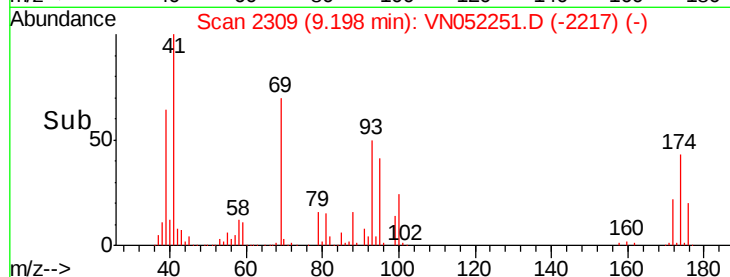
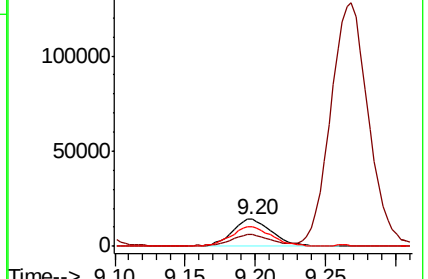
58 73.3 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VN052227.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN052227.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2296) (-)



#50

Toluene-d8

Concen: 943.446 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052251.D

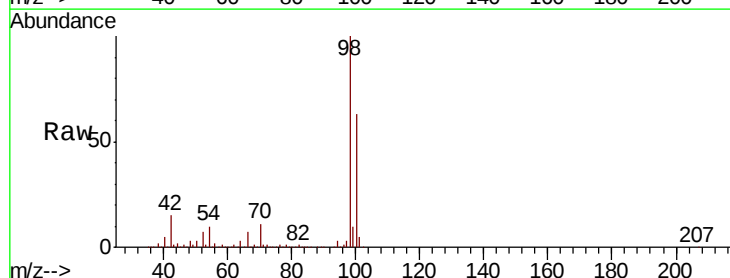
Acq: 12 Nov 2018 9:37

Tgt Ion: 98 Resp: 665723

Ion Ratio Lower Upper

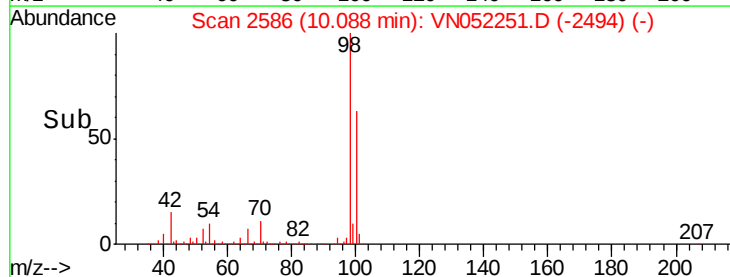
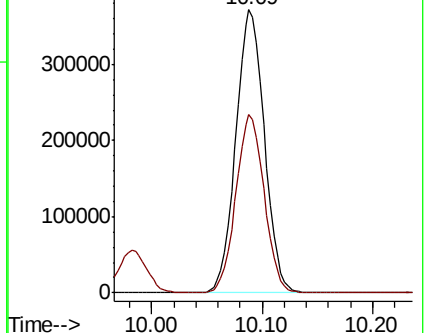
98 100

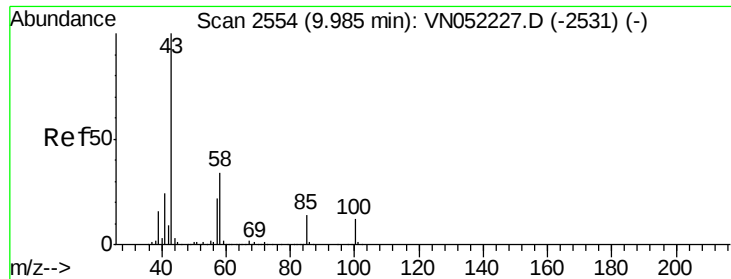
100 62.6 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN052227.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052227.D (-2570) (-)

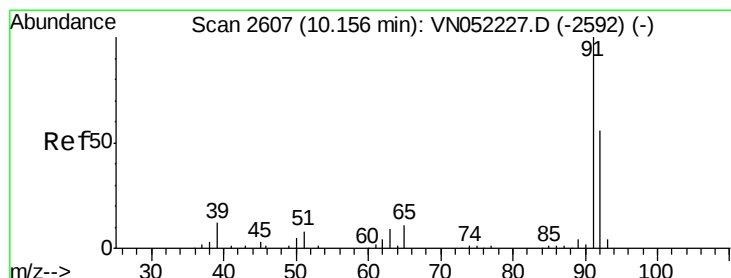
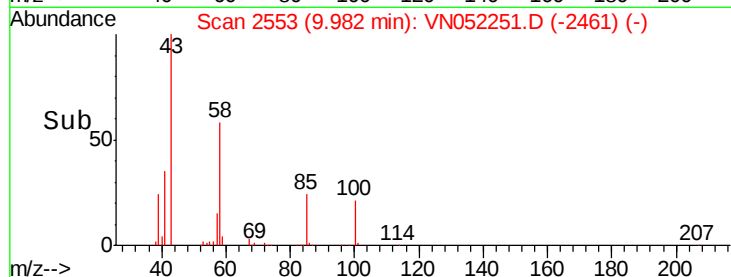
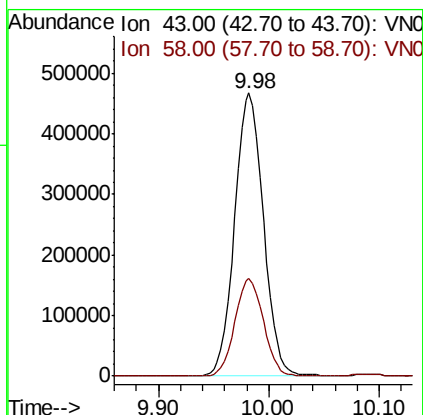
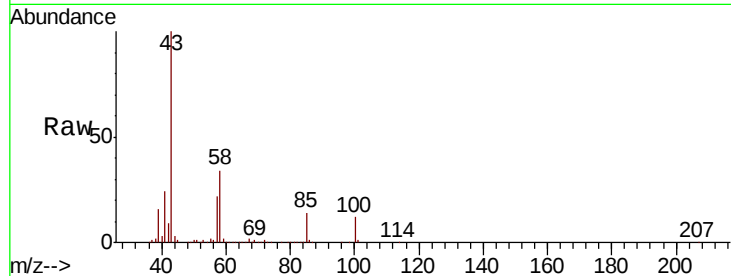




#51
 4-Methyl-2-Pentanone
 Concen: 214.681 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

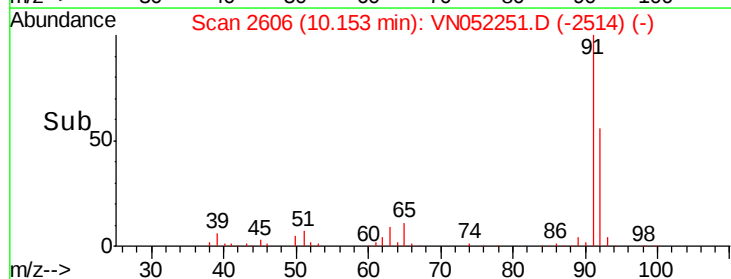
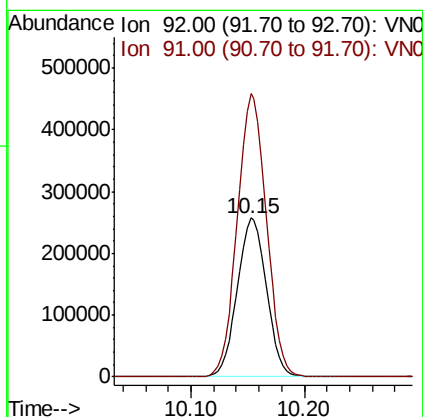
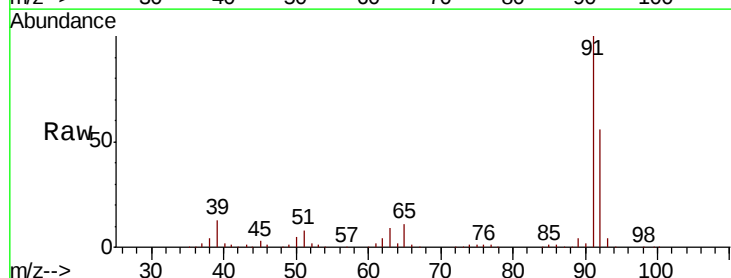
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

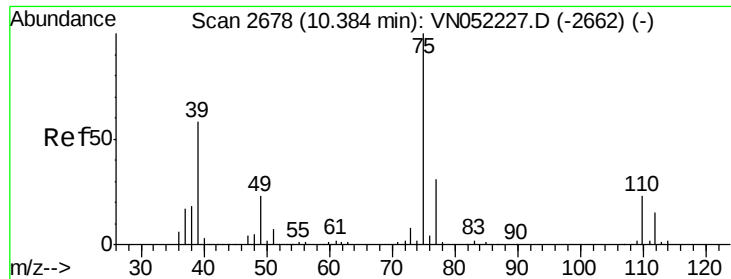
Tot Ion: 43 Resp: 844014
 Ion Ratio Lower Upper
 43 100
 58 34.4 27.4 41.0



#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 :

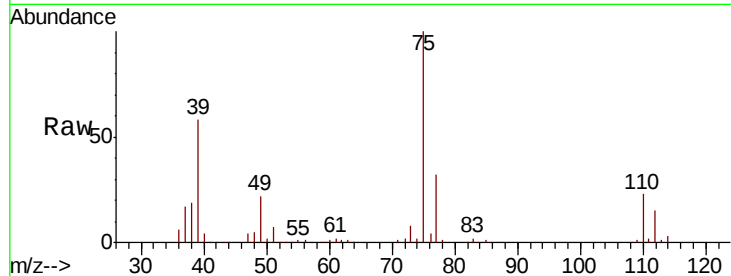
VSTDCCC050

Tot Ion: 75 Resp: 265581

Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

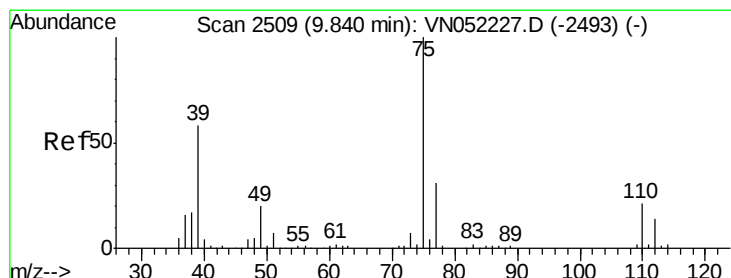
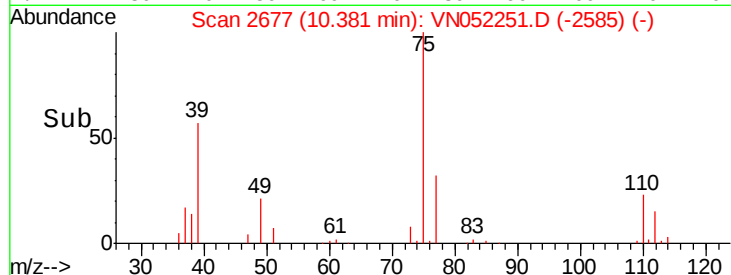
150000

100000

50000

0

Time-->



#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

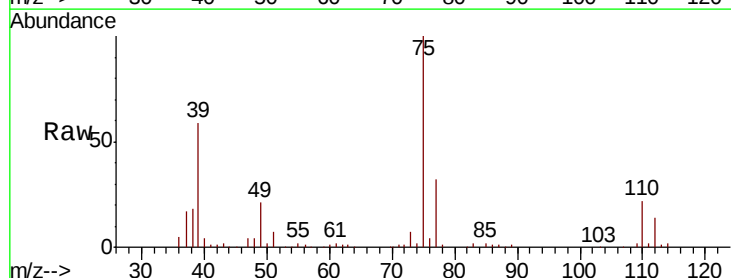
Tgt Ion: 75 Resp: 309510

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 59.1 46.6 70.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

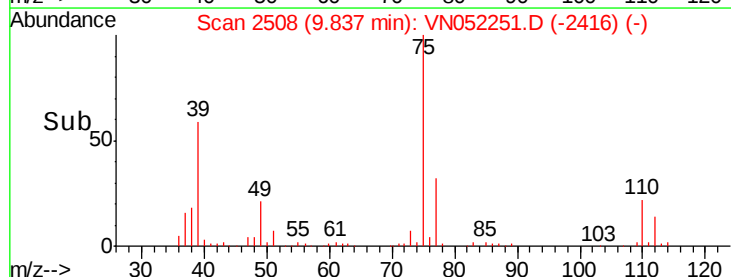
150000

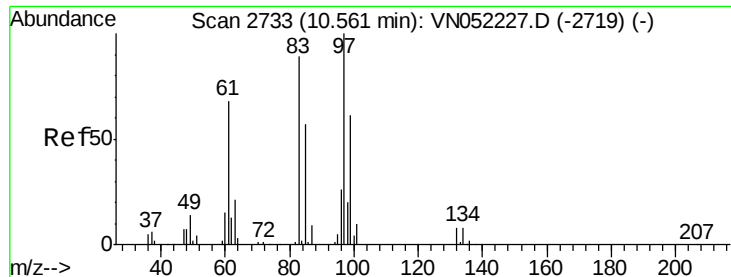
100000

50000

0

Time-->

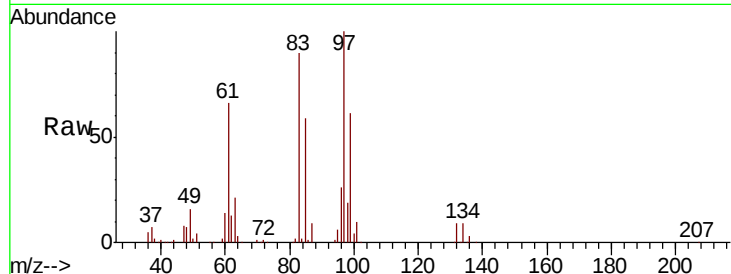




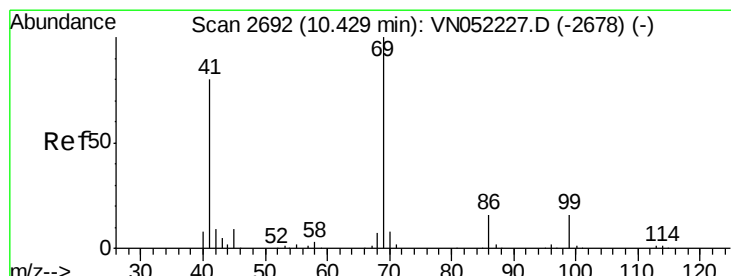
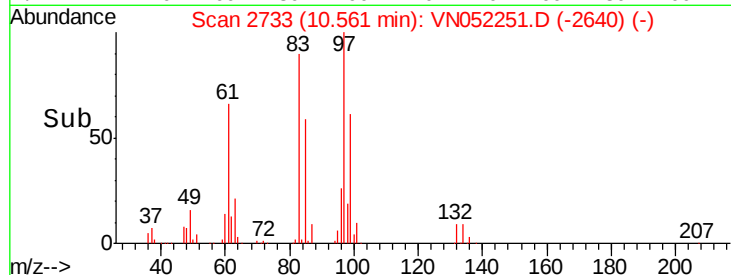
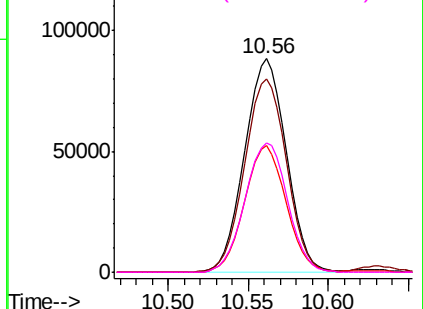
#55
 1,1,2-Trichloroethane
 Concen: 46.413 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 157332
 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

