

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051199.D
 Acq On : 14 Sep 2018 19:17
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 15 00:54:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	578553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	795095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	723212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	363442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	298568	46.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.74%	
35) Dibromofluoromethane	7.59	113	294693	49.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.66%	
50) Toluene-d8	10.09	98	1090369	48.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	12.40	95	357226	47.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	240836	43.17	ug/l	99
3) Chloromethane	2.06	50	322881	44.75	ug/l	99
4) Vinyl Chloride	2.18	62	328831	42.94	ug/l	100
5) Bromomethane	2.56	94	189605	43.75	ug/l	99
6) Chloroethane	2.70	64	204296	43.22	ug/l	99
7) Trichlorofluoromethane	3.01	101	469961	46.31	ug/l	100
8) Diethyl Ether	3.41	74	166114	44.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	299009	45.71	ug/l	100
10) Methyl Iodide	3.95	142	259616	43.29	ug/l	98
11) Tert butyl alcohol	4.79	59	84299	171.42	ug/l	99
12) 1,1-Dichloroethene	3.74	96	268748	43.55	ug/l	98
13) Acrolein	3.61	56	91046	161.23	ug/l	99
14) Allyl chloride	4.33	41	410404	43.65	ug/l	99
15) Acrylonitrile	4.99	53	471664	216.45	ug/l	100
16) Acetone	3.82	43	317659	198.34	ug/l	99
17) Carbon Disulfide	4.05	76	753373	41.44	ug/l	99
18) Methyl Acetate	4.33	43	234178	45.42	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	730256	44.76	ug/l	100
20) Methylene Chloride	4.55	84	323234	45.45	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	297118	44.39	ug/l	98
22) Diisopropyl ether	5.95	45	916357	49.10	ug/l	97
23) Vinyl Acetate	5.90	43	2887321	228.60	ug/l	99
24) 1,1-Dichloroethane	5.85	63	555583	46.92	ug/l	100
25) 2-Butanone	6.84	43	490988	193.96	ug/l	99
26) 2,2-Dichloropropane	6.83	77	411819	42.49	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	336131	45.77	ug/l	100
28) Bromochloromethane	7.20	49	251317	47.68	ug/l	99
29) Tetrahydrofuran	7.21	42	329210	208.26	ug/l	100
30) Chloroform	7.37	83	573121	48.65	ug/l	100
31) Cyclohexane	7.65	56	462443	43.77	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	480521	47.87	ug/l	99
36) 1,1-Dichloropropene	7.80	75	424897	48.67	ug/l	99
37) Ethyl Acetate	6.93	43	220904	43.69	ug/l	99
38) Carbon Tetrachloride	7.78	117	434770	50.60	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	448748	46.59	ug/l	98
40) Benzene	8.04	78	1302633	49.52	ug/l	99
41) Methacrylonitrile	7.18	41	128658	49.32	ug/l	87
42) 1,2-Dichloroethane	8.13	62	380334	49.61	ug/l	99
43) Isopropyl Acetate	8.17	43	422528	47.36	ug/l #	86
44) Trichloroethene	8.84	130	346615	48.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	345029	50.76	ug/l	100
46) Dibromomethane	9.21	93	199462	48.10	ug/l	99
47) Bromodichloromethane	9.40	83	439844	52.16	ug/l	99
48) Methyl methacrylate	9.20	41	203531	46.82	ug/l	99
49) 1,4-Dioxane	9.20	88	55871	819.57	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1128852	228.83	ug/l	99
52) Toluene	10.16	92	805519	50.22	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	414176	49.08	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	490940	49.61	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	291552	50.04	ug/l	99
56) Ethyl methacrylate	10.43	69	340988	43.92	ug/l	99
57) 1,3-Dichloropropane	10.71	76	480080	49.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	688140	211.83	ug/l	99
59) 2-Hexanone	10.75	43	709689	212.13	ug/l	99
60) Dibromochloromethane	10.90	129	336982	51.31	ug/l	98
61) 1,2-Dibromoethane	11.01	107	277938	48.80	ug/l	100
64) Tetrachloroethene	10.63	164	315619	47.83	ug/l	99
65) Chlorobenzene	11.43	112	900550	49.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	341768	52.07	ug/l	99
67) Ethyl Benzene	11.51	91	1505561	51.00	ug/l	100
68) m/p-Xylenes	11.62	106	1182154	104.22	ug/l	100
69) o-Xylene	11.95	106	568714	51.77	ug/l	100
70) Styrene	11.96	104	920220	54.01	ug/l	99
71) Bromoform	12.13	173	231676	50.13	ug/l #	99
73) Isopropylbenzene	12.25	105	1508118	49.48	ug/l	100
74) N-amyl acetate	12.07	43	324021	42.24	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	348036	49.76	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	398477	71.35	ug/l #	100
77) Bromobenzene	12.53	156	389212	47.54	ug/l	97
78) n-propylbenzene	12.59	91	1669275	49.83	ug/l	100
79) 2-Chlorotoluene	12.67	91	1004491	47.97	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1237469	50.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	81138	42.40	ug/l	98
82) 4-Chlorotoluene	12.77	91	991925	47.72	ug/l	99
83) tert-Butylbenzene	12.99	119	1061901	48.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1252278	51.68	ug/l	99
85) sec-Butylbenzene	13.17	105	1381770	49.53	ug/l	100
86) p-Isopropyltoluene	13.29	119	1215100	51.36	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	660683	47.57	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	635468	49.83	ug/l	100
89) n-Butylbenzene	13.62	91	911387	49.50	ug/l	98
90) Hexachloroethane	13.87	117	226592	52.64	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	636352	47.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44782	43.11	ug/l	98

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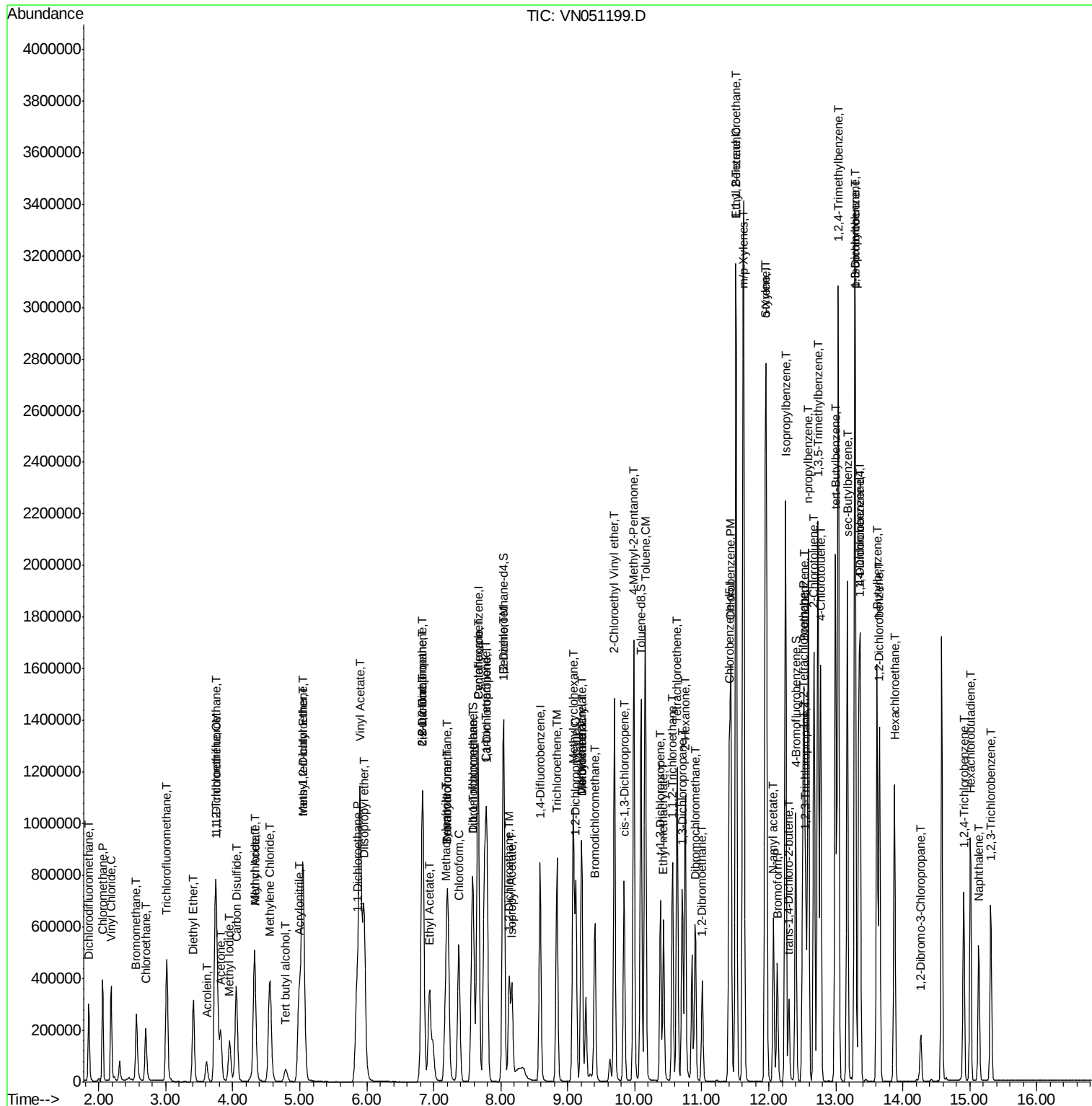
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	263413	41.05	ug/l	98
94) Hexachlorobutadiene	15.01	225	205769	52.25	ug/l	100
95) Naphthalene	15.13	128	454716	35.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	255923	41.49	ug/l	99

