

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052351.D
 Acq On : 16 Nov 2018 8:16
 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 16 22:43:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	273930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	449833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	411266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	186712	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	7.59	113	147213	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	574381	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	194754	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	148409	51.127	ug/l	98
3) Chloromethane	2.06	50	196368	48.679	ug/l	100
4) Vinyl Chloride	2.19	62	172417	49.446	ug/l	99
5) Bromomethane	2.57	94	100574	46.266	ug/l	99
6) Chloroethane	2.71	64	96043	48.715	ug/l	99
7) Trichlorofluoromethane	3.02	101	242244	50.204	ug/l	99
8) Diethyl Ether	3.41	74	81999	44.588	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149955	49.211	ug/l	99
10) Methyl Iodide	3.96	142	192654	47.087	ug/l	98
11) Tert butyl alcohol	4.77	59	36383	178.068	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	132130	46.857	ug/l	96
13) Acrolein	3.61	56	57210	191.244	ug/l	99
14) Allyl chloride	4.33	41	287345	49.627	ug/l	98
15) Acrylonitrile	4.98	53	251989	215.985	ug/l	99
16) Acetone	3.81	43	261760	245.728	ug/l	94
17) Carbon Disulfide	4.06	76	404479	50.022	ug/l	99
18) Methyl Acetate	4.32	43	128669	43.164	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	379958	46.888	ug/l	99
20) Methylene Chloride	4.55	84	155674	48.008	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	143285	47.195	ug/l	97
22) Diisopropyl ether	5.95	45	581101	49.187	ug/l	99
23) Vinyl Acetate	5.89	43	1965569	245.262	ug/l	100
24) 1,1-Dichloroethane	5.85	63	307622	48.560	ug/l	100
25) 2-Butanone	6.83	43	338102	225.491	ug/l	98
26) 2,2-Dichloropropane	6.82	77	242900	52.145	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	166861	47.212	ug/l	96
28) Bromochloromethane	7.19	49	155644	47.784	ug/l	99
29) Tetrahydrofuran	7.21	42	205249	208.375	ug/l	99
30) Chloroform	7.37	83	309145	51.207	ug/l	96
31) Cyclohexane	7.65	56	293096	49.829	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	254803	49.545	ug/l	99
36) 1,1-Dichloropropene	7.79	75	232221	51.506	ug/l	99
37) Ethyl Acetate	6.92	43	146958	44.912	ug/l #	98
38) Carbon Tetrachloride	7.77	117	225422	54.420	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	276503	53.721	ug/l	98
40) Benzene	8.04	78	649736	50.444	ug/l	98
41) Methacrylonitrile	7.17	41	87466	48.267	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	232864	50.699	ug/l	100
43) Isopropyl Acetate	8.16	43	271955	43.071	ug/l	98
44) Trichloroethene	8.83	130	160760	50.669	ug/l	97
45) 1,2-Dichloropropane	9.12	63	181186	49.567	ug/l	98
46) Dibromomethane	9.21	93	102395	48.389	ug/l	98
47) Bromodichloromethane	9.40	83	232559	53.555	ug/l	99
48) Methyl methacrylate	9.20	41	141508	44.167	ug/l	99
49) 1,4-Dioxane	9.19	88	21125	858.922	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	729949	229.663	ug/l	99
52) Toluene	10.15	92	398920	51.773	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	233163	53.239	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	266130	53.305	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	134743	48.239	ug/l	97
56) Ethyl methacrylate	10.43	69	178932	48.709	ug/l	97
57) 1,3-Dichloropropane	10.71	76	243893	49.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	515595	246.532	ug/l	98
59) 2-Hexanone	10.75	43	526766	240.954	ug/l	99
60) Dibromochloromethane	10.90	129	157564	52.137	ug/l	100
61) 1,2-Dibromoethane	11.00	107	135437	48.677	ug/l	100
64) Tetrachloroethene	10.63	164	149185	51.024	ug/l	97
65) Chlorobenzene	11.43	112	432799	49.786	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154591	52.149	ug/l	98
67) Ethyl Benzene	11.51	91	793304	52.579	ug/l	98
68) m/p-Xylenes	11.62	106	584234	105.978	ug/l	99
69) o-Xylene	11.94	106	280376	53.057	ug/l	99
70) Styrene	11.96	104	460565	54.431	ug/l	100
71) Bromoform	12.12	173	90925	51.949	ug/l #	98
73) Isopropylbenzene	12.25	105	779308	50.585	ug/l	98
74) N-amyl acetate	12.07	43	255267	46.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	158639	42.597	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	219203	67.419	ug/l #	100
77) Bromobenzene	12.52	156	173559	48.418	ug/l	99
78) n-propylbenzene	12.59	91	934266	51.853	ug/l	100
79) 2-Chlorotoluene	12.67	91	526062	49.979	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	636948	51.990	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47317	47.201	ug/l	94
82) 4-Chlorotoluene	12.77	91	539559	50.035	ug/l	98
83) tert-Butylbenzene	12.99	119	547670	50.634	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	645243	52.463	ug/l	99
85) sec-Butylbenzene	13.17	105	769641	52.236	ug/l	99
86) p-Isopropyltoluene	13.29	119	657986	52.720	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	319745	50.225	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	317194	50.115	ug/l	99
89) n-Butylbenzene	13.61	91	597759	55.764	ug/l	99
90) Hexachloroethane	13.87	117	118883	53.779	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	299165	48.504	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24712	44.999	ug/l	94

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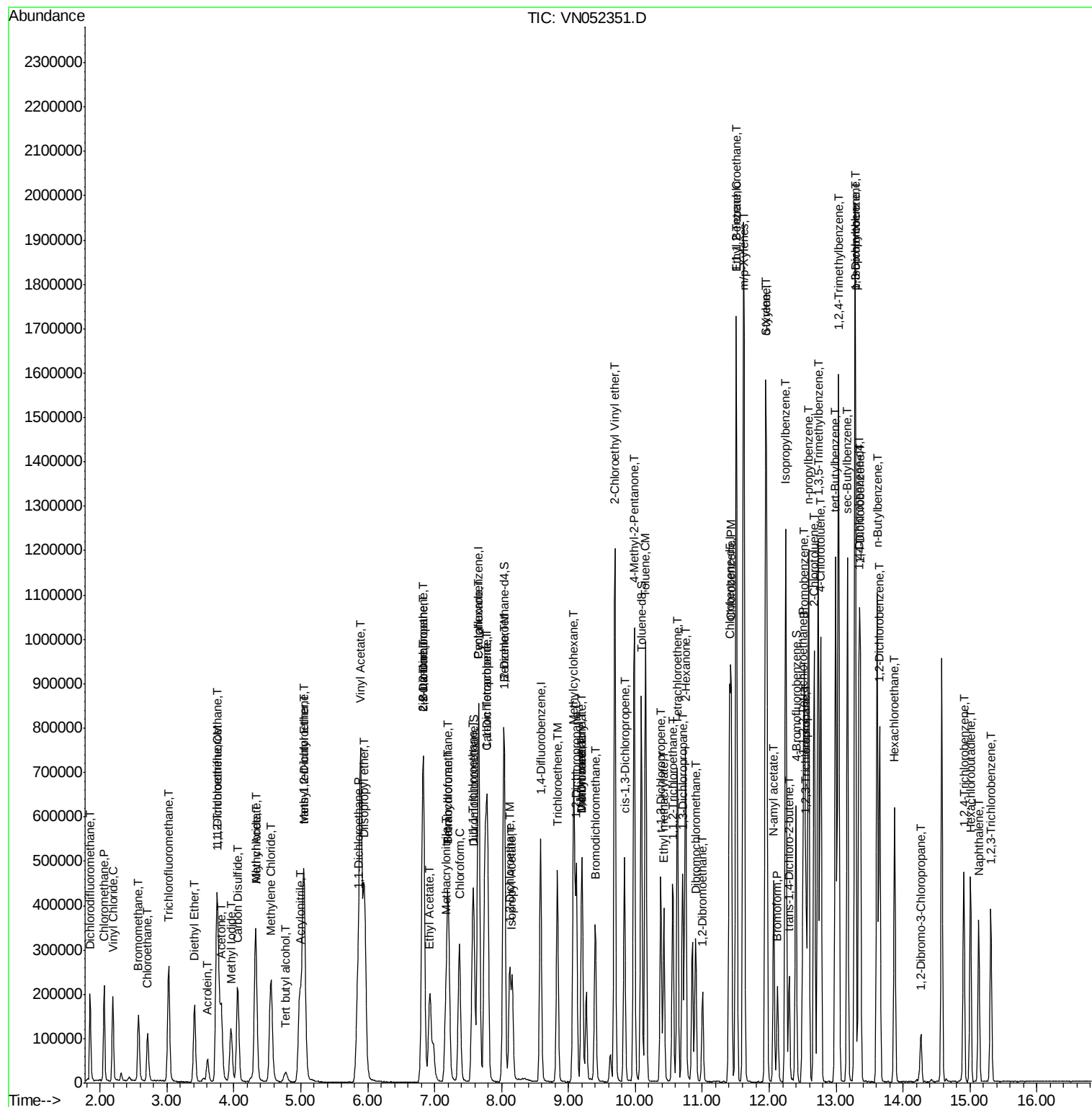
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	135941	47.487	ug/l	99
94) Hexachlorobutadiene	15.01	225	73467	52.041	ug/l	99
95) Naphthalene	15.13	128	283854	42.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	120191	51.283	ug/l	98

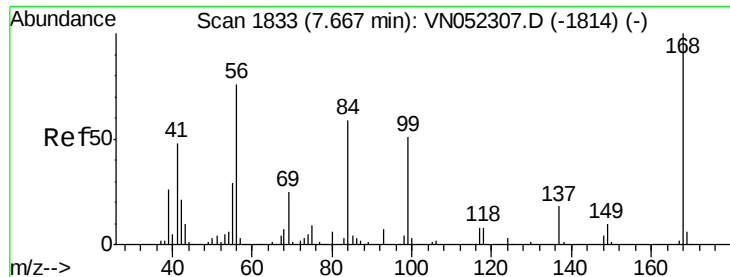
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111618\
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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

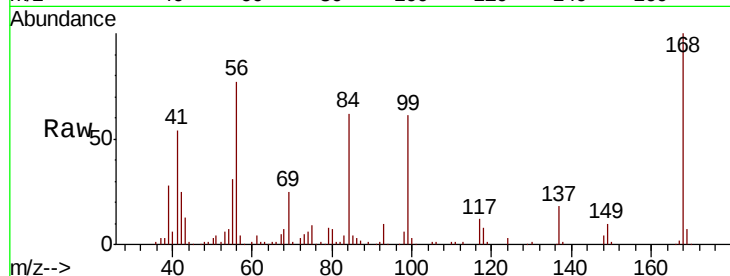
VSTDCCC050

Tot Ion:168 Resp: 273930

Ion Ratio Lower Upper

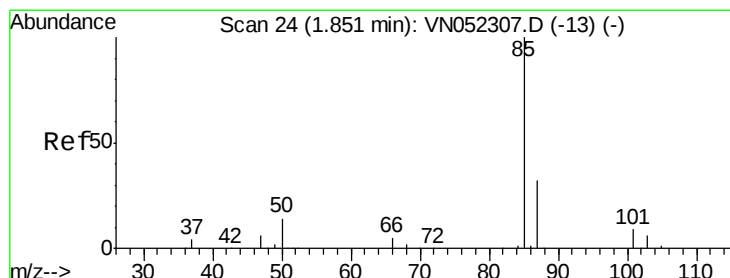
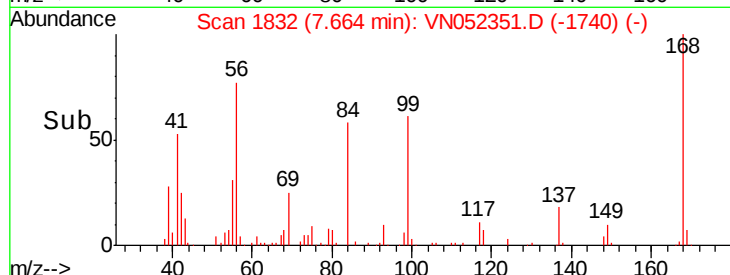
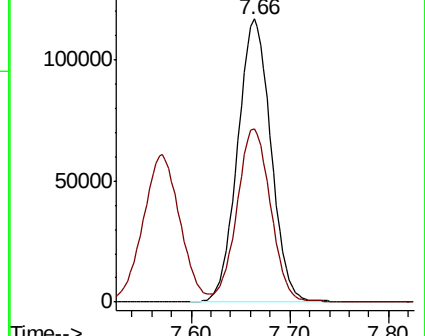
168 100

99 61.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.127 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052351.D

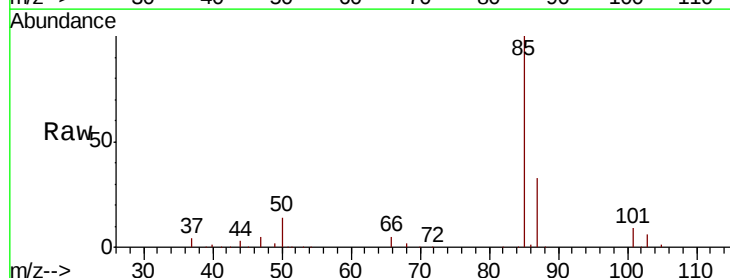
Acq: 16 Nov 2018 8:16

Tgt Ion: 85 Resp: 148409

Ion Ratio Lower Upper

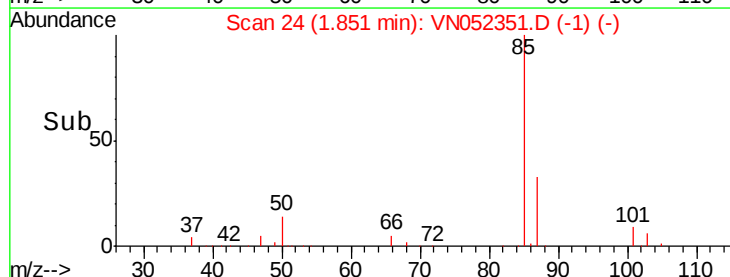
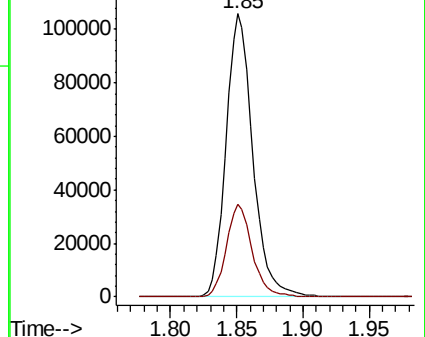
85 100

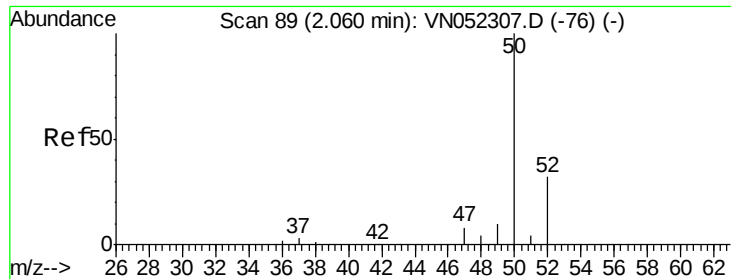
87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

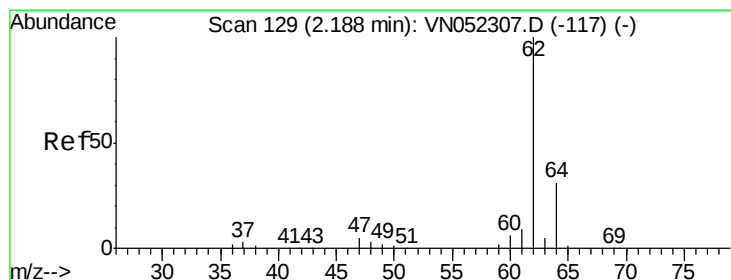
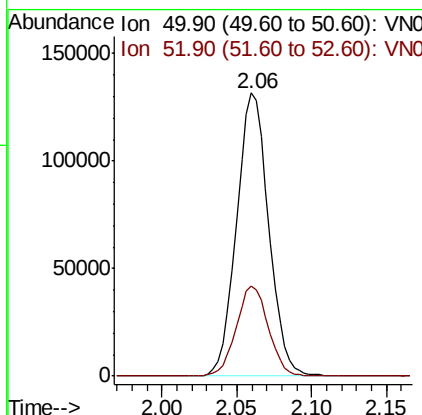
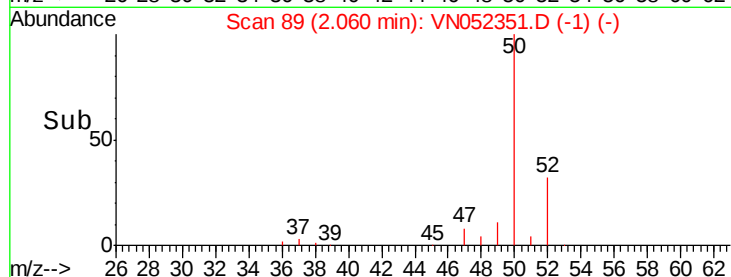
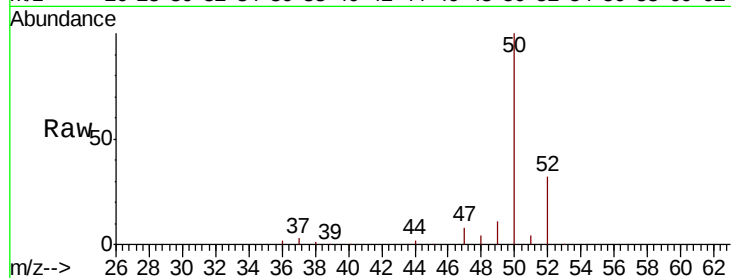




#3
 Chloromethane
 Concen: 48.679 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

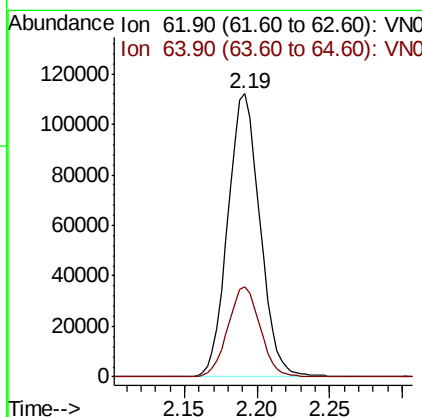
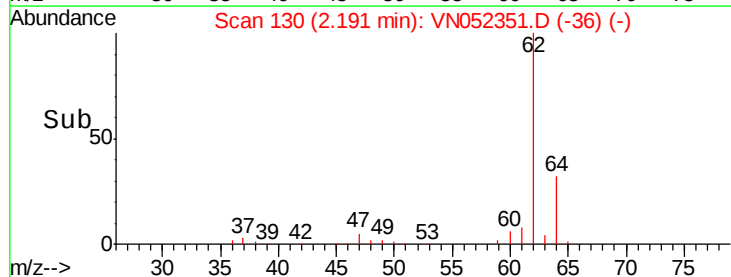
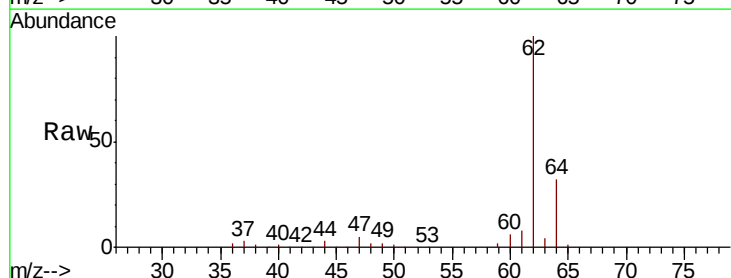
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

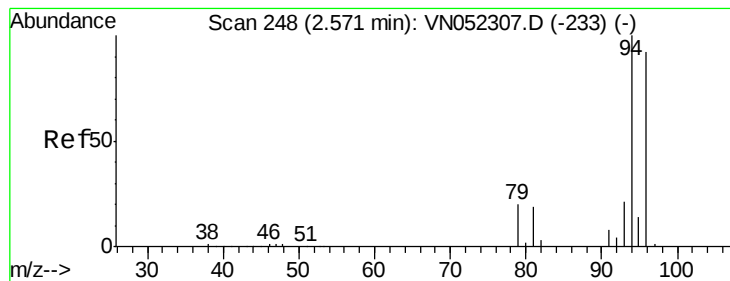
Tot Ion: 50 Resp: 196368
 Ion Ratio Lower Upper
 50 100
 52 32.0 25.5 38.3



#4
 Vinyl Chloride
 Concen: 49.446 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 62 Resp: 172417
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.2 37.8





#5

Bromomethane

Concen: 46.266 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

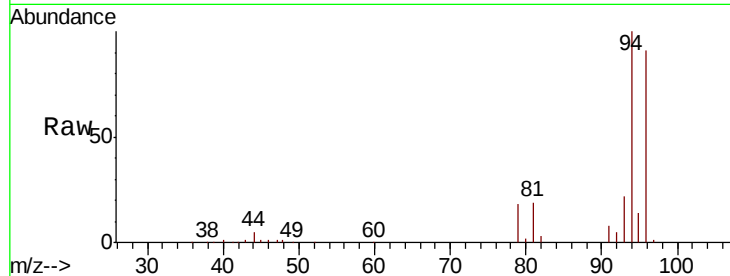
VSTDCCC050

Tot Ion: 94 Resp: 100574

Ion Ratio Lower Upper

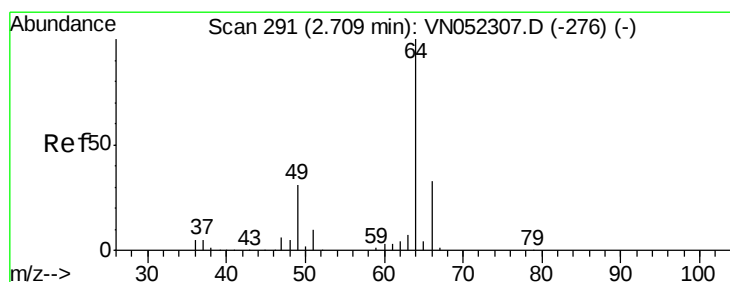
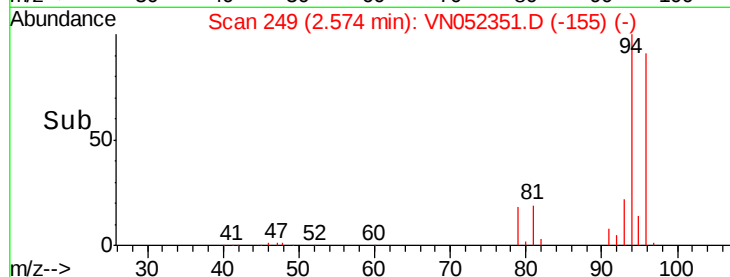
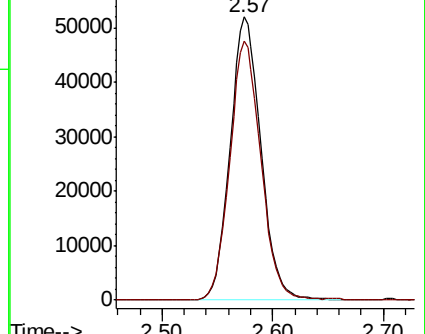
94 100

96 91.3 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.715 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052351.D

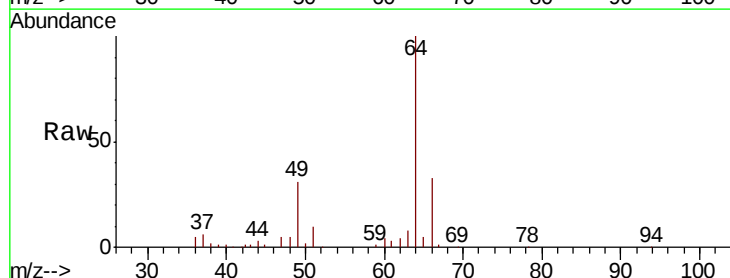
Acq: 16 Nov 2018 8:16

Tgt Ion: 64 Resp: 96043

Ion Ratio Lower Upper

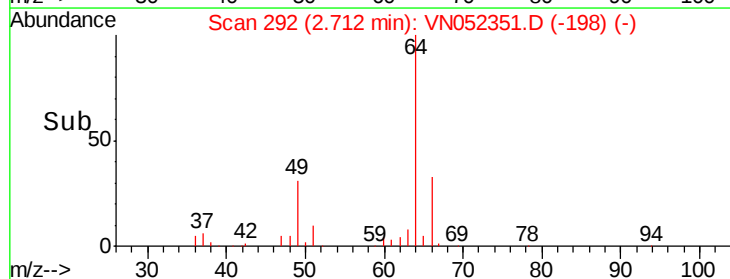
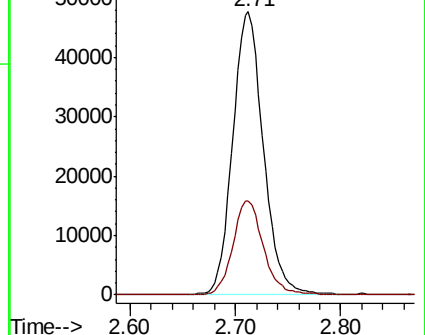
64 100

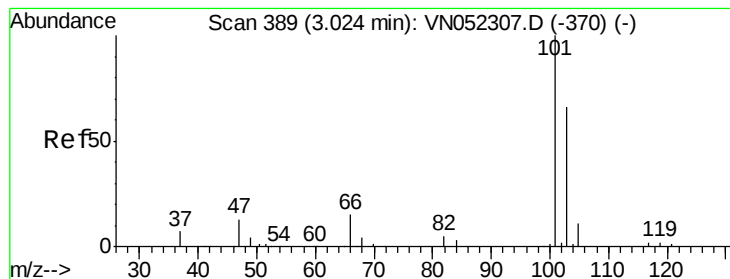
66 33.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



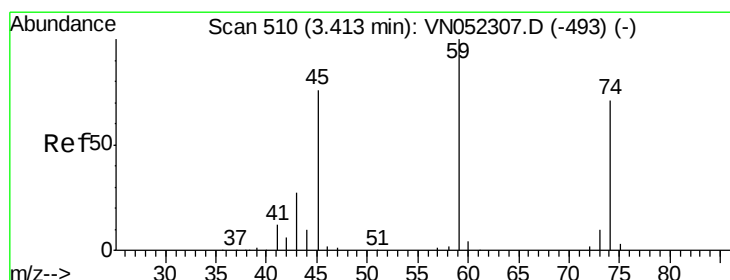
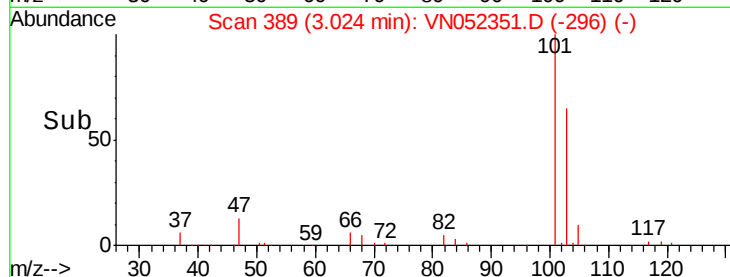
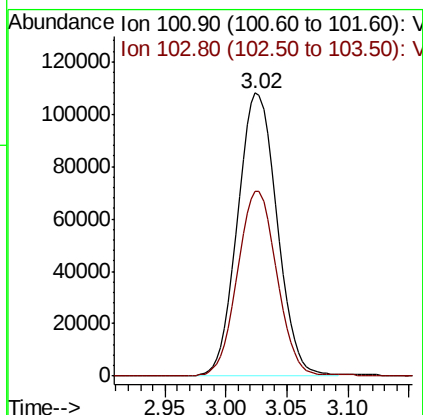
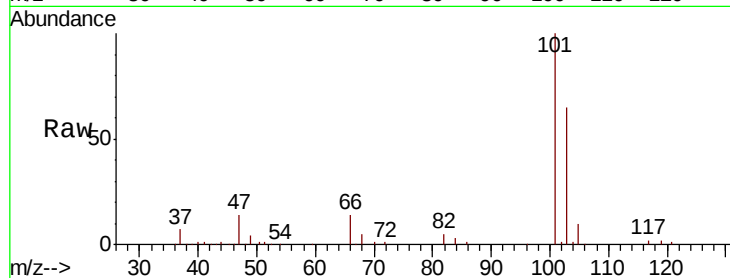


#7

Trichlorofluoromethane
 Concen: 50.204 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

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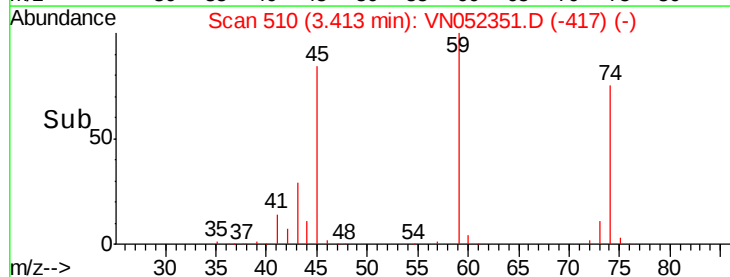
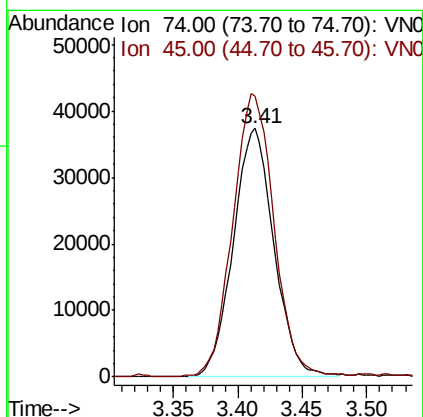
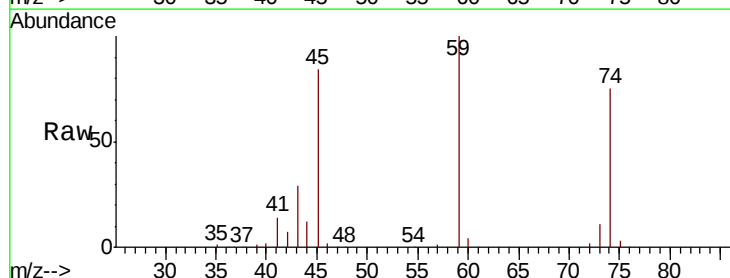
Tot Ion:101 Resp: 242244
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.8 79.2

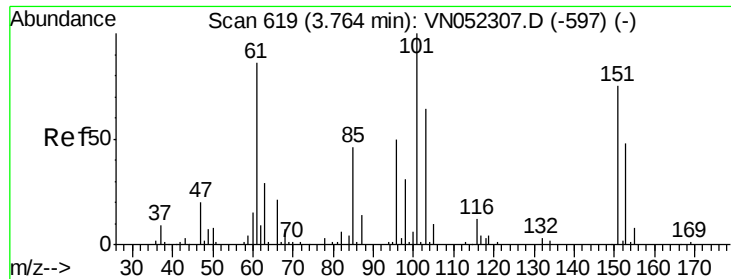


#8

Diethyl Ether
 Concen: 44.588 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 74 Resp: 81999
 Ion Ratio Lower Upper
 74 100
 45 116.0 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.211 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