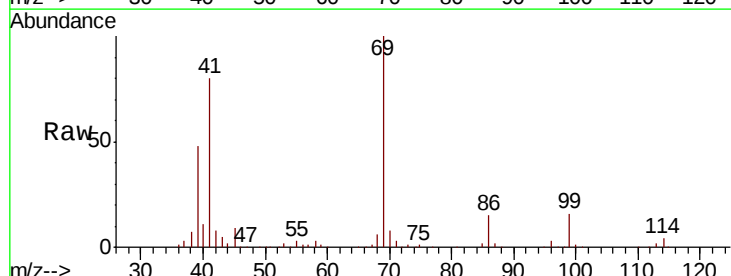


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

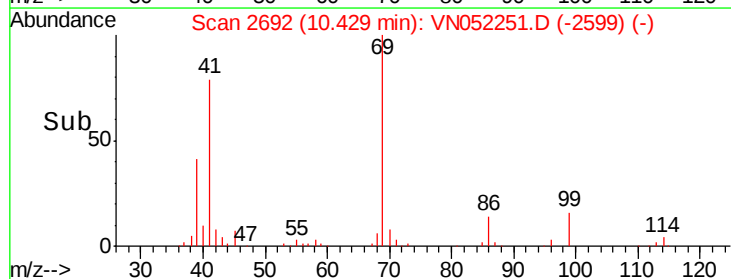
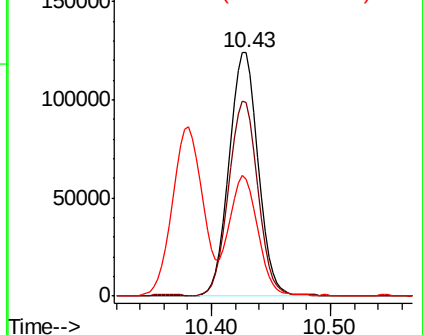


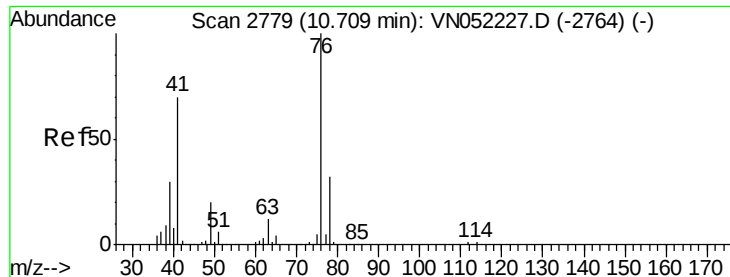
#56
 Ethyl methacrylate
 Concen: 46.109 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

Tgt Ion: 69 Resp: 211244
 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 :

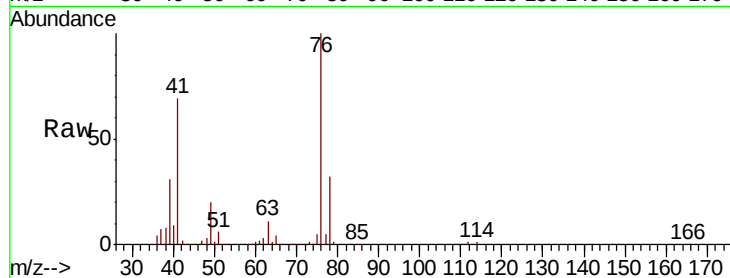
VSTDCCC050

Tot Ion: 76 Resp: 282156

Ion Ratio Lower Upper

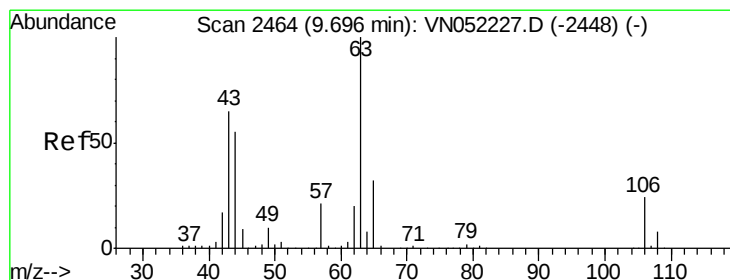
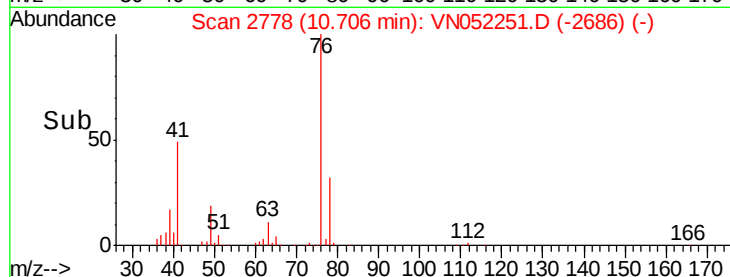
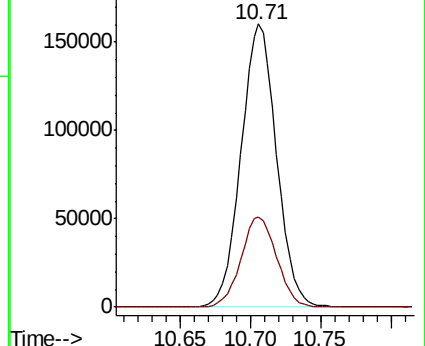
76 100

78 32.2 25.7 38.5



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

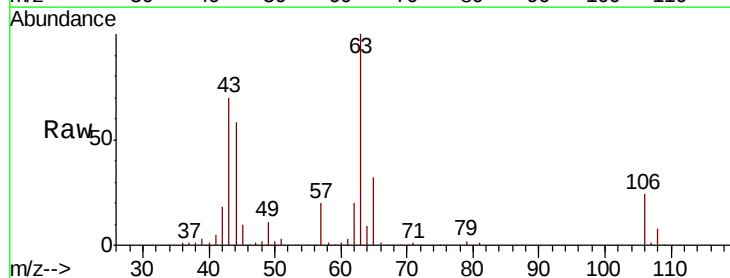
Acq: 12 Nov 2018 9:37

Tgt Ion: 63 Resp: 603227

Ion Ratio Lower Upper

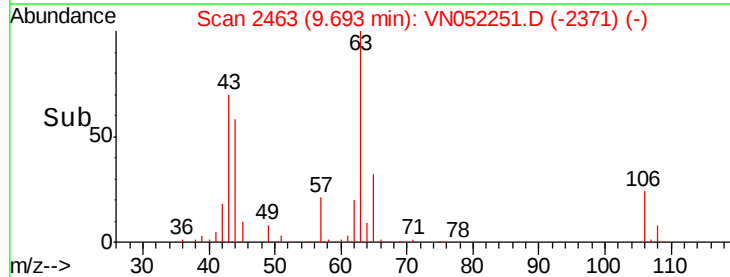
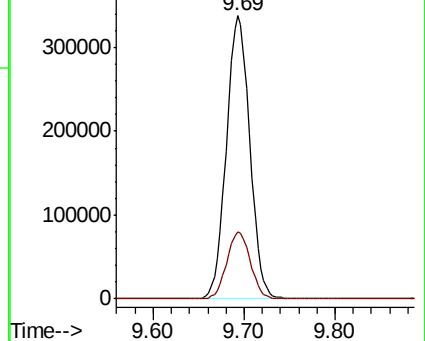
63 100

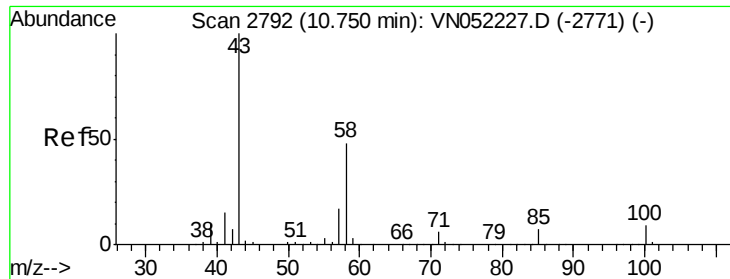
106 23.8 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

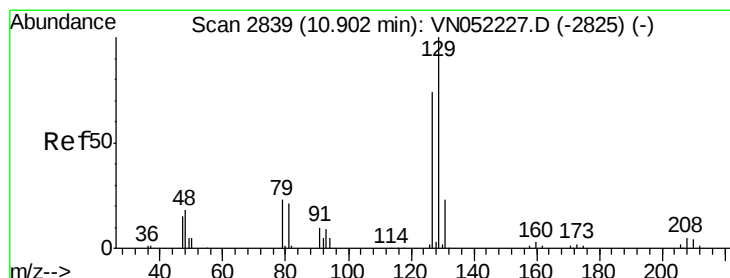
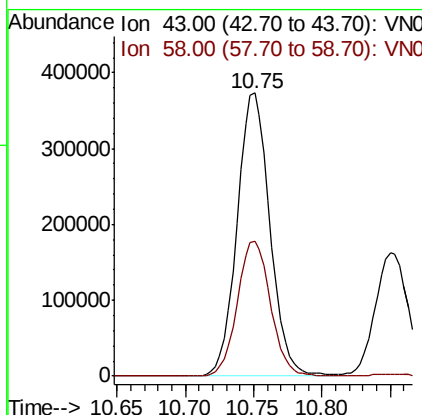
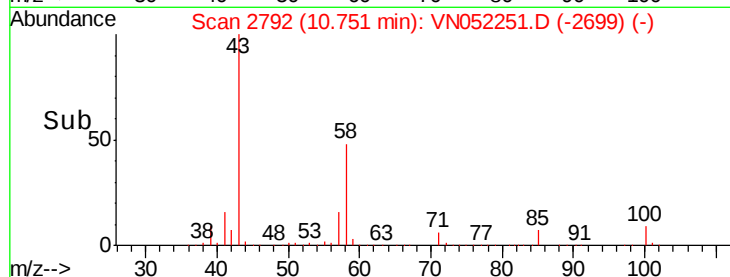
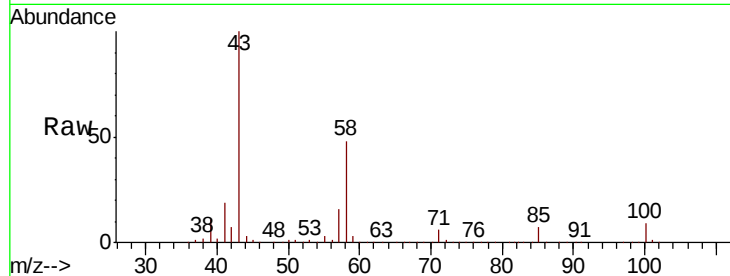




#59
2-Hexanone
Concen: 225.336 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

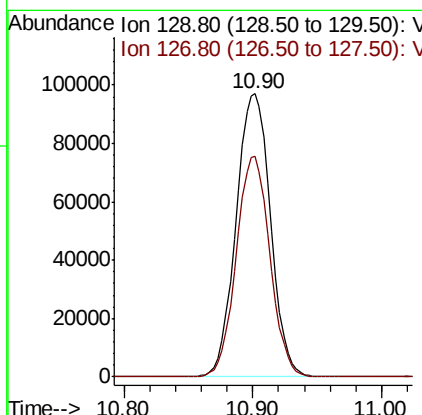
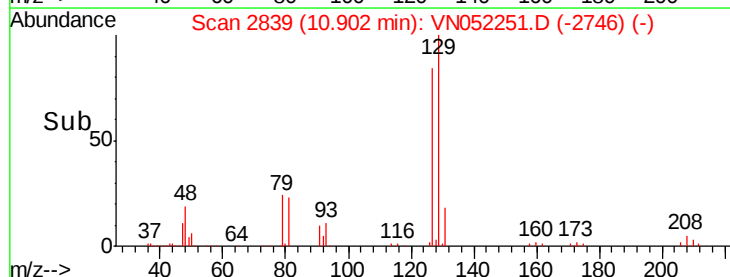
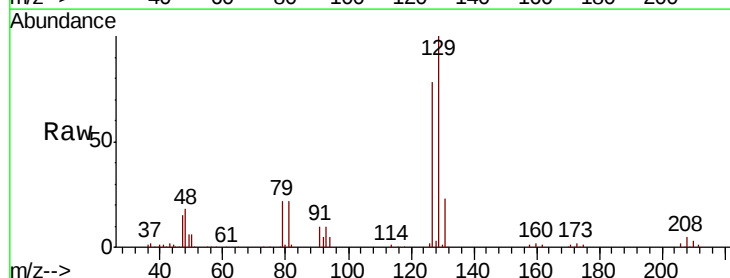
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

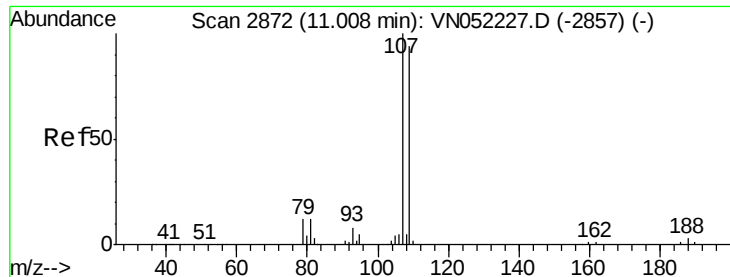
Tot Ion: 43 Resp: 621902
Ion Ratio Lower Upper
43 100
58 48.2 24.1 72.3



#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 Resp: 180198
Ion Ratio Lower Upper
129 100
127 76.2 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 :