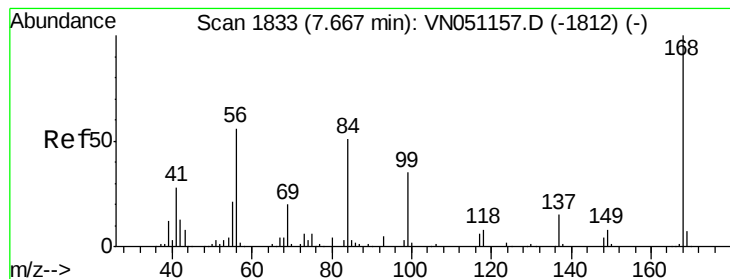
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

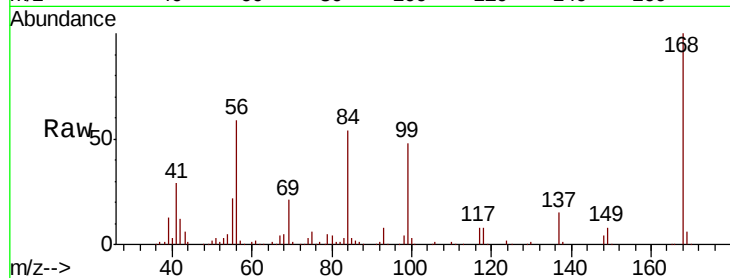
VSTDCCC050

Tot Ion:168 Resp: 578553

Ion Ratio Lower Upper

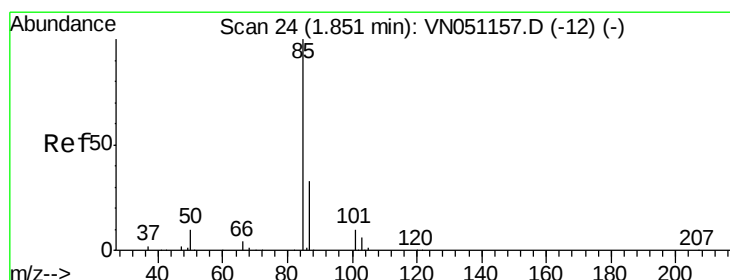
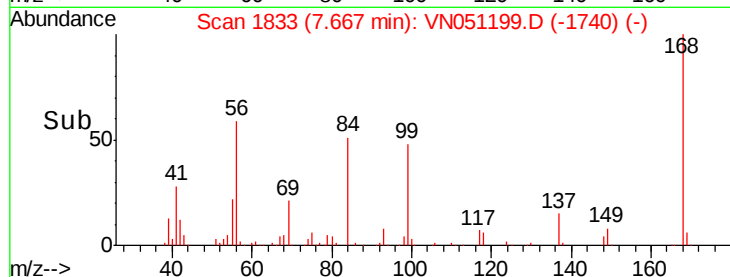
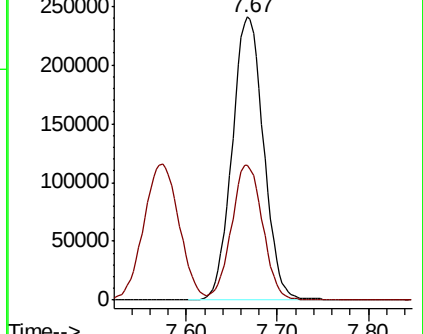
168 100

99 47.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.17 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051199.D

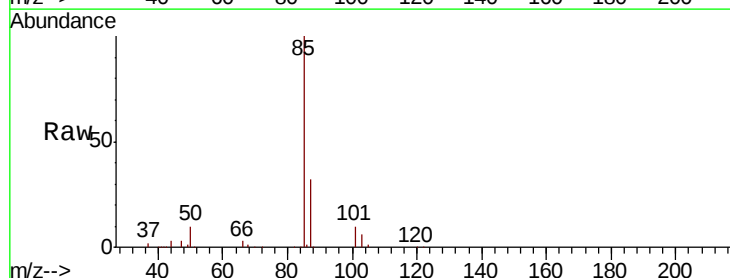
Acq: 14 Sep 2018 19:17

Tgt Ion: 85 Resp: 240836

Ion Ratio Lower Upper

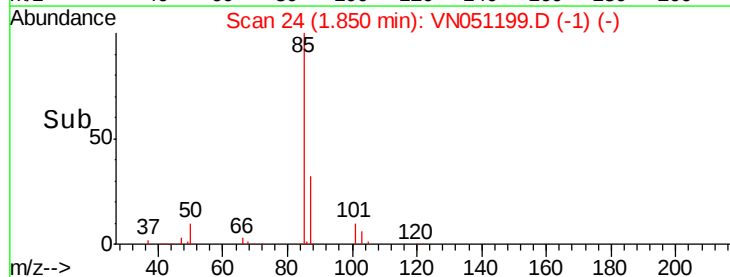
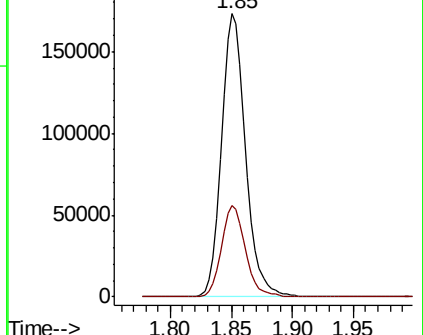
85 100

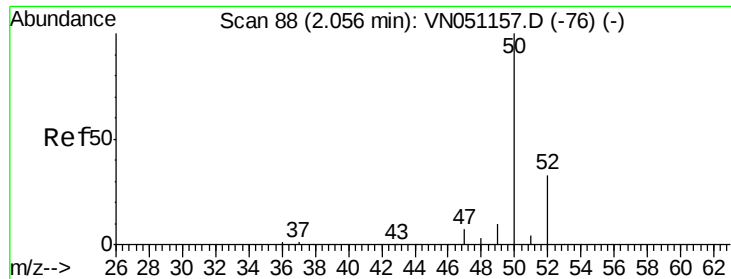
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.75 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

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ClientSampleId :

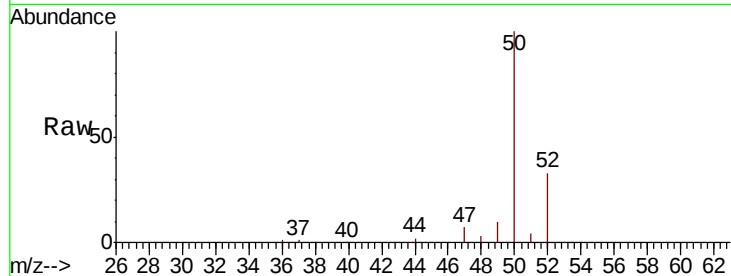
VSTDCCC050

Tot Ion: 50 Resp: 322881

Ion Ratio Lower Upper

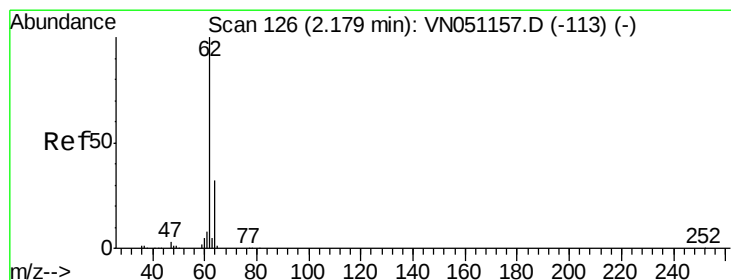
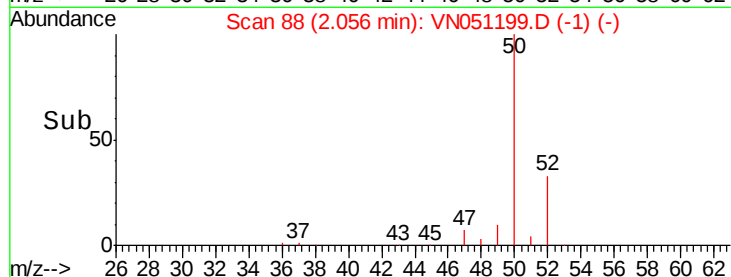
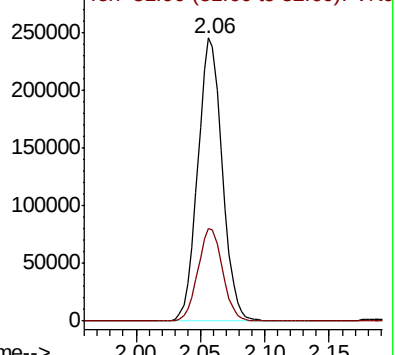
50 100