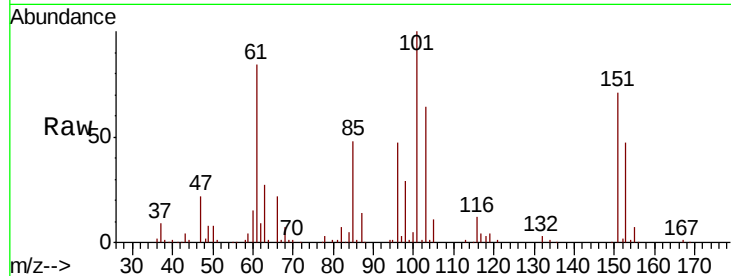
Tot Ion:101 Resp: 149955

Ion Ratio Lower Upper

101 100

85 47.0 37.4 56.0

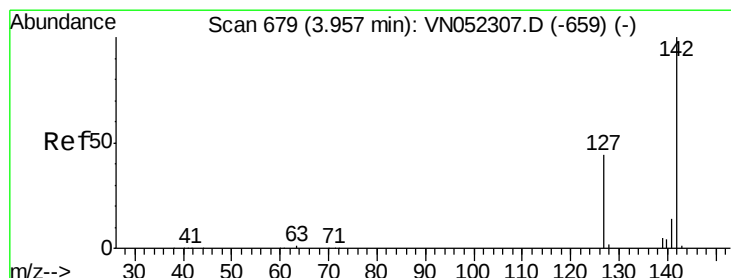
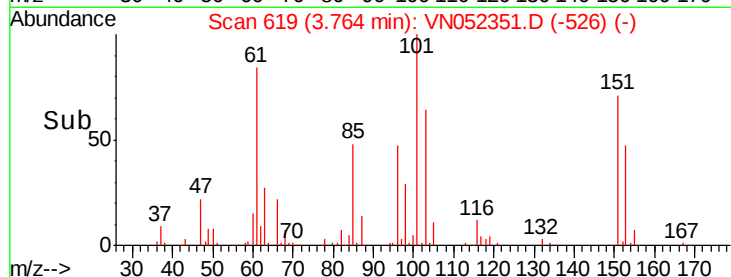
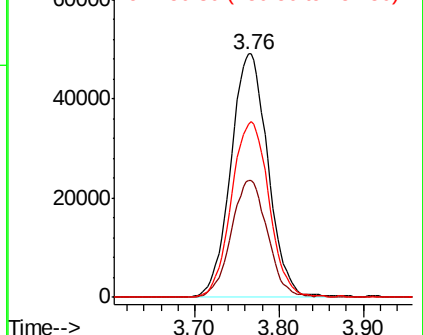
151 72.9 58.6 88.0



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: 47.087 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

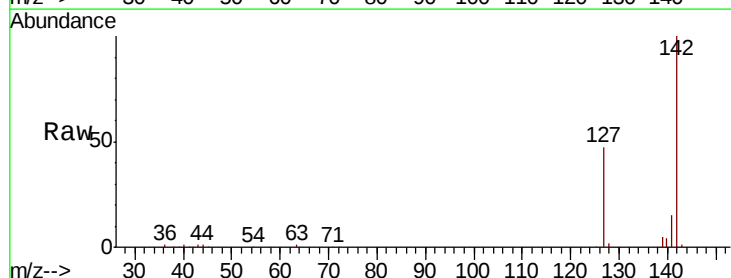
Tgt Ion:142 Resp: 192654

Ion Ratio Lower Upper

142 100

127 46.9 36.3 54.5

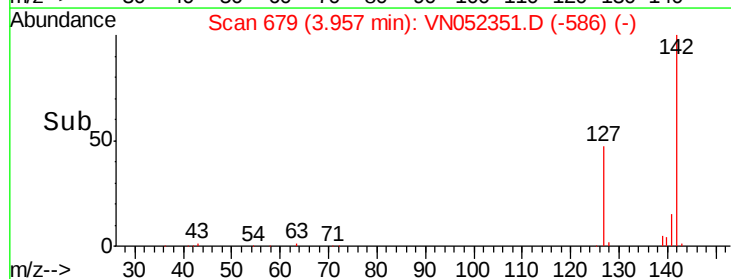
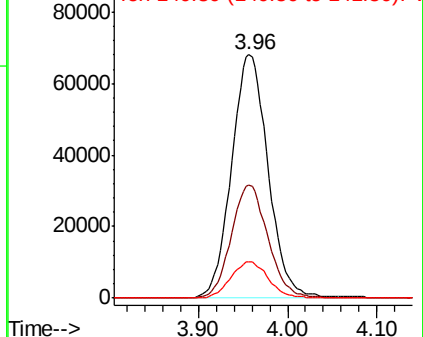
141 15.3 11.4 17.2

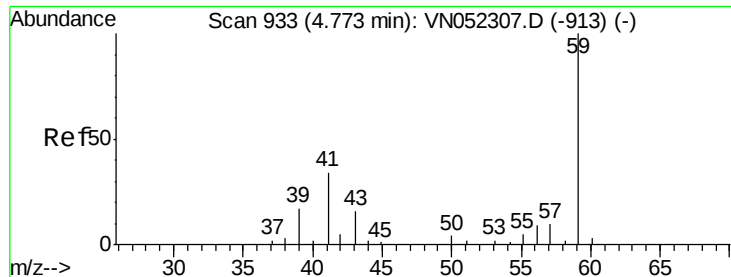


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

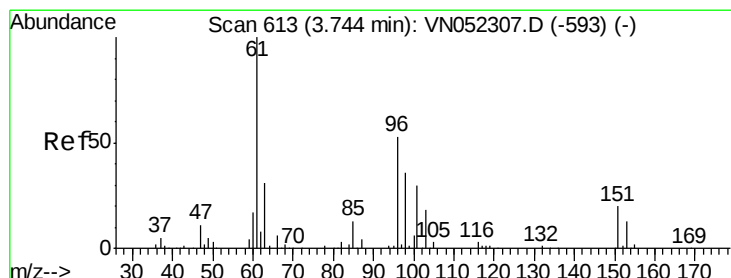
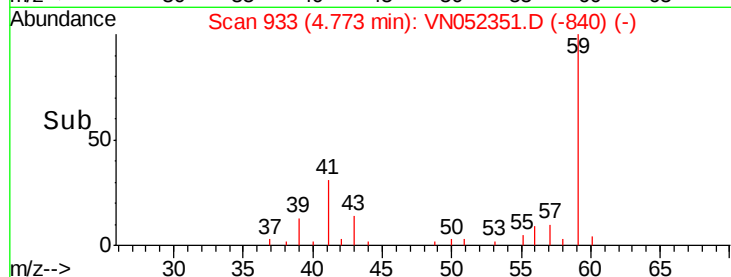
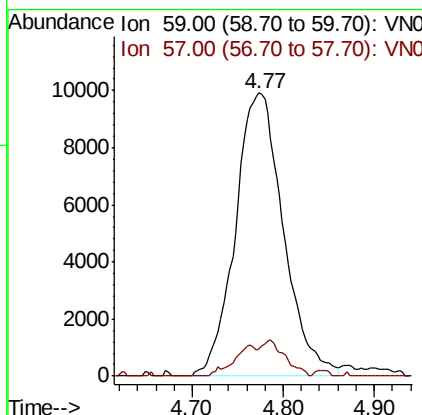
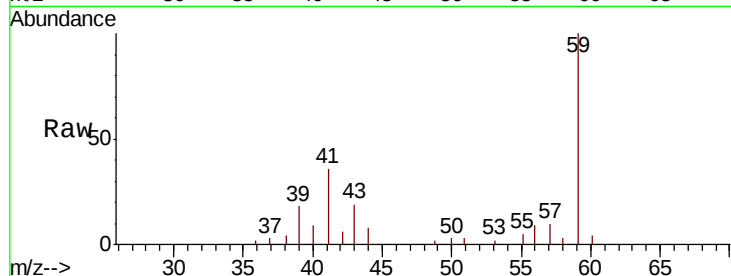




#11
Tert butyl alcohol
Concen: 178.068 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

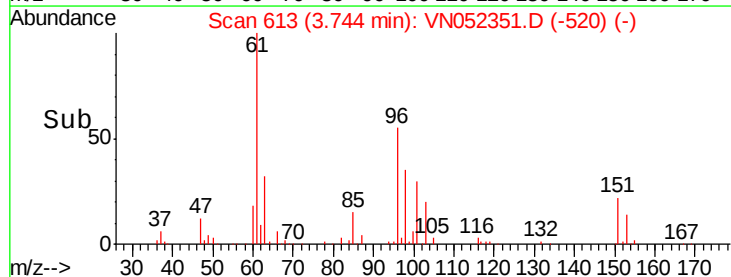
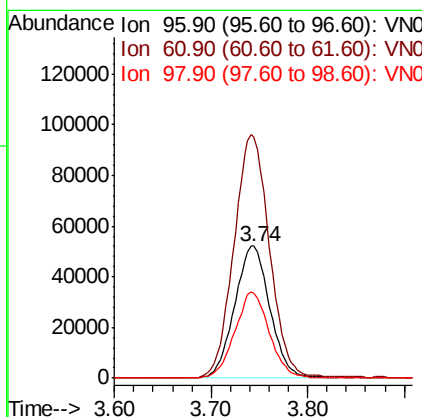
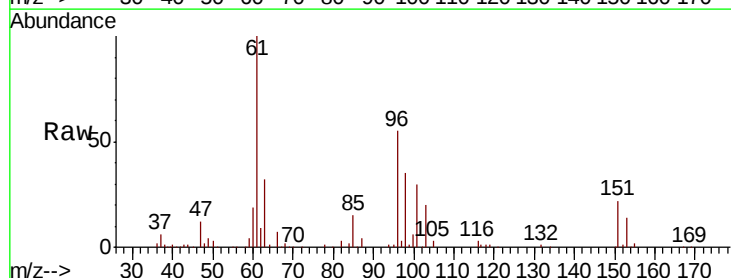
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

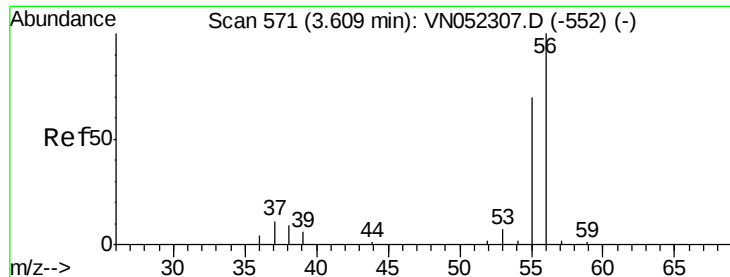
Tot Ion: 59 Resp: 36383
Ion Ratio Lower Upper
59 100
57 6.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 46.857 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 96 Resp: 132130
Ion Ratio Lower Upper
96 100
61 182.2 149.6 224.4
98 63.8 54.2 81.2





#13

Acrolein

Concen: 191.244 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampled :

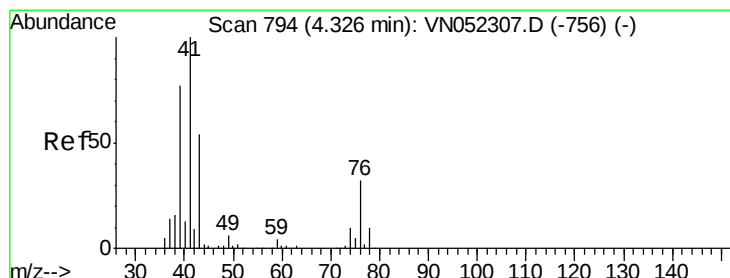
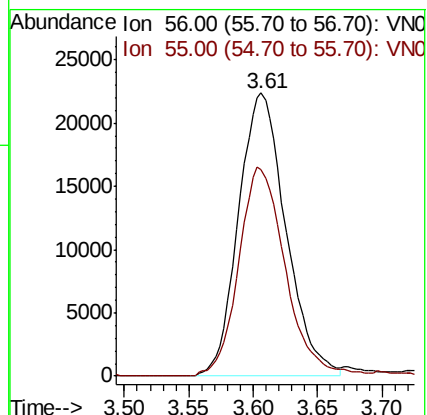
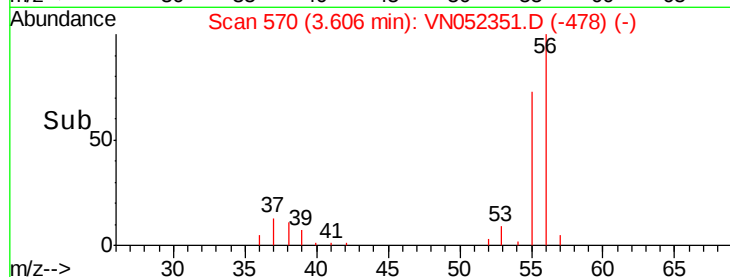
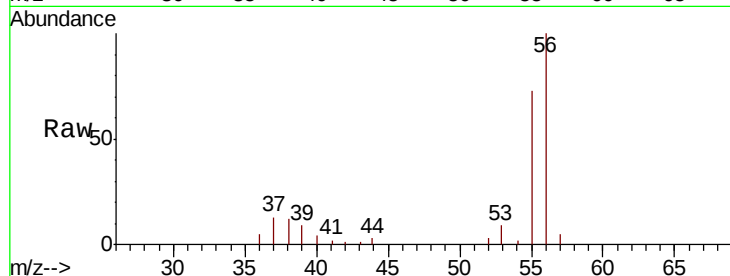
VSTDCCC050

Tot Ion: 56 Resp: 57210

Ion Ratio Lower Upper

56 100

55 72.8 57.6 86.4



#14

Allyl chloride

Concen: 49.627 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

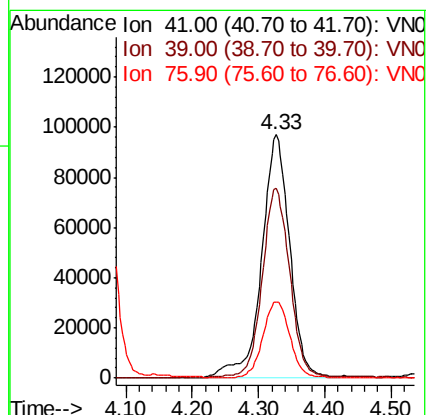
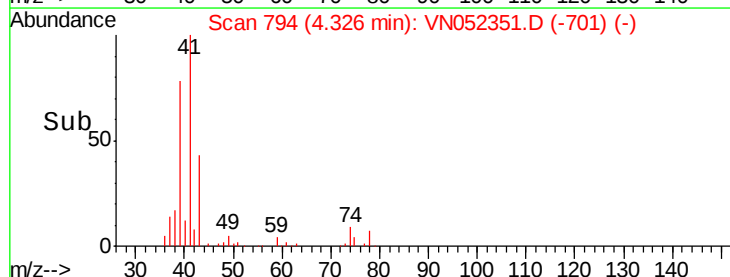
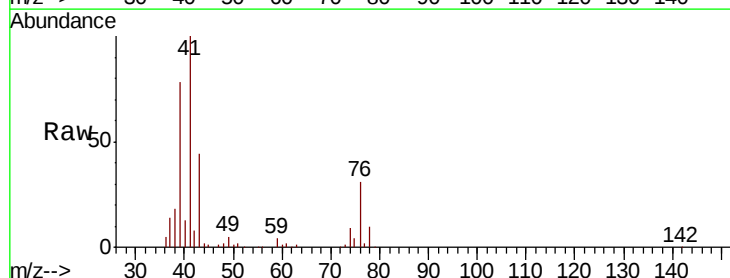
Tgt Ion: 41 Resp: 287345

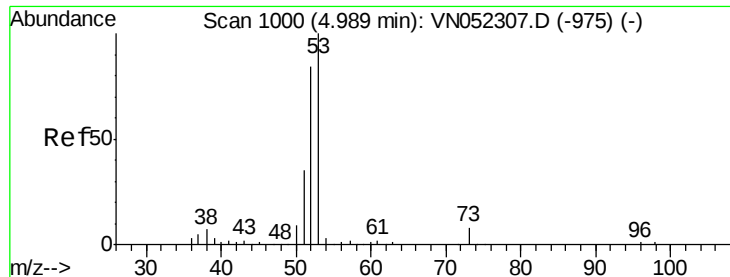
Ion Ratio Lower Upper

41 100

39 75.7 59.1 88.7

76 29.6 24.1 36.1





#15

Acrylonitrile

Concen: 215.985 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

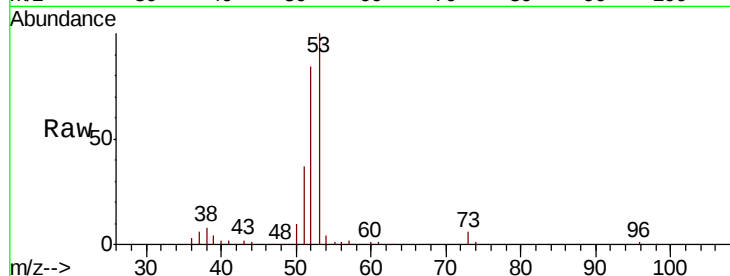
Tot Ion: 53 Resp: 251989

Ion Ratio Lower Upper

53 100

52 84.7 67.5 101.3

51 38.7 29.9 44.9

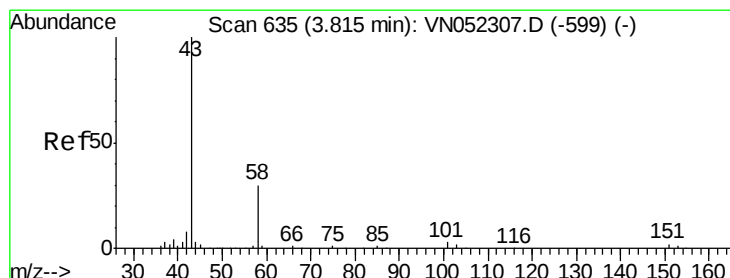
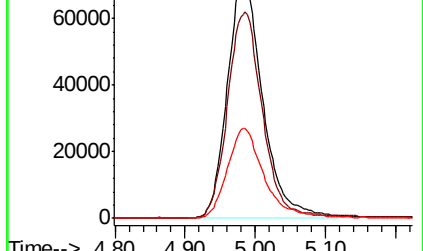
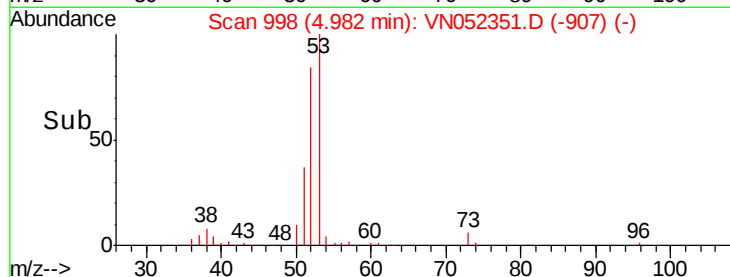


Abundance Ion 53.00 (52.70 to 53.70): VN052307.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN052307.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN052307.D (-975) (-)

Time-->



#16

Acetone

Concen: 245.728 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052351.D

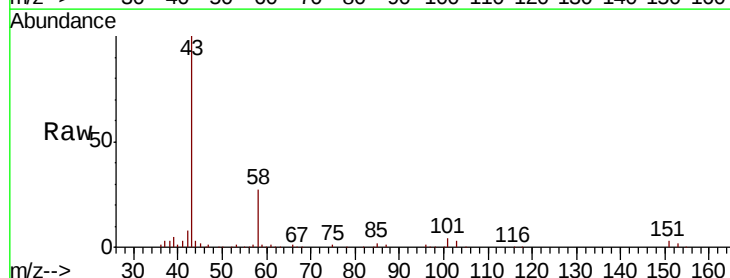
Acq: 16 Nov 2018 8:16

Tgt Ion: 43 Resp: 261760

Ion Ratio Lower Upper

43 100

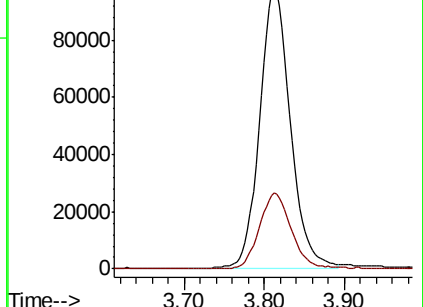
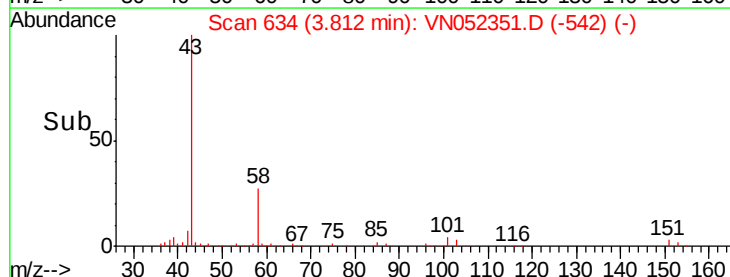
58 26.9 24.2 36.4

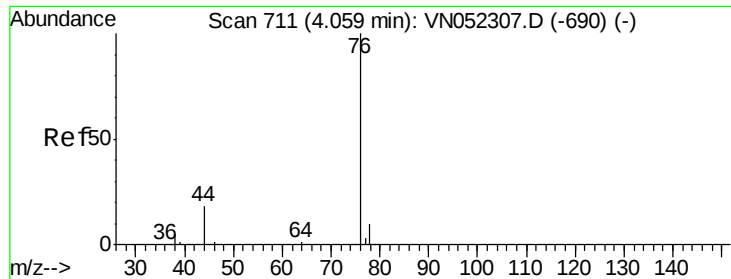


Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)

Time-->

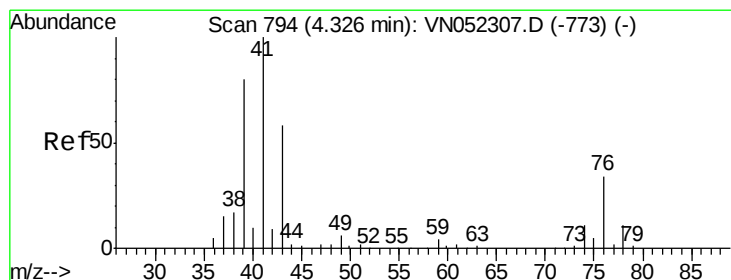
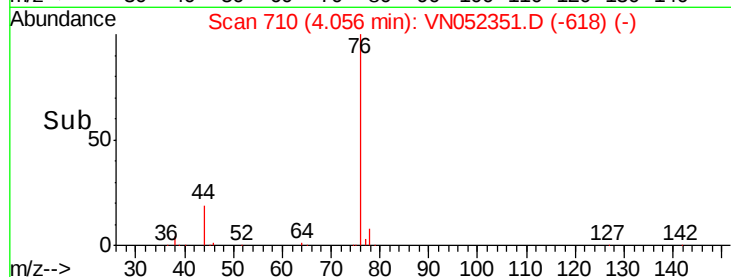
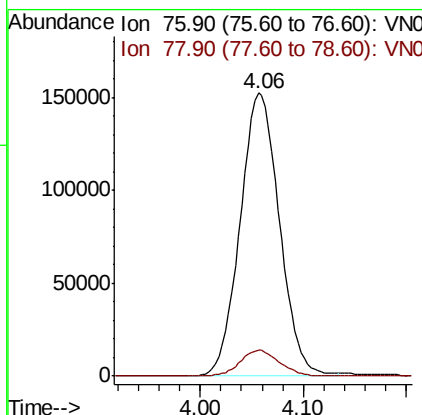
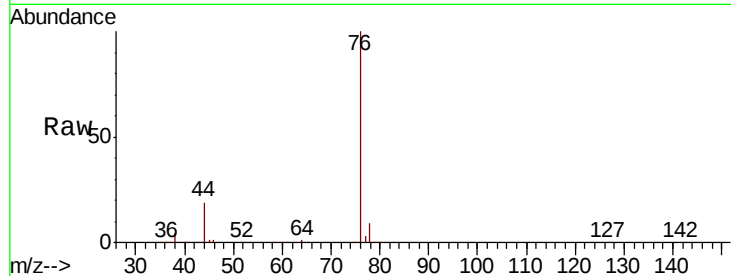




#17
Carbon Disulfide
Concen: 50.022 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

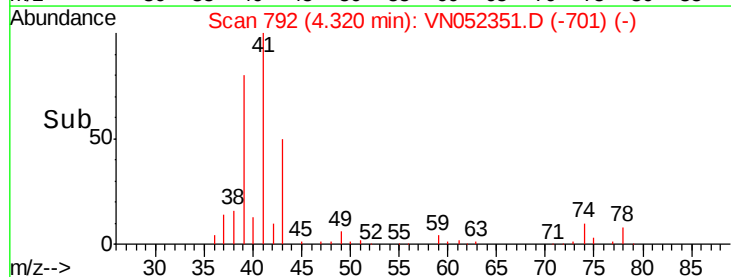
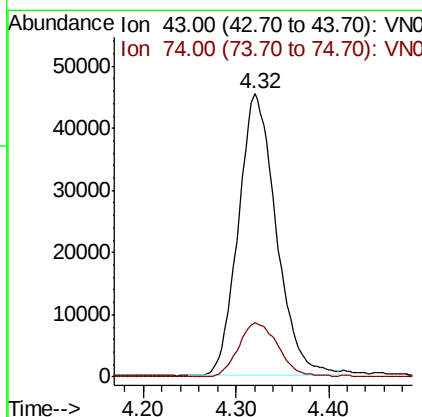
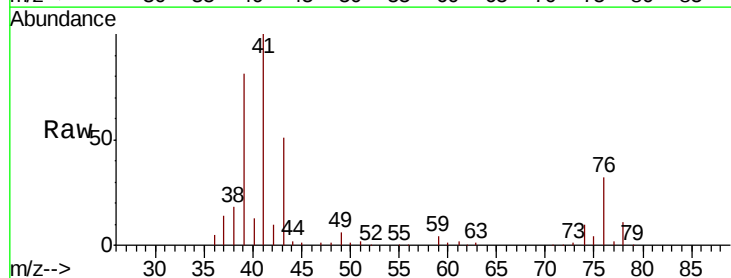
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

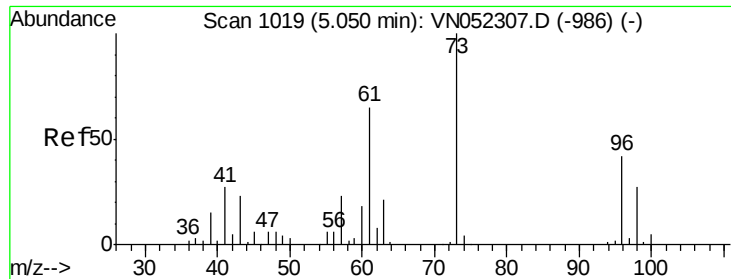
Tot Ion: 76 Resp: 404479
Ion Ratio Lower Upper
76 100
78 9.4 7.7 11.5



#18
Methyl Acetate
Concen: 43.164 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 43 Resp: 128669
Ion Ratio Lower Upper
43 100
74 20.1 15.9 23.9

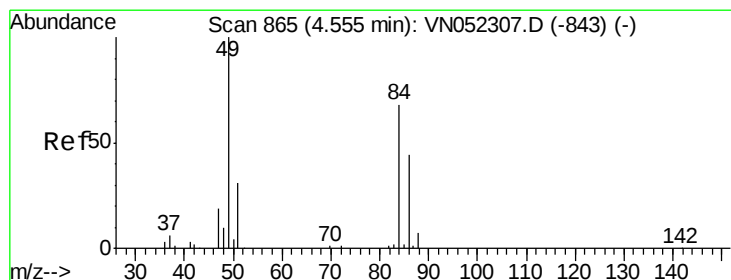
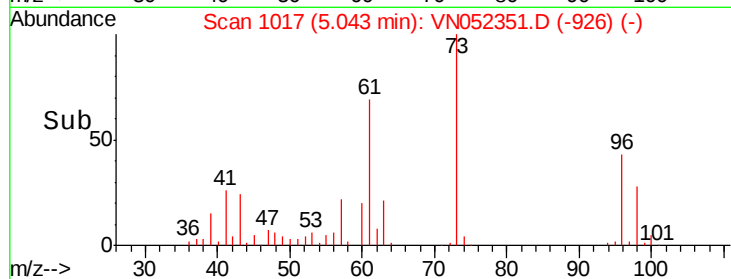
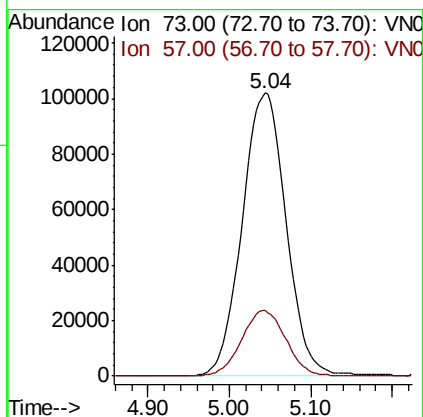
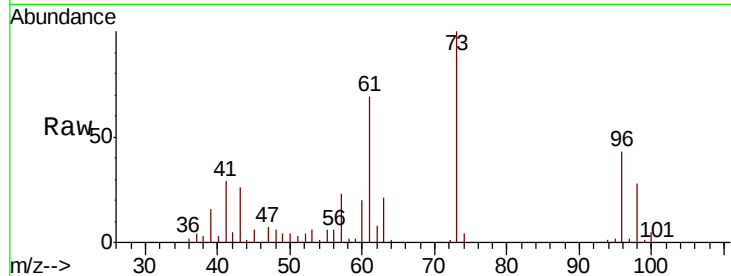




#19
Methvl tert-butvl Ether
Concen: 46.888 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

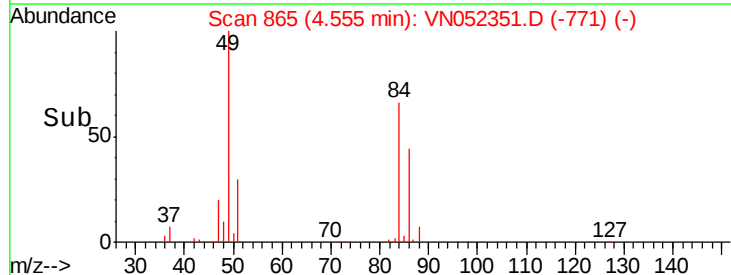
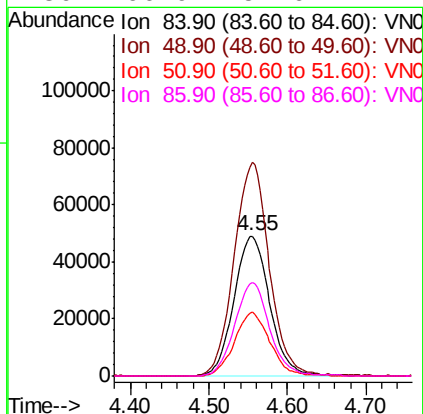
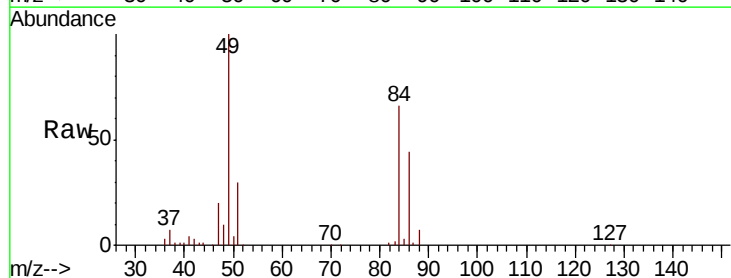
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

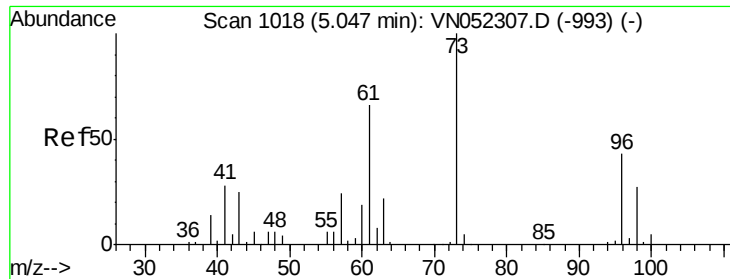
Tot Ion: 73 Resp: 379958
Ion Ratio Lower Upper
73 100
57 23.1 18.7 28.1



#20
Methylene Chloride
Concen: 48.008 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 84 Resp: 155674
Ion Ratio Lower Upper
84 100
49 152.5 118.2 177.2
51 45.5 36.1 54.1
86 66.9 51.6 77.4