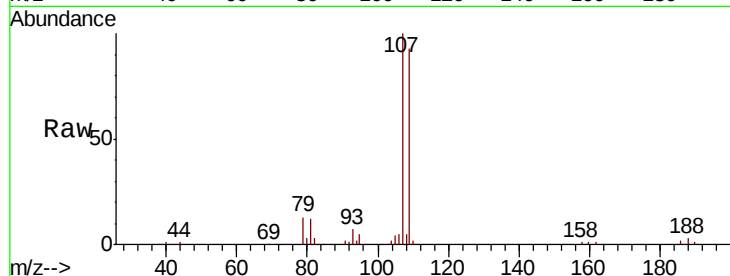
VSTDCCC050

Tot Ion: 107 Resp: 156220

Ion Ratio Lower Upper

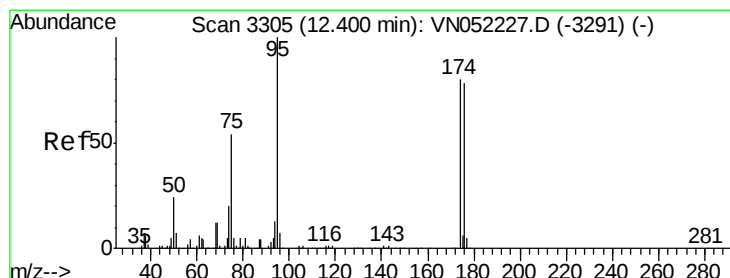
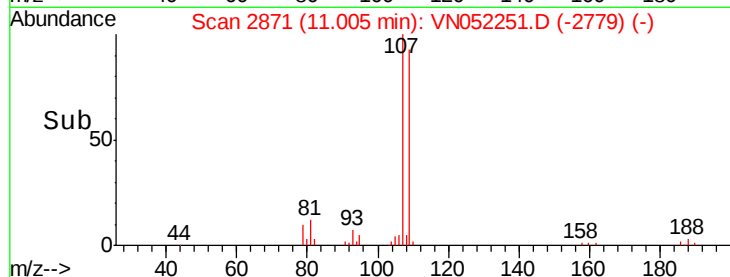
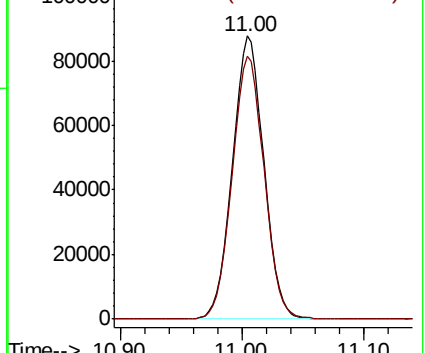
107 100

109 94.6 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#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

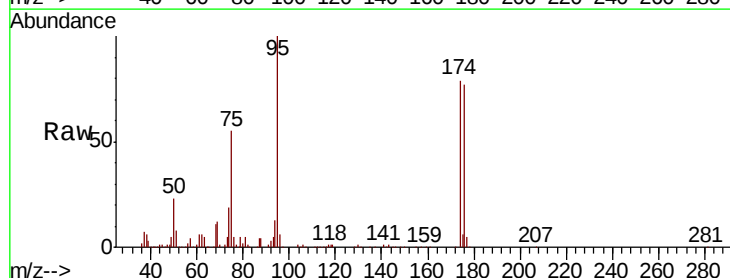
Tgt Ion: 95 Resp: 223415

Ion Ratio Lower Upper

95 100

174 78.2 0.0 159.4

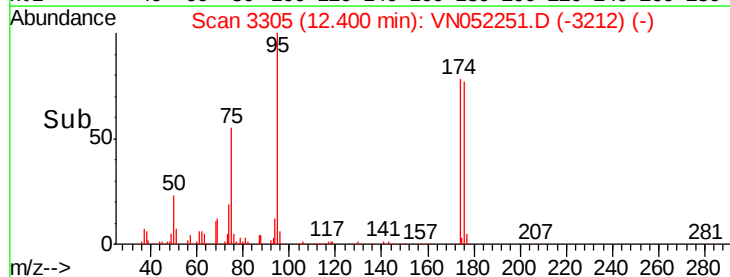
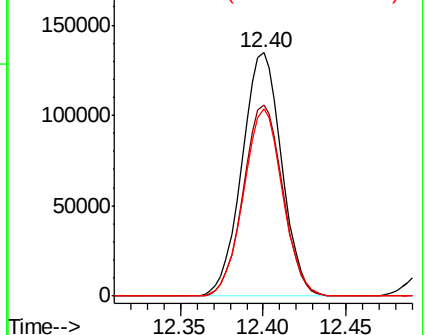
176 76.2 0.0 157.8

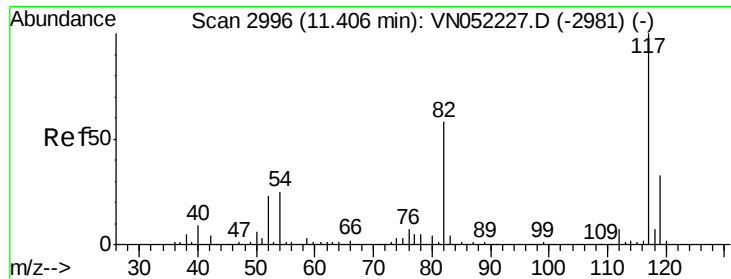


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

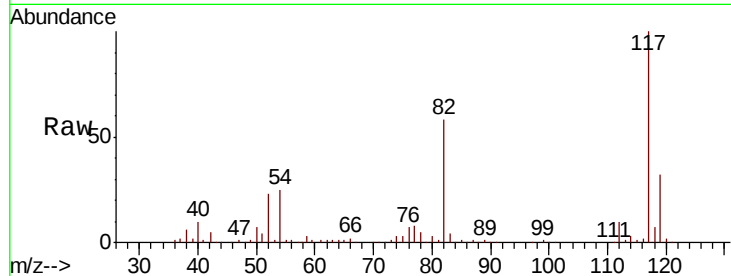




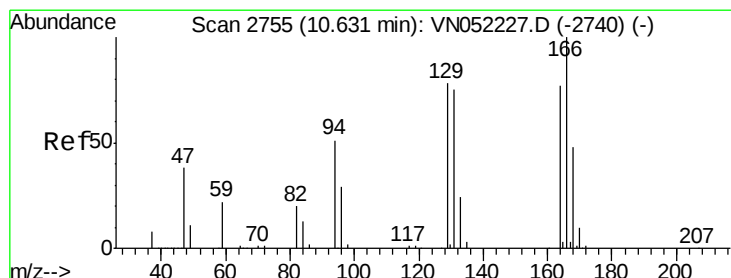
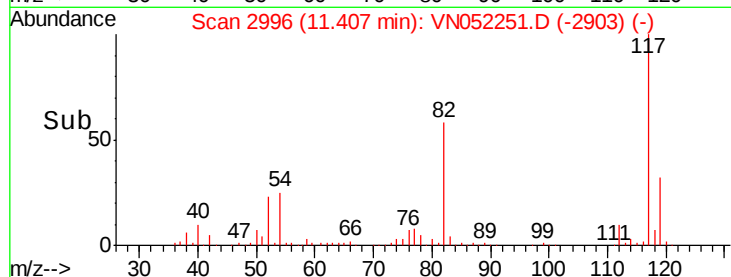
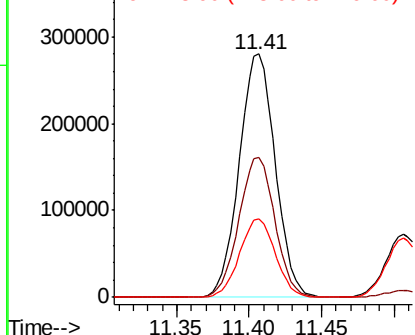
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 484941
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.2
119 32.5 26.2 39.4

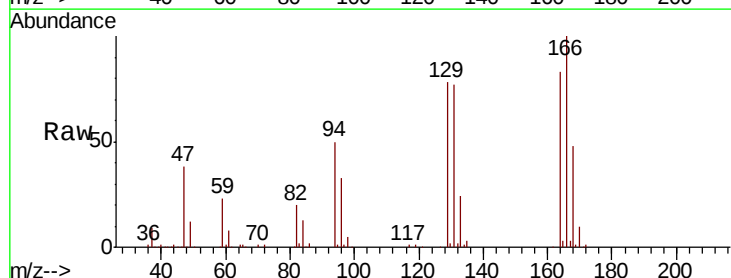


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

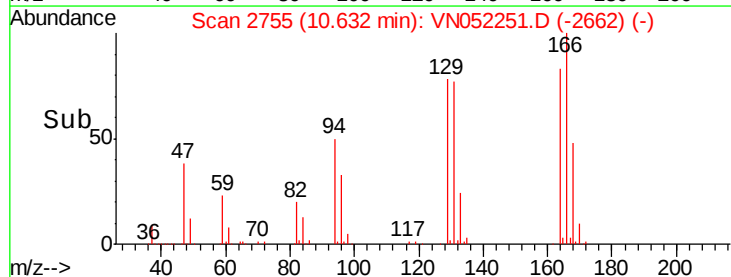
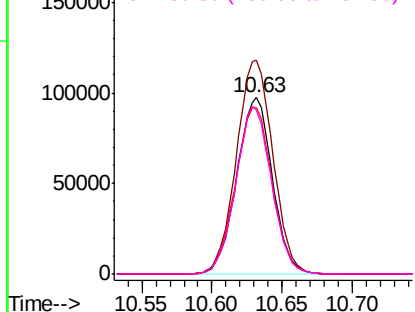


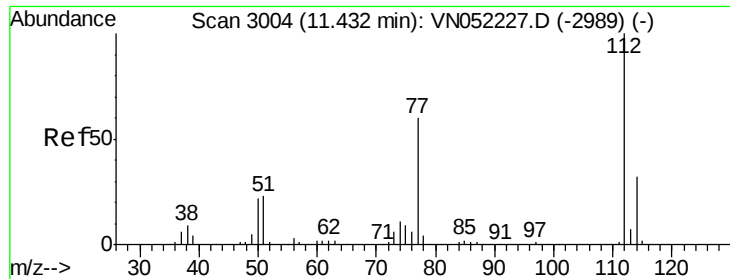
#64
Tetrachloroethene
Concen: 50.717 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion:164 Resp: 172198
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

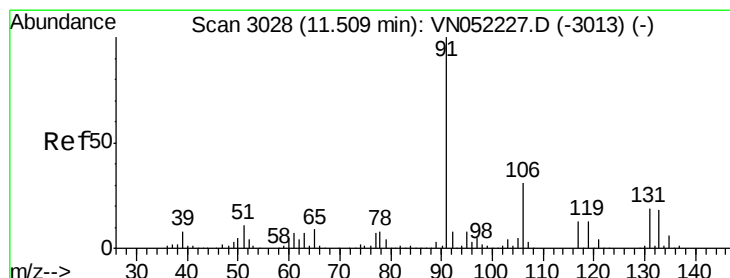
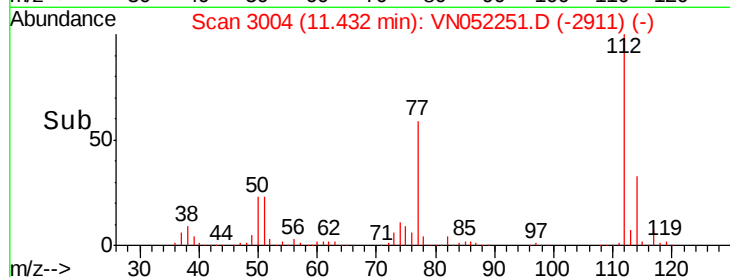
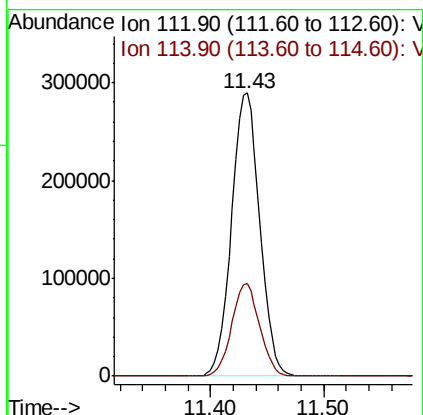
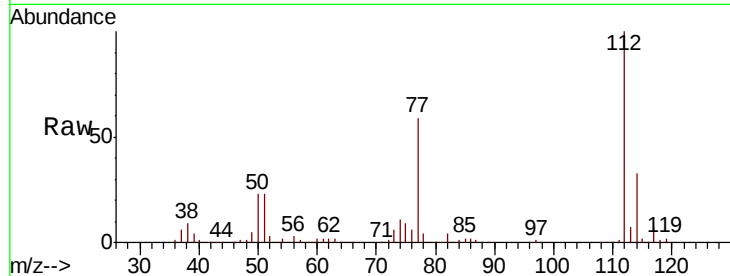




#65
Chlorobenzene
Concen: 48.751 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

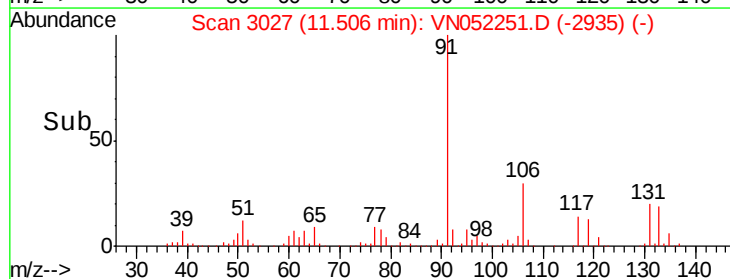
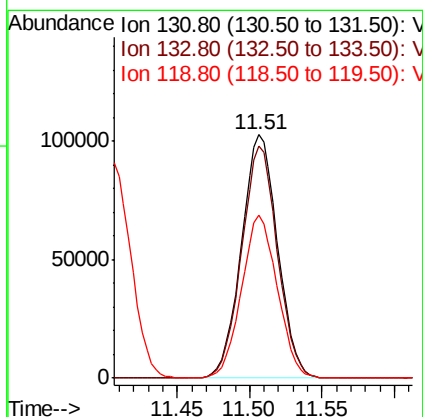
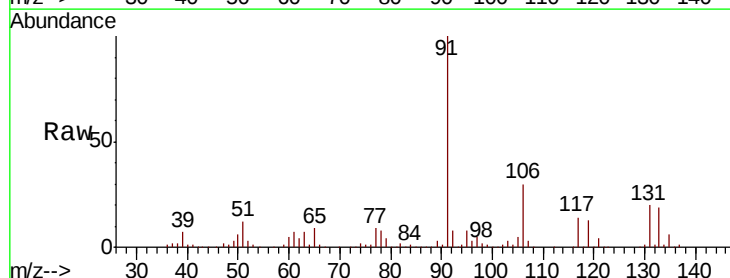
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

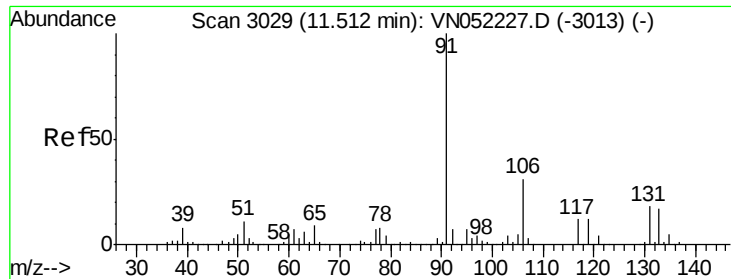
Tot Ion:112 Resp: 500935
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5