52 32.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 42.94 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051199.D

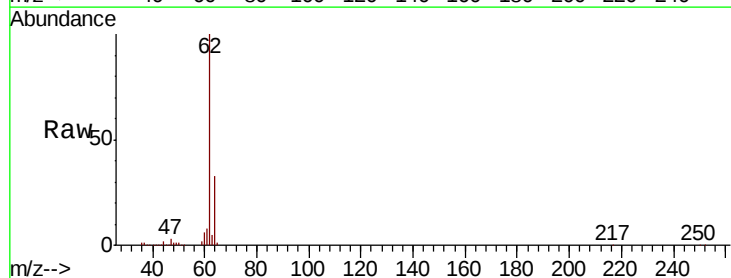
Acq: 14 Sep 2018 19:17

Tgt Ion: 62 Resp: 328831

Ion Ratio Lower Upper

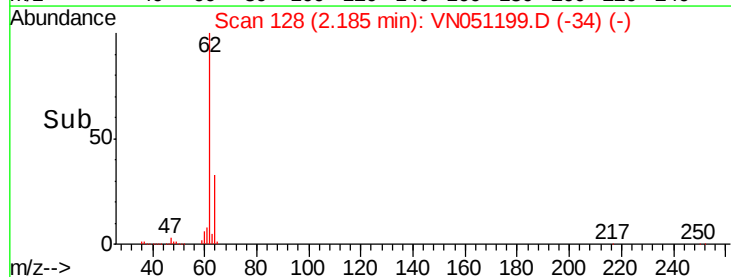
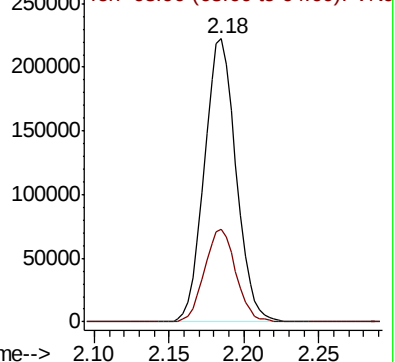
62 100

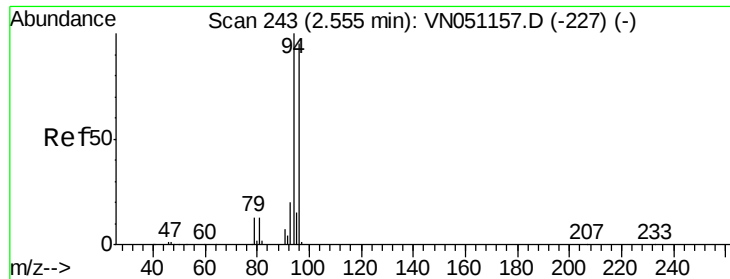
64 32.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.75 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

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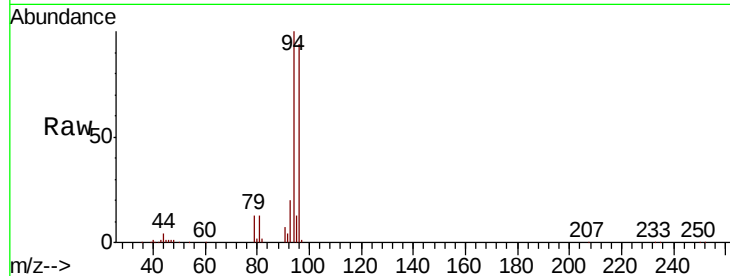
VSTDCCC050

Tot Ion: 94 Resp: 189605

Ion Ratio Lower Upper

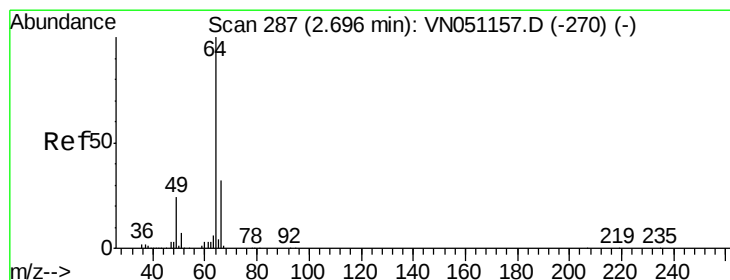
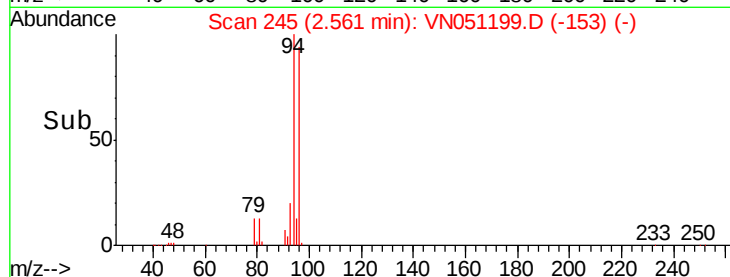
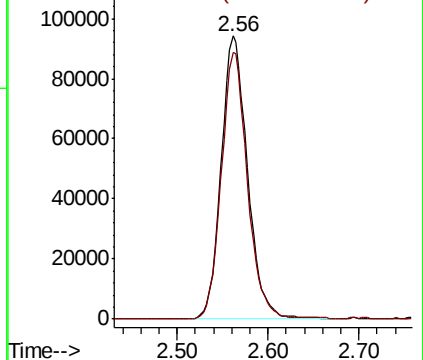
94 100

96 94.2 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.22 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051199.D

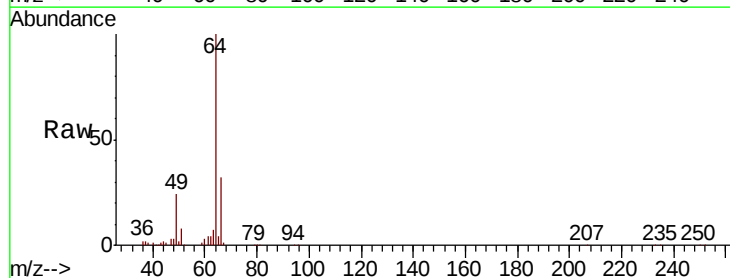
Acq: 14 Sep 2018 19:17

Tgt Ion: 64 Resp: 204296

Ion Ratio Lower Upper

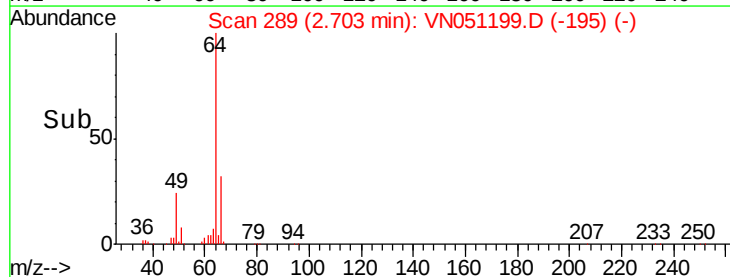
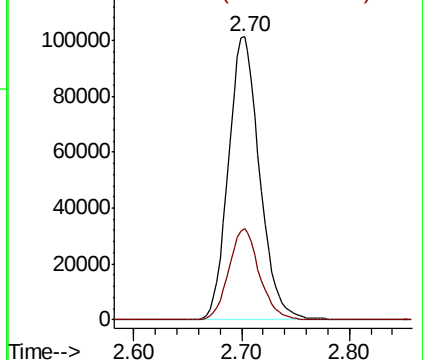
64 100

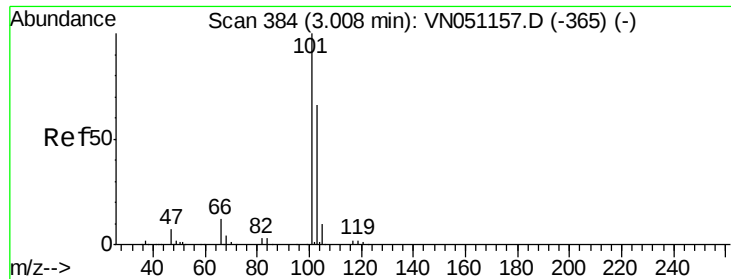
66 32.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