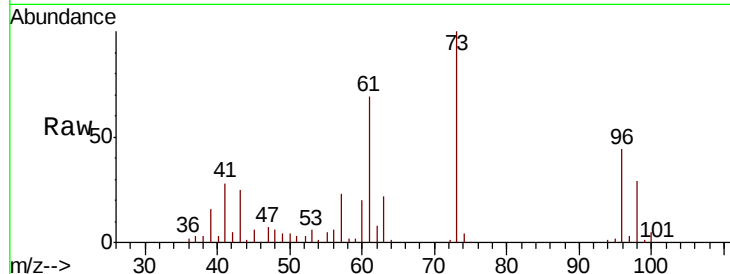




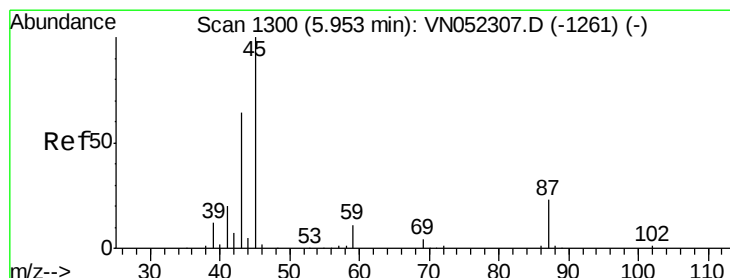
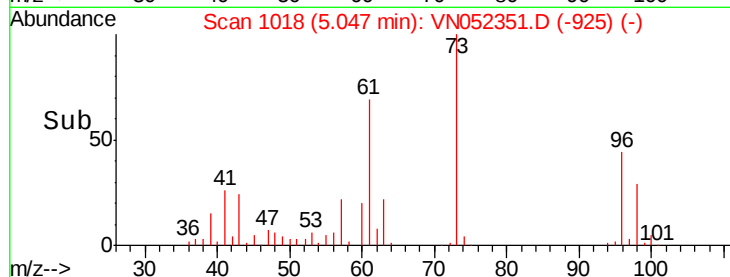
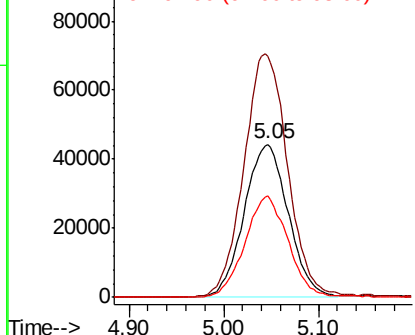
#21
trans-1,2-Dichloroethene
Concen: 47.195 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 143285
Ion Ratio Lower Upper
96 100
61 157.8 123.6 185.4
98 65.9 50.7 76.1

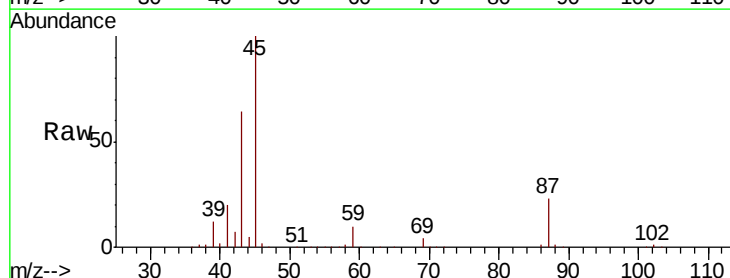


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

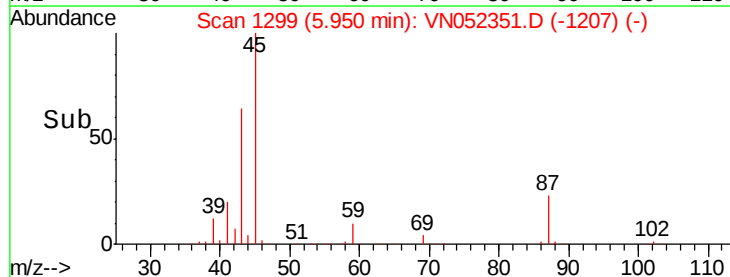
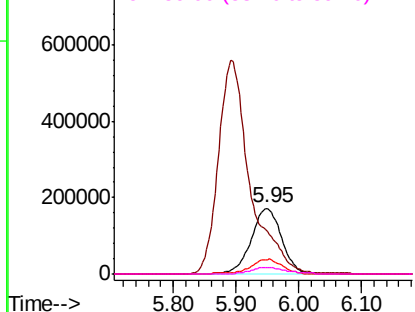


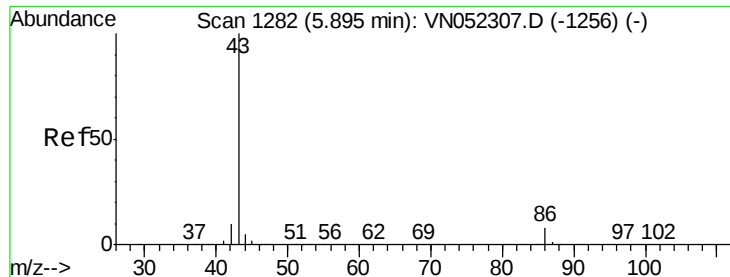
#22
Diisopropyl ether
Concen: 49.187 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 45 Resp: 581101
Ion Ratio Lower Upper
45 100
43 64.2 51.4 77.2
87 22.4 18.8 28.2
59 10.3 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

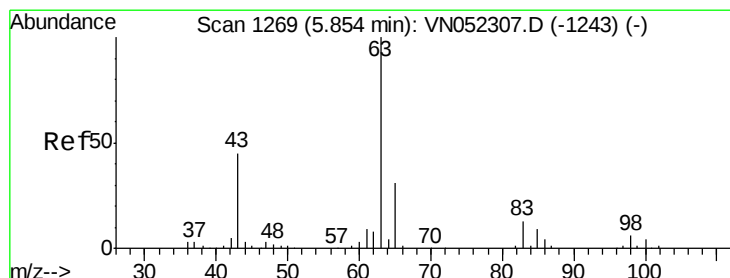
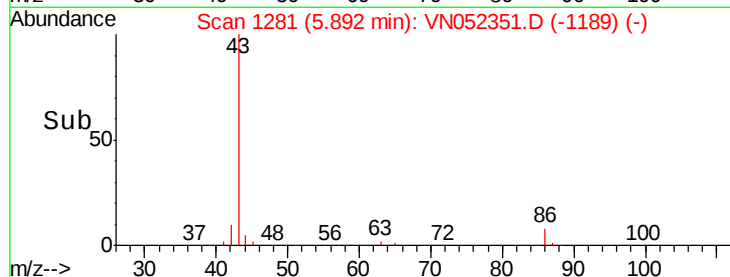
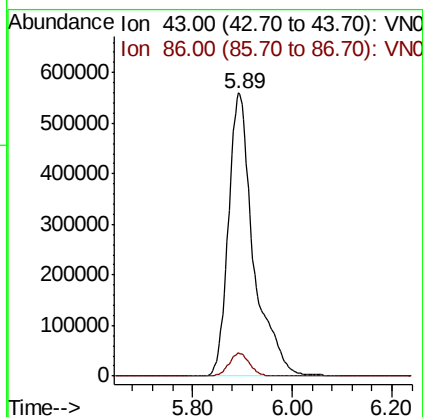
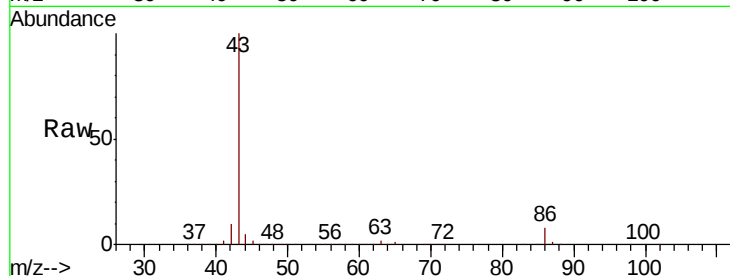




#23
 Vinyl Acetate
 Concen: 245.262 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

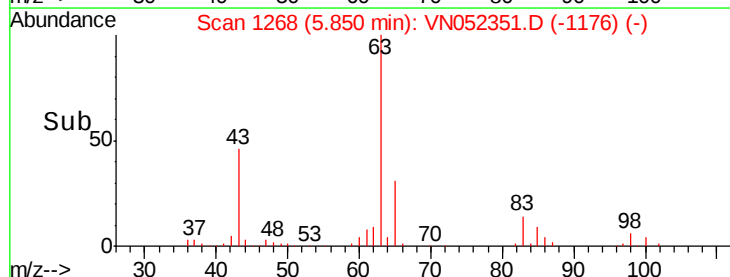
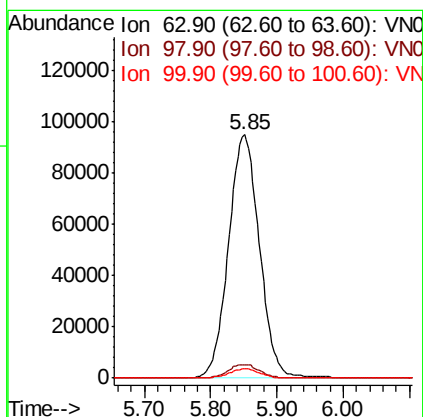
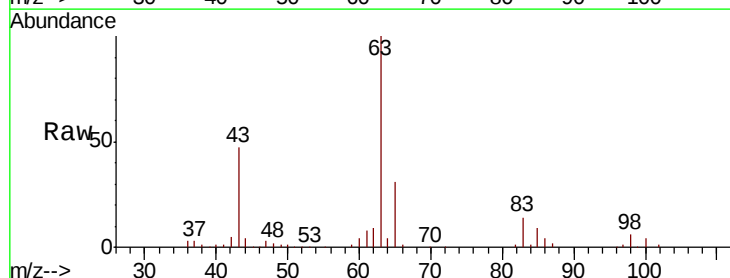
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

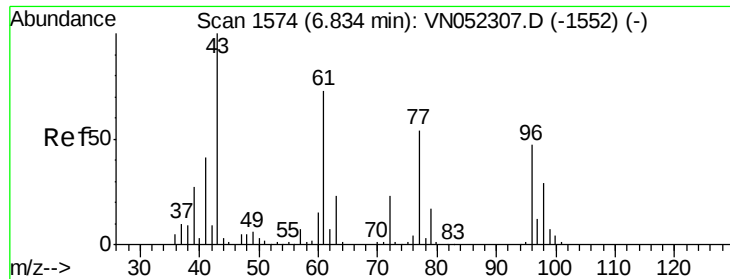
Tot Ion: 43 Resp: 1965569
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 48.560 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 63 Resp: 307622
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.9 8.6
 100 3.8 1.9 5.7

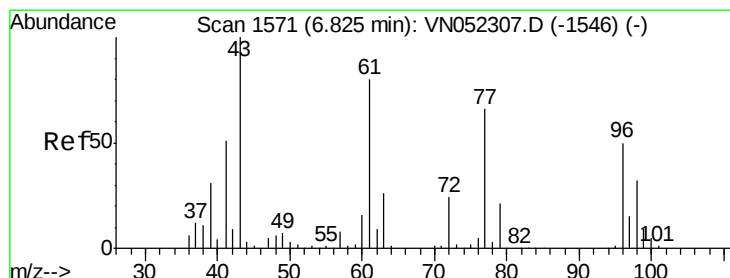
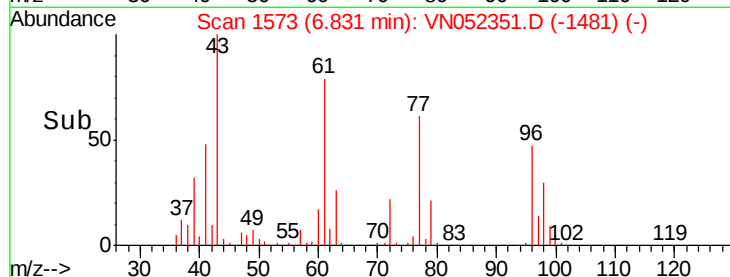
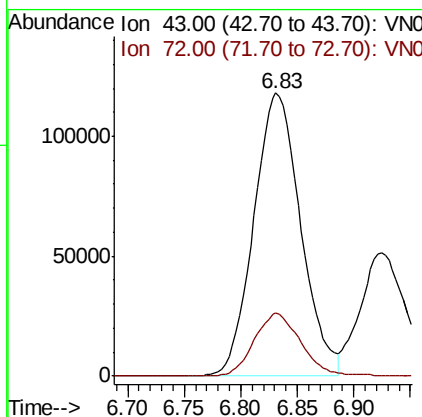
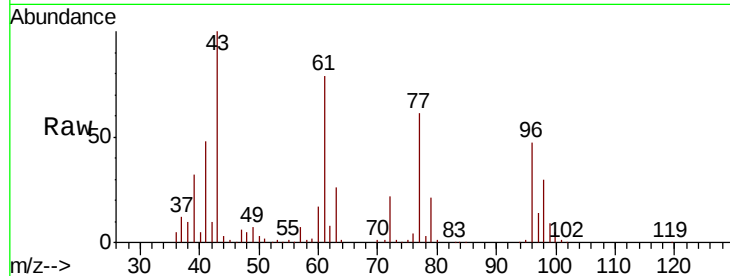




#25
2-Butanone
Concen: 225.491 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

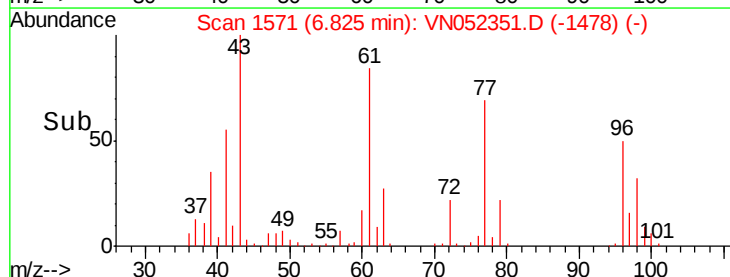
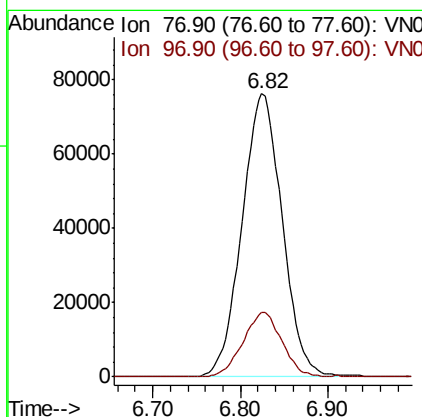
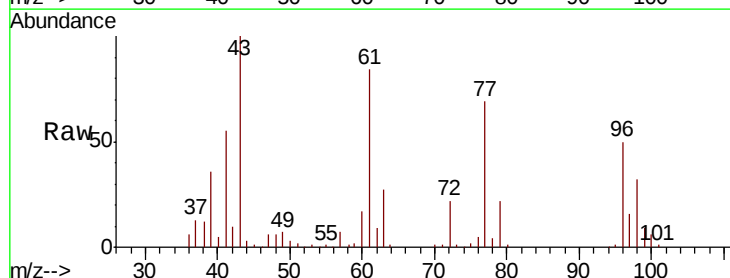
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

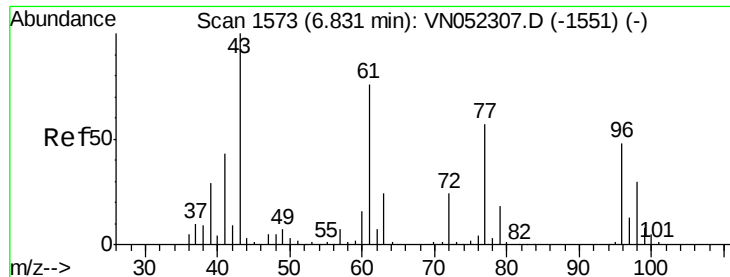
Tot Ion: 43 Resp: 338102
Ion Ratio Lower Upper
43 100
72 22.5 18.6 27.8



#26
2,2-Dichloropropane
Concen: 52.145 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 77 Resp: 242900
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 47.212 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

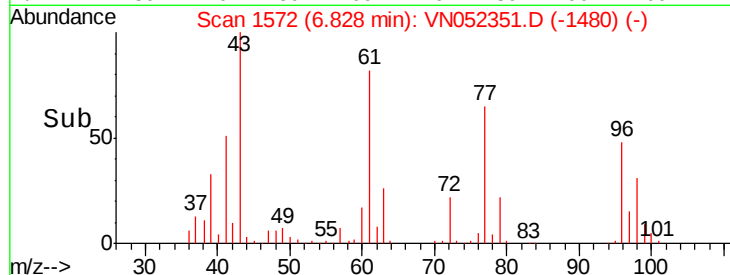
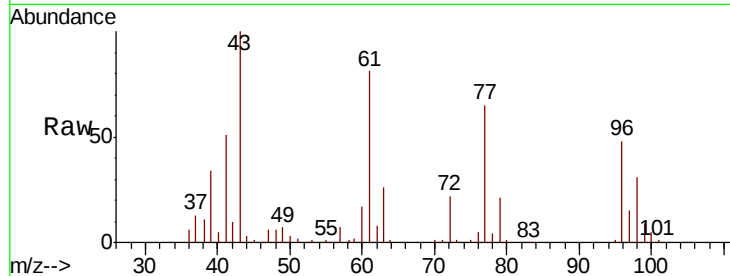
Tot Ion: 96 Resp: 166861

Ion Ratio Lower Upper

96 100

61 165.5 0.0 316.8

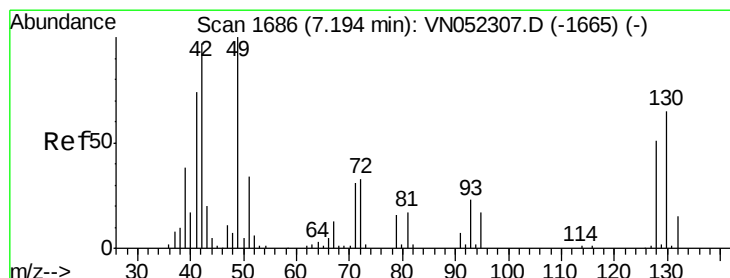
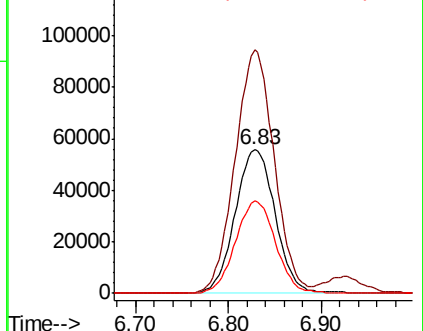
98 64.5 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 47.784 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

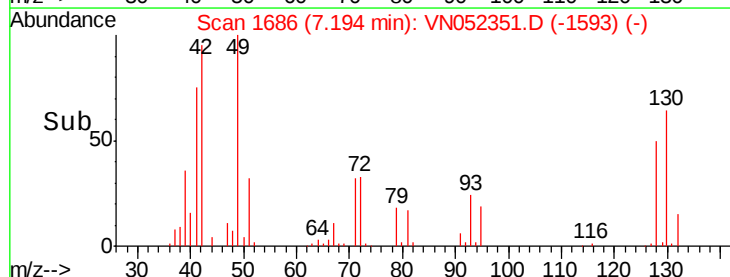
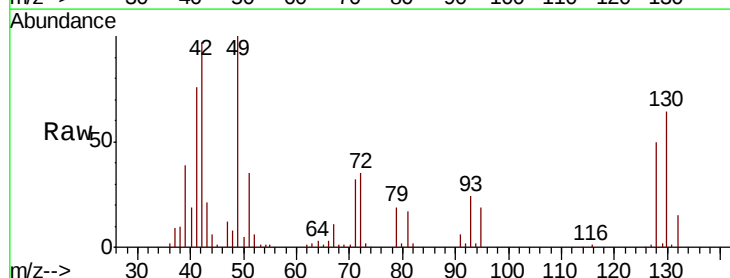
Tgt Ion: 49 Resp: 155644

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.0

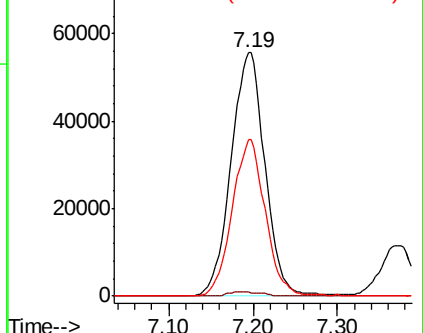
130 62.4 50.4 75.6

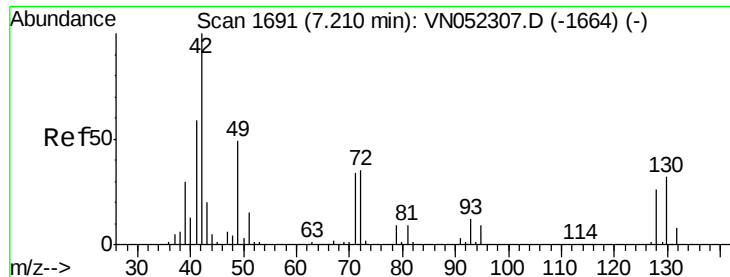


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 208.375 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

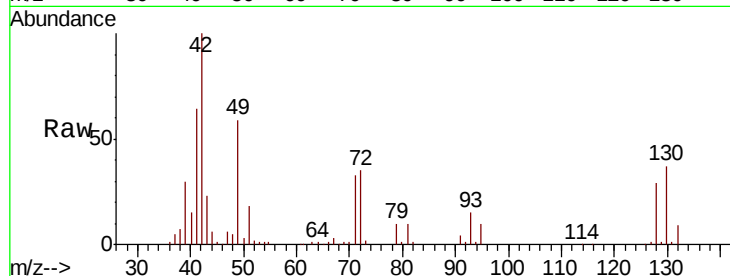
Tot Ion: 42 Resp: 205249

Ion Ratio Lower Upper

42 100

72 34.6 28.6 42.8

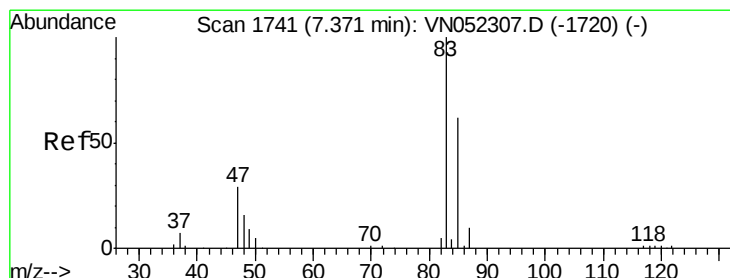
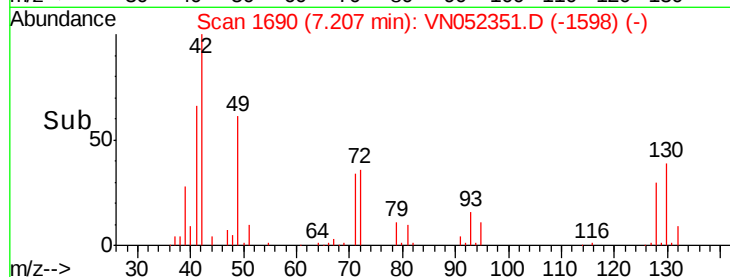
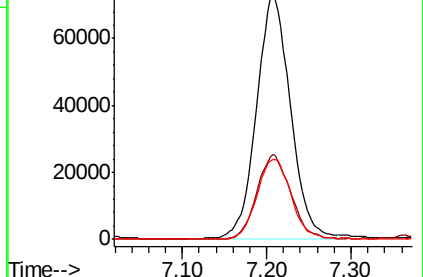
71 32.9 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VN052307.D (-1664) (-)

Ion 72.00 (71.70 to 72.70): VN052307.D (-1664) (-)

Ion 71.00 (70.70 to 71.70): VN052307.D (-1664) (-)



#30

Chloroform

Concen: 51.207 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN052351.D

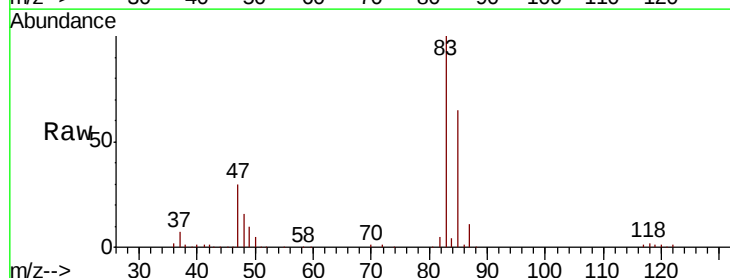
Acq: 16 Nov 2018 8:16

Tgt Ion: 83 Resp: 309145

Ion Ratio Lower Upper

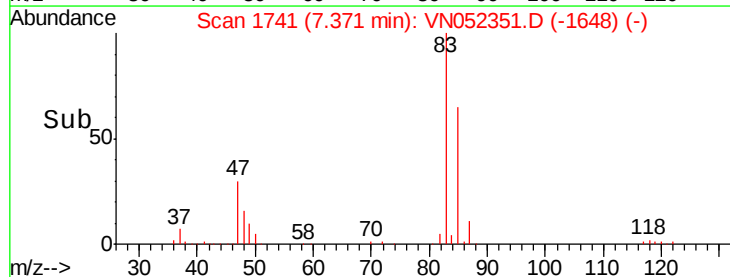
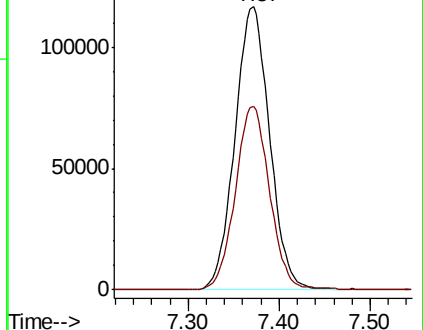
83 100

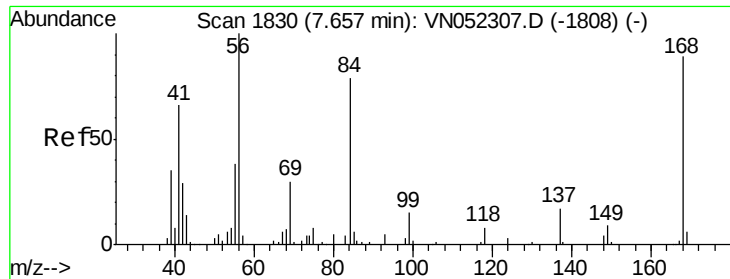
85 64.9 49.4 74.2



Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-1720) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-1720) (-)

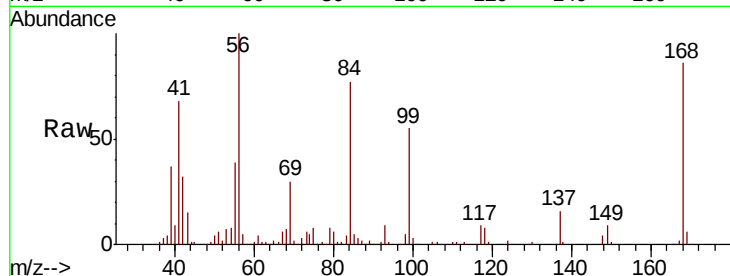




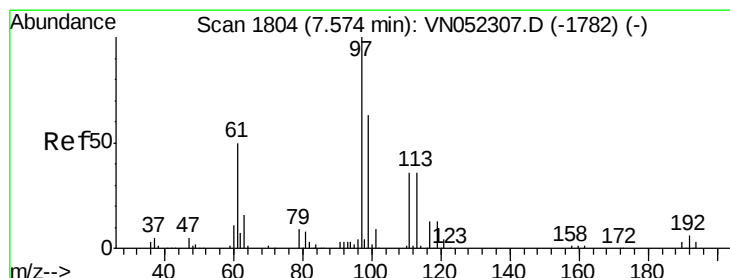
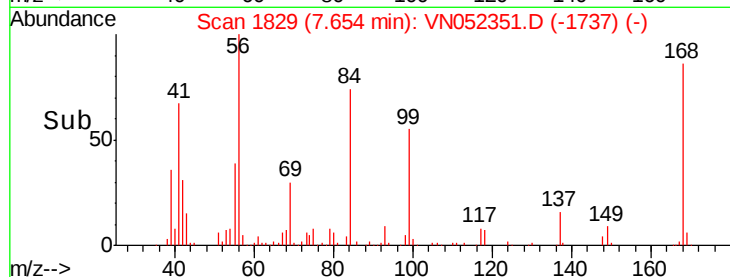
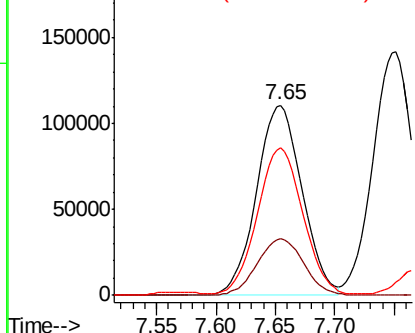
#31
Cyclohexane
Concen: 49.829 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 293096
Ion Ratio Lower Upper
56 100
69 29.9 23.8 35.8
84 75.7 63.0 94.6

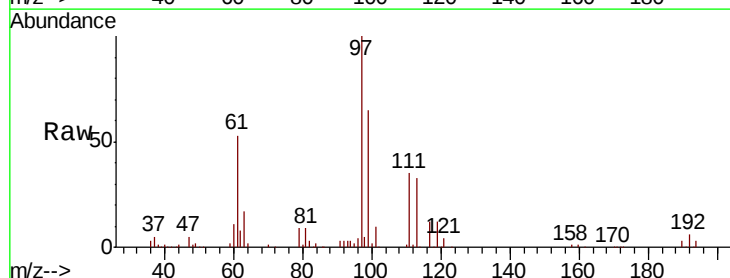


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

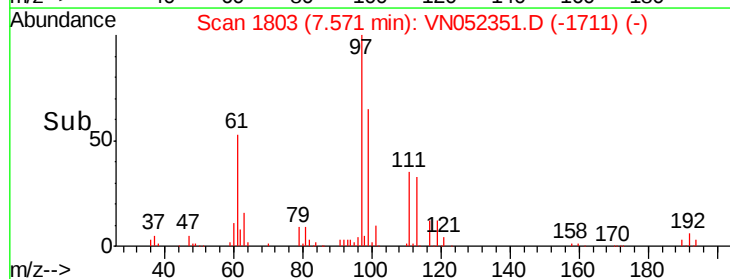
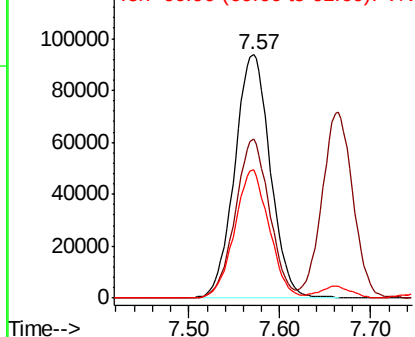


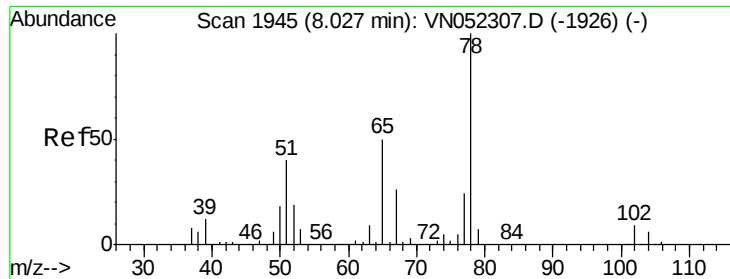
#32
1,1,1-Trichloroethane
Concen: 49.545 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 97 Resp: 254803
Ion Ratio Lower Upper
97 100
99 62.8 50.2 75.2
61 51.2 40.2 60.4