#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

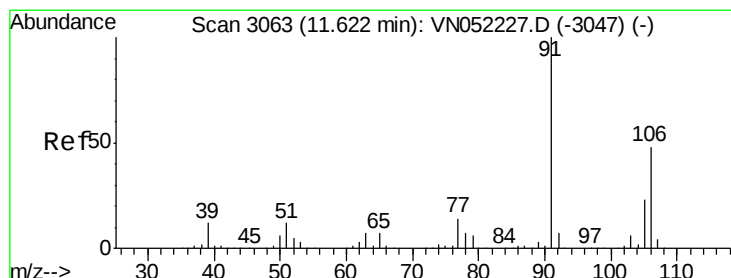
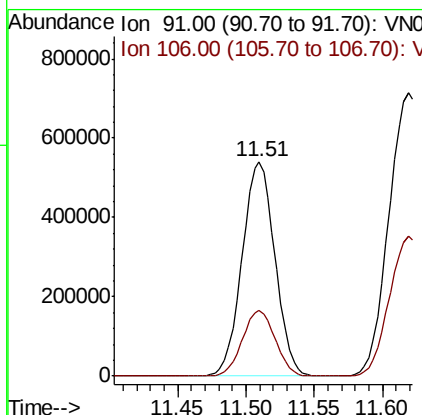
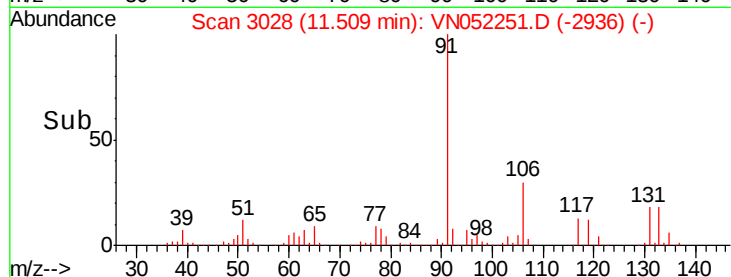
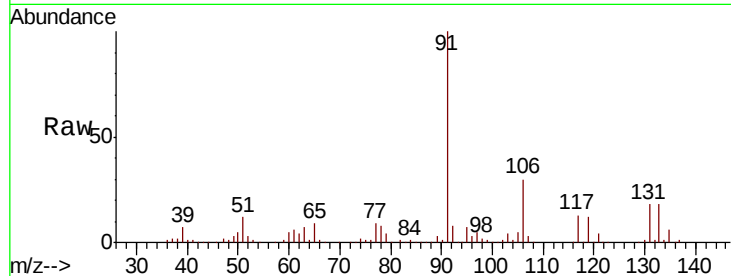




#67
Ethyl Benzene
Concen: 49.970 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

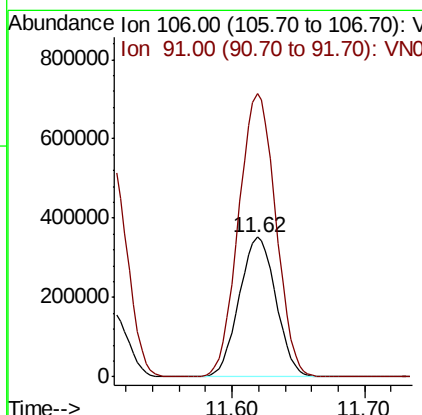
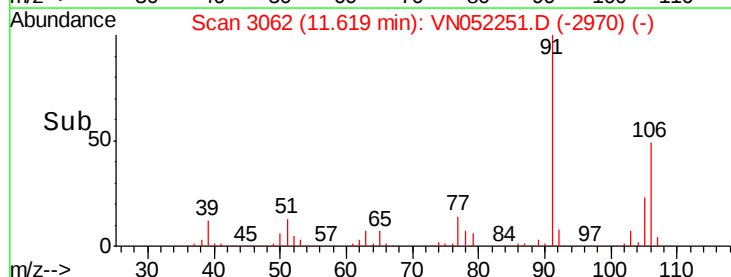
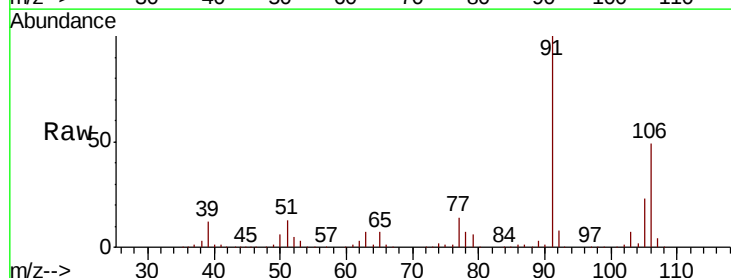
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

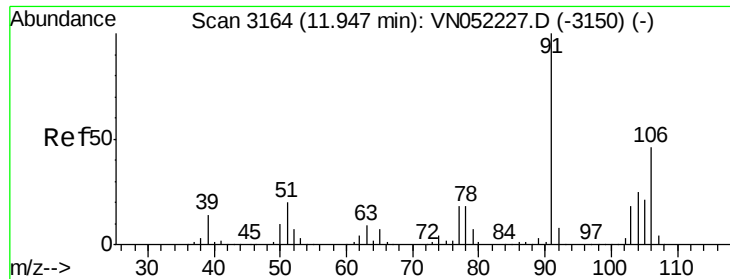
Tot Ion: 91 Resp: 903161
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1



#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

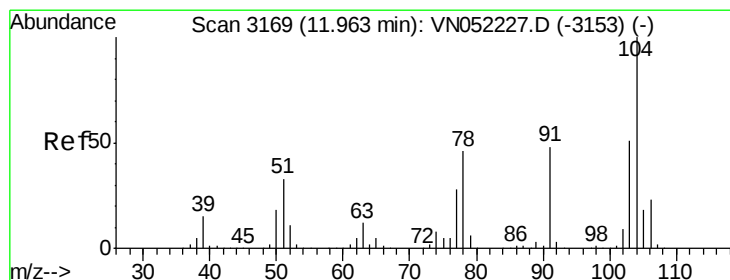
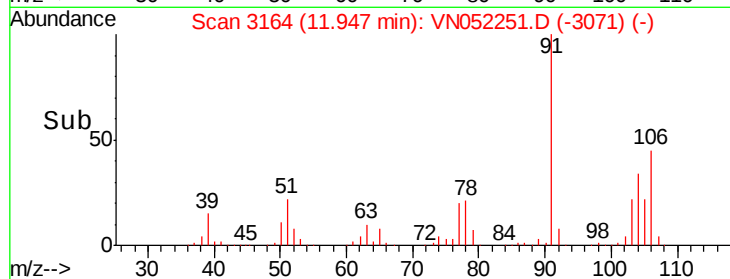
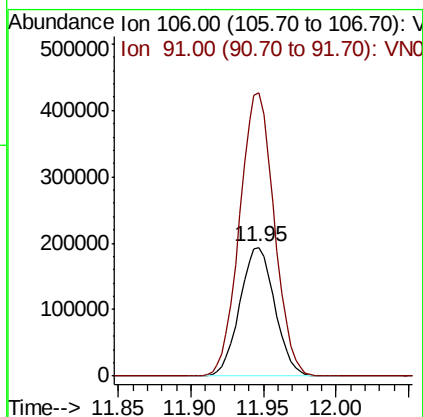
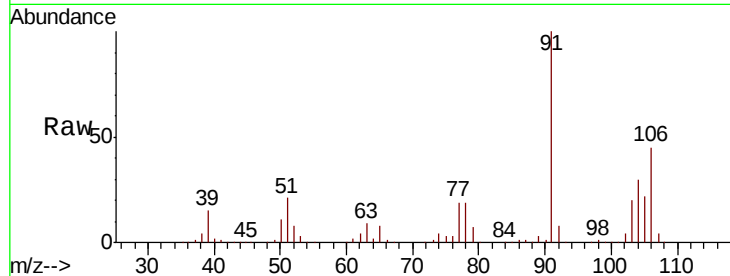




#69
o-Xylene
Concen: 50.588 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

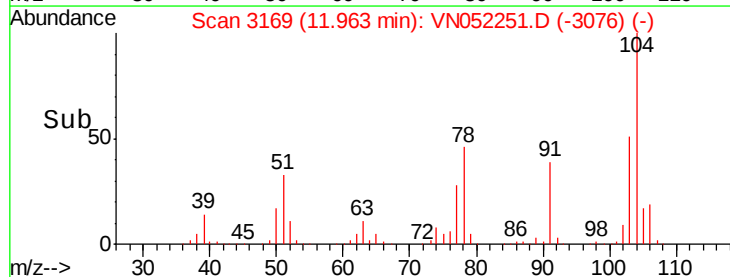
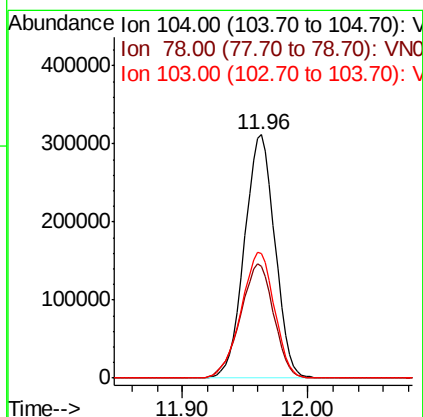
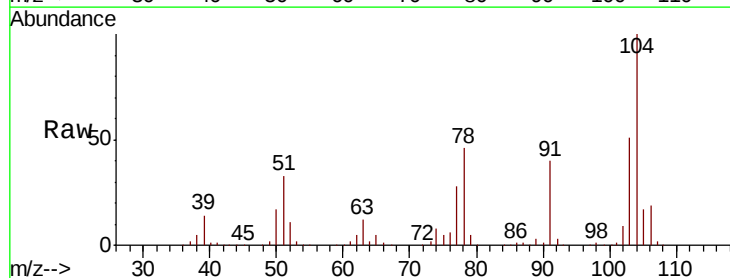
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

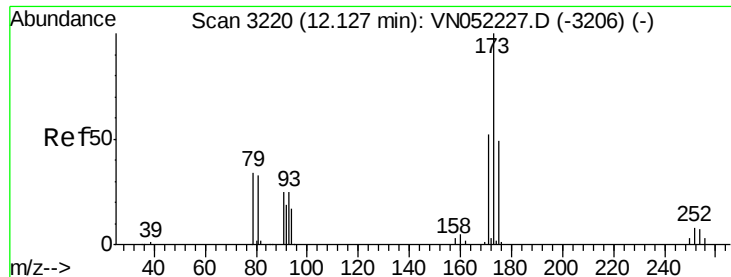
Tot Ion:106 Resp: 325318
Ion Ratio Lower Upper
106 100
91 217.9 108.5 325.5



#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:104 Resp: 527987
Ion Ratio Lower Upper
104 100
78 51.6 41.8 62.6
103 56.5 44.9 67.3

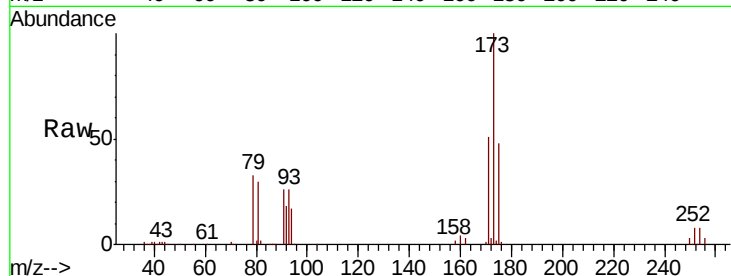




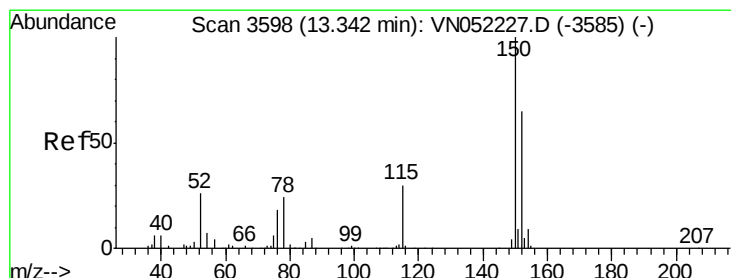
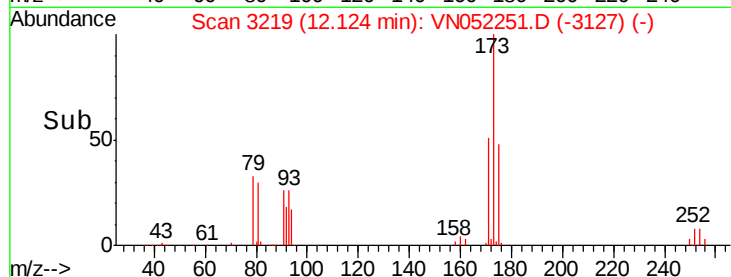
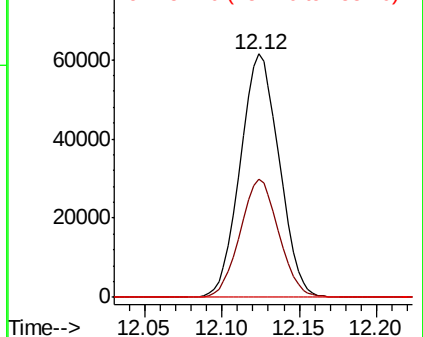
#71
Bromoform
Concen: 51.820 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

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

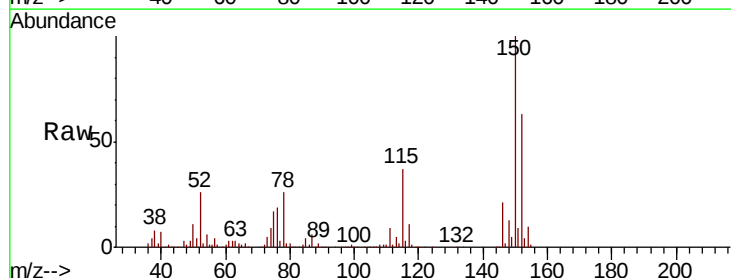


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

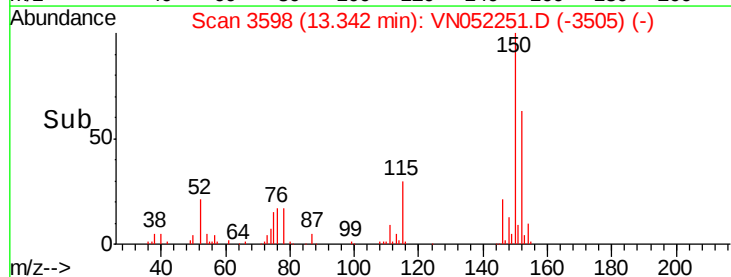
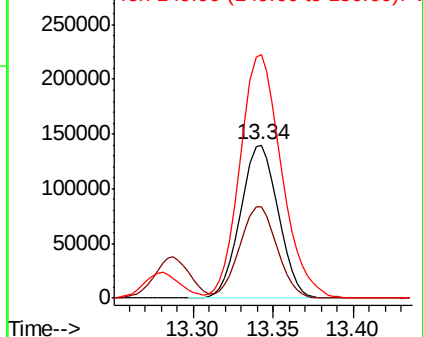