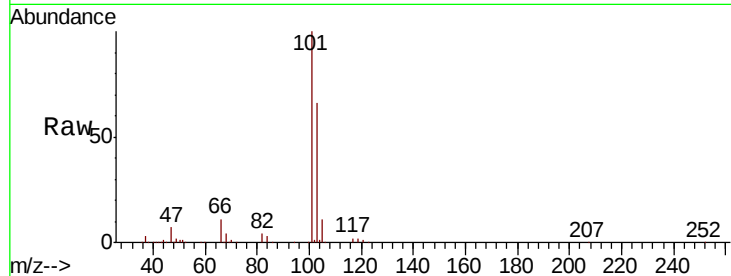


#7

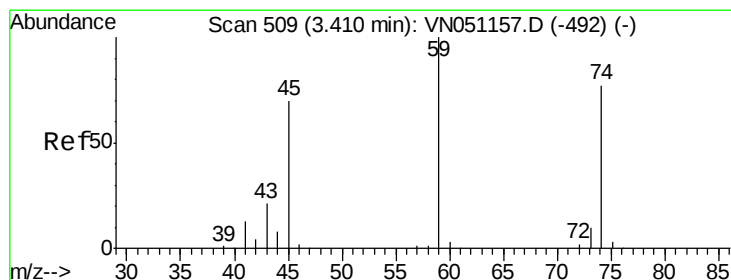
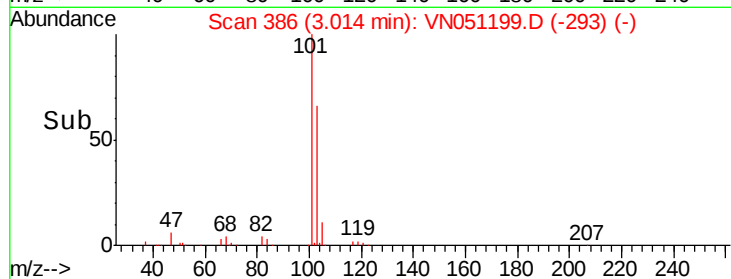
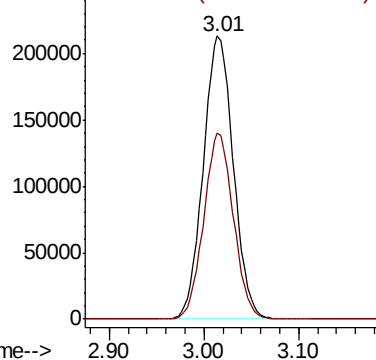
Trichlorofluoromethane
 Concen: 46.31 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051199.D
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Tot Ion:101 Resp: 469961
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.4 78.6



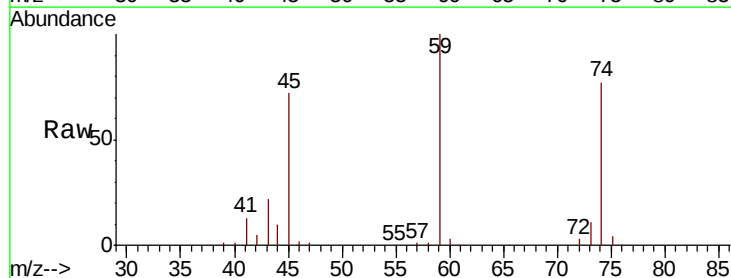
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



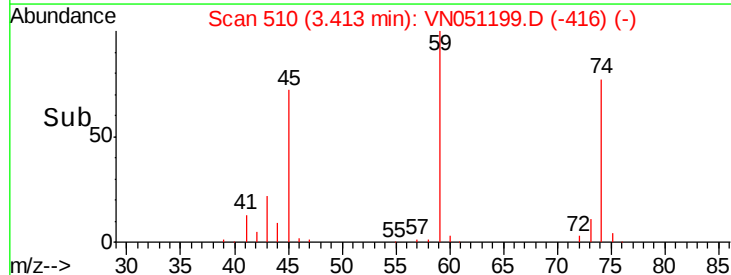
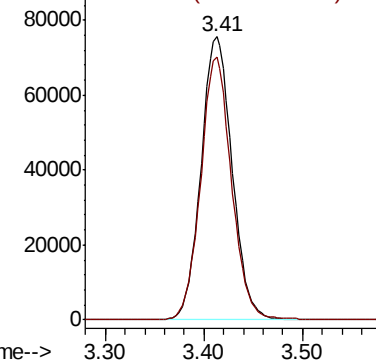
#8

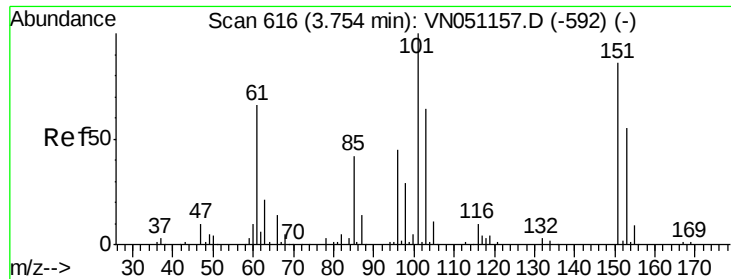
Diethyl Ether
 Concen: 44.51 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
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Tgt Ion: 74 Resp: 166114
 Ion Ratio Lower Upper
 74 100
 45 92.0 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO

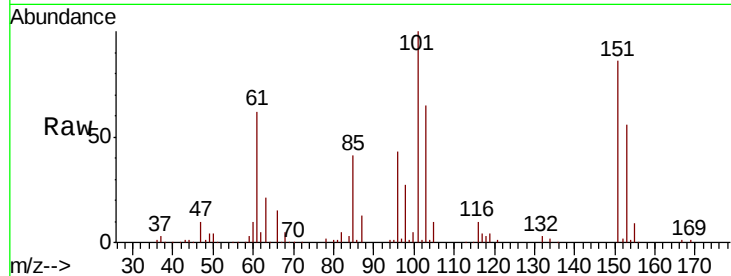




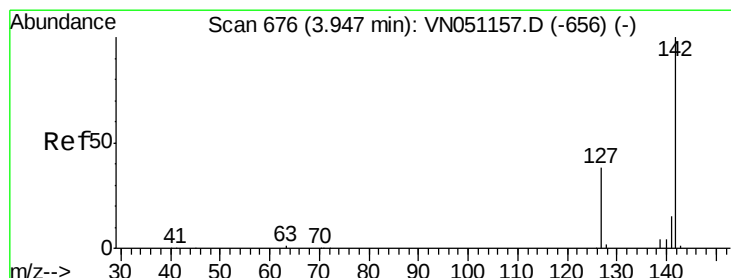
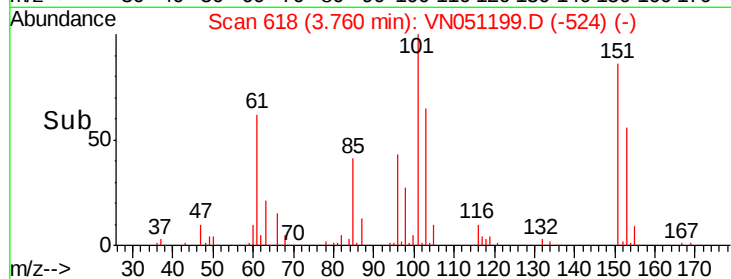
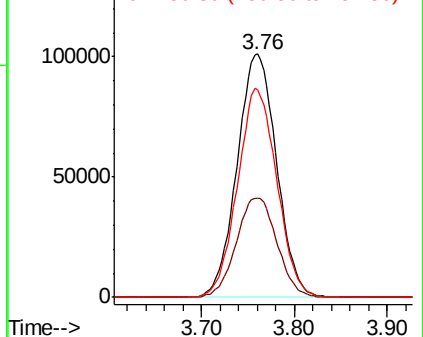
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.71 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 299009
 Ion Ratio Lower Upper
 101 100
 85 42.0 33.3 49.9
 151 85.6 68.2 102.2

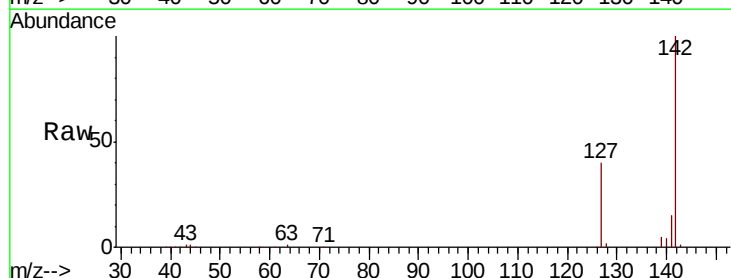


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

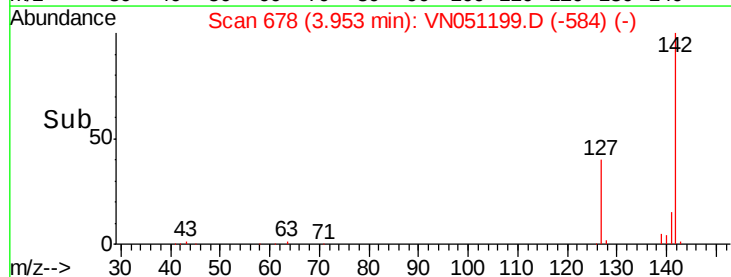
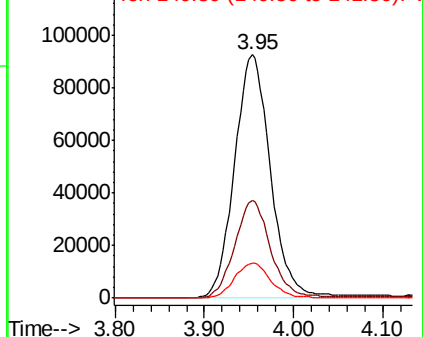