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

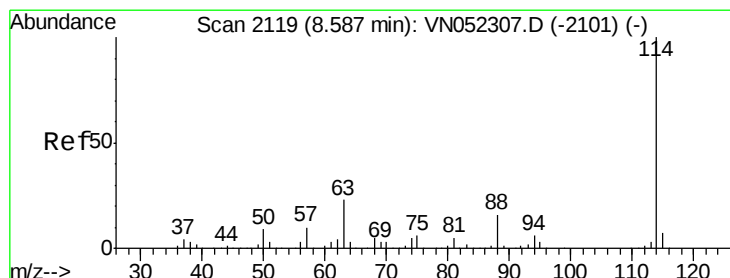
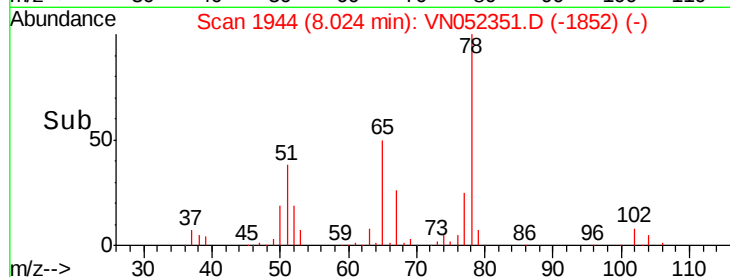
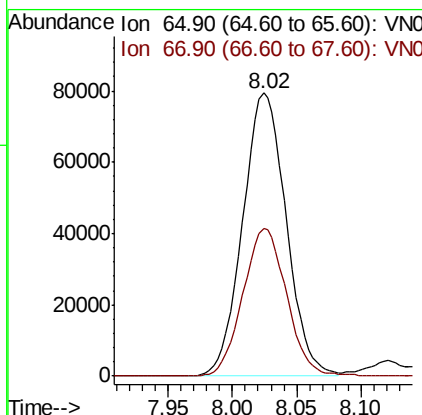
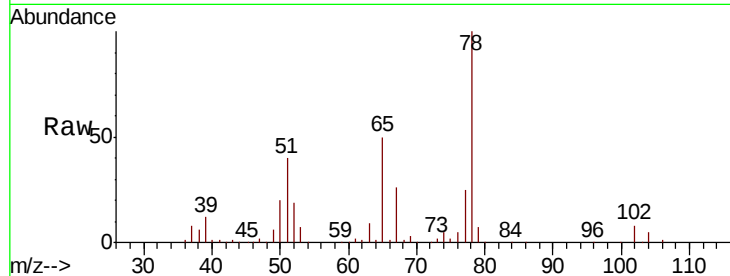




#33
 1,2-Dichloroethane-d4
 Concen: 49.545 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

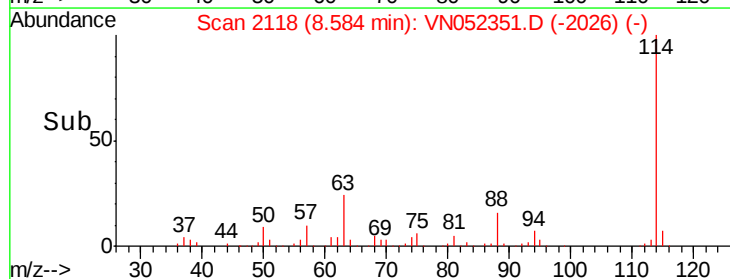
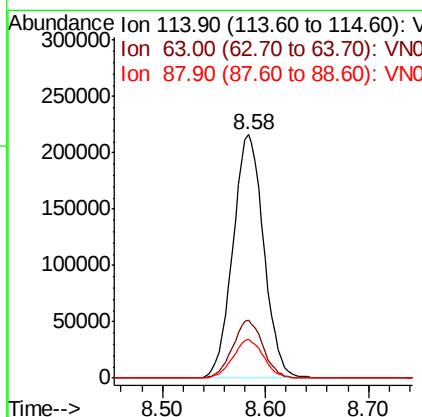
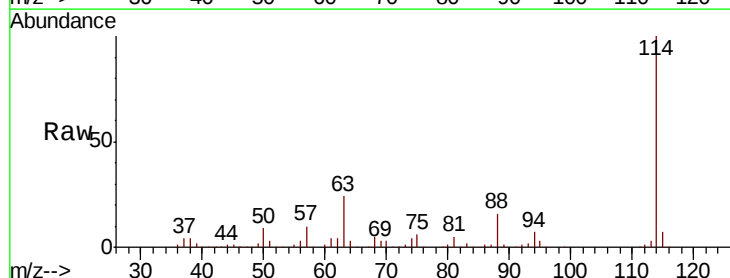
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

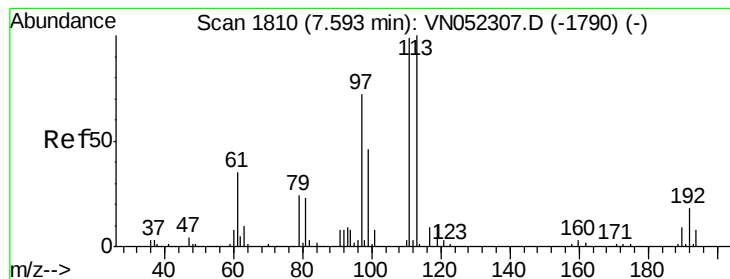
Tot Ion: 65 Resp: 186712
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 114 Resp: 449833
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.4
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

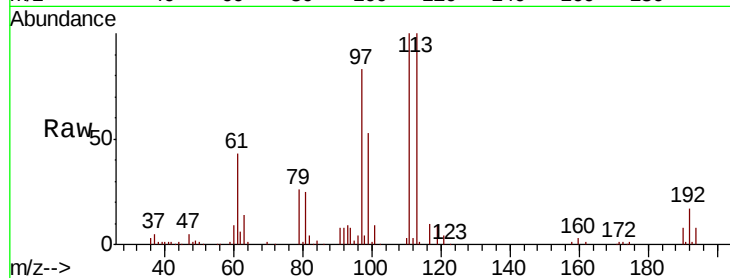
Tot Ion:113 Resp: 147213

Ion Ratio Lower Upper

113 100

111 102.8 81.0 121.6

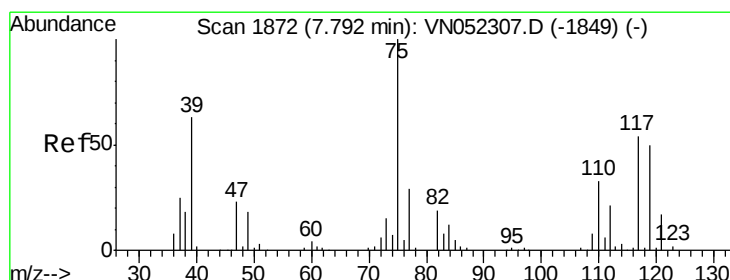
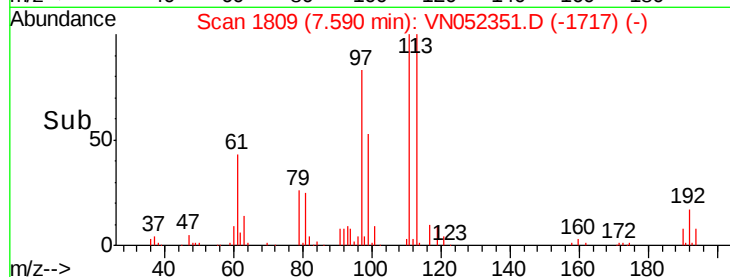
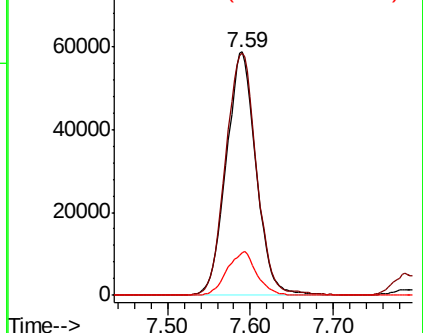
192 17.7 13.8 20.6



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: 51.506 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

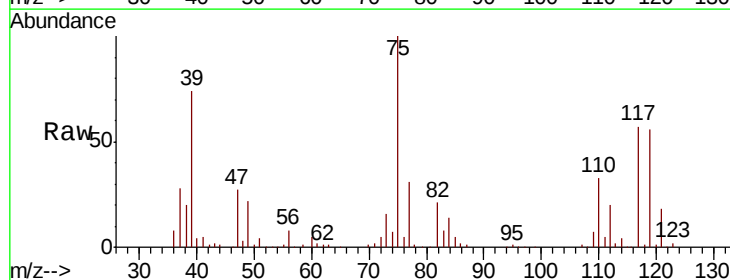
Tgt Ion: 75 Resp: 232221

Ion Ratio Lower Upper

75 100

110 32.6 16.5 49.5

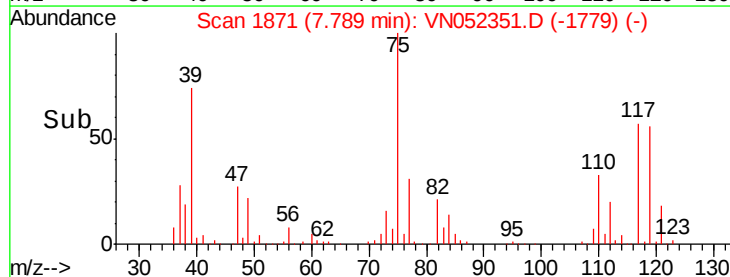
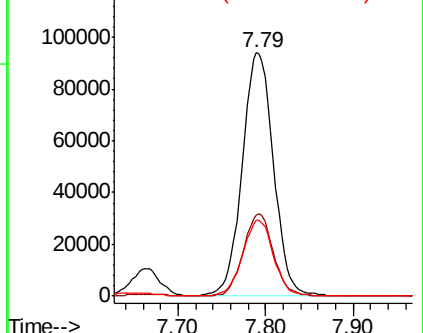
77 31.2 24.2 36.2

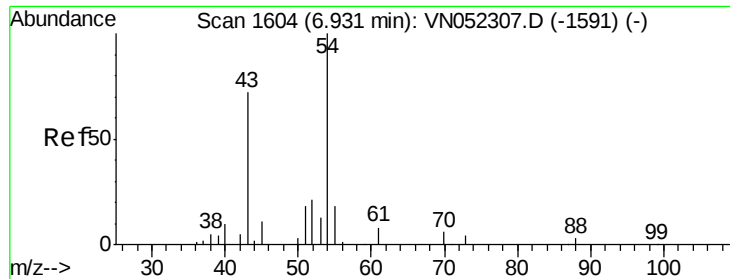


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

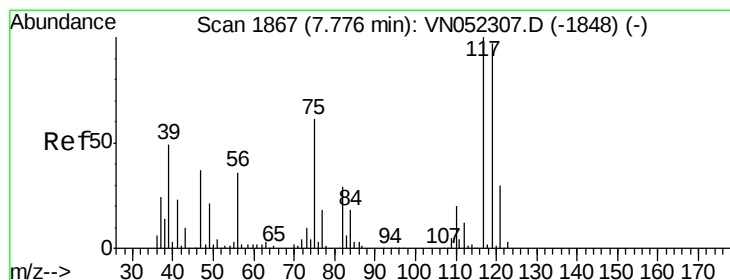
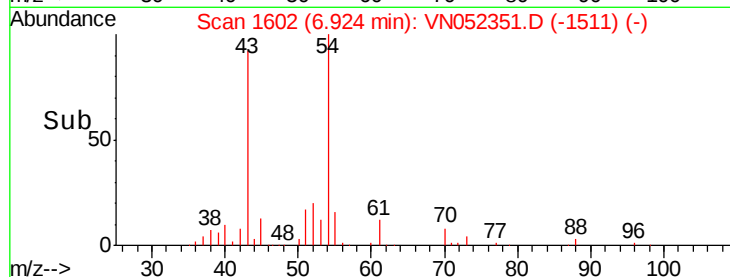
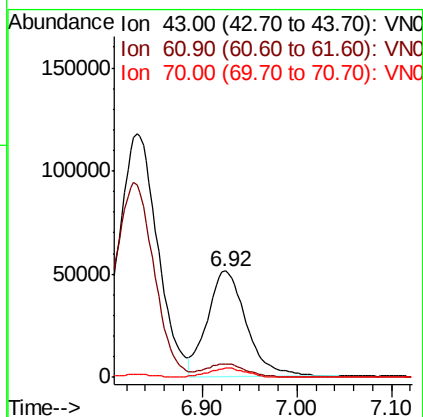
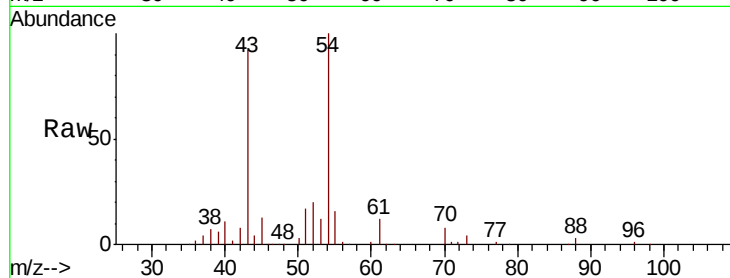




#37
Ethyl Acetate
Concen: 44.912 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

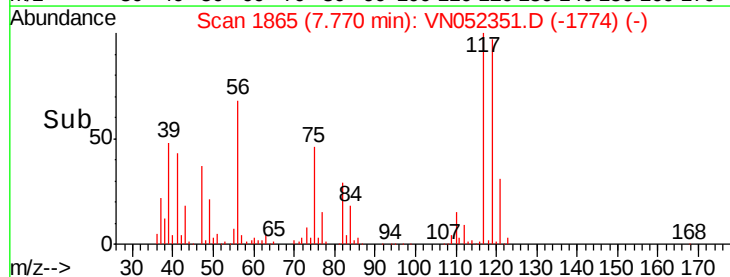
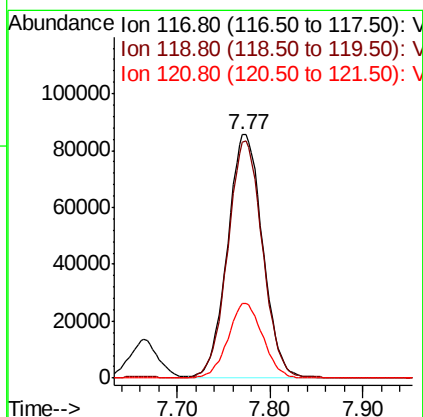
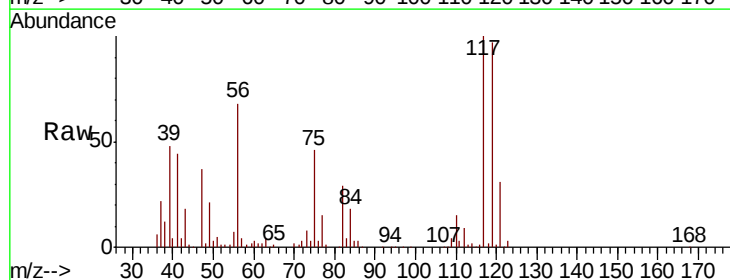
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

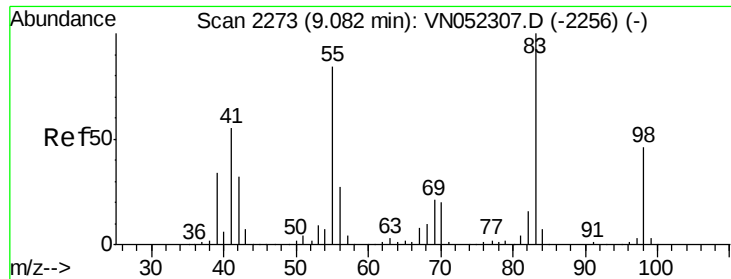
Tot Ion: 43 Resp: 146958
Ion Ratio Lower Upper
43 100
61 12.4 10.3 15.5
70 8.6 5.6 8.4#



#38
Carbon Tetrachloride
Concen: 54.420 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 117 Resp: 225422
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.0
121 30.6 24.0 36.0

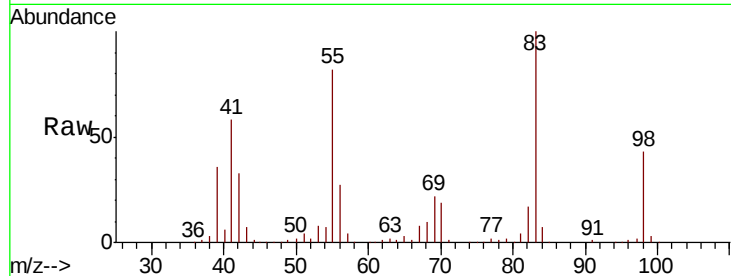




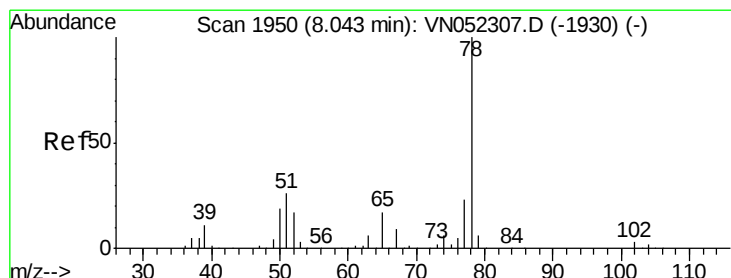
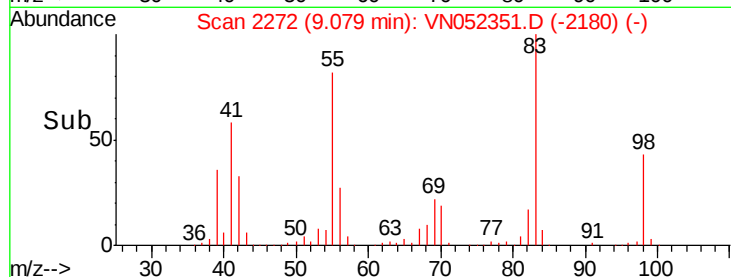
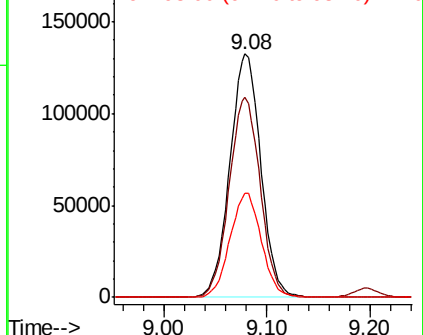
#39
Methvlcvclohexane
Concen: 53.721 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 276503
Ion Ratio Lower Upper
83 100
55 82.3 66.8 100.2
98 42.7 36.4 54.6

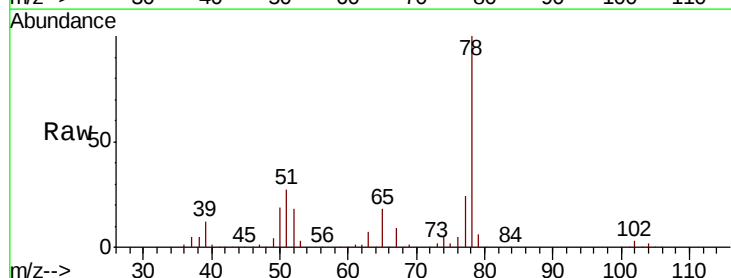


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

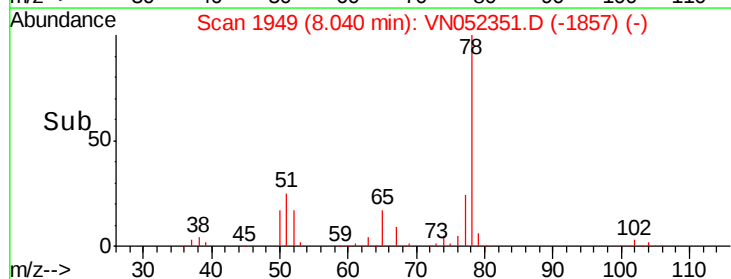
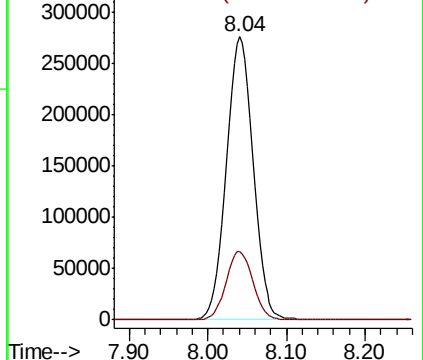


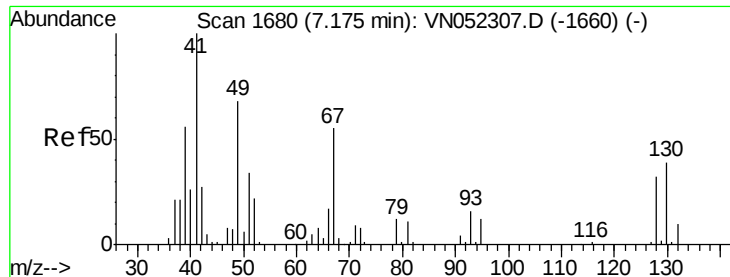
#40
Benzene
Concen: 50.444 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 78 Resp: 649736
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 48.267 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 87466

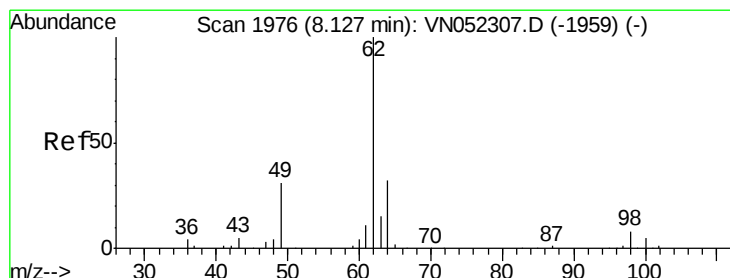
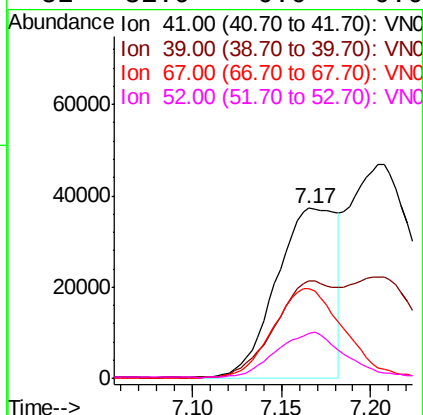
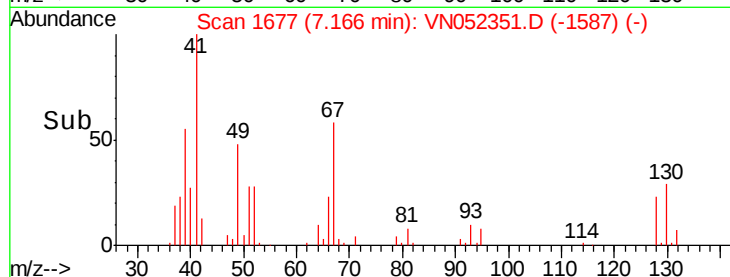
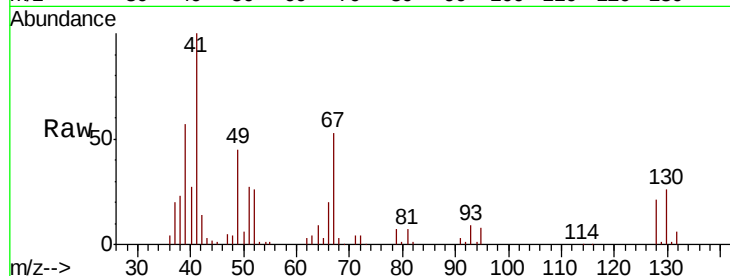
Ion Ratio Lower Upper

41 100

39 56.2 0.0 0.0#

67 62.3 0.0 0.0#

52 31.9 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 50.699 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052351.D

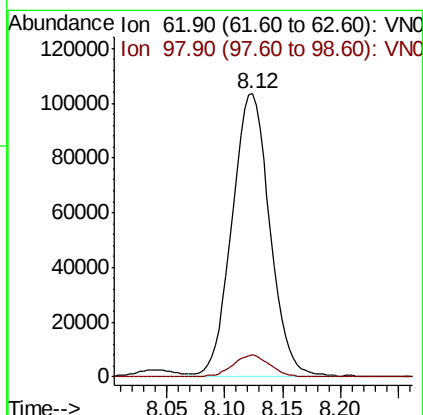
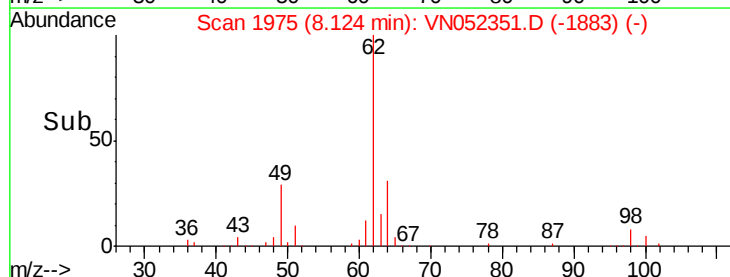
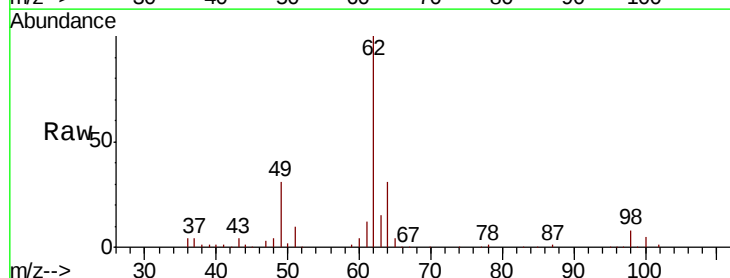
Acq: 16 Nov 2018 8:16

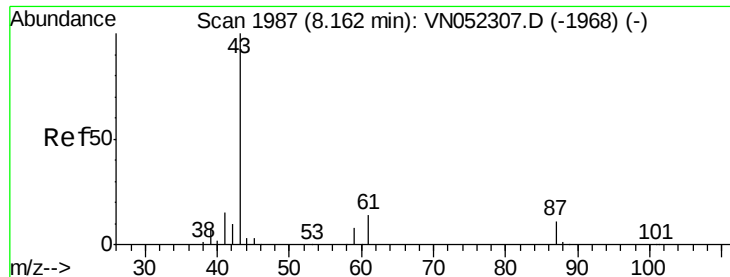
Tgt Ion: 62 Resp: 232864

Ion Ratio Lower Upper

62 100

98 7.7 0.0 15.6





#43

Isopropyl Acetate

Concen: 43.071 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

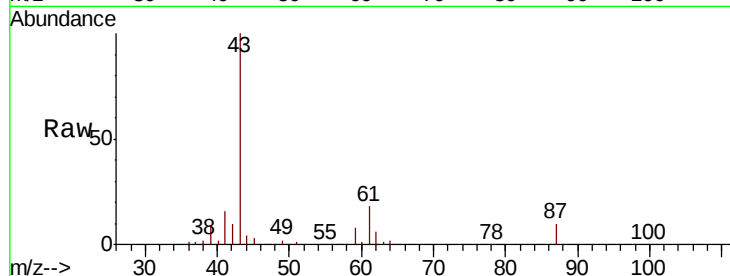
Tot Ion: 43 Resp: 271955

Ion Ratio Lower Upper

43 100

61 16.3 12.0 18.0

87 10.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)

8.16

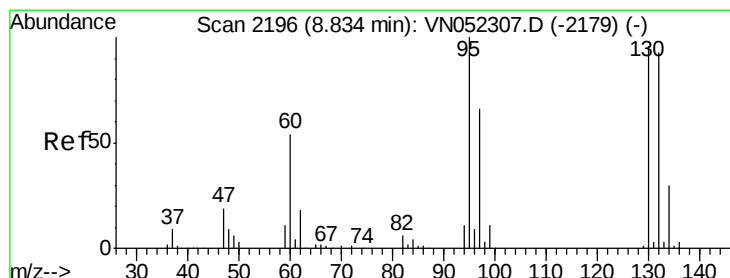
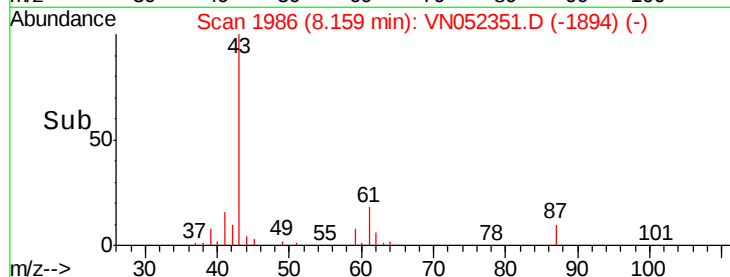
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 50.669 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN052351.D

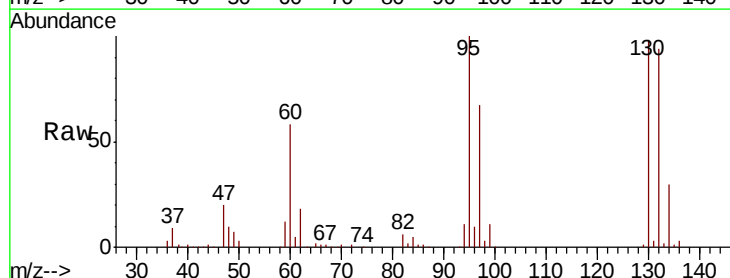
Acq: 16 Nov 2018 8:16

Tgt Ion:130 Resp: 160760

Ion Ratio Lower Upper

130 100

95 101.4 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052307.D (-2179) (-)

8.83

80000

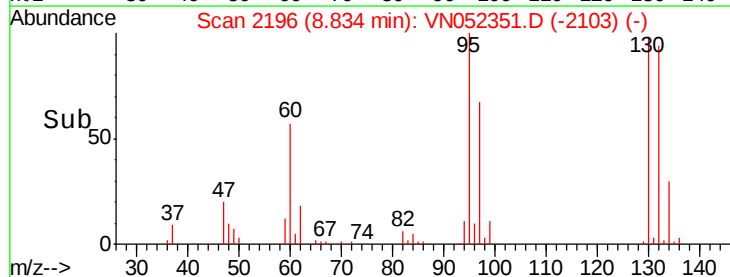
60000

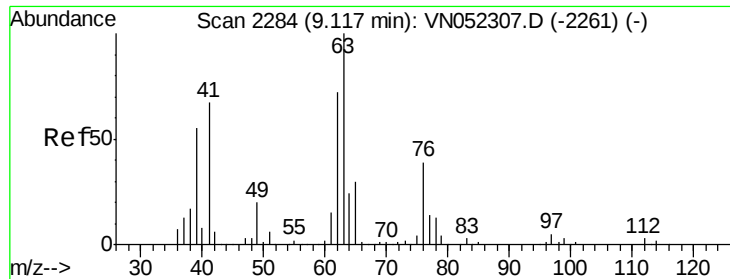
40000

20000

0

Time-->

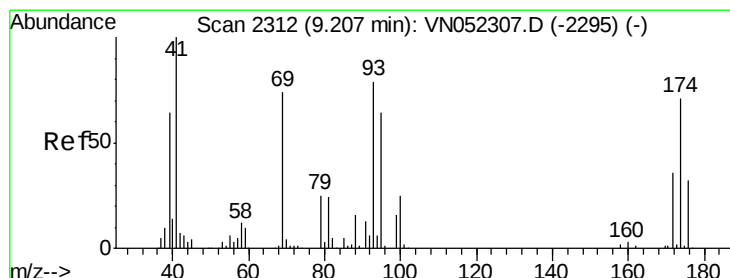
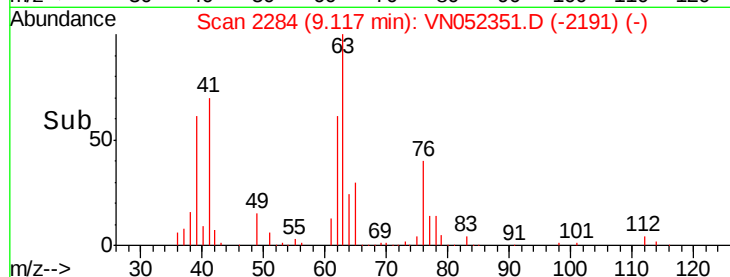
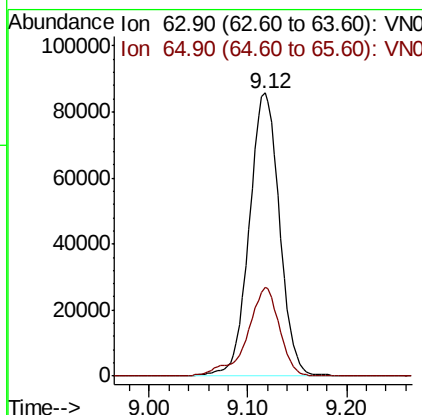
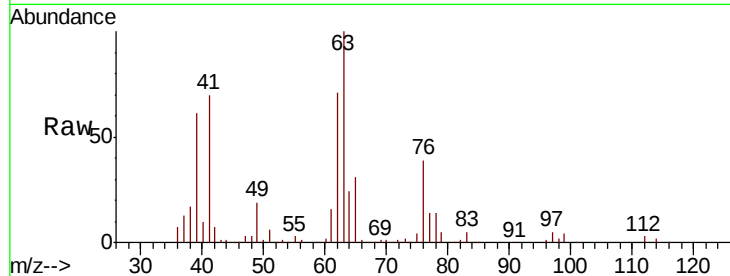