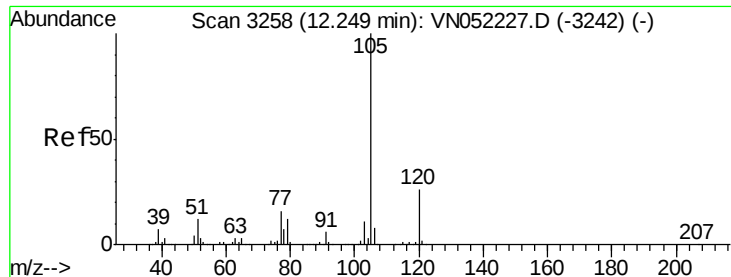
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

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 :

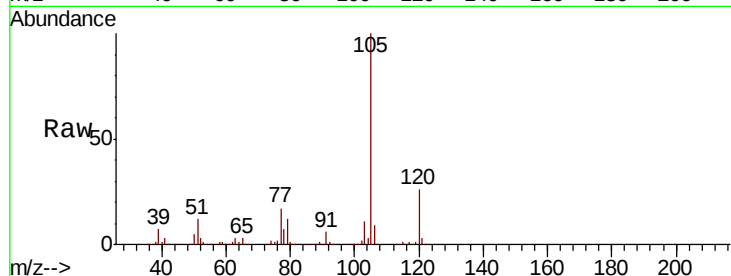
VSTDCCC050

Tot Ion:105 Resp: 884545

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

500000

400000

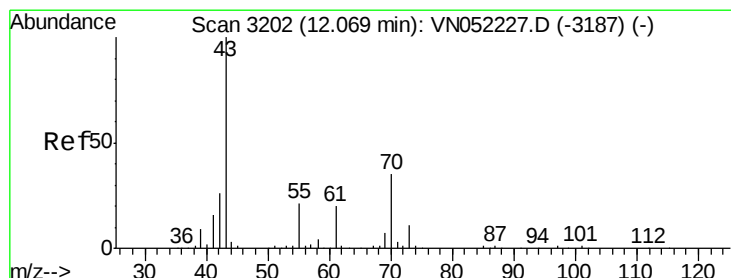
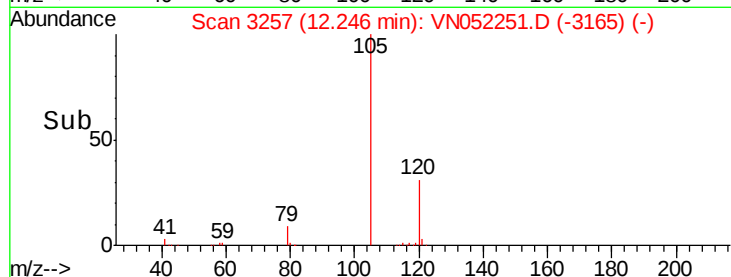
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#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: 43 Resp: 299123

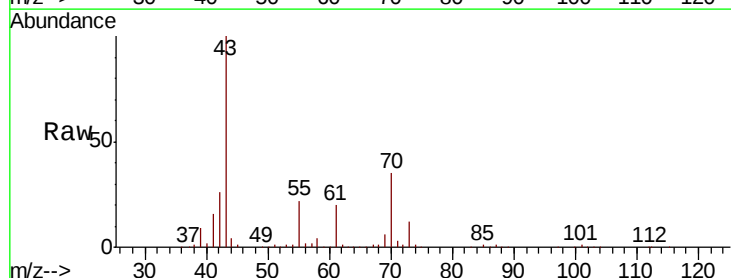
Ion Ratio Lower Upper

43 100

70 34.9 28.2 42.2

55 22.3 17.4 26.2

61 20.4 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

300000

250000

200000

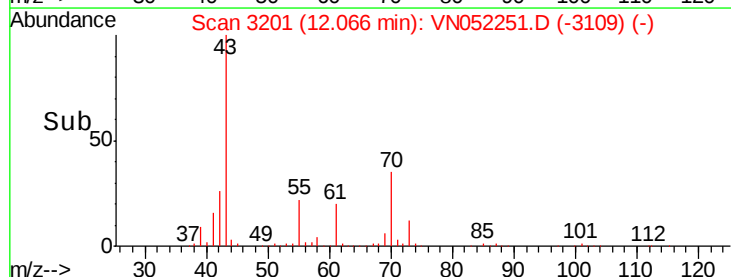
150000

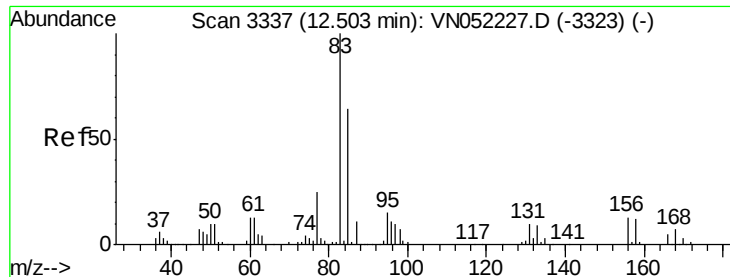
100000

50000

0

Time--> 12.00 12.10





#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

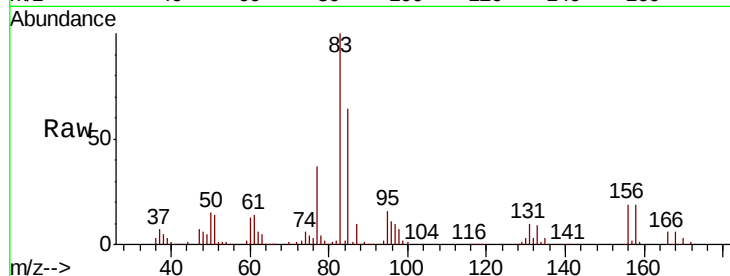
Tot Ion: 83 Resp: 187161

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

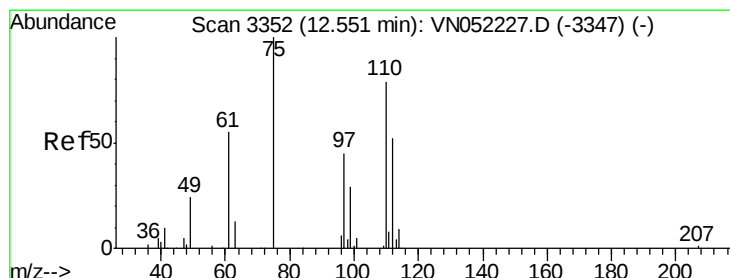
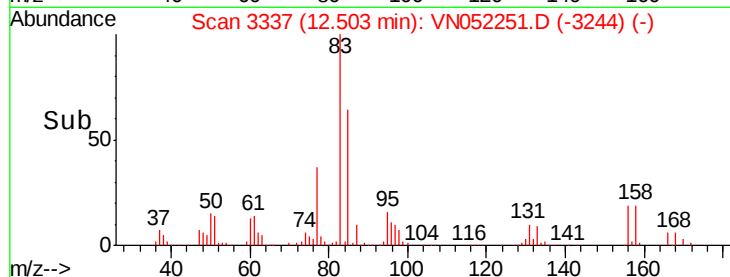
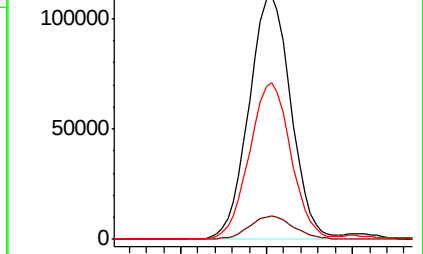
85 63.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN052227.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052227.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 63.127 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN052251.D

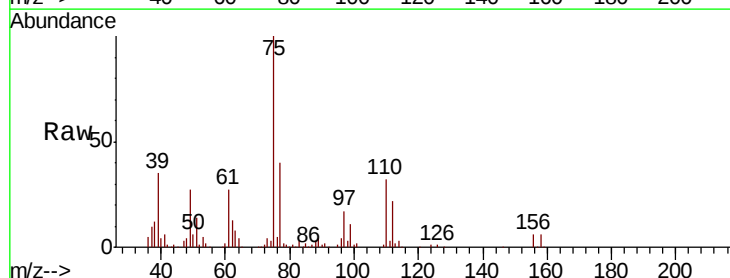
Acq: 12 Nov 2018 9:37

Tgt Ion: 75 Resp: 251140

Ion Ratio Lower Upper

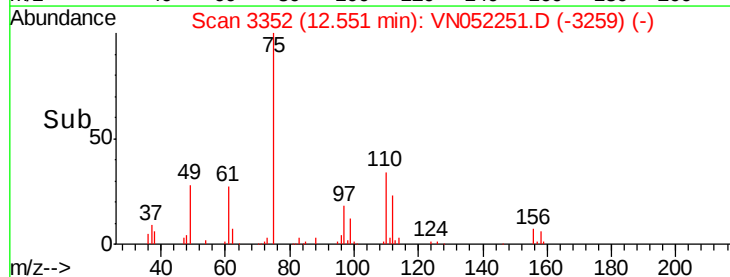
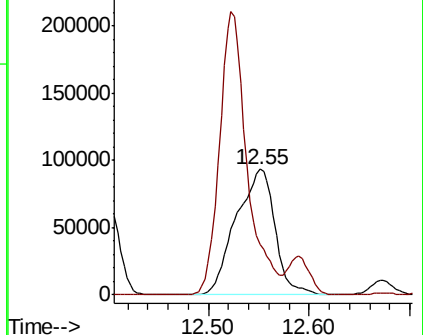
75 100

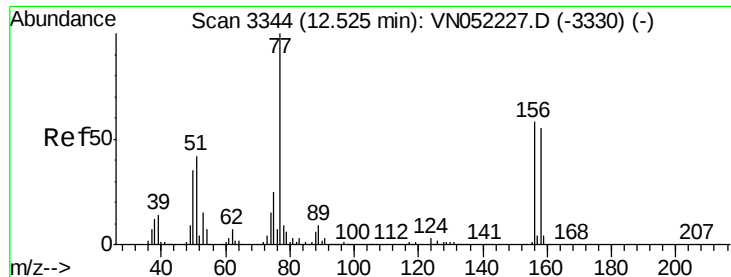
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052227.D (-3347) (-)





#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

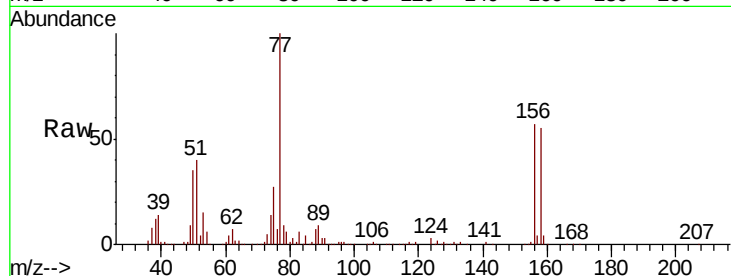
Tot Ion:156 Resp: 199996

Ion Ratio Lower Upper

156 100

77 200.4 101.1 303.3

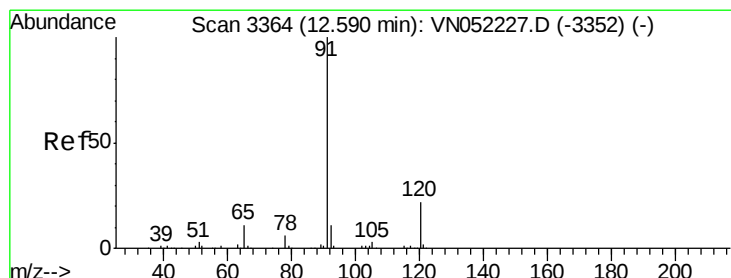
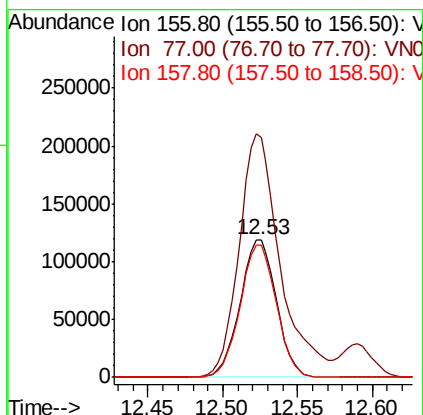
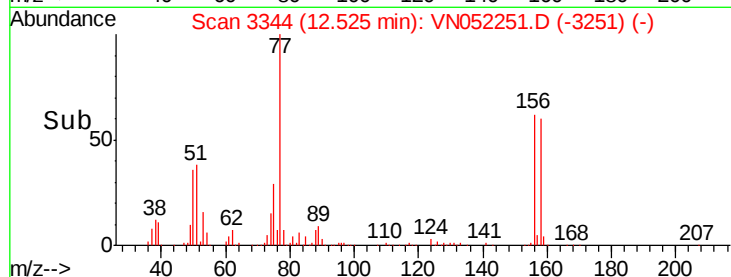
158 96.4 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.621 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052251.D

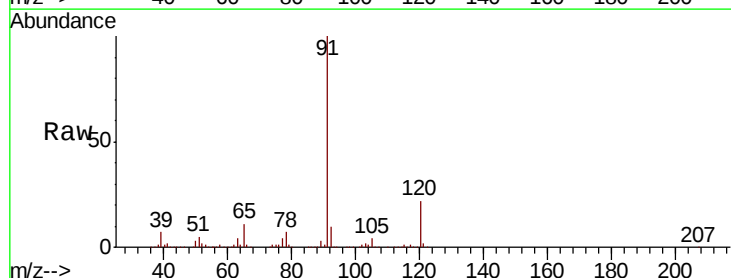
Acq: 12 Nov 2018 9:37

Tgt Ion: 91 Resp: 1068262

Ion Ratio Lower Upper

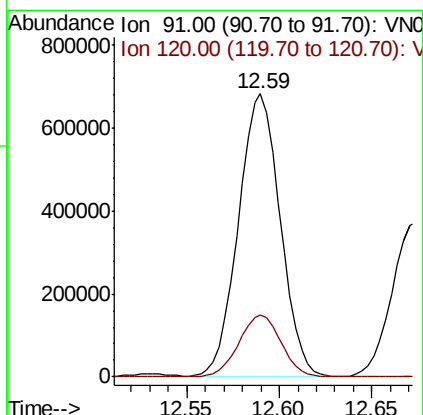
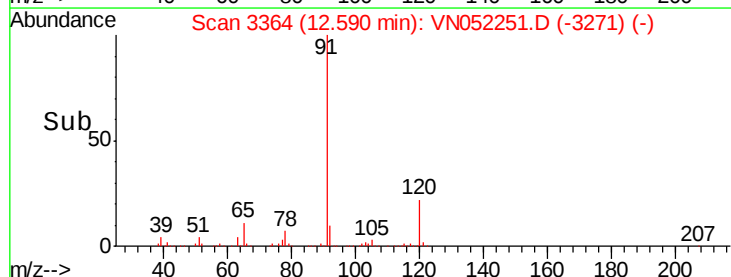
91 100

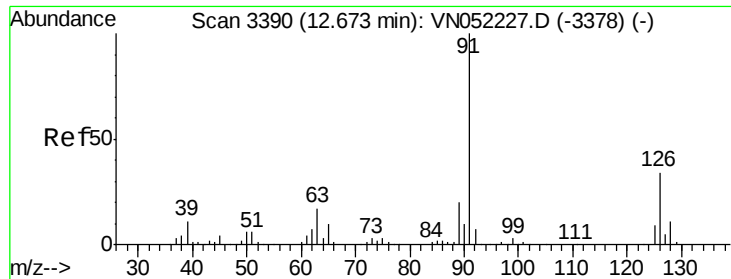
120 22.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 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 :