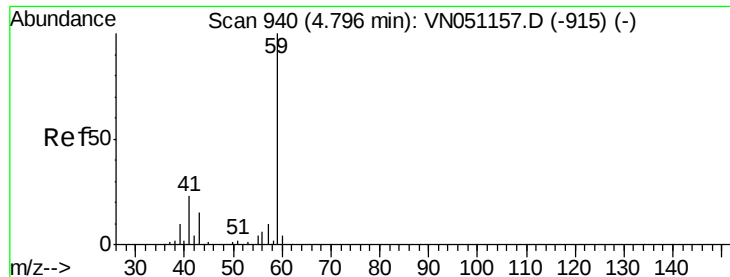
#10
 Methyl Iodide
 Concen: 43.29 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion:142 Resp: 259616
 Ion Ratio Lower Upper
 142 100
 127 40.3 31.0 46.4
 141 14.5 11.3 16.9



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

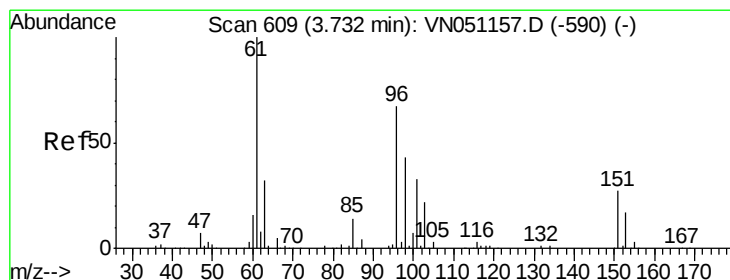
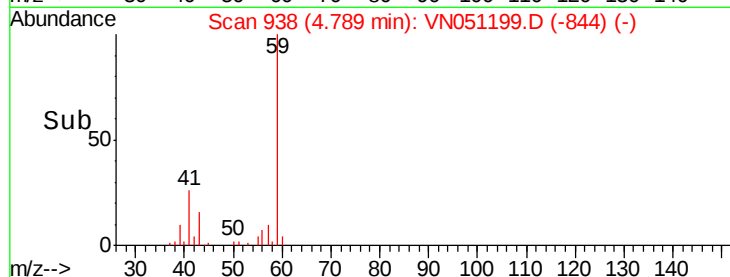
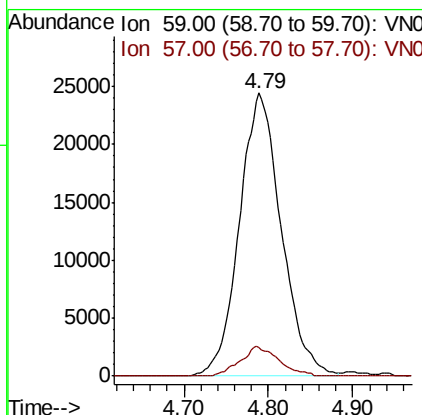
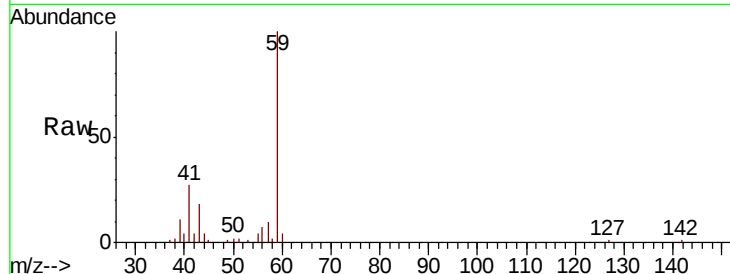




#11
Tert butyl alcohol
Concen: 171.42 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

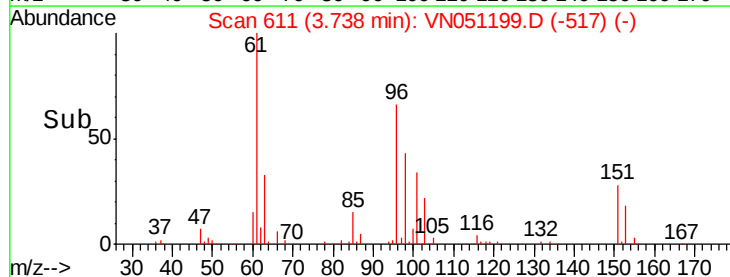
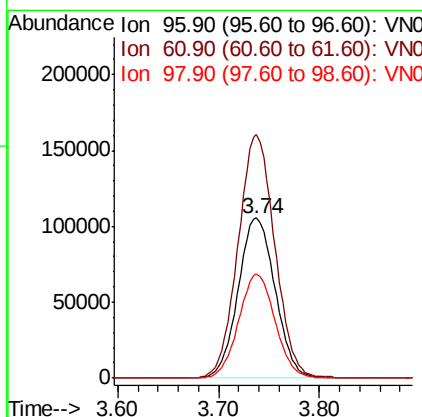
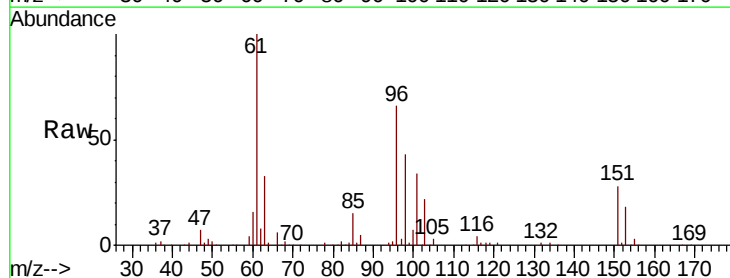
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

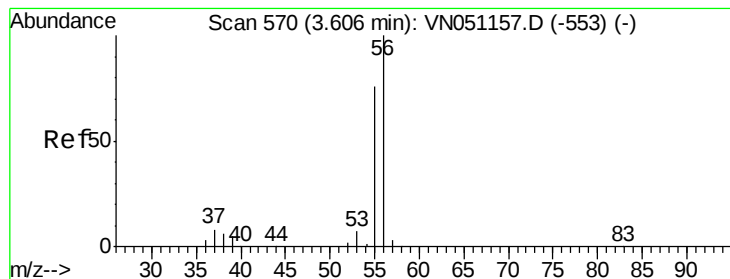
Tot Ion: 59 Resp: 84299
Ion Ratio Lower Upper
59 100
57 9.7 8.1 12.1



#12
1,1-Dichloroethene
Concen: 43.55 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 96 Resp: 268748
Ion Ratio Lower Upper
96 100
61 152.0 120.3 180.5
98 65.2 50.8 76.2





#13

Acrolein

Concen: 161.23 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

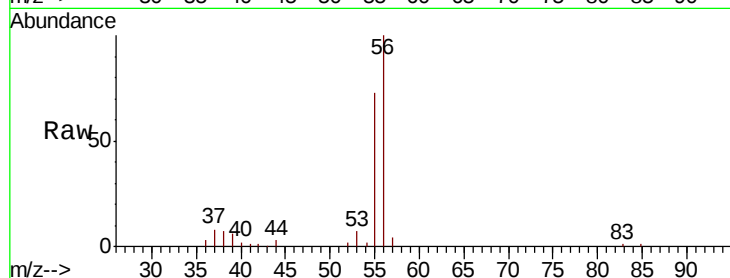
VSTDCCC050

Tot Ion: 56 Resp: 91046

Ion Ratio Lower Upper

56 100

55 73.3 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

20000

10000

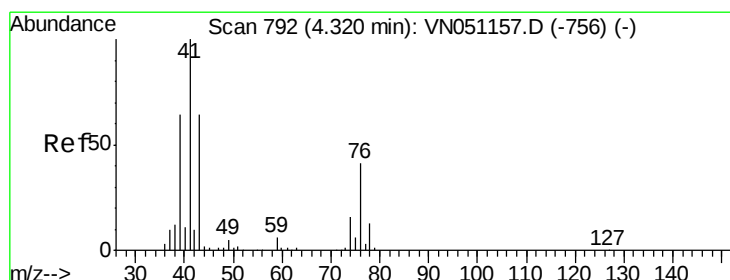
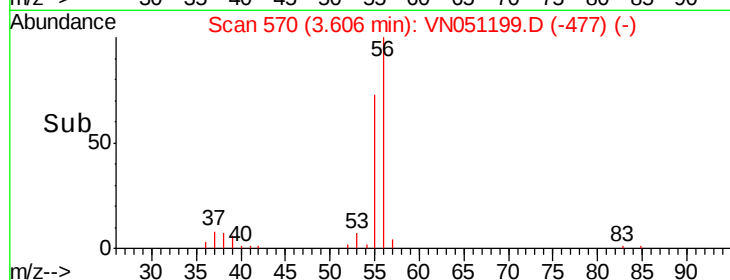
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 43.65 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