#45
 1,2-Dichloropropane
 Concen: 49.567 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

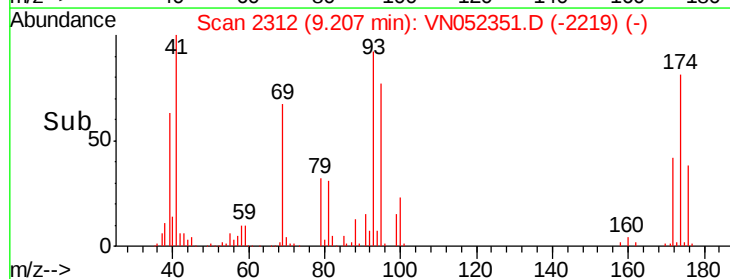
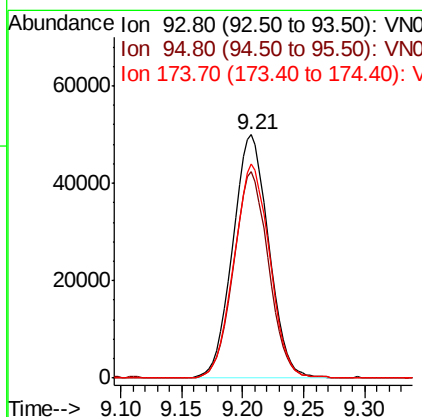
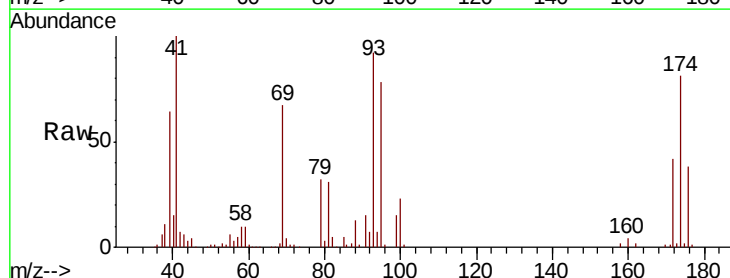
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

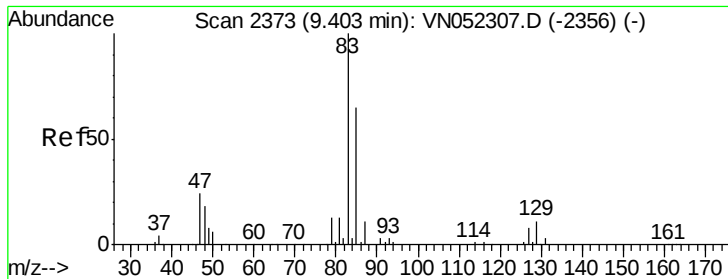
Tot Ion: 63 Resp: 181186
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.4



#46
 Dibromomethane
 Concen: 48.389 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 93 Resp: 102395
 Ion Ratio Lower Upper
 93 100
 95 82.2 64.2 96.2
 174 86.9 70.9 106.3





#47

Bromodichloromethane

Concen: 53.555 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

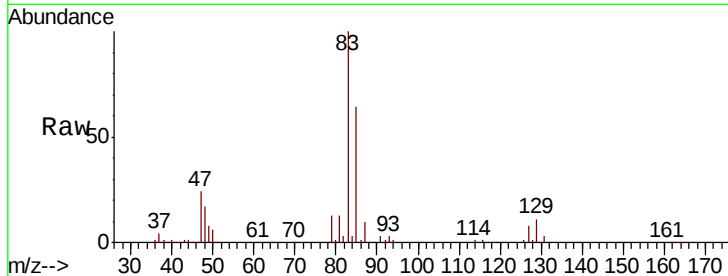
Tot Ion: 83 Resp: 232559

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4

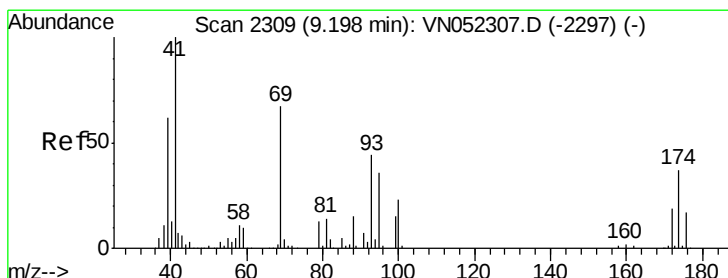
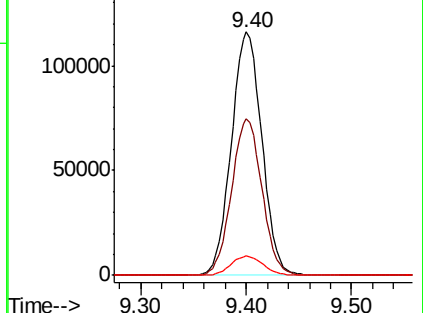
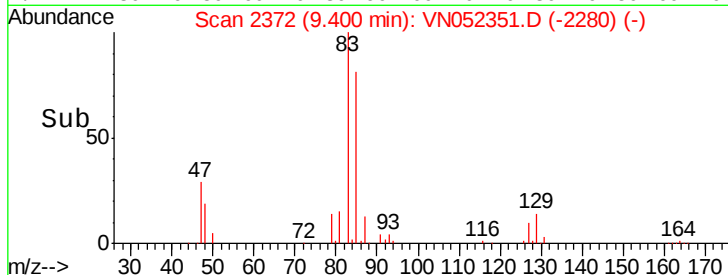
127 7.8 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN052307.D (-2356) (-)



#48

Methyl methacrylate

Concen: 44.167 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

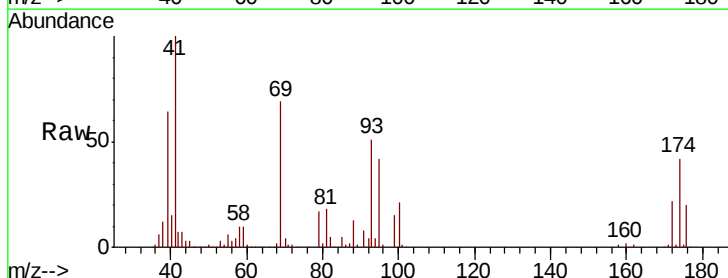
Tgt Ion: 41 Resp: 141508

Ion Ratio Lower Upper

41 100

69 71.1 57.1 85.7

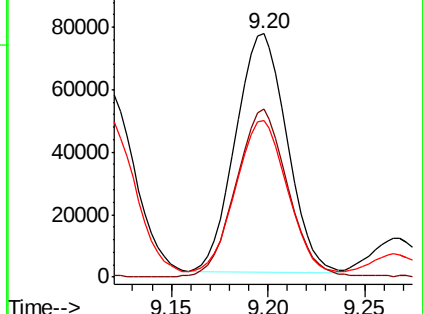
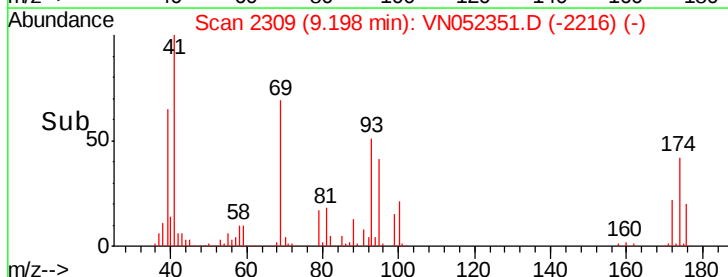
39 67.4 52.5 78.7

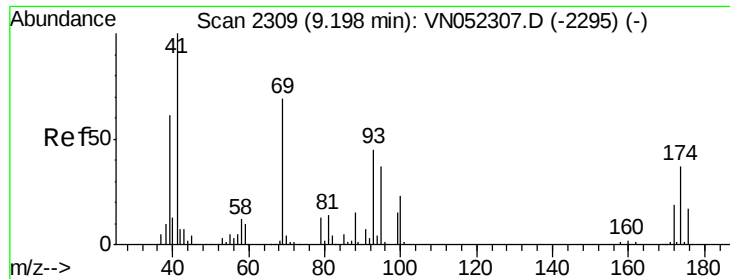


Abundance Ion 41.00 (40.70 to 41.70): VN052307.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052307.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052307.D (-2297) (-)





#49

1,4-Dioxane

Concen: 858.922 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

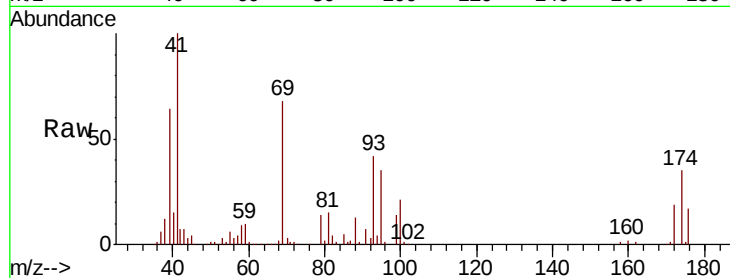
Tot Ion: 88 Resp: 21125

Ion Ratio Lower Upper

88 100

43 42.9 33.3 49.9

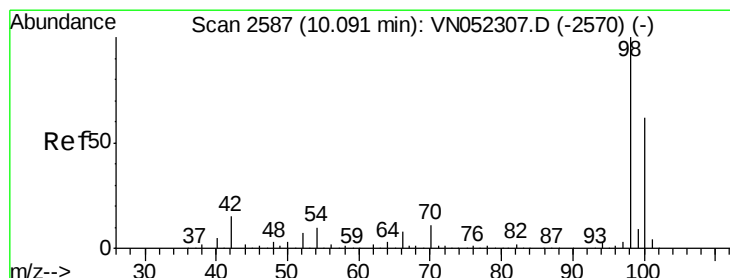
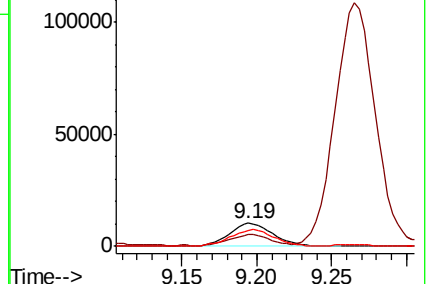
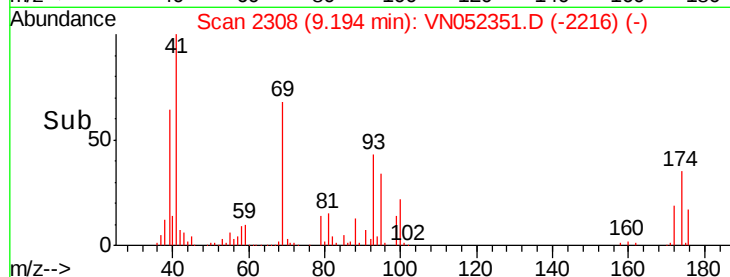
58 73.5 59.2 88.8



Abundance Ion 88.00 (87.70 to 88.70): VN052307.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN052307.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2295) (-)



#50

Toluene-d8

Concen: 858.922 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052351.D

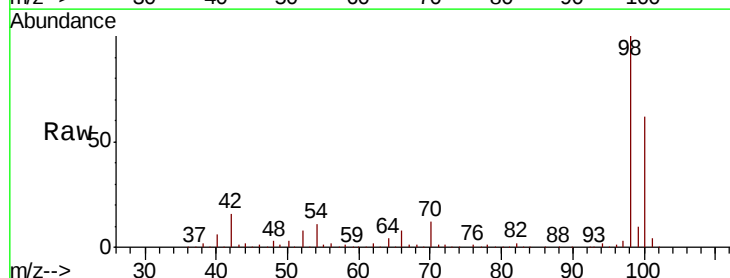
Acq: 16 Nov 2018 8:16

Tgt Ion: 98 Resp: 574381

Ion Ratio Lower Upper

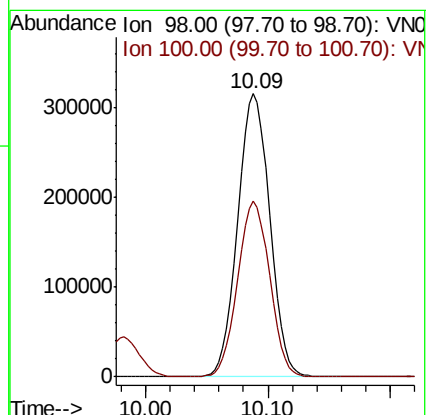
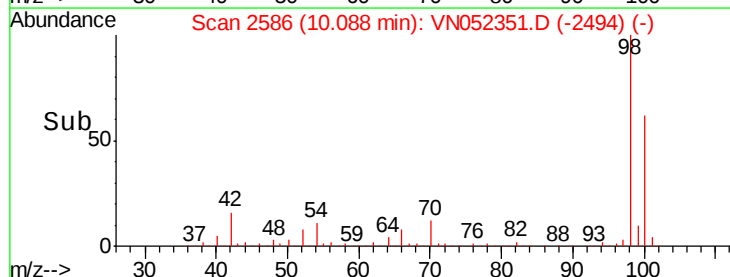
98 100

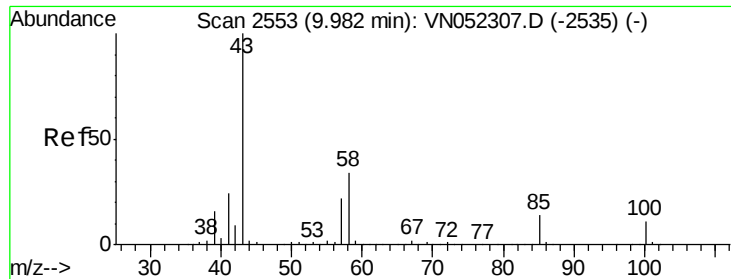
100 61.8 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 229.663 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

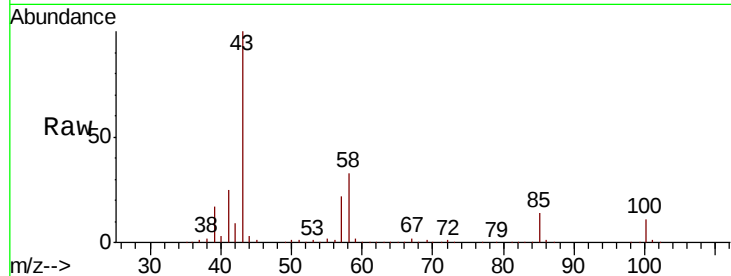
VSTDCCC050

Tot Ion: 43 Resp: 729949

Ion Ratio Lower Upper

43 100

58 33.2 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

9.98

400000

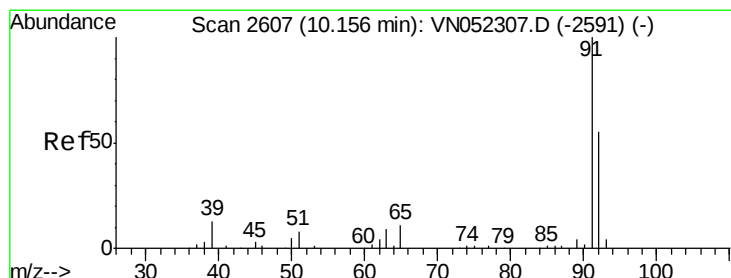
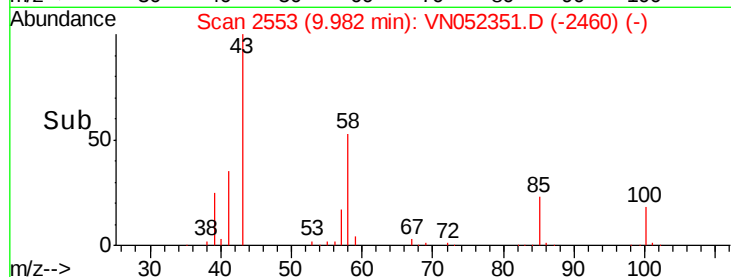
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.773 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052351.D

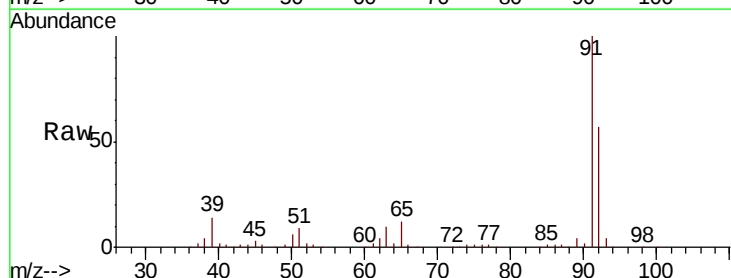
Acq: 16 Nov 2018 8:16

Tgt Ion: 92 Resp: 398920

Ion Ratio Lower Upper

92 100

91 177.0 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

10.15

400000

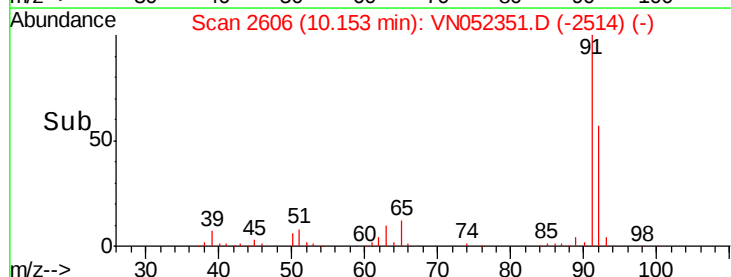
300000

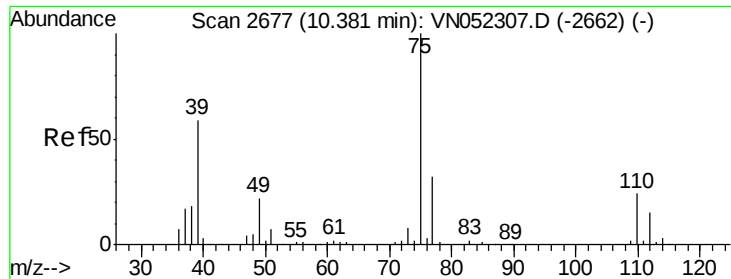
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.239 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

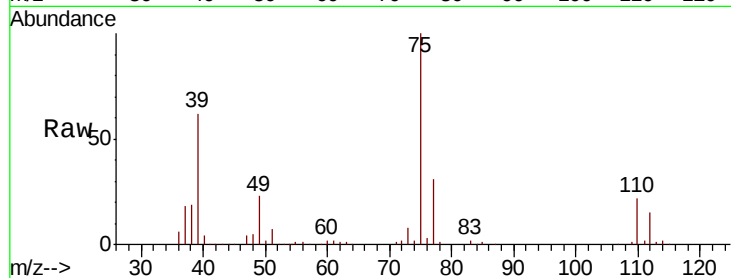
VSTDCCC050

Tot Ion: 75 Resp: 233163

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

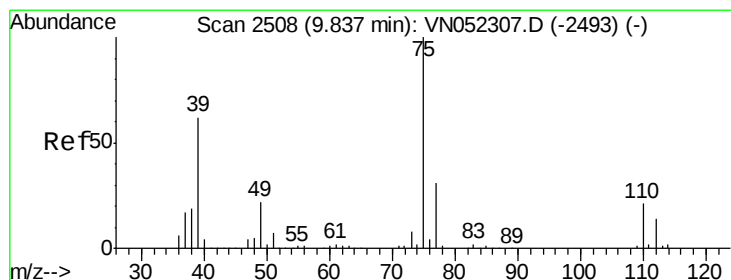
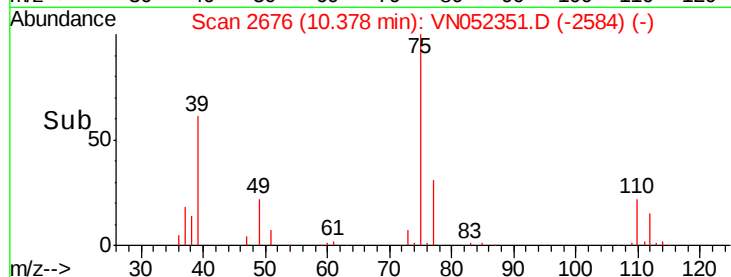
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.305 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

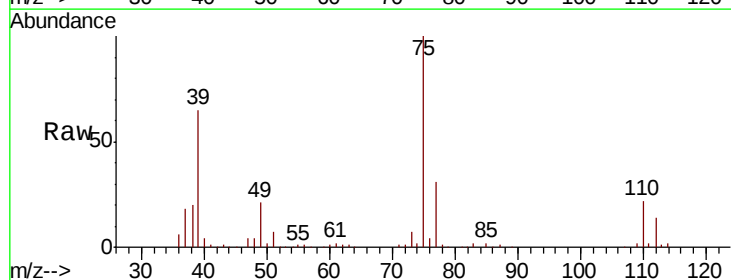
Tgt Ion: 75 Resp: 266130

Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

39 64.5 49.9 74.9



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

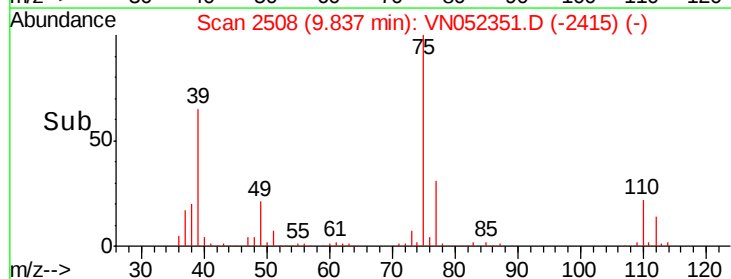
150000

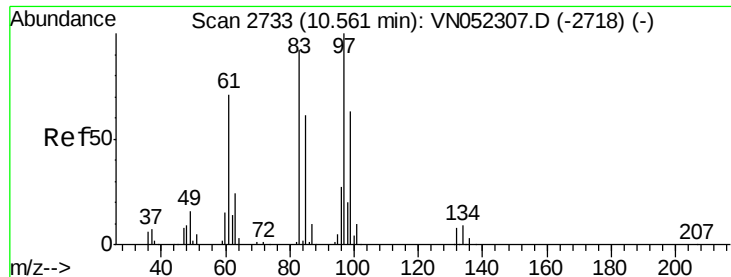
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.239 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 97 Resp: 134743

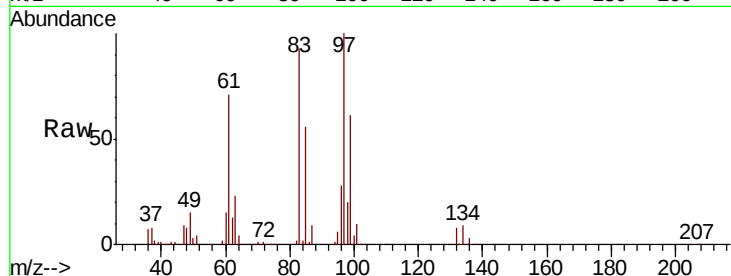
Ion Ratio Lower Upper

97 100

83 93.0 73.8 110.6

85 56.3 49.0 73.4

99 61.3 50.5 75.7

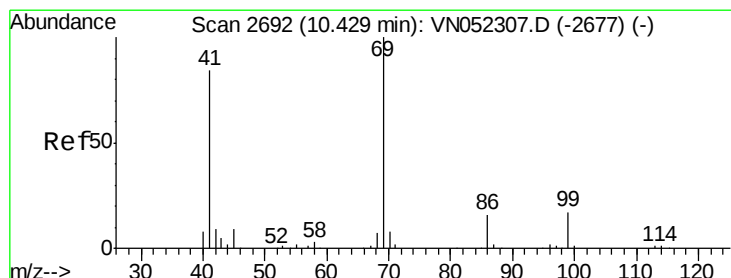
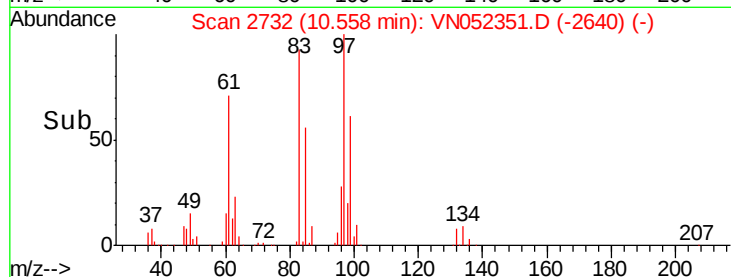
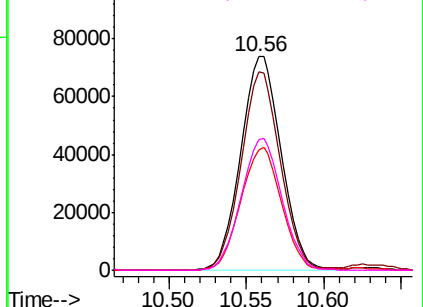


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 48.709 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

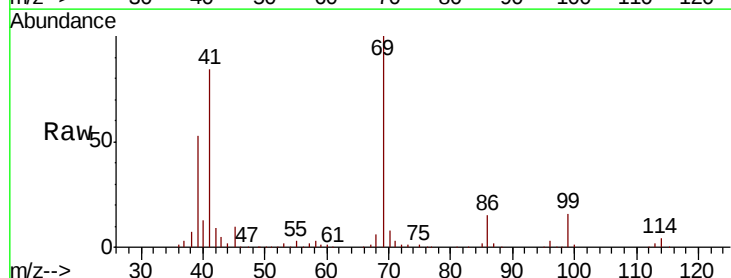
Tgt Ion: 69 Resp: 178932

Ion Ratio Lower Upper

69 100

41 83.9 64.8 97.2

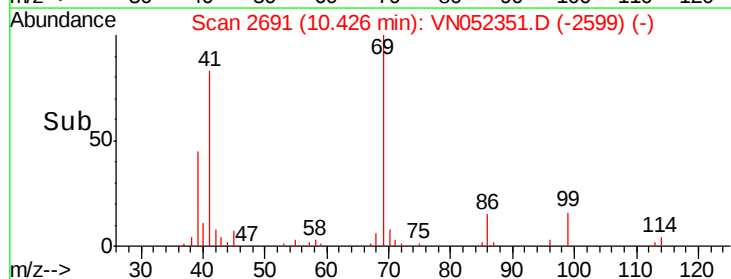
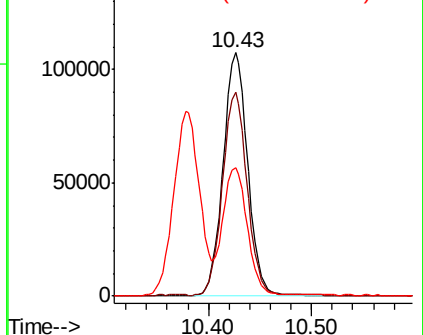
39 52.5 41.0 61.6

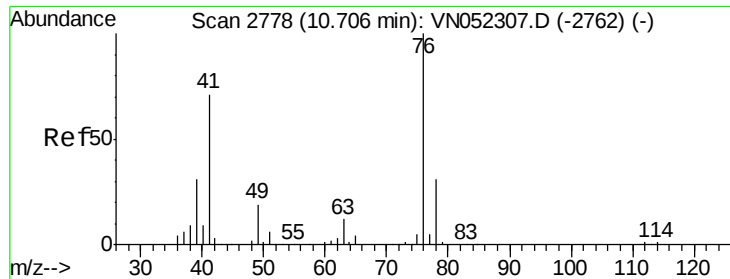


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

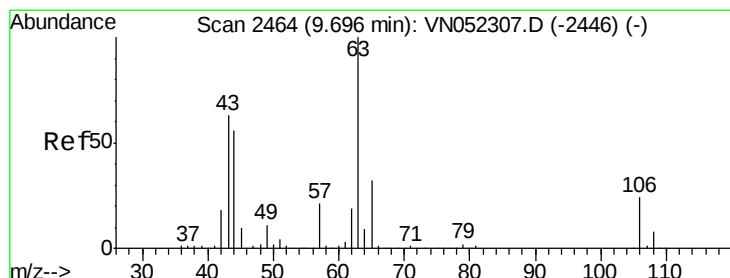
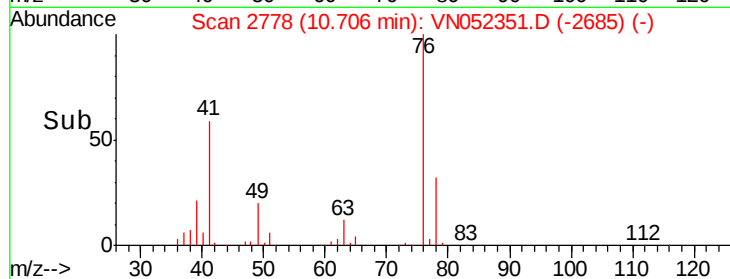
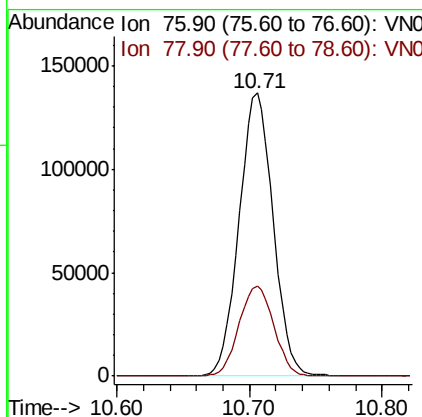
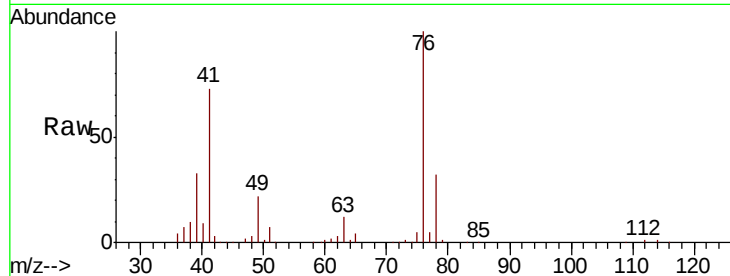




#57
 1,3-Dichloropropane
 Concen: 49.295 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

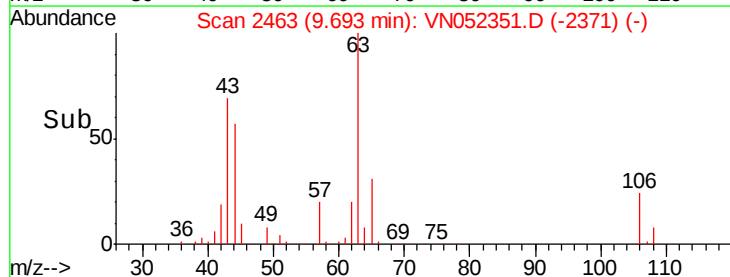
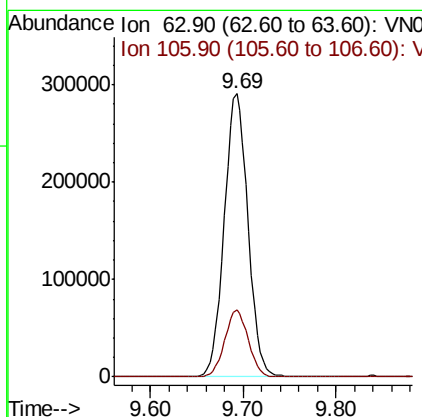
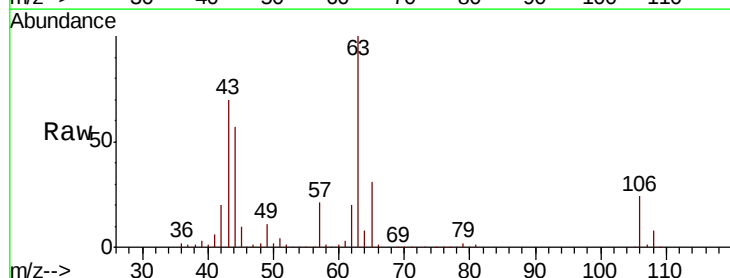
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