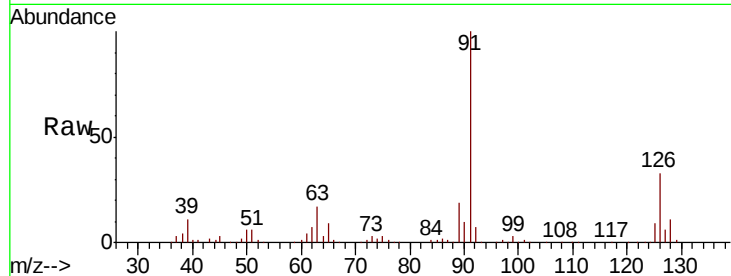
VSTDCCC050

Tot Ion: 91 Resp: 601633

Ion Ratio Lower Upper

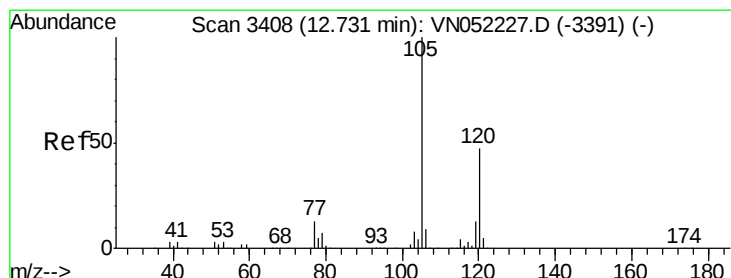
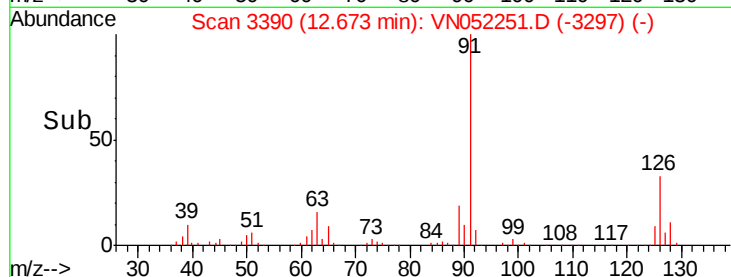
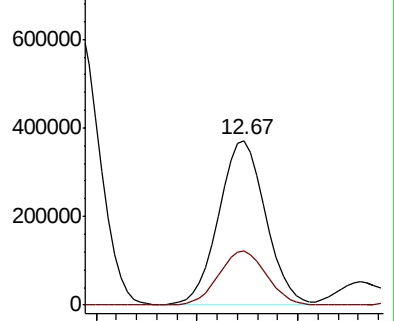
91 100

126 33.8 17.0 51.0



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

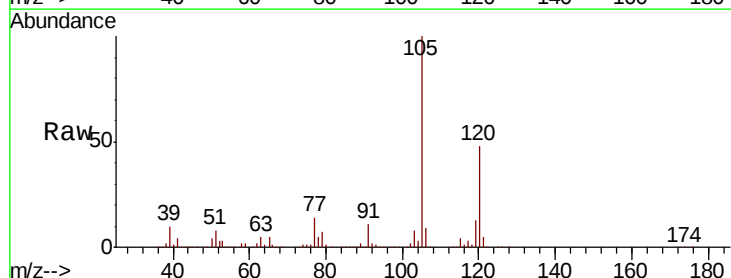
Acq: 12 Nov 2018 9:37

Tgt Ion: 105 Resp: 721375

Ion Ratio Lower Upper

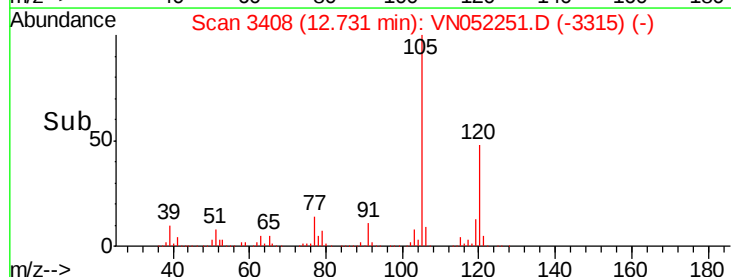
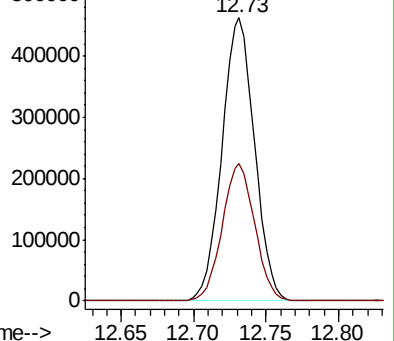
105 100

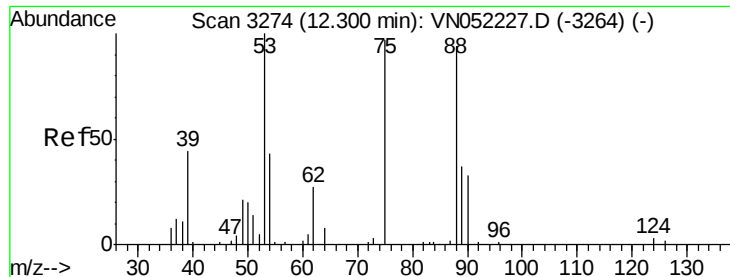
120 48.5 23.9 71.8



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

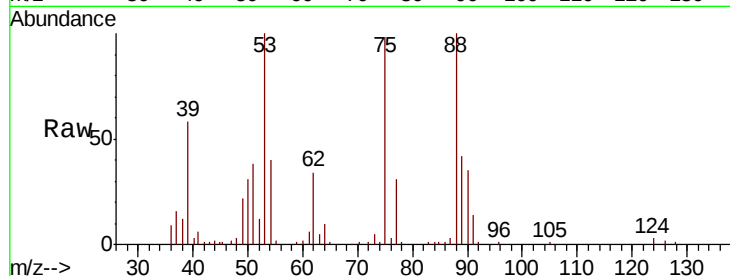
Tot Ion: 75 Resp: 57302

Ion Ratio Lower Upper

75 100

53 105.6 84.0 126.0

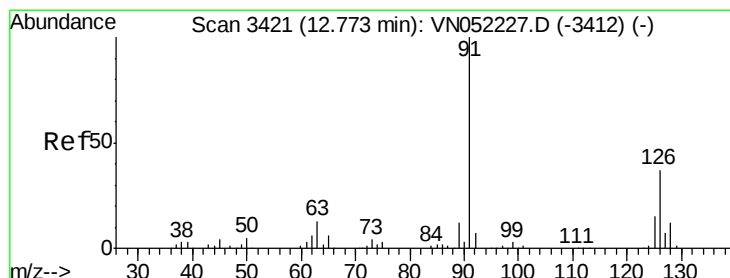
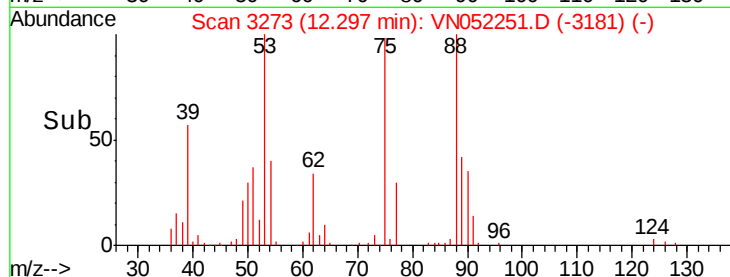
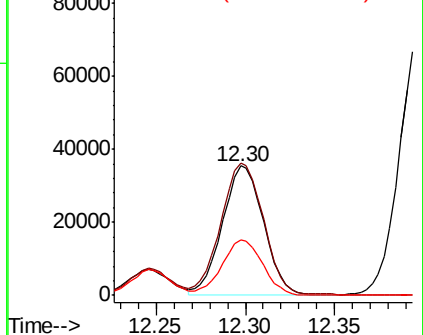
89 42.4 33.7 50.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.633 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052251.D

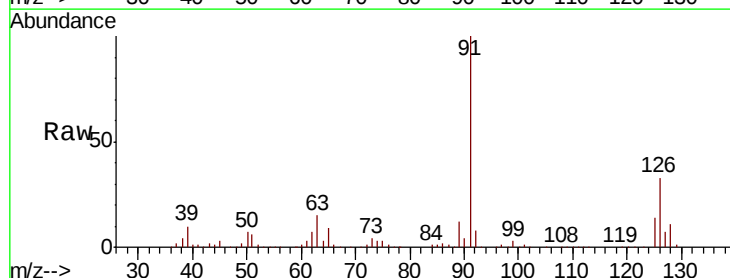
Acq: 12 Nov 2018 9:37

Tgt Ion: 91 Resp: 608599

Ion Ratio Lower Upper

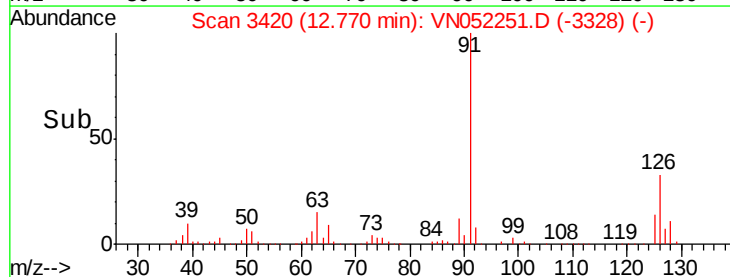
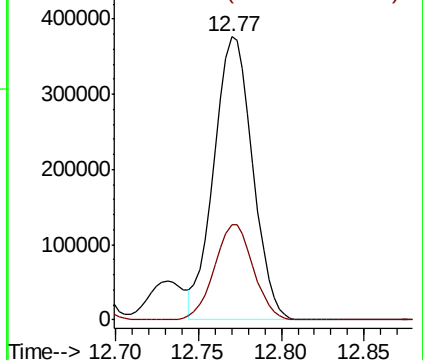
91 100

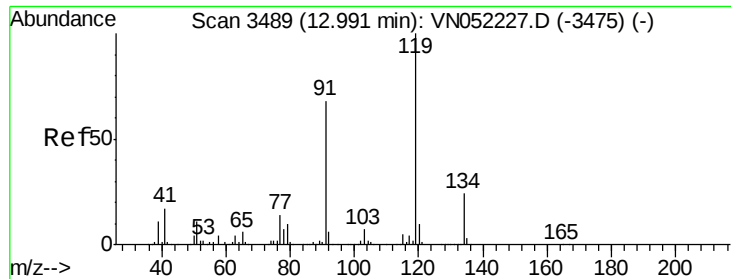
126 33.8 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

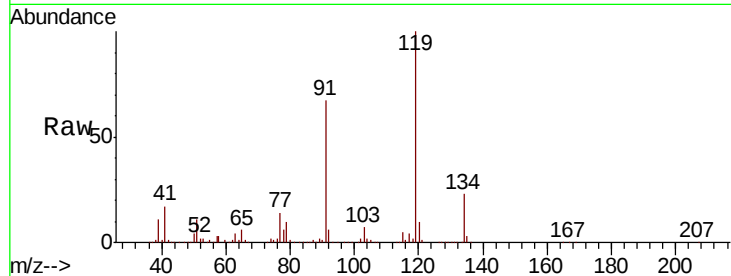




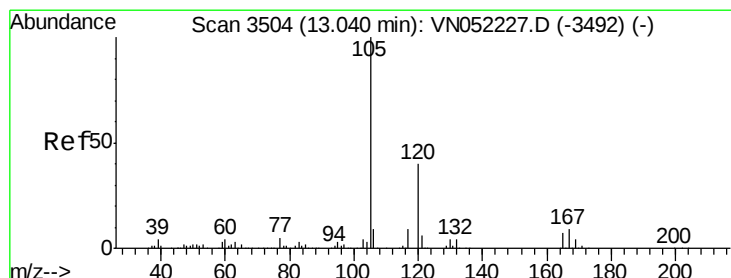
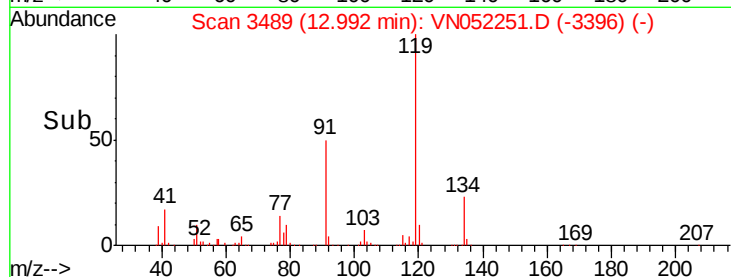
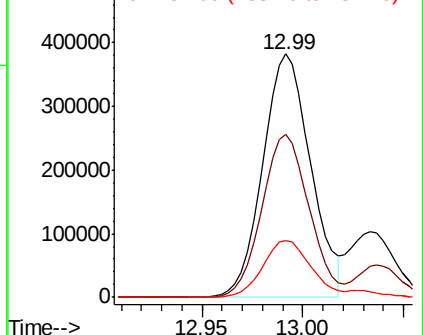
#83
tert-Butylbenzene
Concen: 49.526 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 632064
Ion Ratio Lower Upper
119 100
91 66.1 33.5 100.4
134 23.4 13.0 38.9

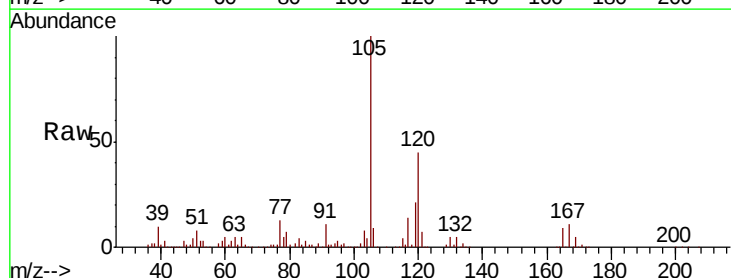


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

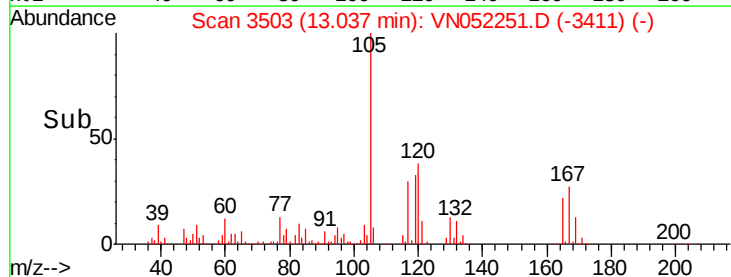
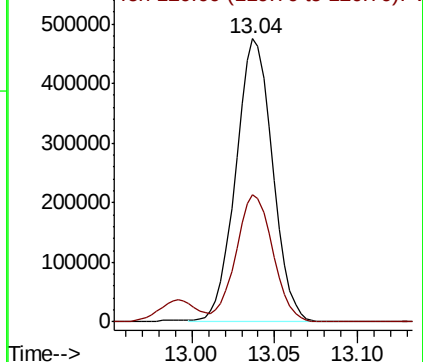