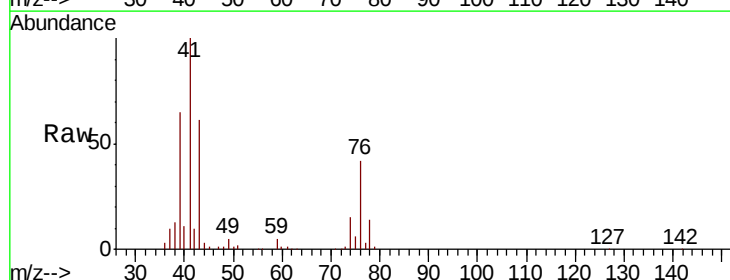
Tgt Ion: 41 Resp: 410404

Ion Ratio Lower Upper

41 100

39 62.0 48.8 73.2

76 39.1 30.6 45.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

150000

100000

50000

0

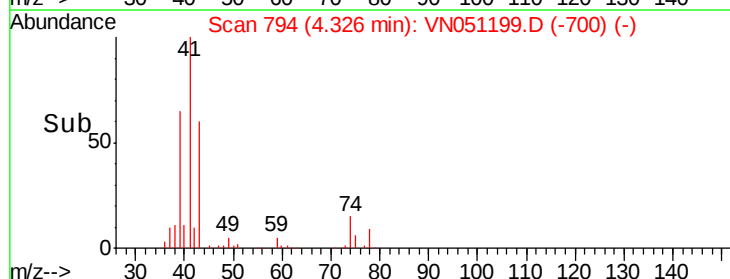
Time-->

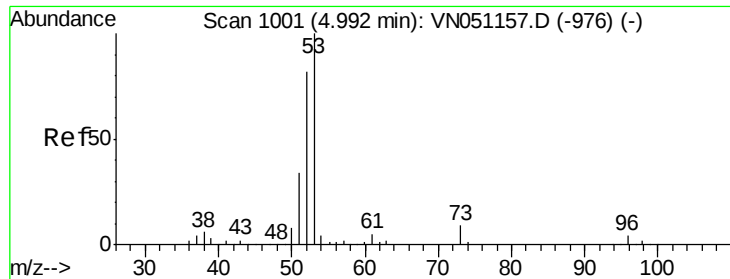
4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 216.45 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

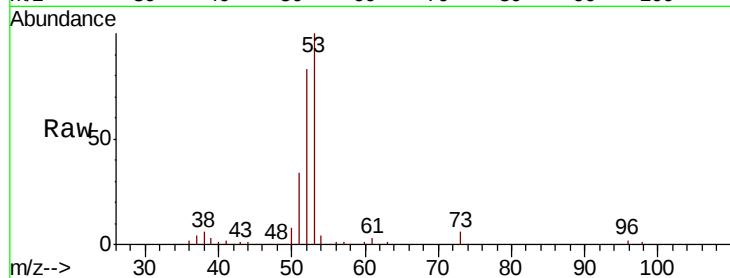
Tot Ion: 53 Resp: 471664

Ion Ratio Lower Upper

53 100

52 81.5 65.3 97.9

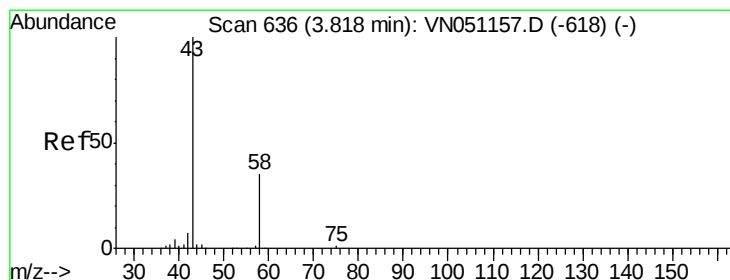
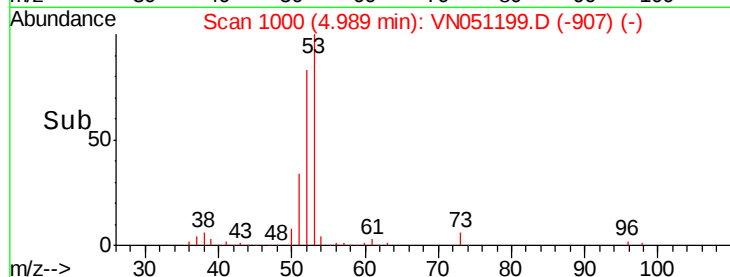
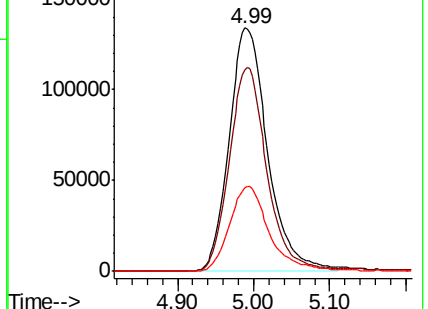
51 35.9 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN051157.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN051157.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN051157.D (-976) (-)



#16

Acetone

Concen: 198.34 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051199.D

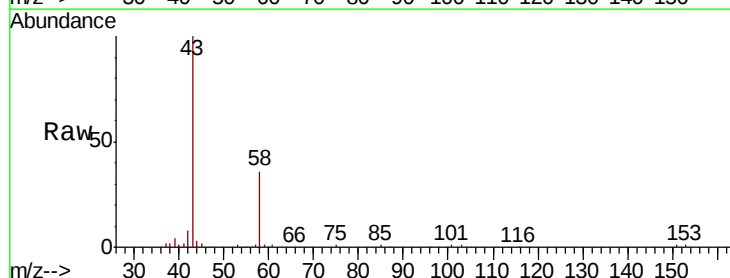
Acq: 14 Sep 2018 19:17

Tgt Ion: 43 Resp: 317659

Ion Ratio Lower Upper

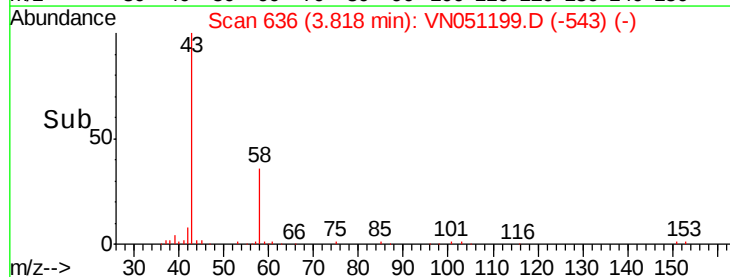
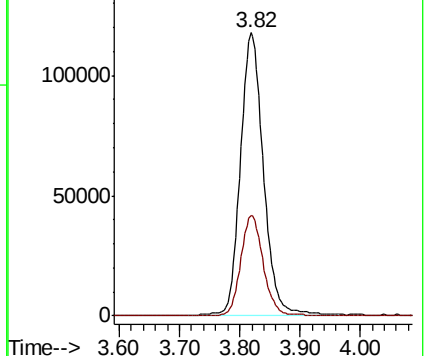
43 100

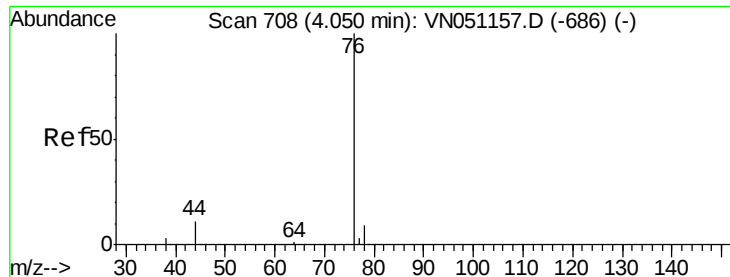
58 35.5 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN051157.D (-618) (-)

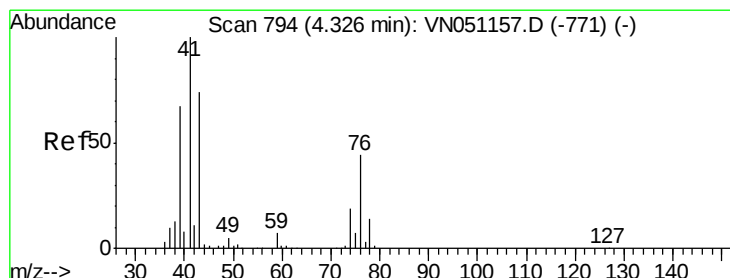
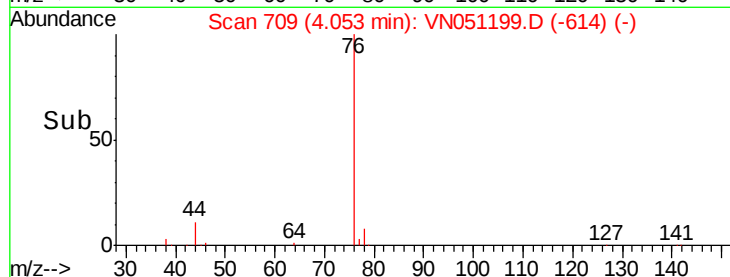
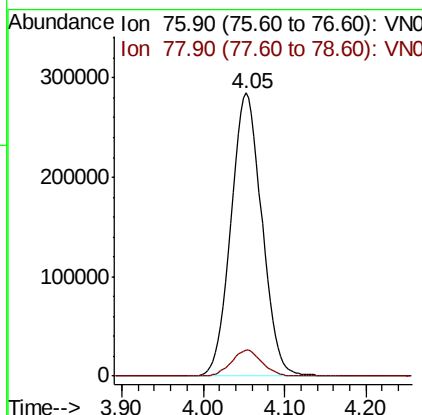
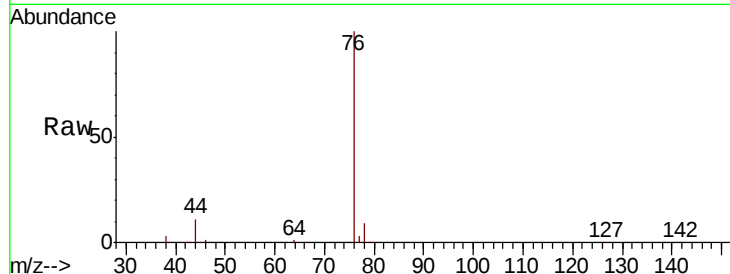