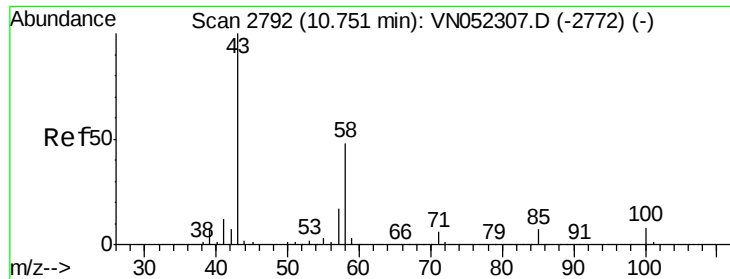
Tot Ion: 76 Resp: 243893
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.532 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 63 Resp: 515595
 Ion Ratio Lower Upper
 63 100
 106 23.3 19.3 28.9

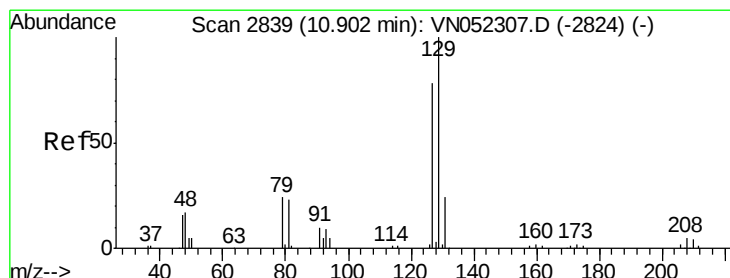
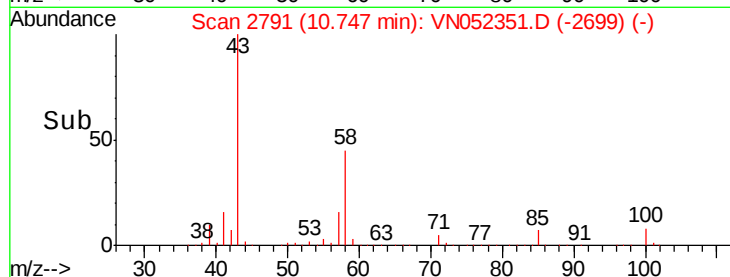
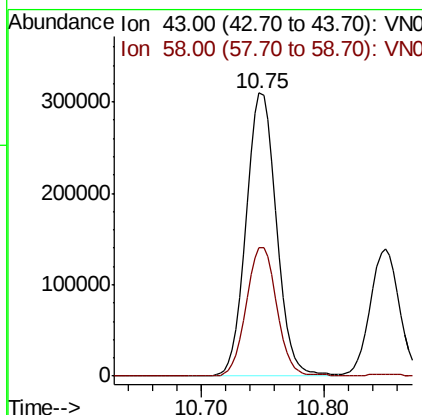
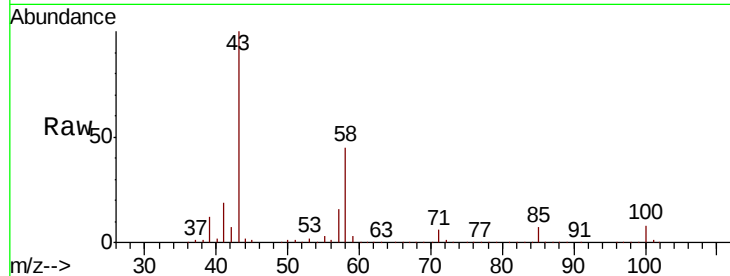




#59
2-Hexanone
Concen: 240.954 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

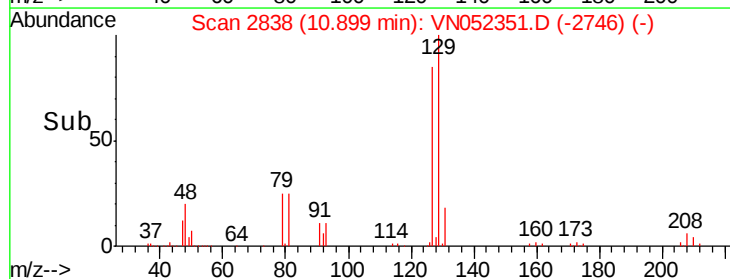
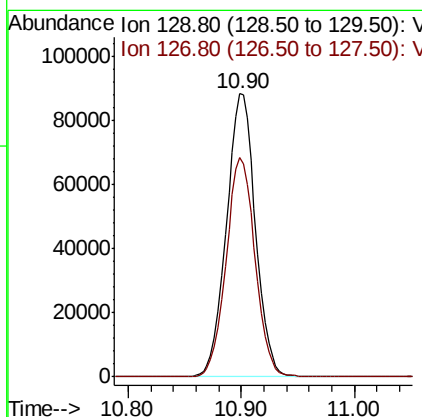
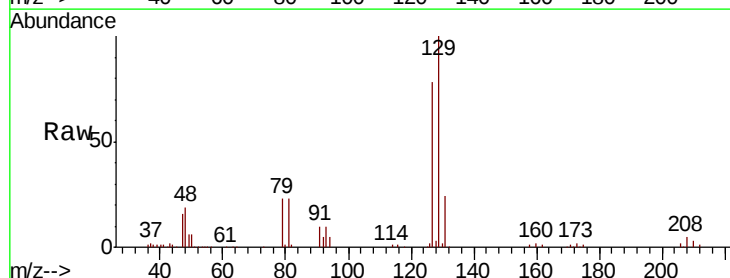
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

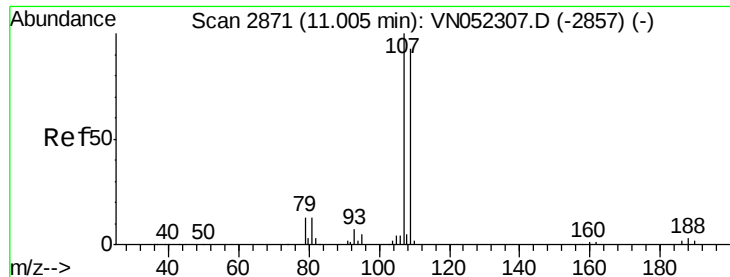
Tot Ion: 43 Resp: 526766
Ion Ratio Lower Upper
43 100
58 46.2 23.5 70.6



#60
Dibromochloromethane
Concen: 52.137 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 129 Resp: 157564
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

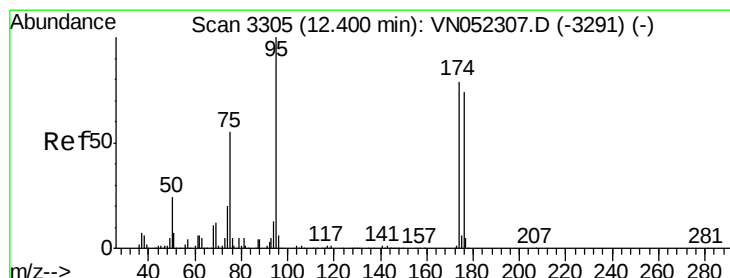
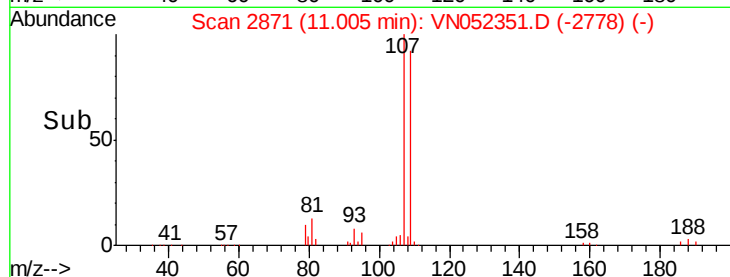
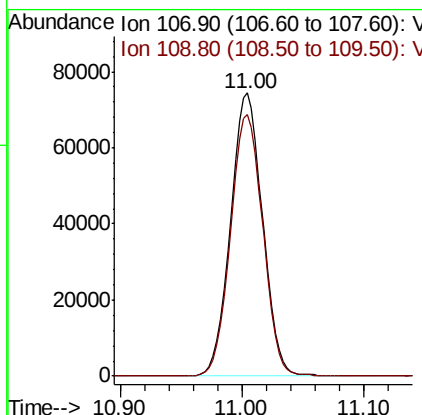
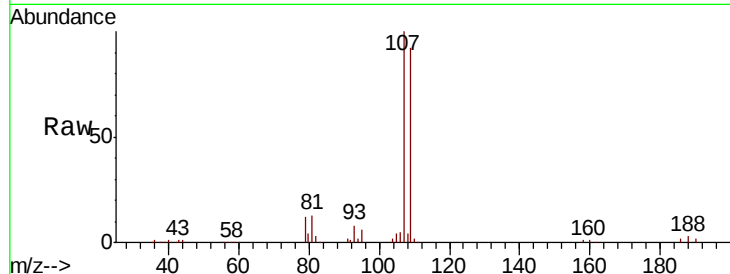




#61
 1,2-Dibromoethane
 Concen: 48.677 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

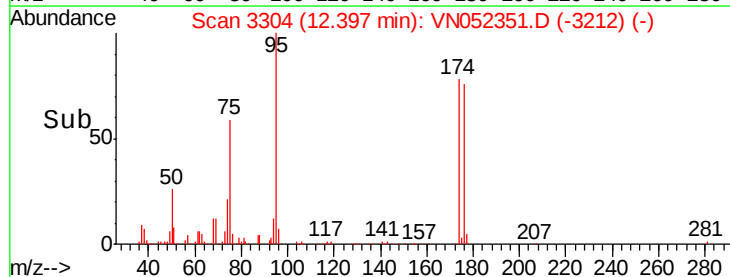
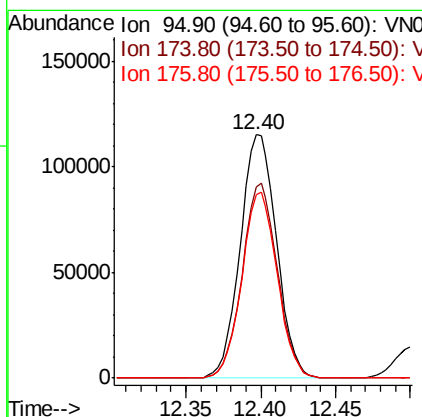
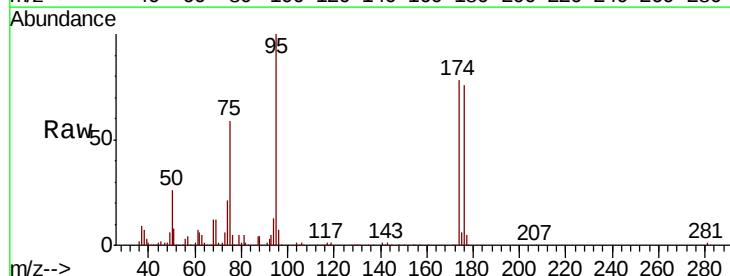
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

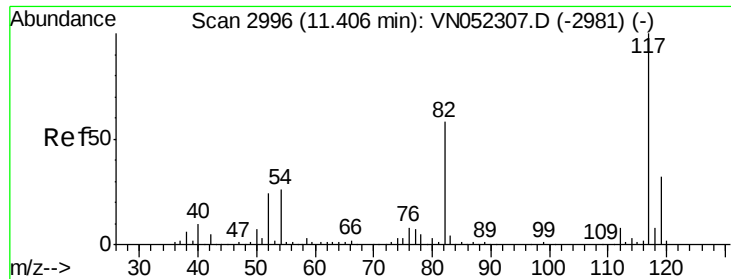
Tot Ion: 107 Resp: 135437
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 48.677 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 95 Resp: 194754
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 156.0
 176 74.4 0.0 148.4

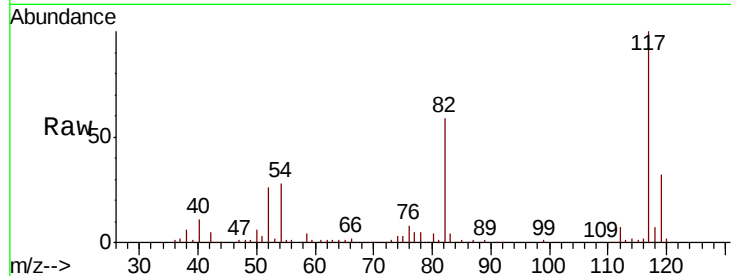




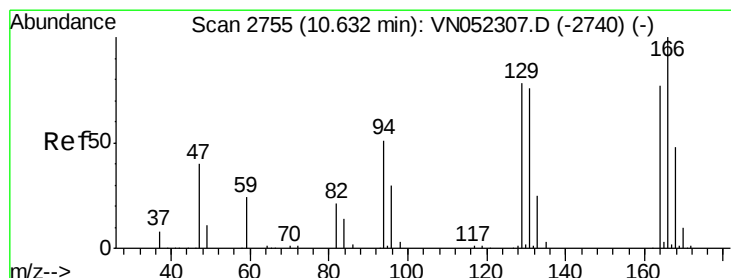
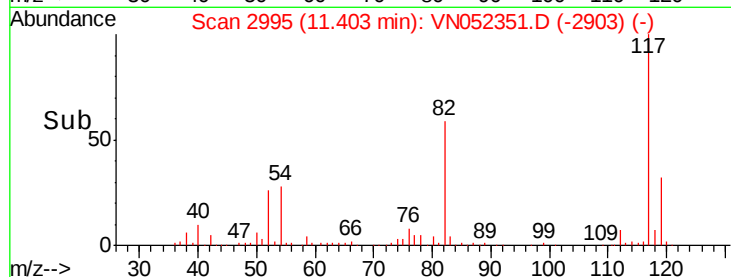
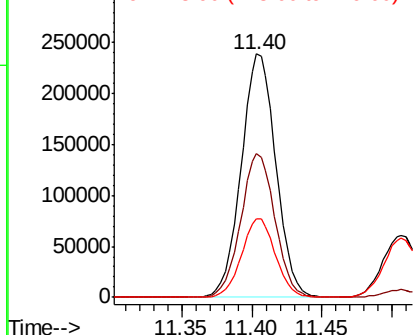
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 411266
Ion Ratio Lower Upper
117 100
82 59.2 46.5 69.7
119 32.5 25.7 38.5

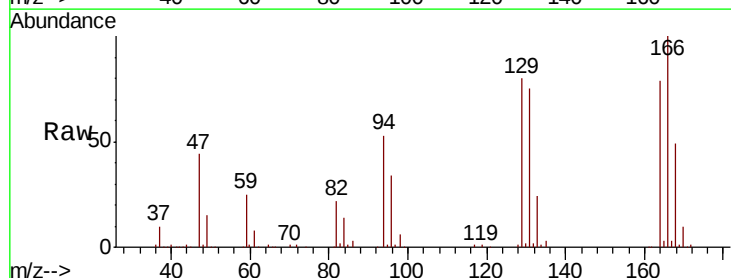


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

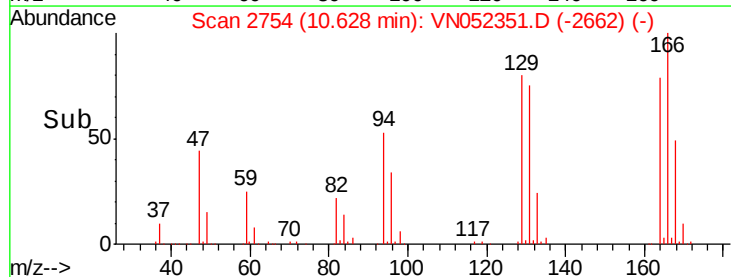
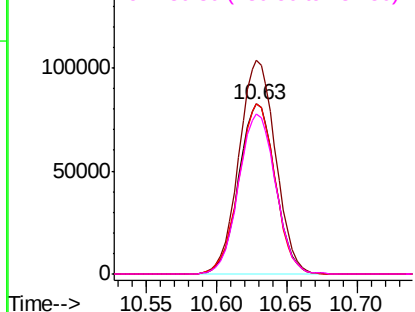


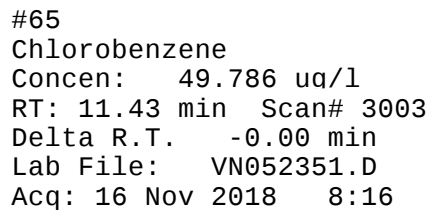
#64
Tetrachloroethene
Concen: 51.024 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion:164 Resp: 149185
Ion Ratio Lower Upper
164 100
166 125.9 103.8 155.6
129 100.4 80.7 121.1
131 94.6 78.5 117.7



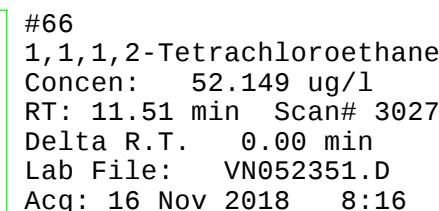
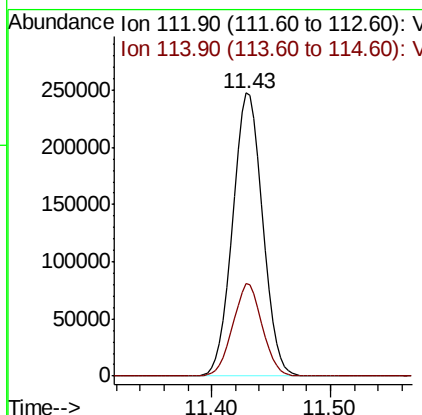
Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



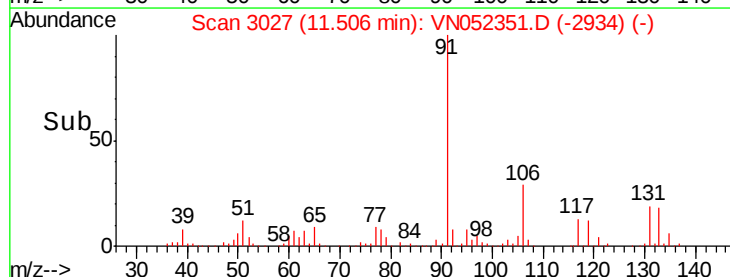
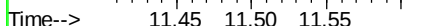
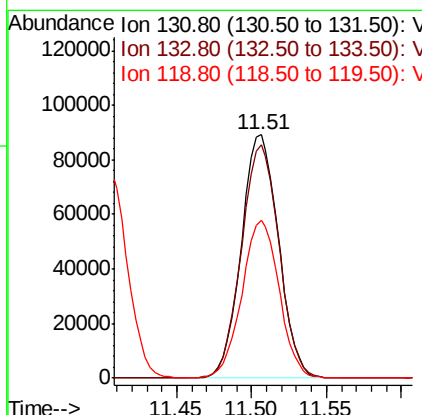


Instrument : MSVOA_N
ClientSampleId : VSTDCCC050

Tot	Ion:112	Resp:	432799
Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.9	38.9



Tgt	Ion:131	Resp:	154591
Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.4	142.3
119	64.8	33.3	99.9

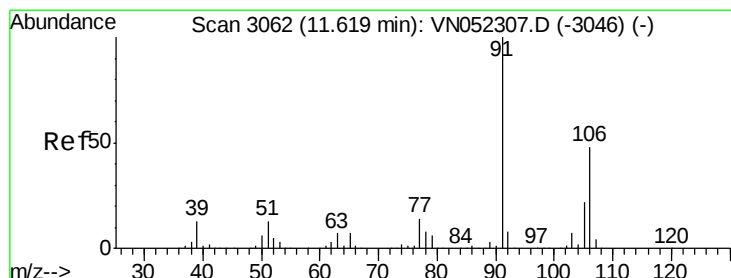
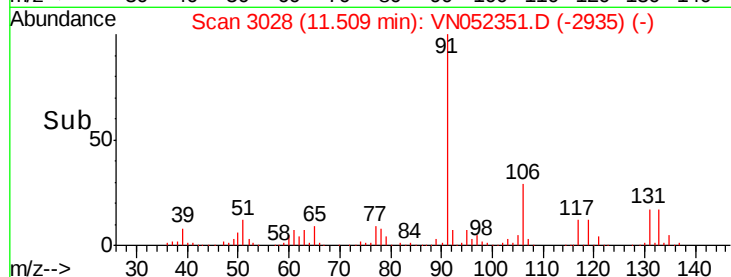
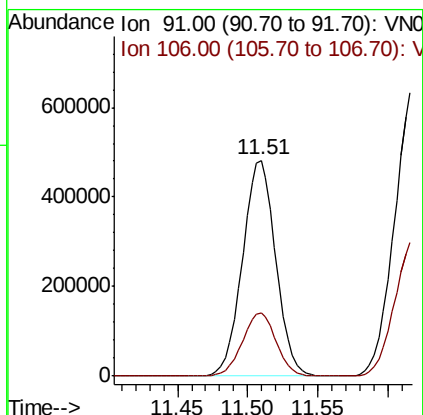
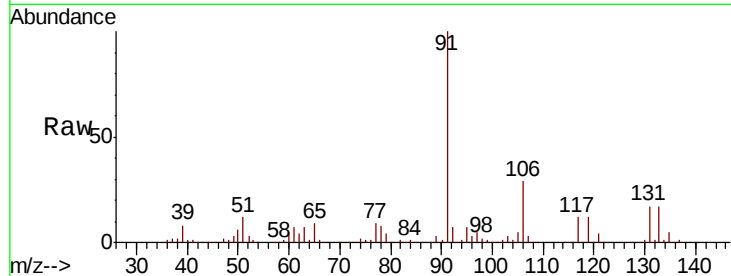




#67
Ethyl Benzene
Concen: 52.579 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

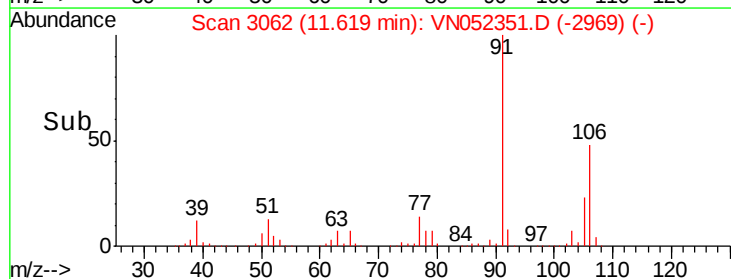
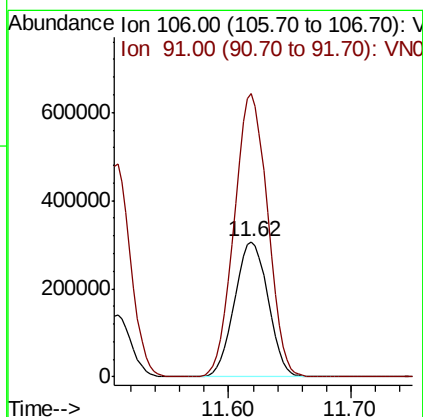
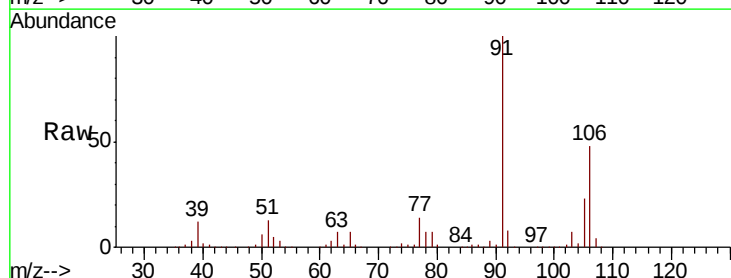
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

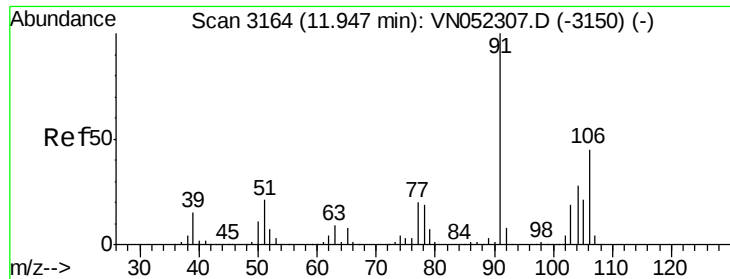
Tot Ion: 91 Resp: 793304
Ion Ratio Lower Upper
91 100
106 29.2 24.2 36.2



#68
m/p-Xylenes
Concen: 105.978 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion: 106 Resp: 584234
Ion Ratio Lower Upper
106 100
91 208.4 165.5 248.3

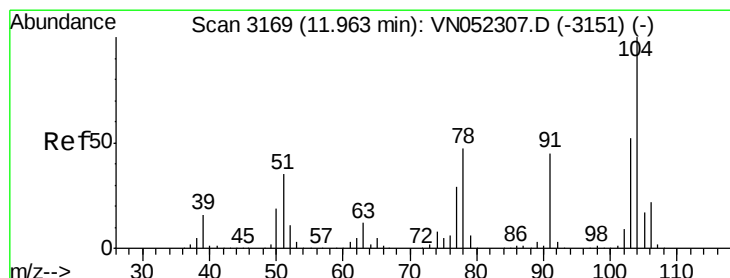
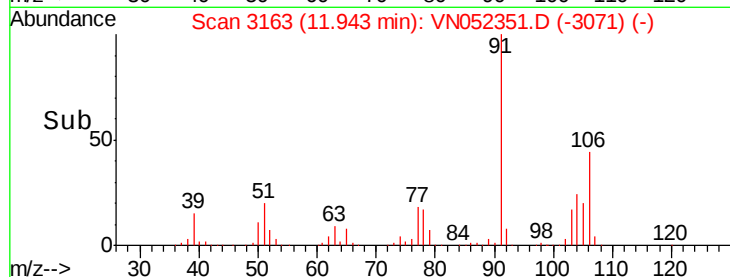
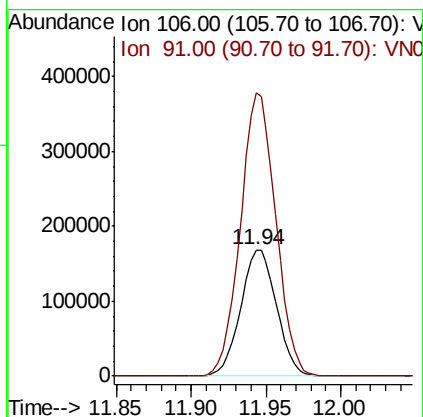
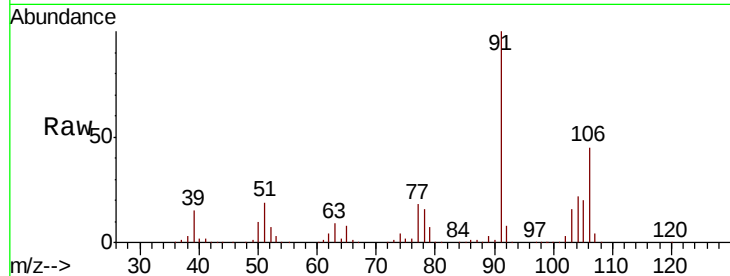




#69
o-Xylene
Concen: 53.057 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

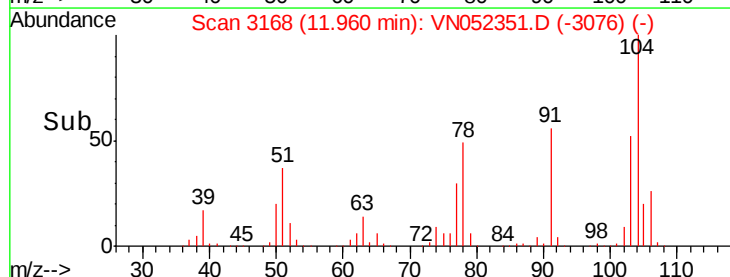
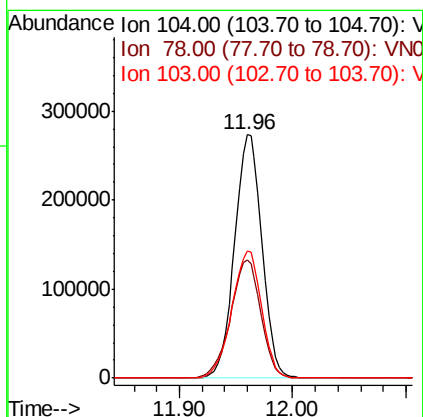
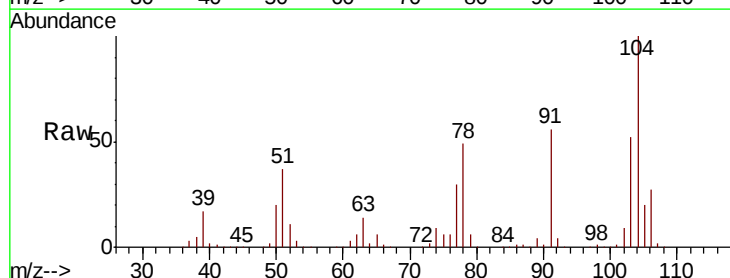
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

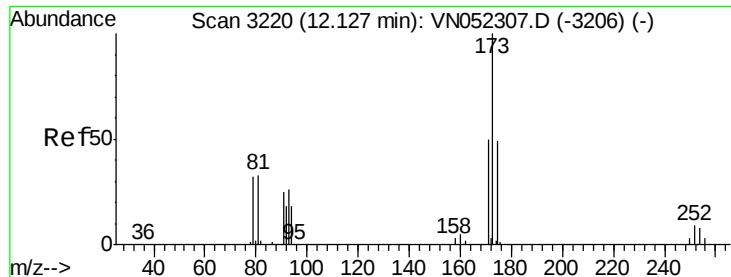
Tot Ion:106 Resp: 280376
Ion Ratio Lower Upper
106 100
91 221.6 110.0 330.0



#70
Styrene
Concen: 54.431 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion:104 Resp: 460565
Ion Ratio Lower Upper
104 100
78 53.6 42.7 64.1
103 56.9 45.4 68.0

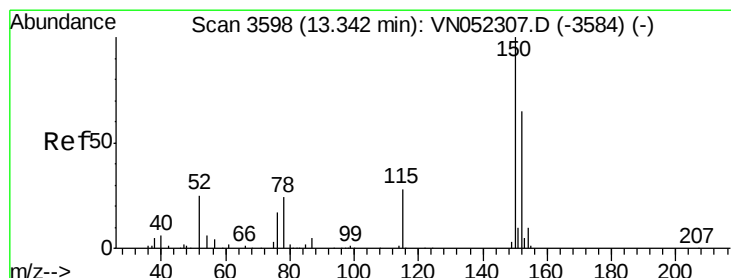
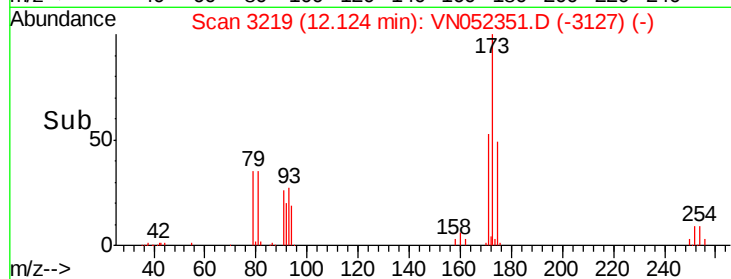
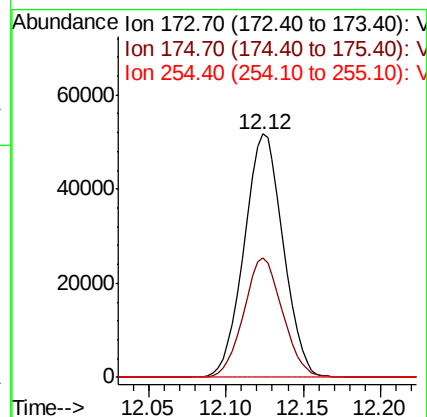
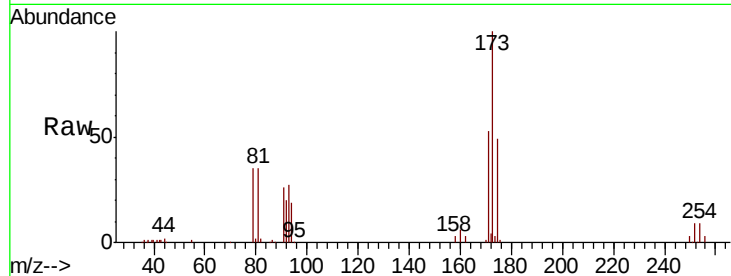