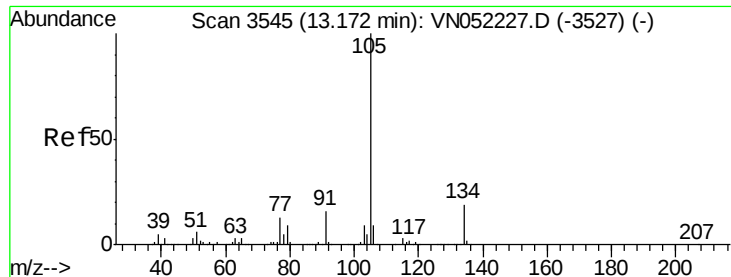
#84
1,2,4-Trimethylbenzene
Concen: 49.618 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion:105 Resp: 731322
Ion Ratio Lower Upper
105 100
120 45.0 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#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 :

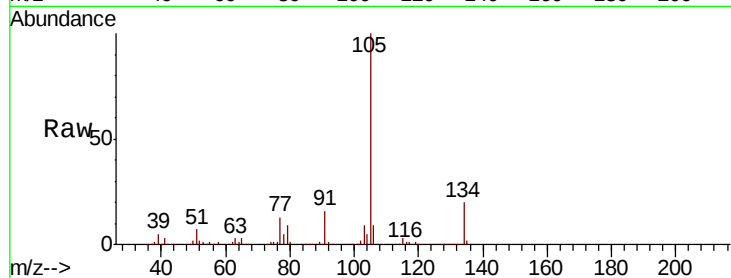
VSTDCCC050

Tot Ion:105 Resp: 882423

Ion Ratio Lower Upper

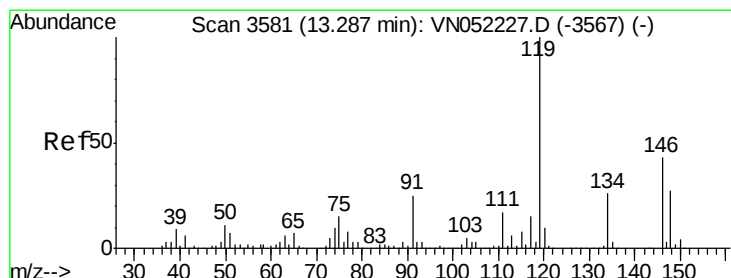
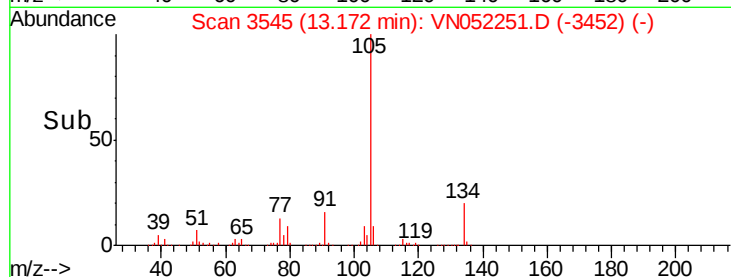
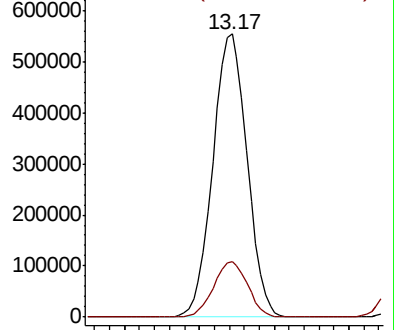
105 100

134 19.6 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

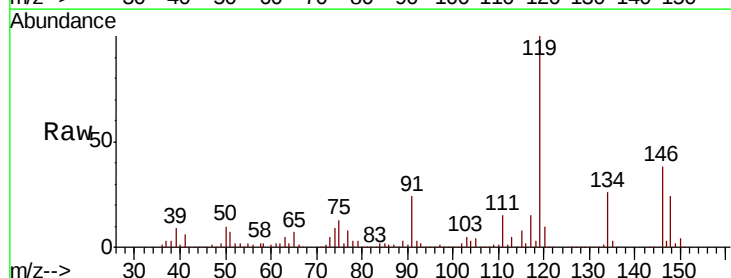
Tgt Ion:119 Resp: 757783

Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.6

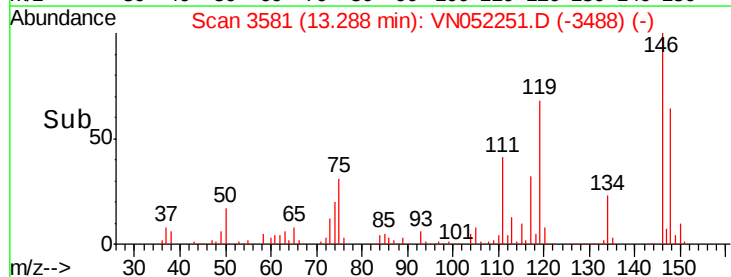
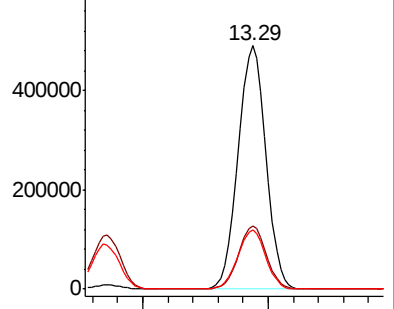
91 24.3 12.4 37.0

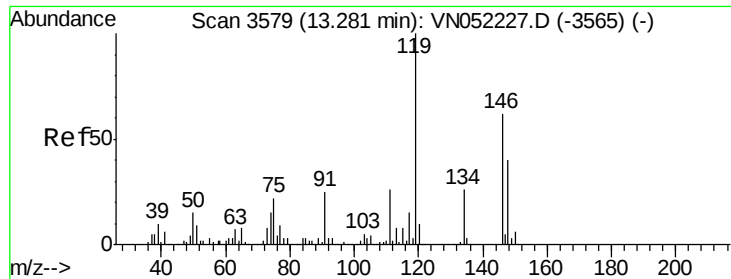


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

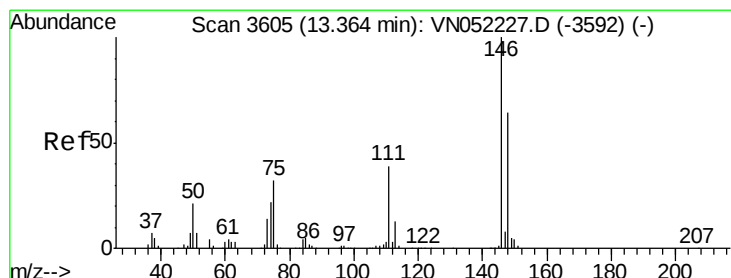
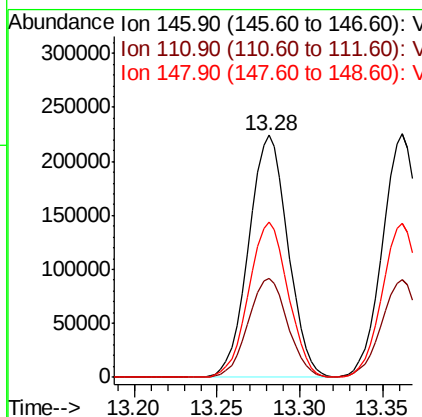
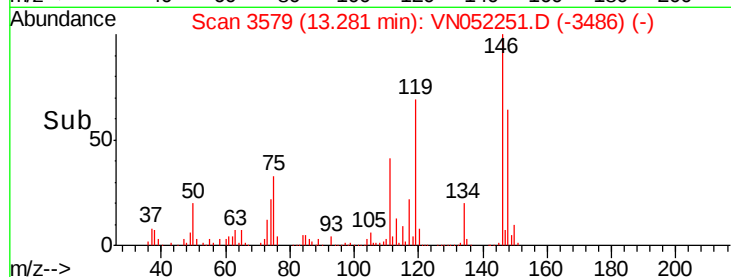
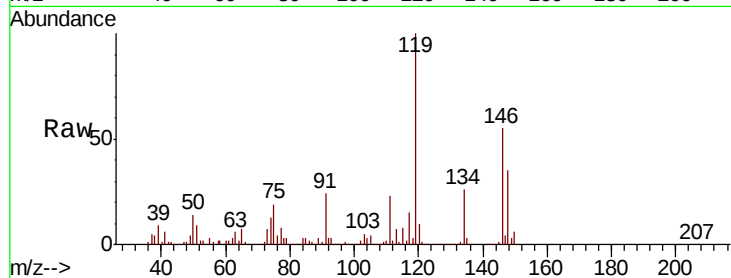




#87
 1,3-Dichlorobenzene
 Concen: 49.150 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

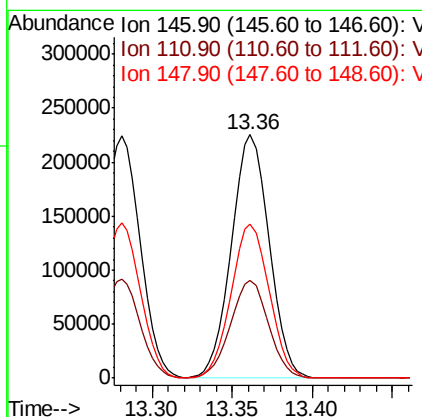
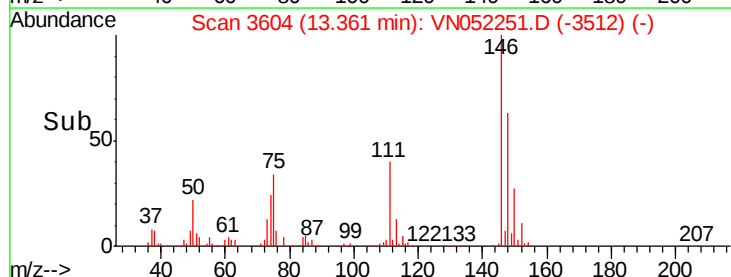
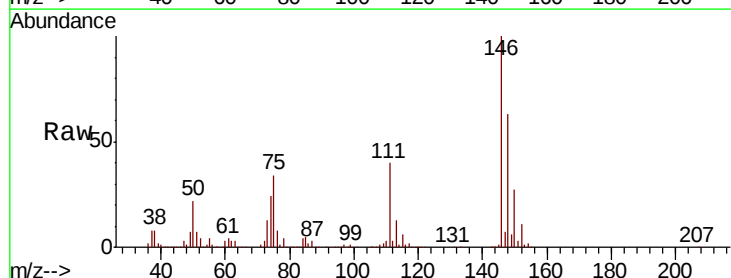
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

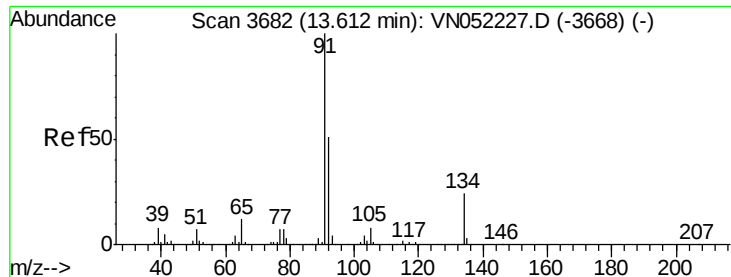
Tot Ion:146 Resp: 368140
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.1 60.3
 148 64.3 31.6 94.7



#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:146 Resp: 362966
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.2 60.6
 148 63.7 32.1 96.3

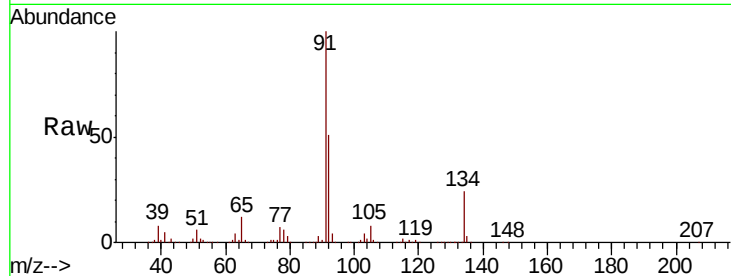




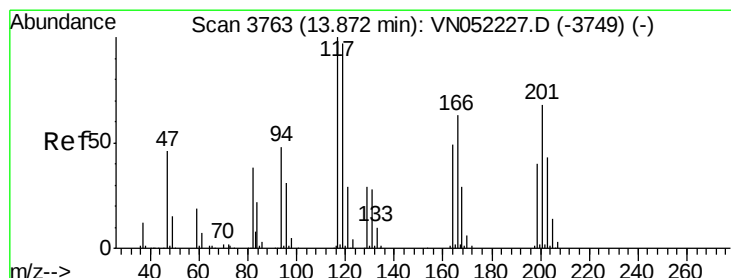
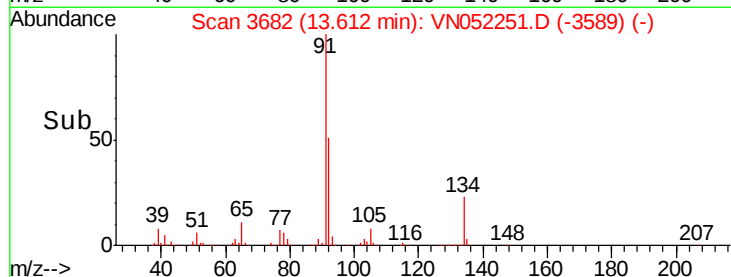
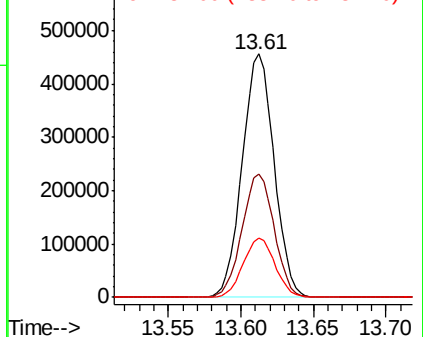
#89
n-Butylbenzene
Concen: 53.545 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 698105
Ion Ratio Lower Upper
91 100
92 51.0 25.1 75.3
134 24.3 12.0 36.1

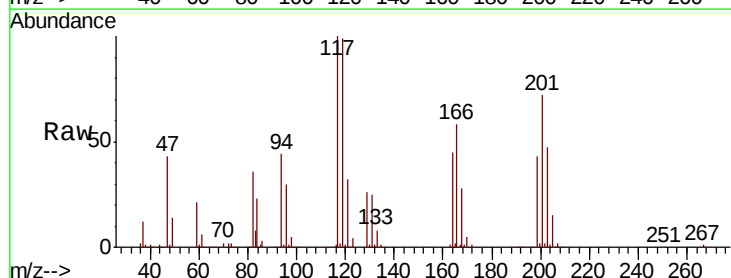


Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN052227.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN052227.D (-3668) (-)