#17
Carbon Disulfide
Concen: 41.44 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

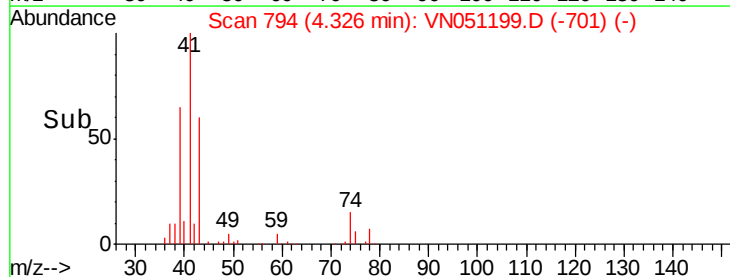
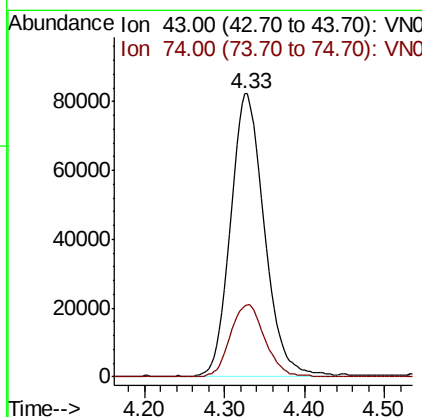
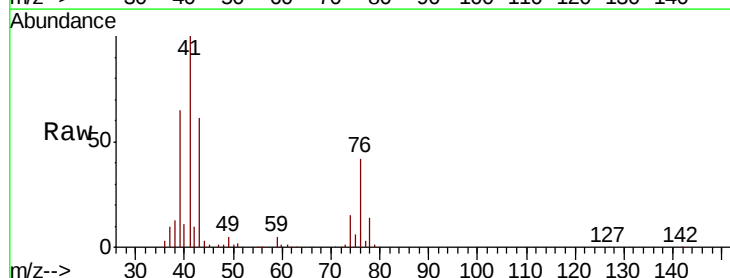
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

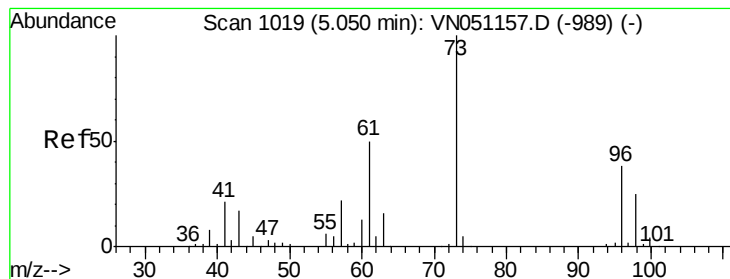
Tot Ion: 76 Resp: 753373
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 45.42 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 43 Resp: 234178
Ion Ratio Lower Upper
43 100
74 26.3 20.7 31.1





#19

Methyl tert-butyl Ether

Concen: 44.76 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

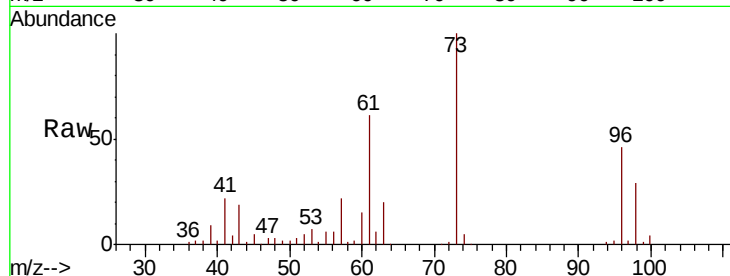
VSTDCCC050

Tot Ion: 73 Resp: 730256

Ion Ratio Lower Upper

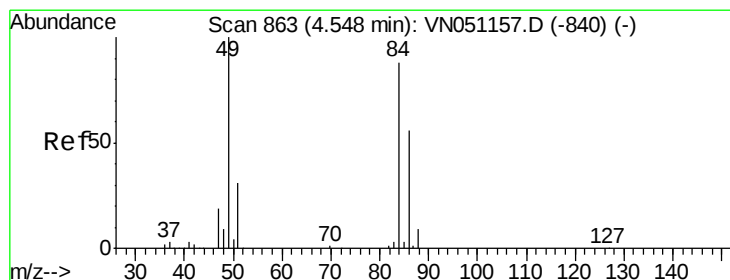
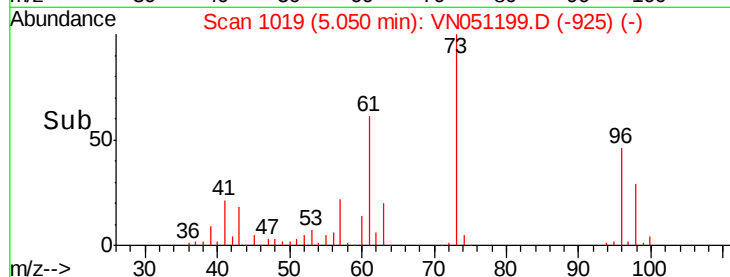
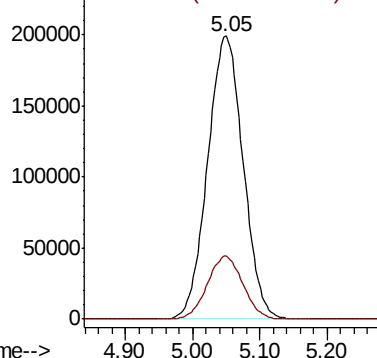
73 100

57 22.4 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 45.45 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion: 84 Resp: 323234

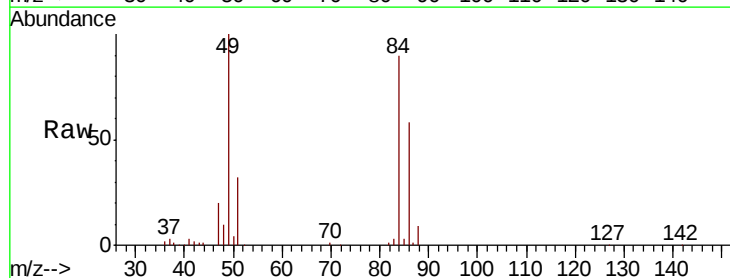
Ion Ratio Lower Upper

84 100

49 111.2 90.2 135.2

51 35.2 28.4 42.6

86 64.5 51.8 77.8

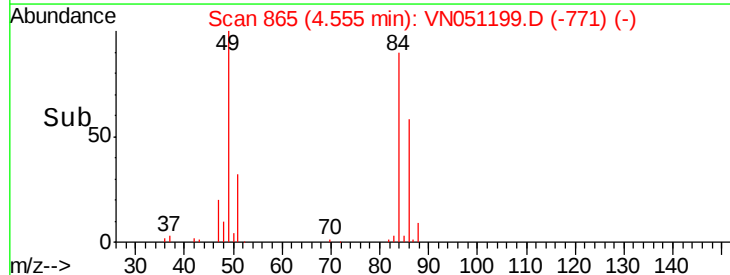
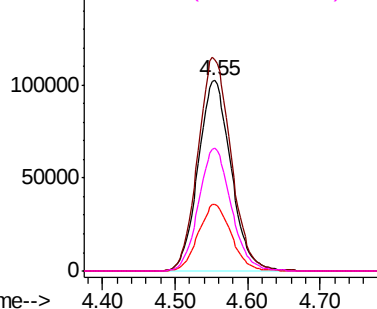


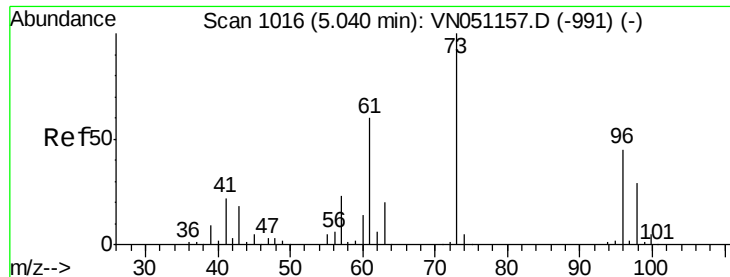
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