#71
Bromoform
Concen: 51.949 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

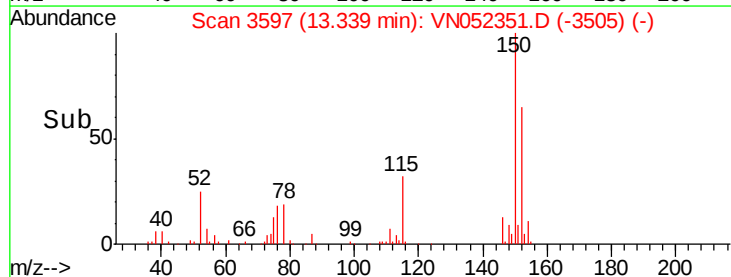
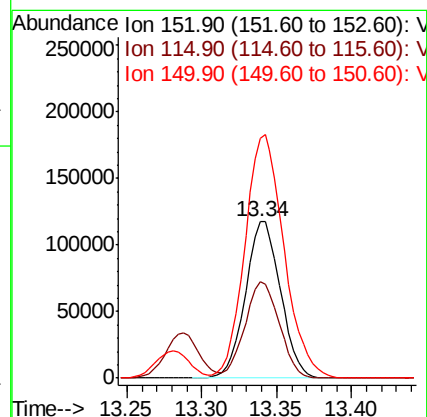
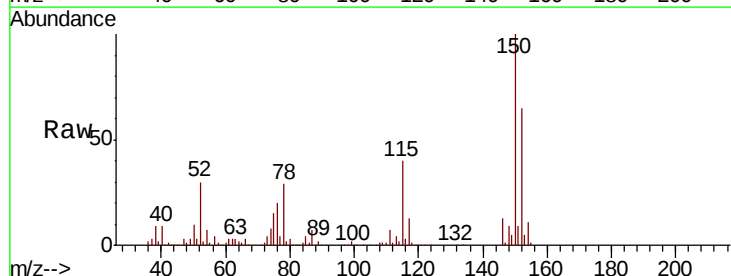
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

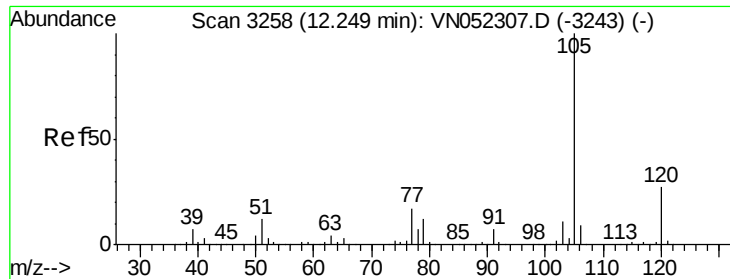
Tot Ion:173 Resp: 90925
Ion Ratio Lower Upper
173 100
175 48.8 25.0 75.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion:152 Resp: 191617
Ion Ratio Lower Upper
152 100
115 60.6 30.3 91.0
150 173.5 0.0 348.2





#73

Isopropylbenzene

Concen: 50.585 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampled :

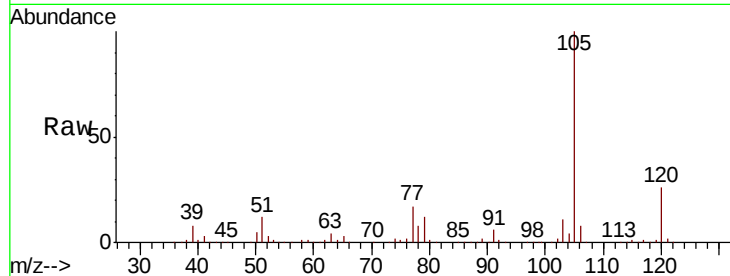
VSTDCCC050

Tot Ion:105 Resp: 779308

Ion Ratio Lower Upper

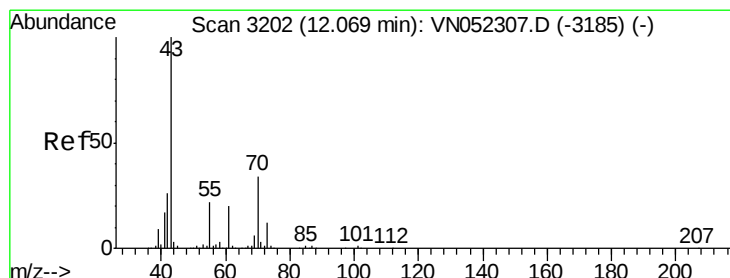
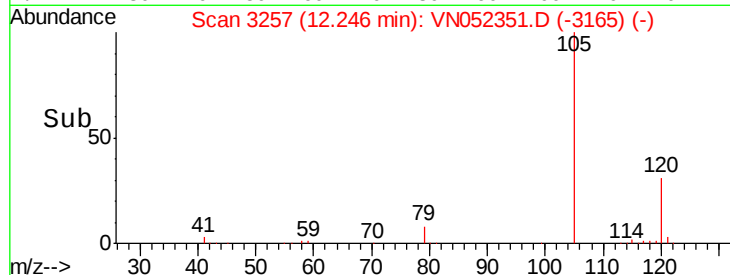
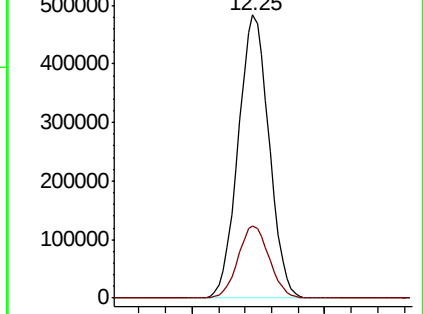
105 100

120 25.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.520 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Tgt Ion: 43 Resp: 255267

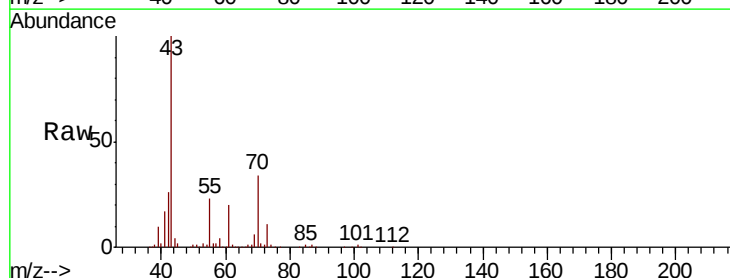
Ion Ratio Lower Upper

43 100

70 34.2 27.1 40.7

55 22.6 17.4 26.0

61 19.9 16.1 24.1

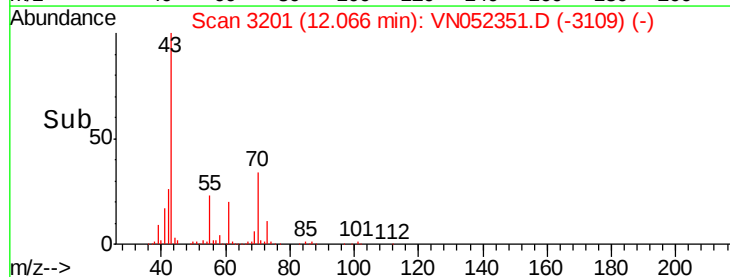
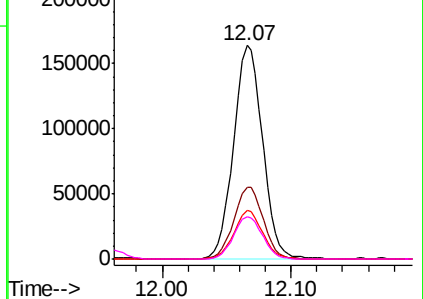


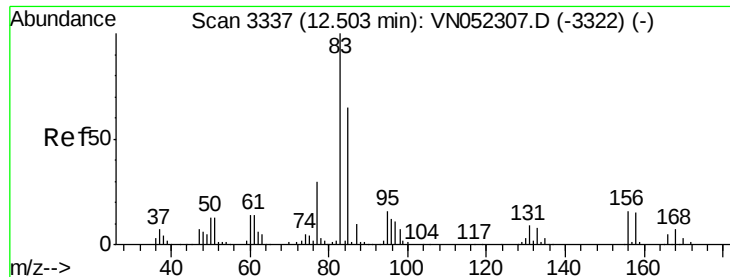
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 42.597 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

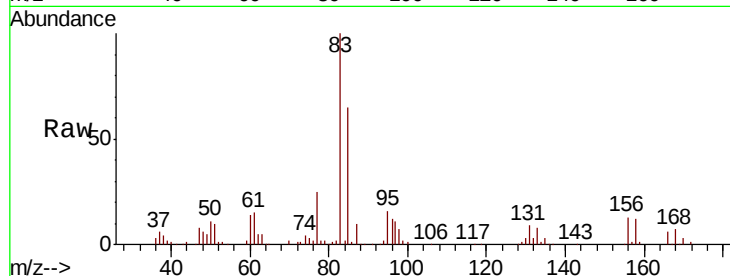
Tot Ion: 83 Resp: 158639

Ion Ratio Lower Upper

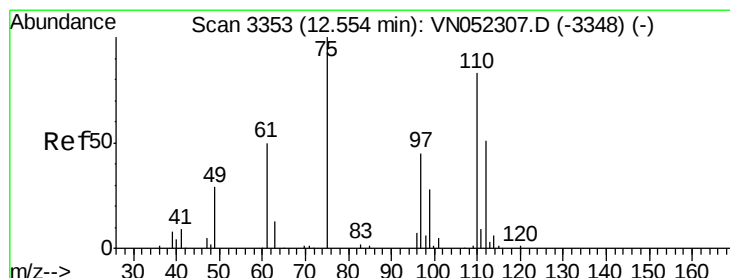
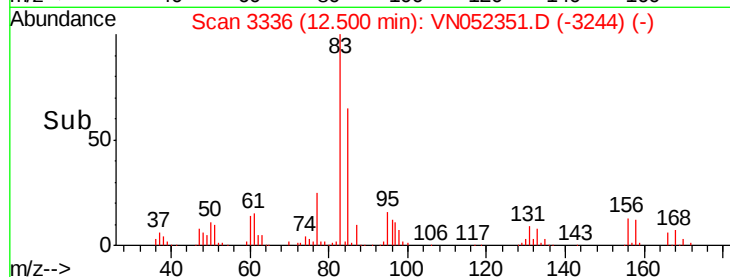
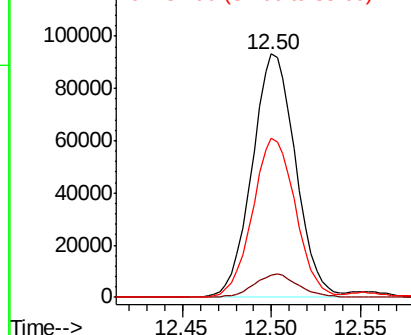
83 100

131 9.8 4.7 14.1

85 64.7 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 67.419 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052351.D

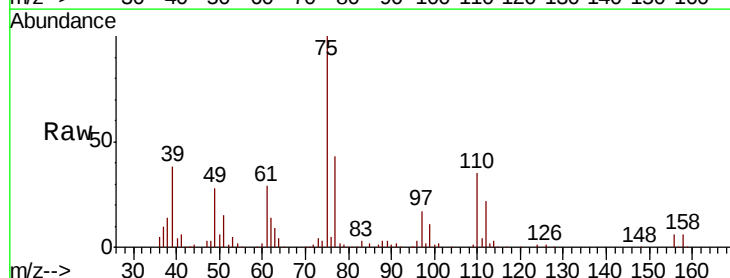
Acq: 16 Nov 2018 8:16

Tgt Ion: 75 Resp: 219203

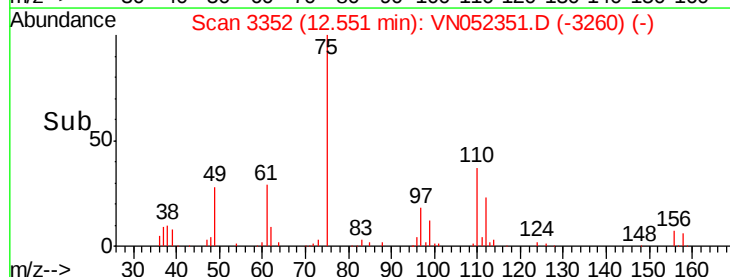
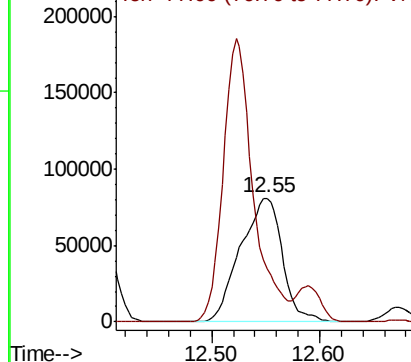
Ion Ratio Lower Upper

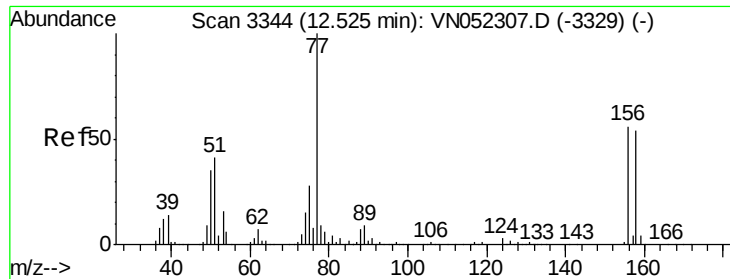
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 48.418 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

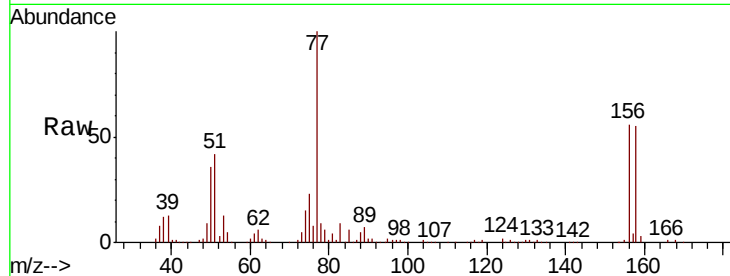
Tot Ion:156 Resp: 173559

Ion Ratio Lower Upper

156 100

77 208.1 103.6 310.9

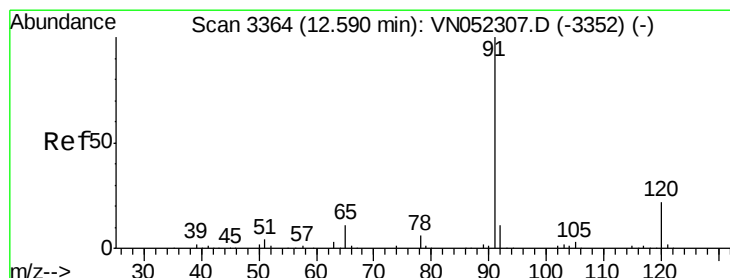
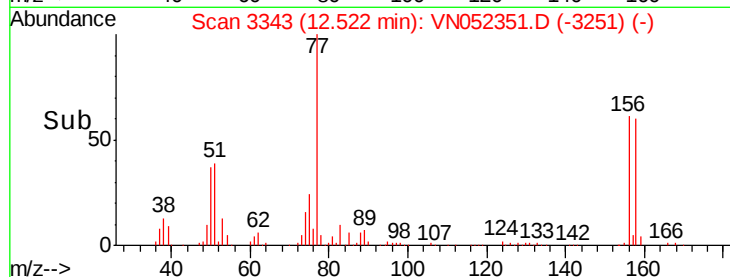
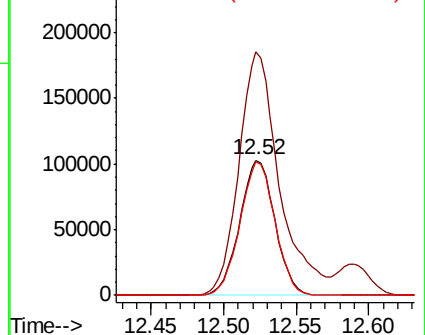
158 97.9 48.1 144.4



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: 51.853 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052351.D

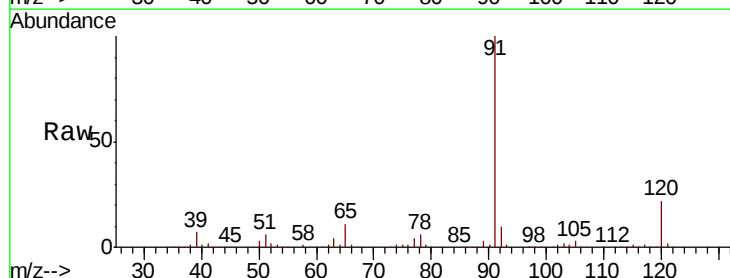
Acq: 16 Nov 2018 8:16

Tgt Ion: 91 Resp: 934266

Ion Ratio Lower Upper

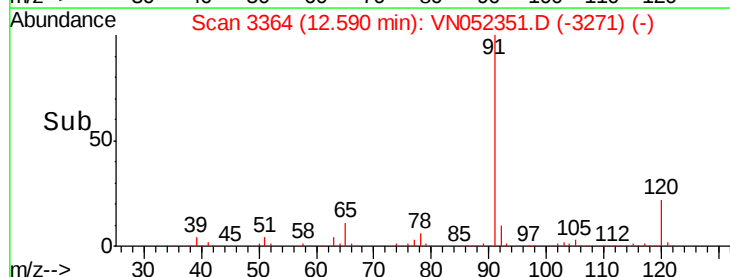
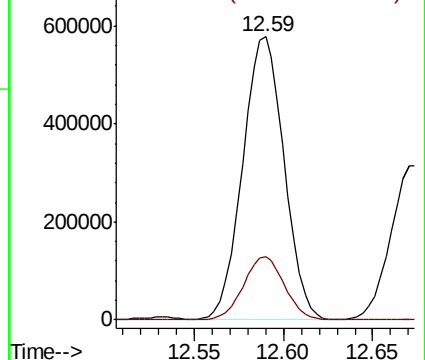
91 100

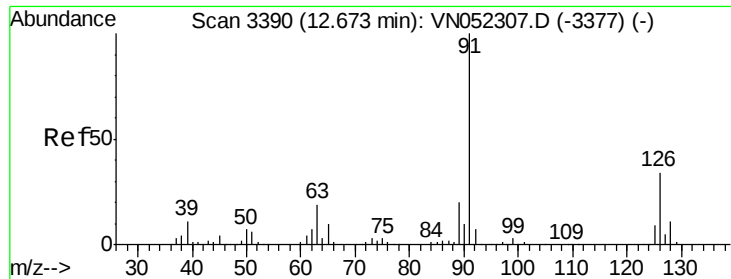
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

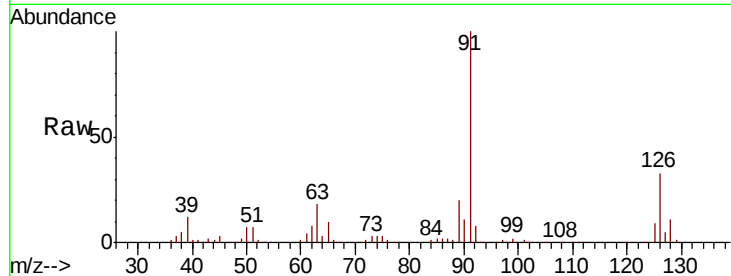




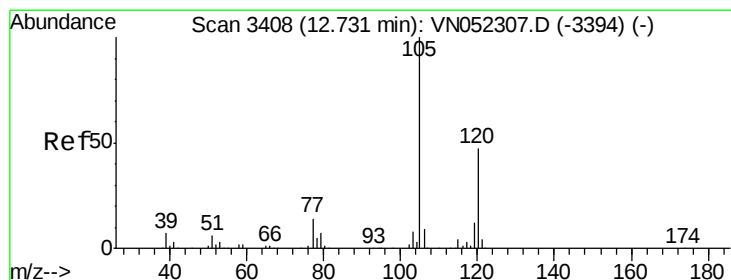
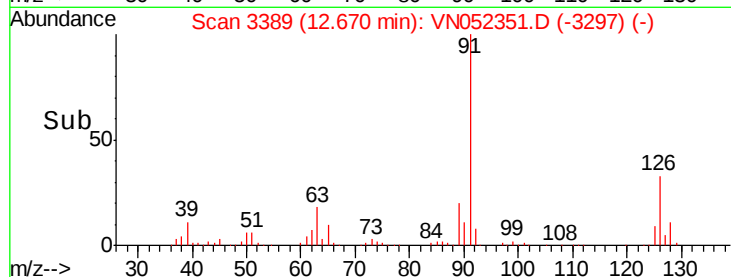
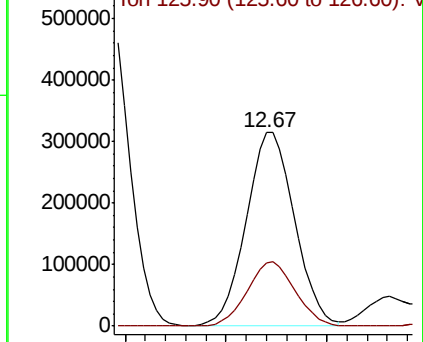
#79
 2-Chlorotoluene
 Concen: 49.979 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 526062
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.0 51.0

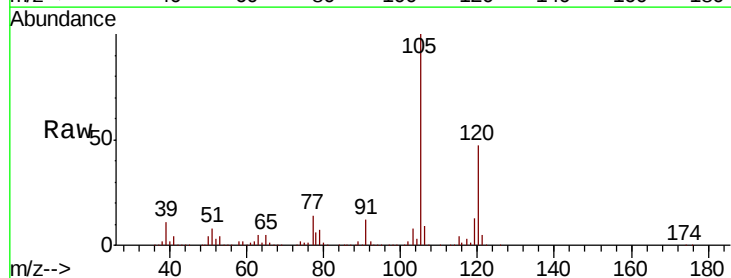


Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)
 Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)

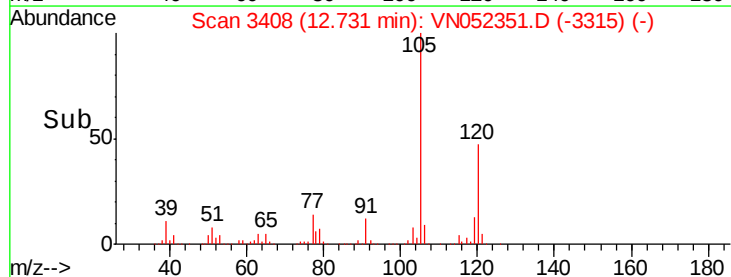
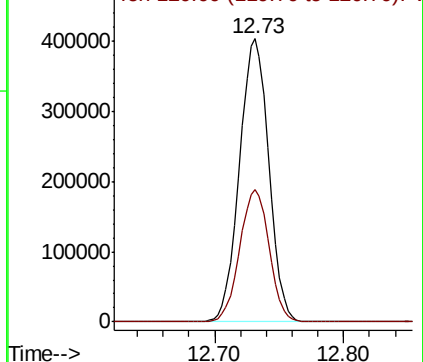


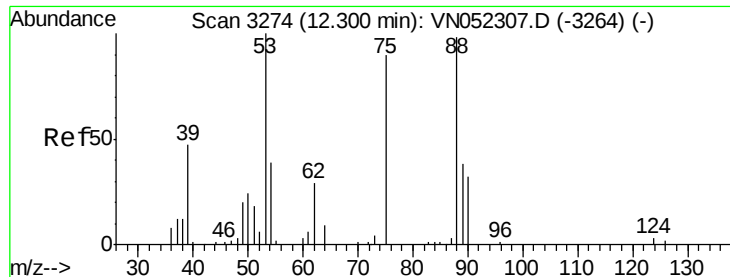
#80
 1,3,5-Trimethylbenzene
 Concen: 51.990 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion: 105 Resp: 636948
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)
 Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.201 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

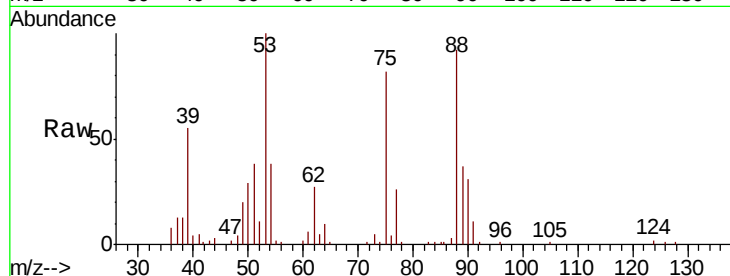
Tot Ion: 75 Resp: 47317

Ion Ratio Lower Upper

75 100

53 121.4 90.2 135.2

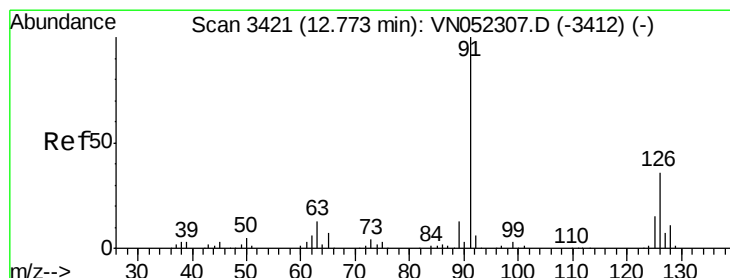
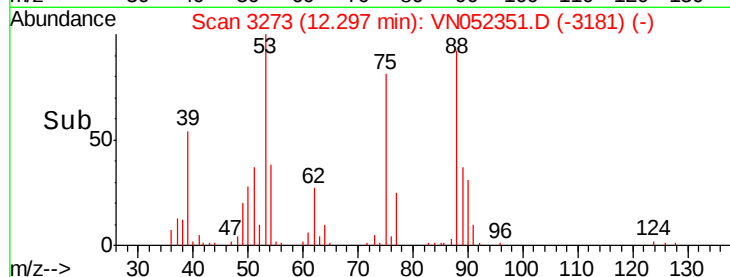
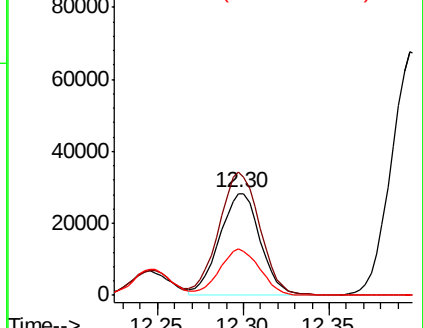
89 44.1 35.4 53.0



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: 50.035 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052351.D

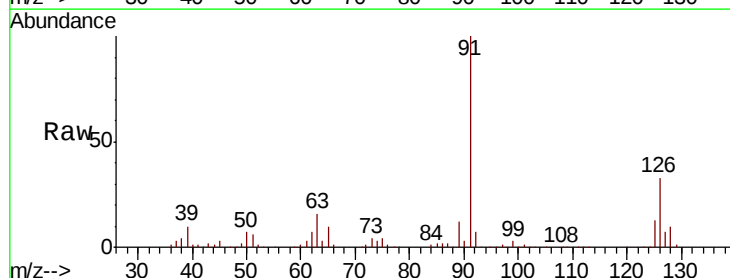
Acq: 16 Nov 2018 8:16

Tgt Ion: 91 Resp: 539559

Ion Ratio Lower Upper

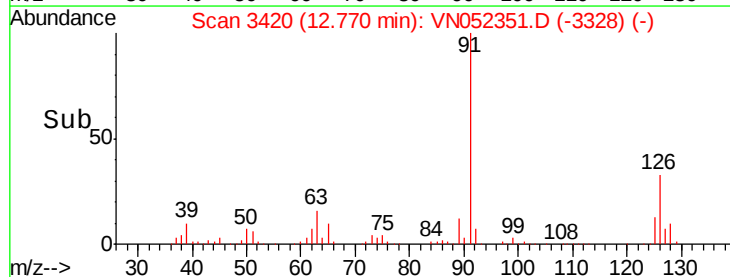
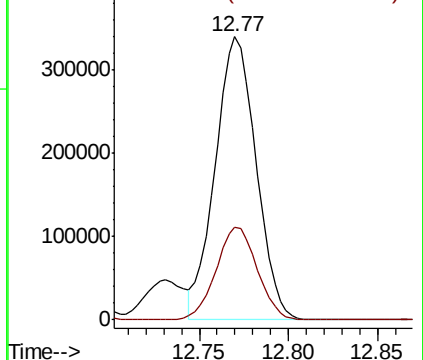
91 100

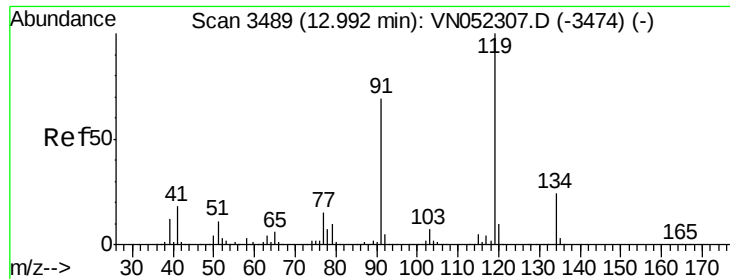
126 33.0 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

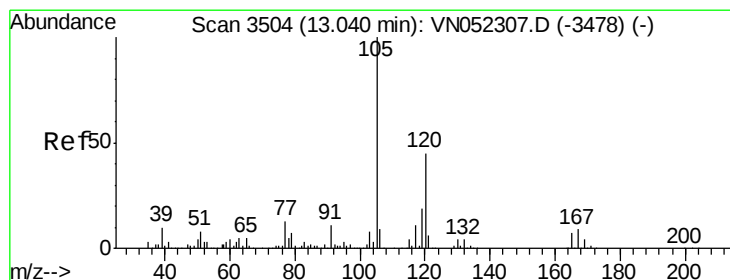
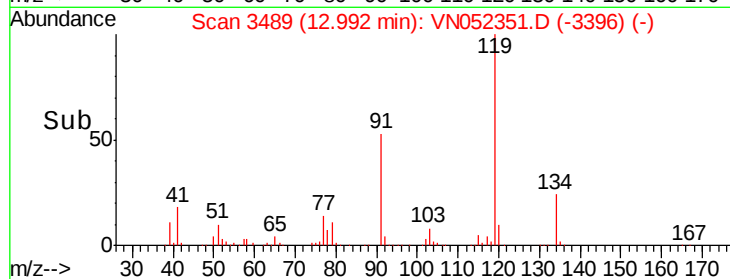
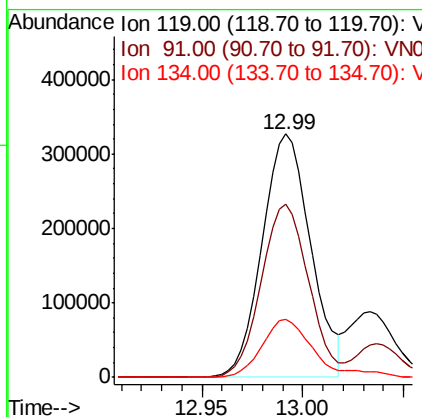
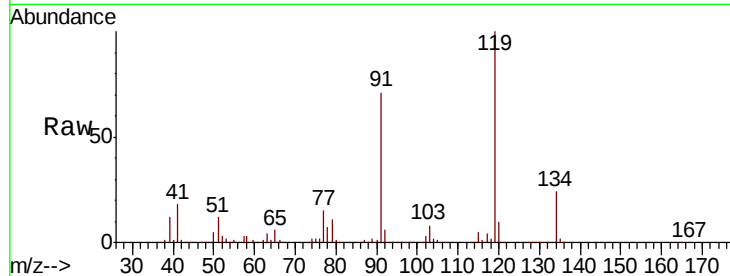




#83
tert-Butylbenzene
Concen: 50.634 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