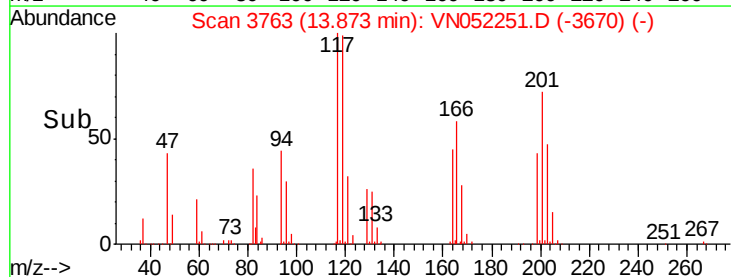
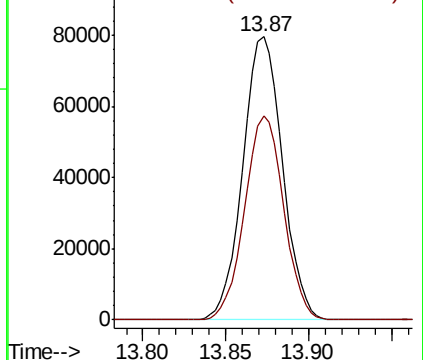


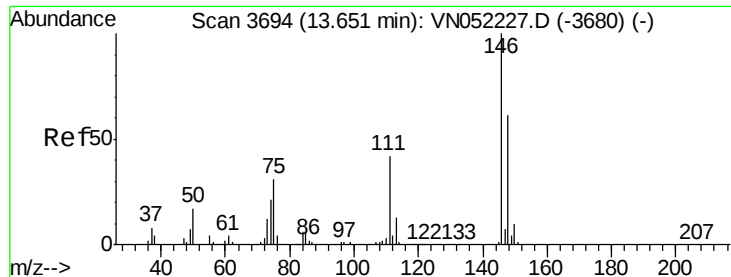
#90
Hexachloroethane
Concen: 51.492 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Tgt Ion: 117 Resp: 132330
Ion Ratio Lower Upper
117 100
201 70.8 34.6 103.9



Abundance Ion 116.80 (116.50 to 117.50): VN052227.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN052227.D (-3749) (-)





#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

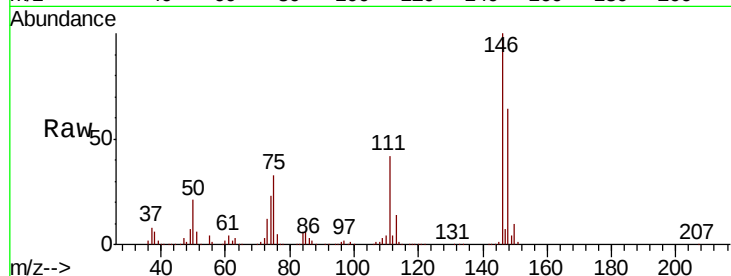
Tot Ion:146 Resp: 345161

Ion Ratio Lower Upper

146 100

111 42.0 21.1 63.3

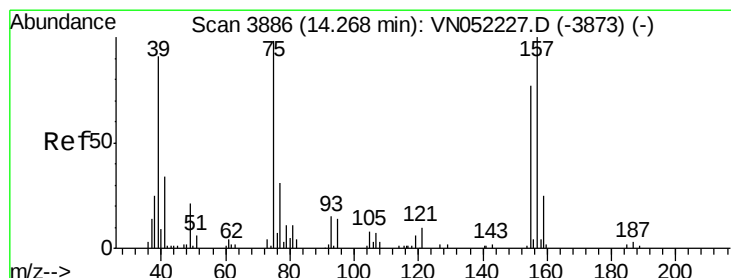
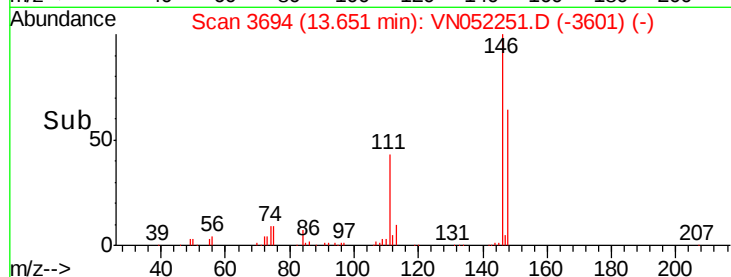
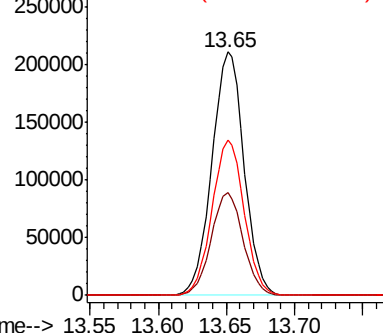
148 63.6 31.3 93.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#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

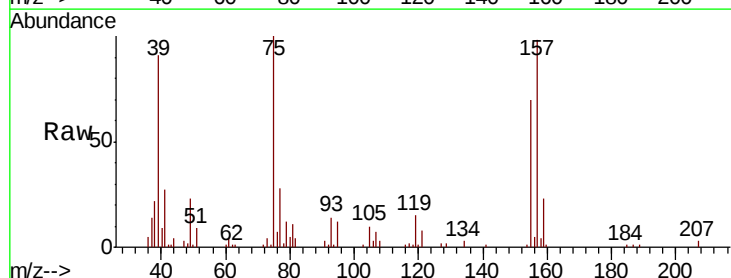
Tgt Ion: 75 Resp: 28521

Ion Ratio Lower Upper

75 100

155 74.6 40.2 120.5

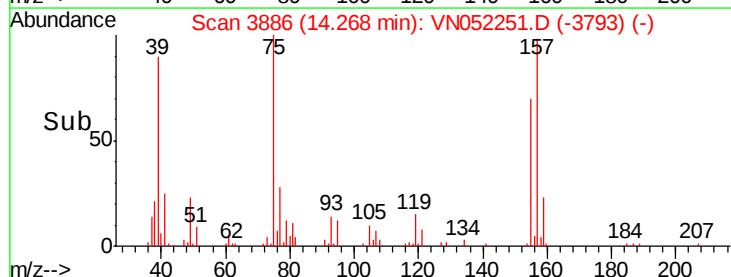
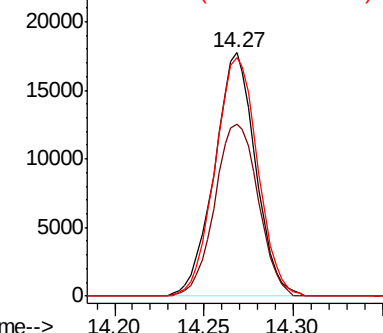
157 101.8 51.7 155.2

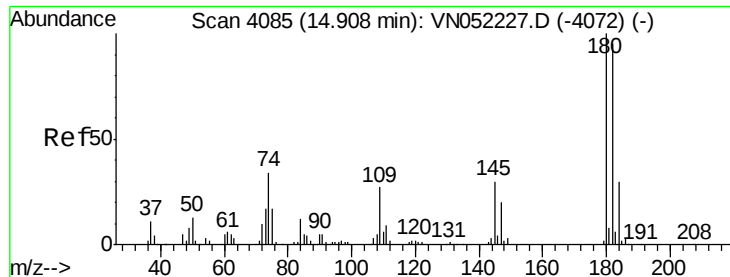


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

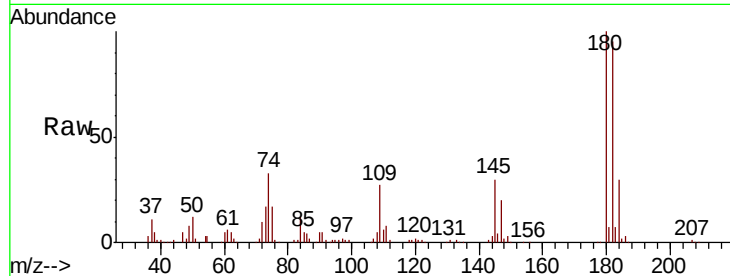




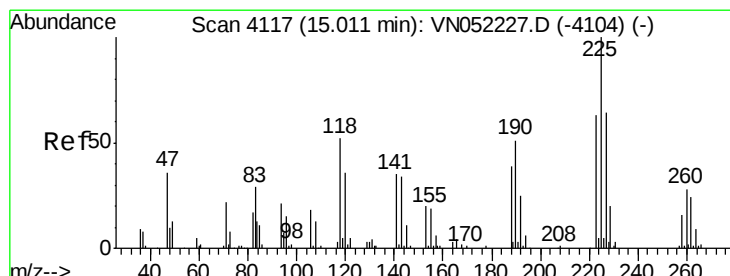
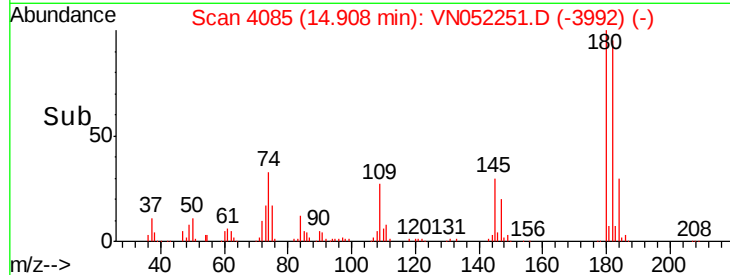
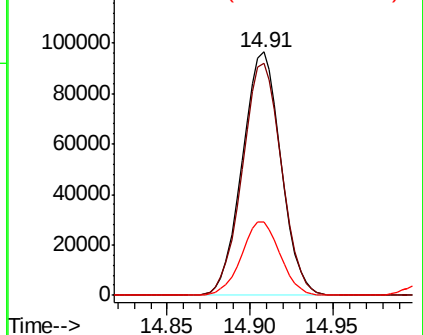
#93
 1,2,4-Trichlorobenzene
 Concen: 54.370 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

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

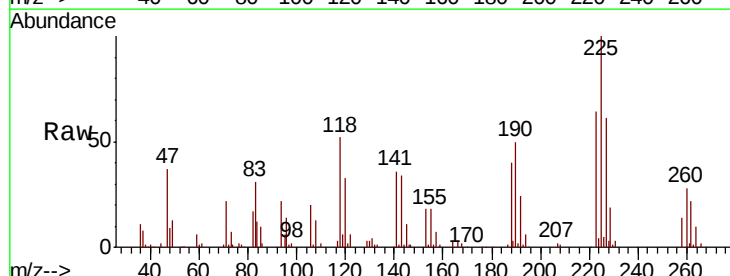


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

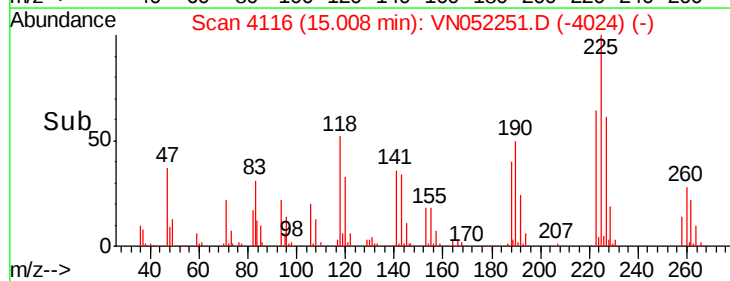
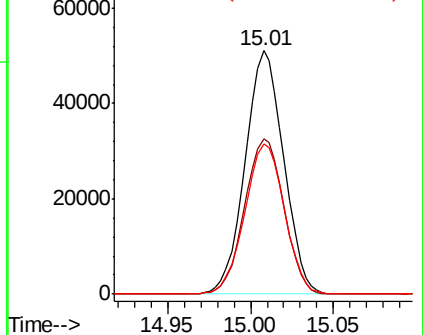


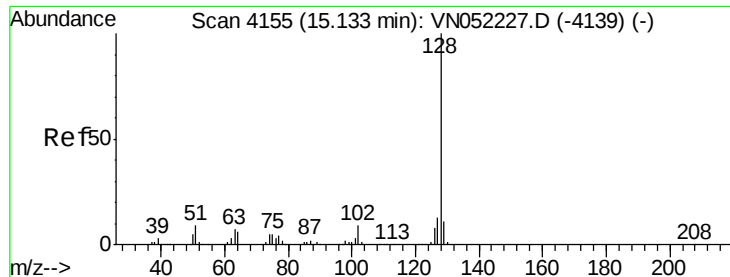
#94
 Hexachlorobutadiene
 Concen: 52.477 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052251.D
 Acq: 12 Nov 2018 9:37

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



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

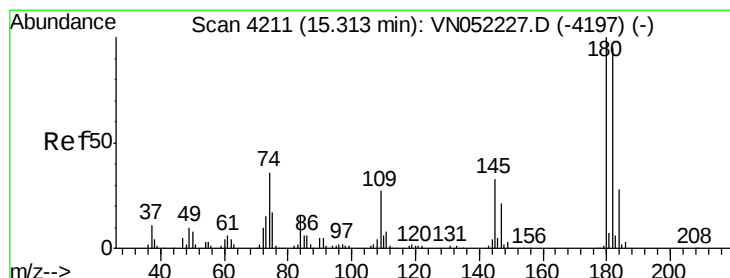
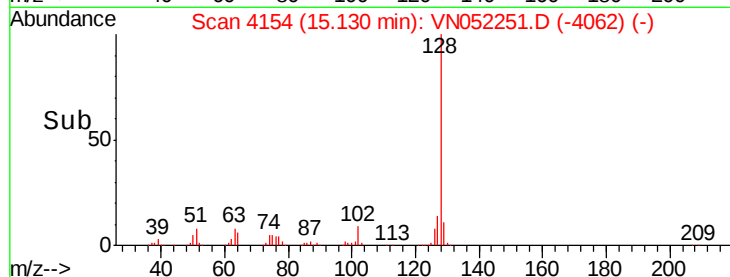
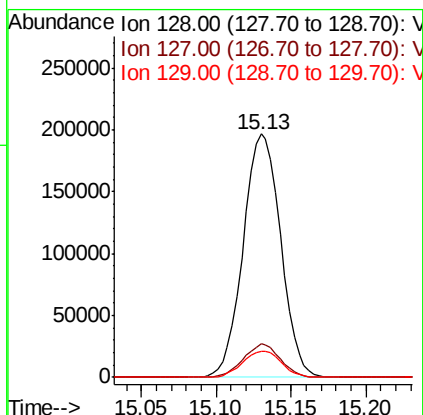
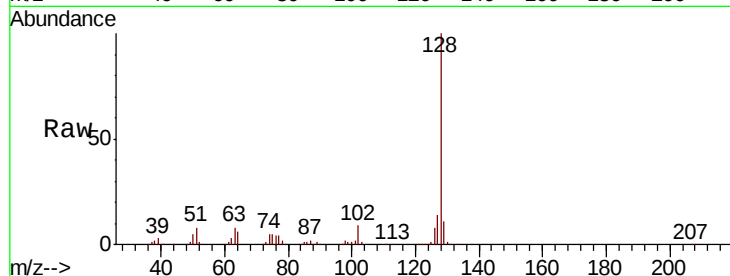




#95
Naphthalene
Concen: 48.186 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052251.D
Acq: 12 Nov 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 343276
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 11.2 8.7 13.1



#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:180 Resp: 138433
Ion Ratio Lower Upper
180 100
182 93.9 47.7 143.1
145 31.3 16.8 50.3