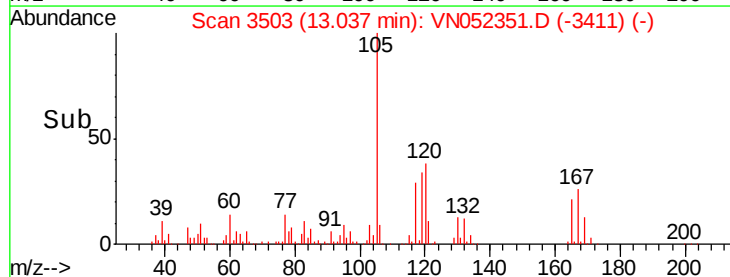
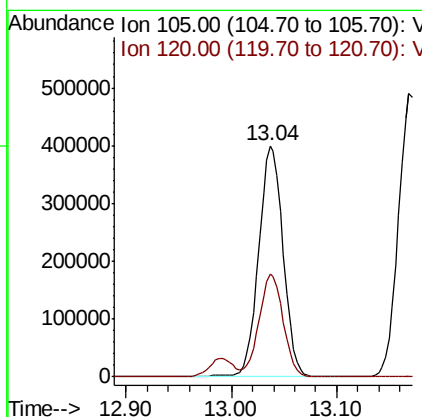
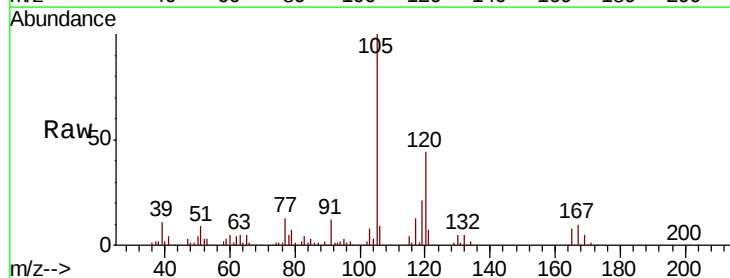
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

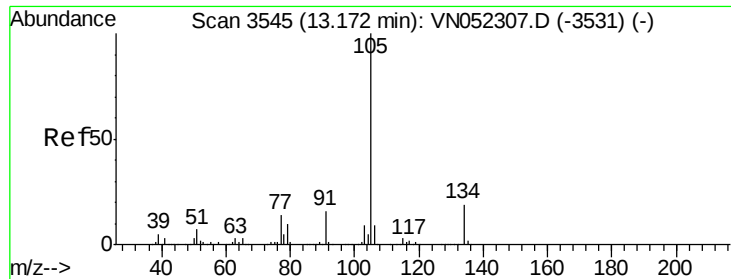
Tot Ion:119 Resp: 547670
Ion Ratio Lower Upper
119 100
91 69.7 33.8 101.3
134 25.6 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 52.463 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion:105 Resp: 645243
Ion Ratio Lower Upper
105 100
120 44.2 22.5 67.5





#85

sec-Butylbenzene

Concen: 52.236 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

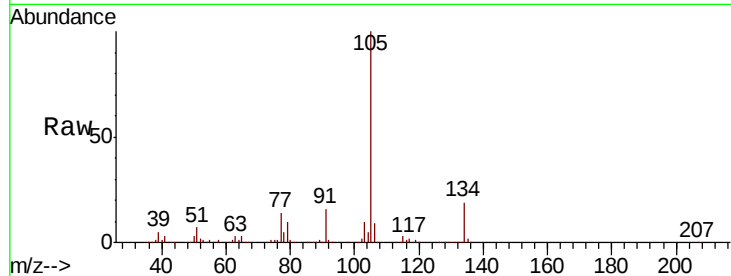
VSTDCCC050

Tot Ion:105 Resp: 769641

Ion Ratio Lower Upper

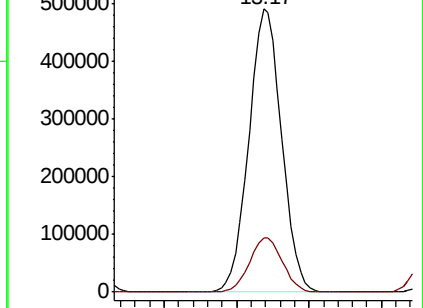
105 100

134 19.2 9.5 28.5

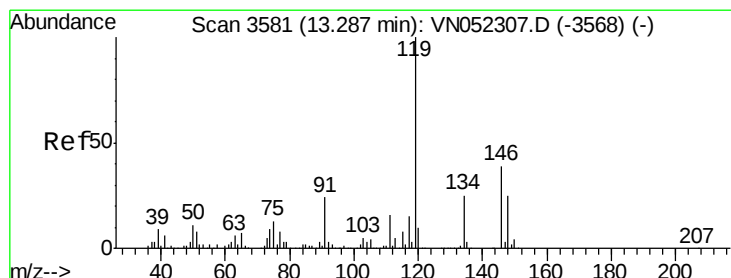
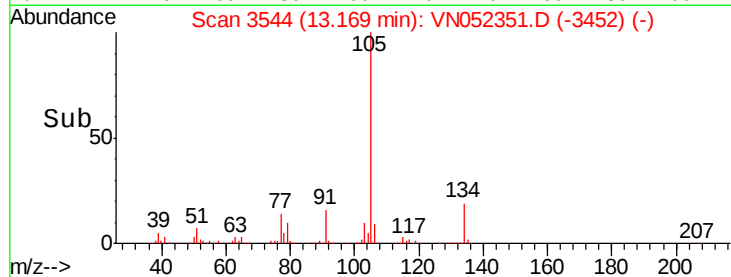


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 52.720 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

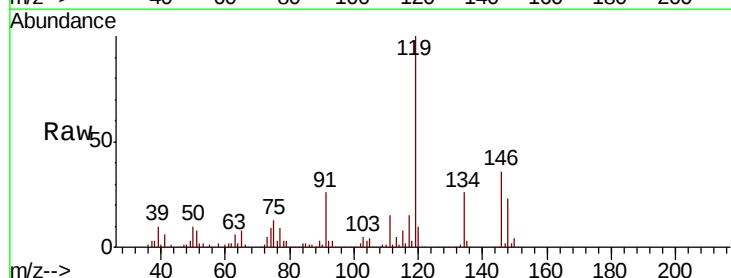
Tgt Ion:119 Resp: 657986

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

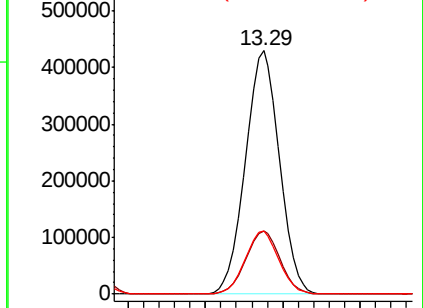
91 25.5 12.4 37.0



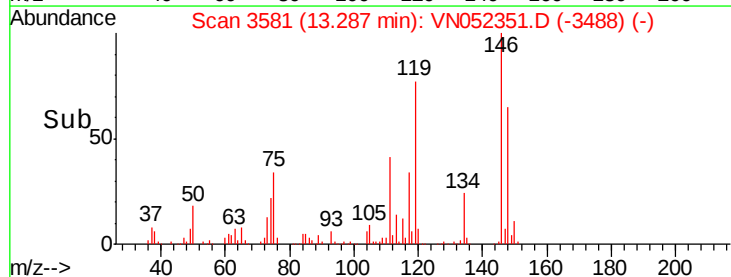
Abundance Ion 119.00 (118.70 to 119.70): V

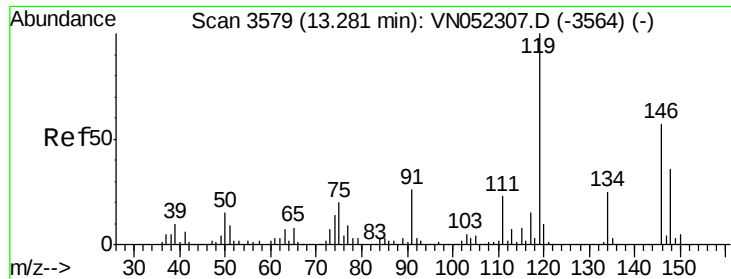
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

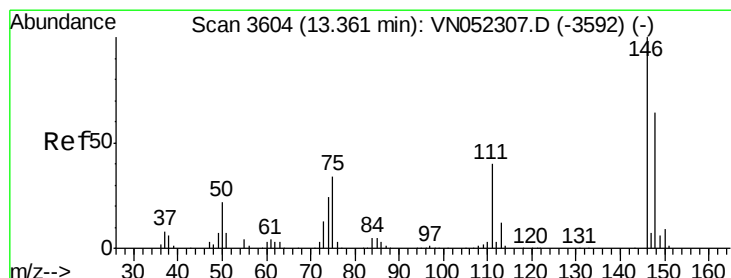
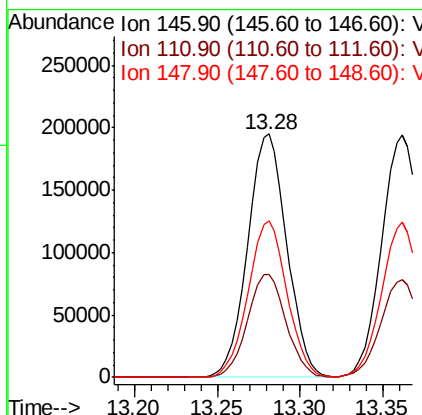
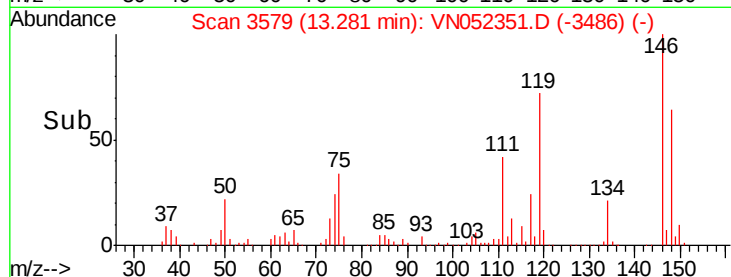
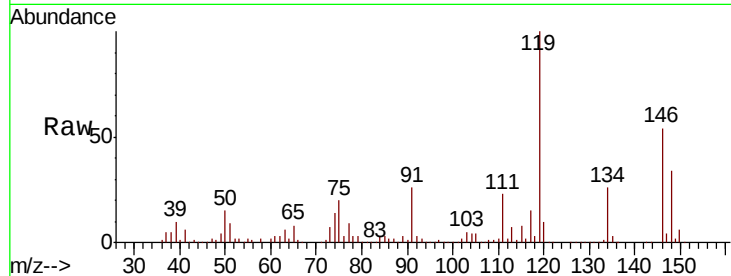




#87
 1,3-Dichlorobenzene
 Concen: 50.225 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

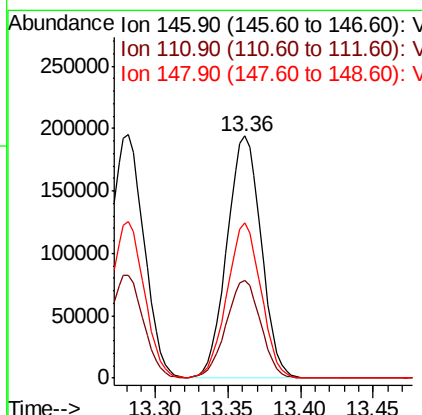
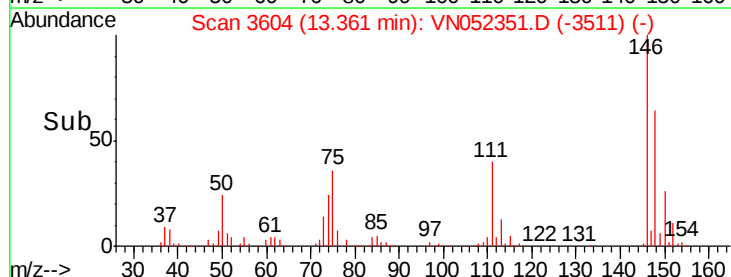
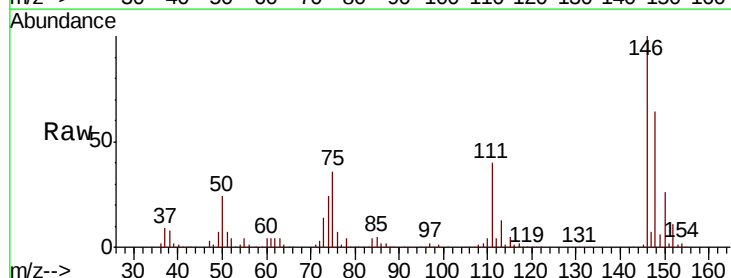
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

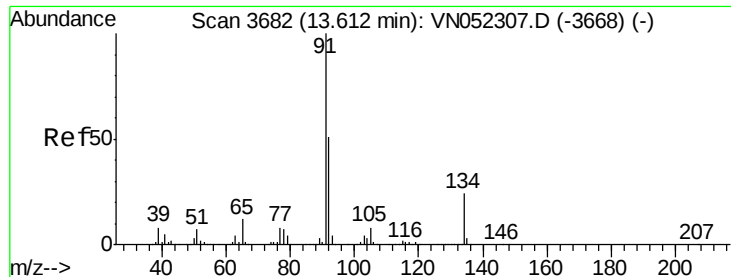
Tot Ion:146 Resp: 319745
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 61.0
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.115 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion:146 Resp: 317194
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.6 61.8
 148 63.6 32.4 97.2





#89

n-Butylbenzene

Concen: 55.764 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052351.D

Acq: 16 Nov 2018 8:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

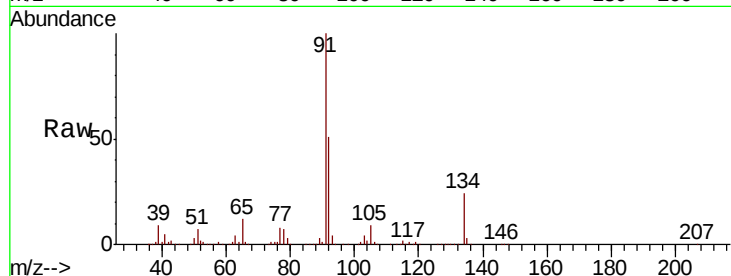
Tot Ion: 91 Resp: 597759

Ion Ratio Lower Upper

91 100

92 51.3 25.4 76.2

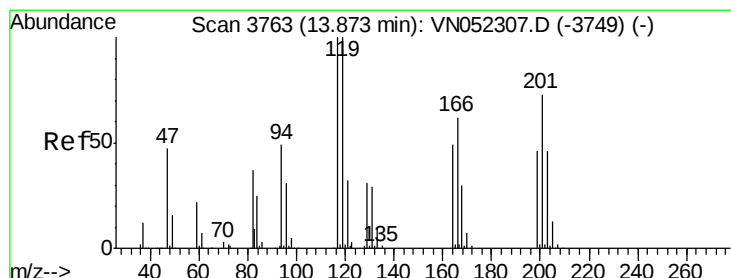
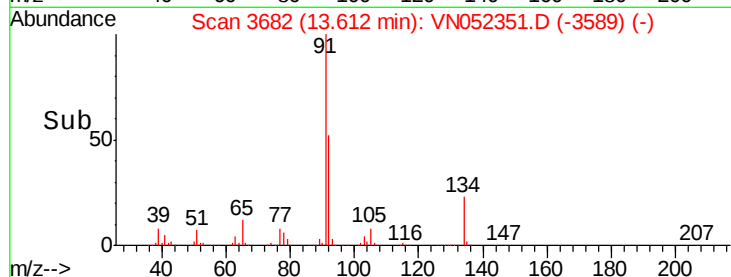
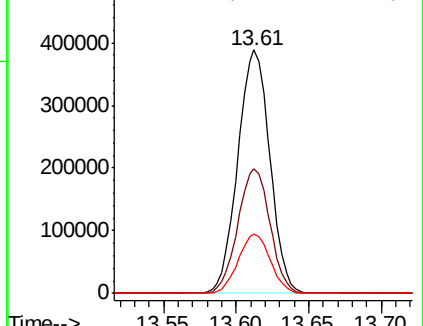
134 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052307.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3668) (-)



#90

Hexachloroethane

Concen: 53.779 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052351.D

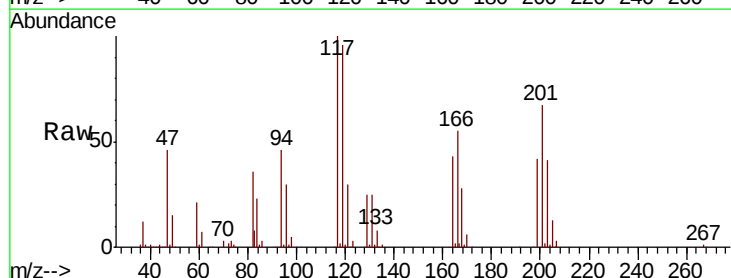
Acq: 16 Nov 2018 8:16

Tgt Ion: 117 Resp: 118883

Ion Ratio Lower Upper

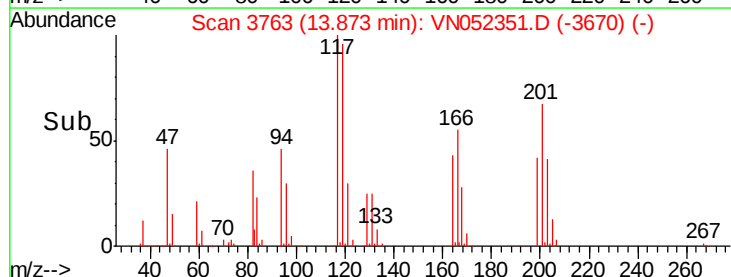
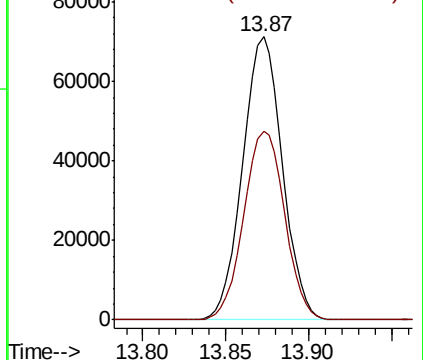
117 100

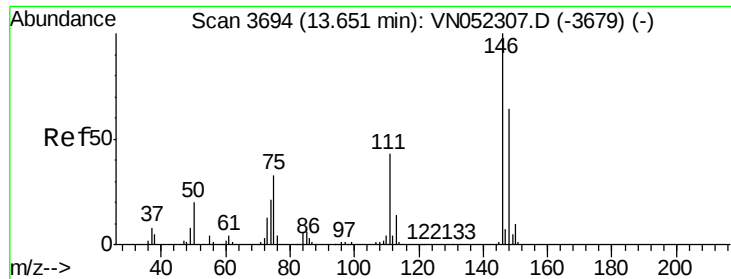
201 68.7 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052307.D (-3749) (-)

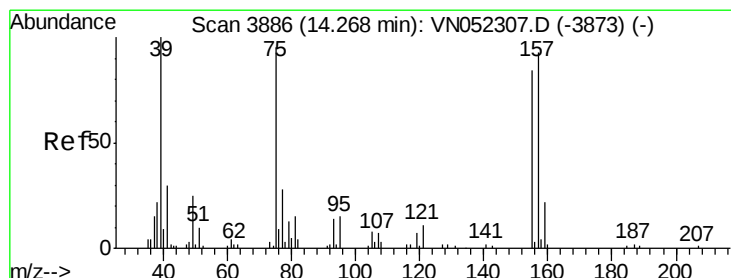
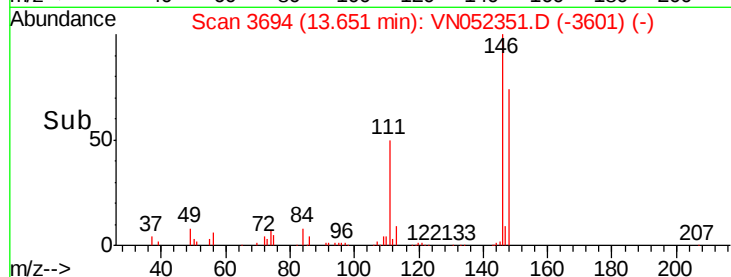
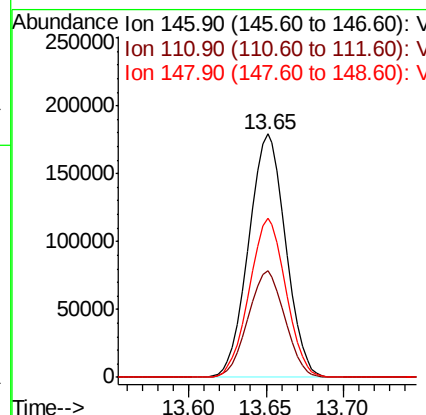
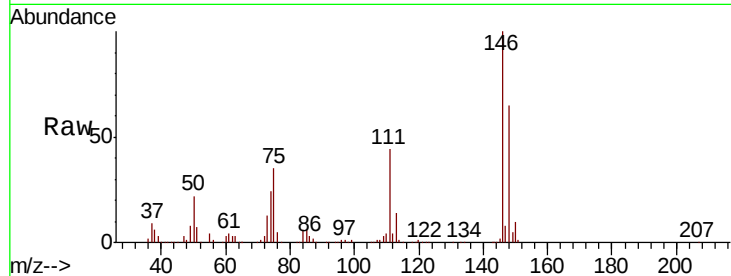




#91
 1,2-Dichlorobenzene
 Concen: 48.504 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

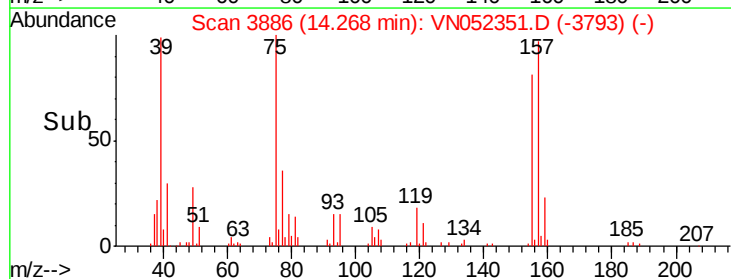
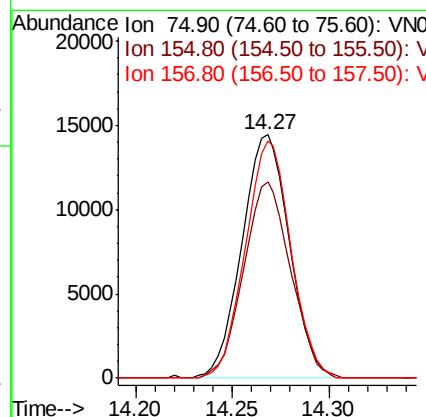
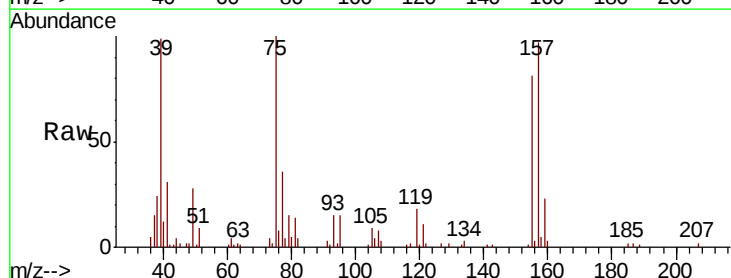
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

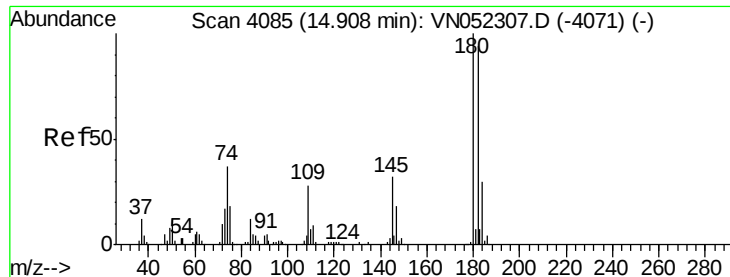
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	64.7	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.999 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	42.4	127.3
157	93.1	49.6	149.0

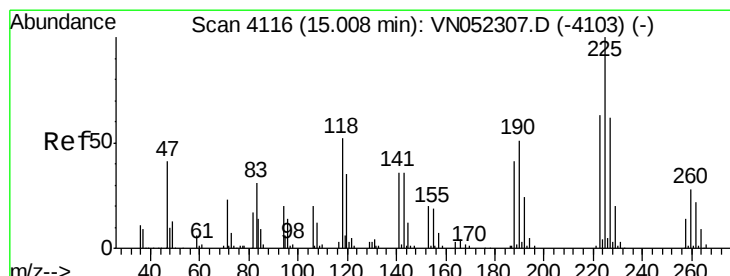
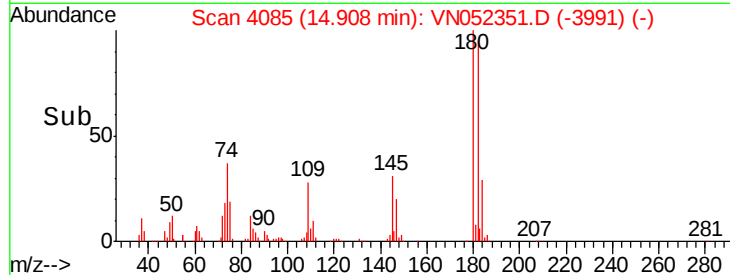
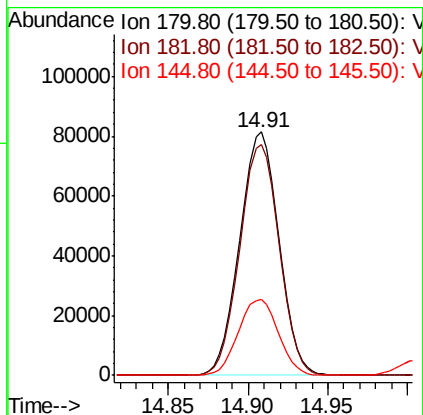
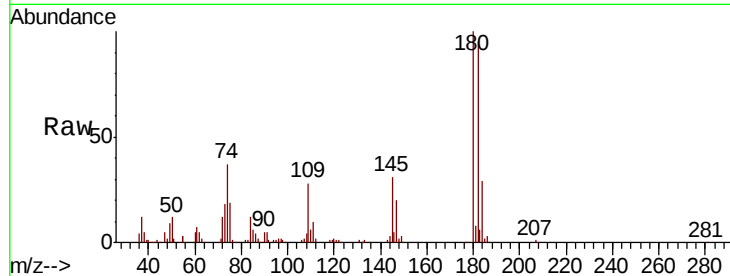




#93
 1,2,4-Trichlorobenzene
 Concen: 47.487 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

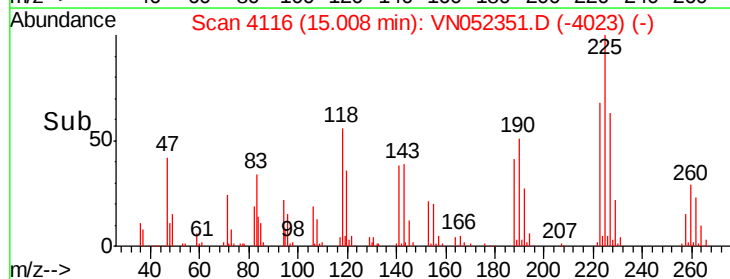
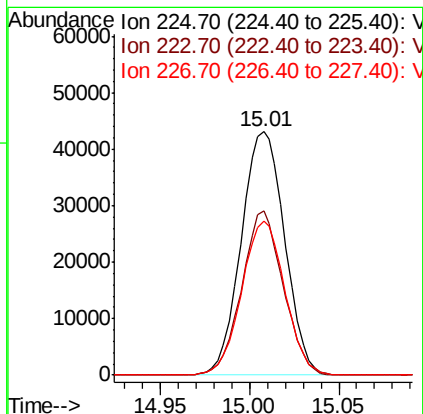
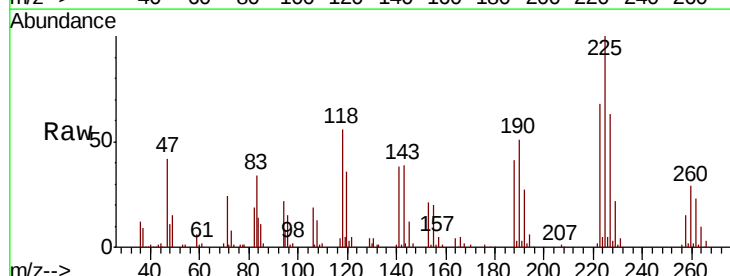
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

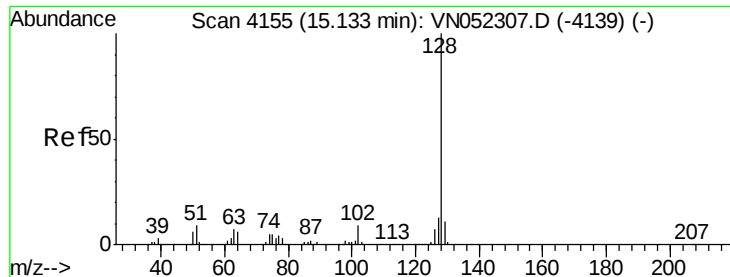
Tot Ion:180 Resp: 135941
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.6 142.9
 145 31.8 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 52.041 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052351.D
 Acq: 16 Nov 2018 8:16

Tgt Ion:225 Resp: 73467
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.9 95.5
 227 62.8 31.6 95.0

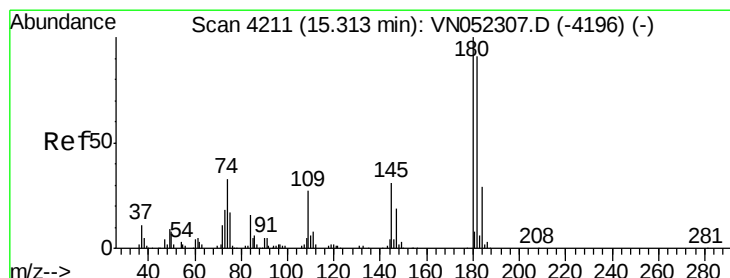
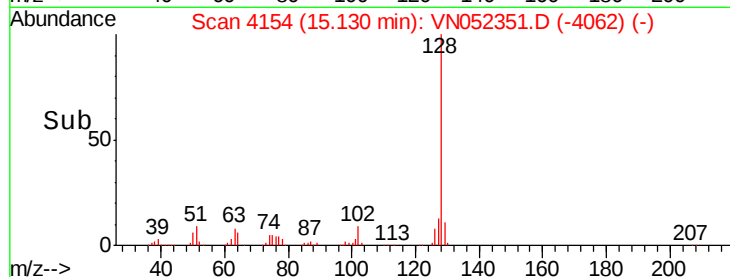
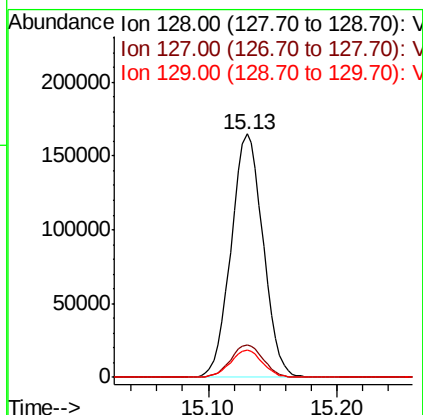
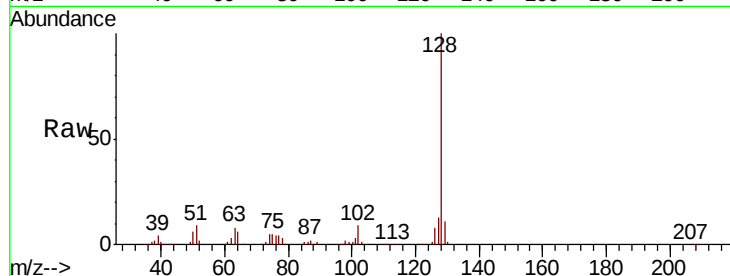




#95
Naphthalene
Concen: 42.272 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 283854
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.283 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052351.D
Acq: 16 Nov 2018 8:16

Tgt Ion:180 Resp: 120191
Ion Ratio Lower Upper
180 100
182 94.9 46.5 139.3
145 32.7 16.4 49.2