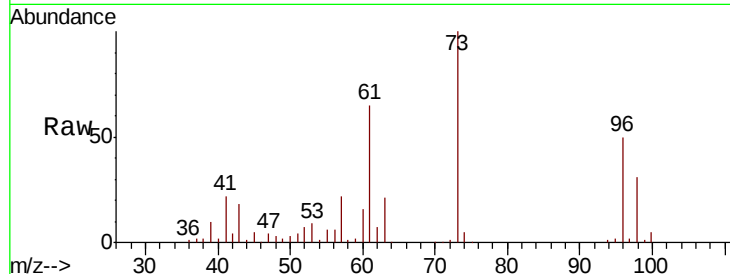




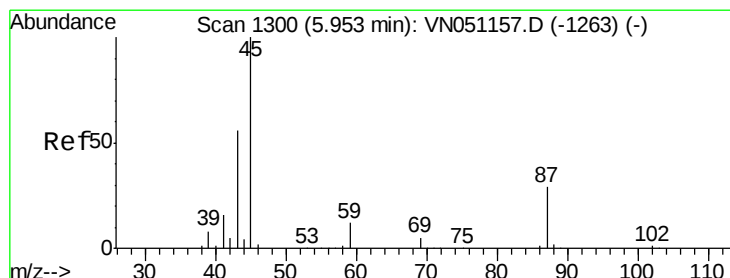
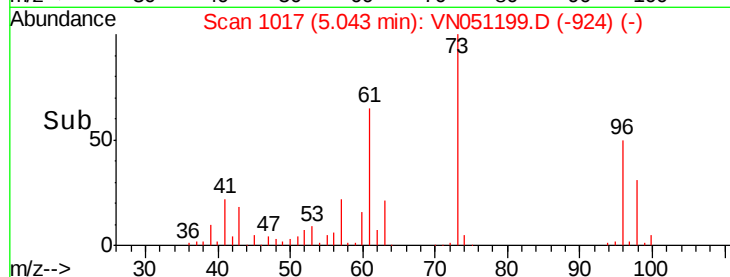
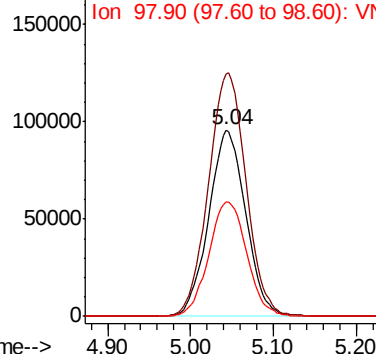
#21
trans-1,2-Dichloroethene
Concen: 44.39 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 297118
Ion Ratio Lower Upper
96 100
61 130.4 106.5 159.7
98 61.5 50.4 75.6

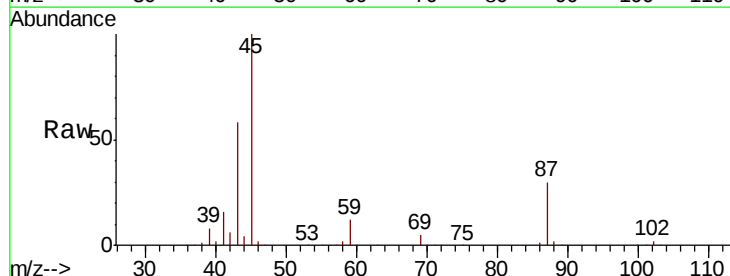


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

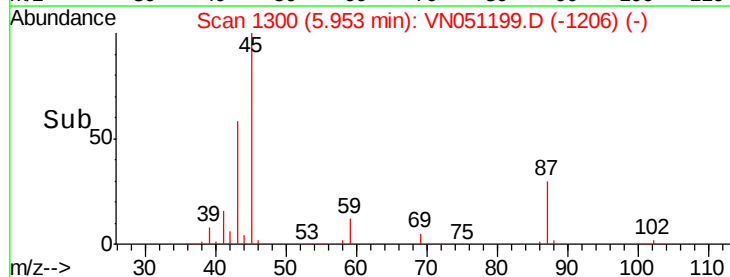
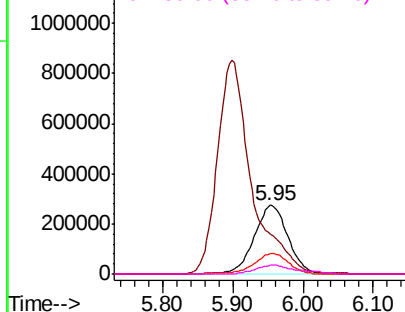


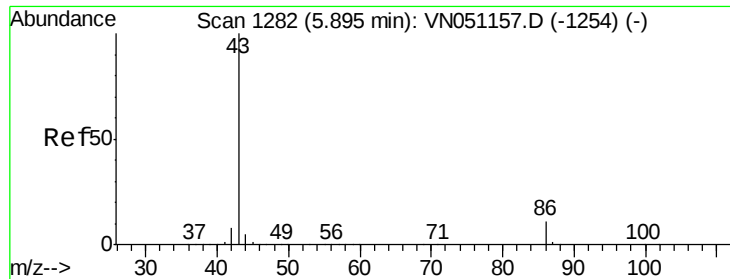
#22
Diisopropyl ether
Concen: 49.10 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 45 Resp: 916357
Ion Ratio Lower Upper
45 100
43 57.2 48.8 73.2
87 29.5 23.8 35.8
59 12.2 9.6 14.4



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

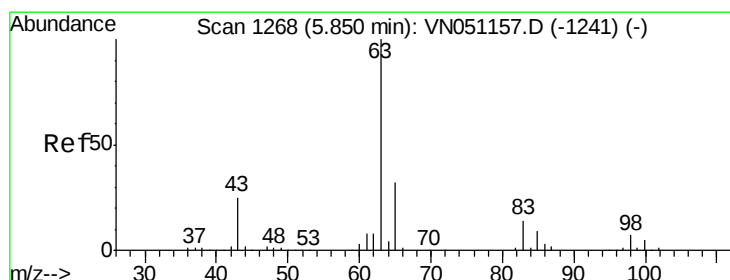
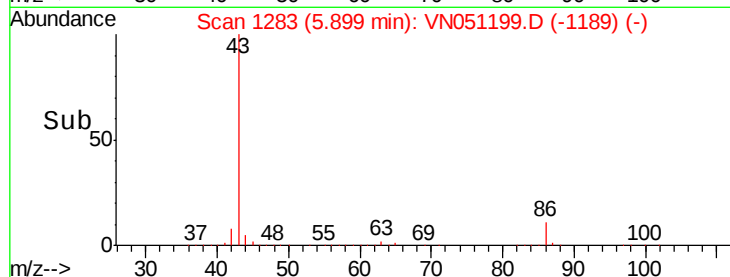
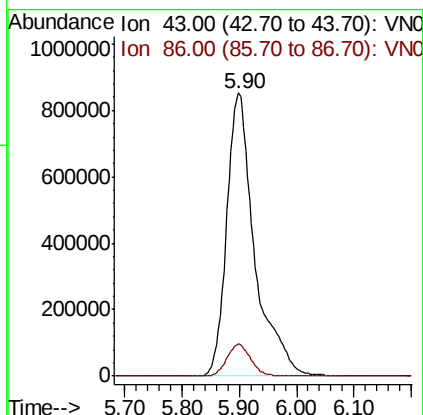
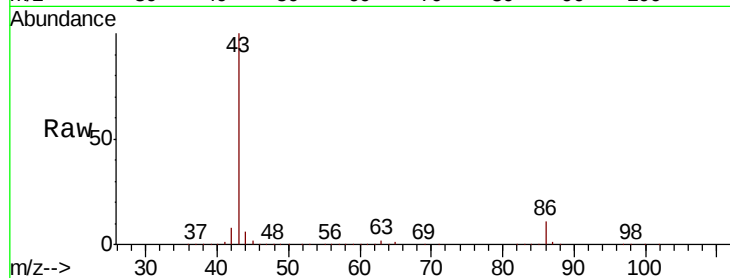




#23
 Vinyl Acetate
 Concen: 228.60 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

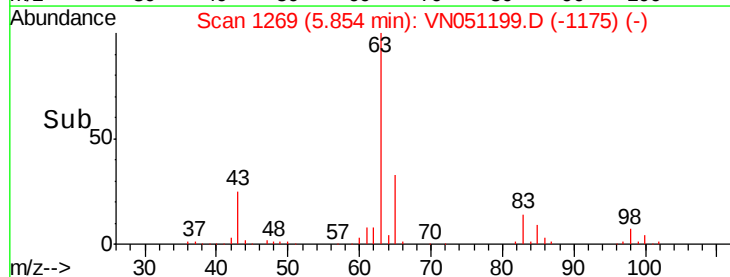
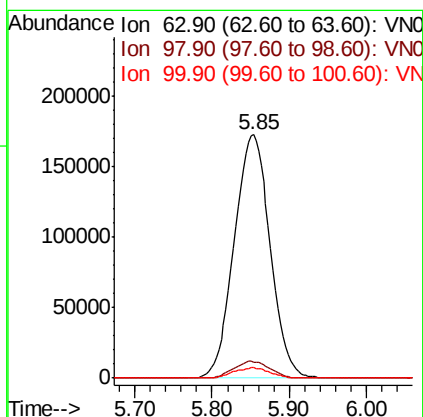
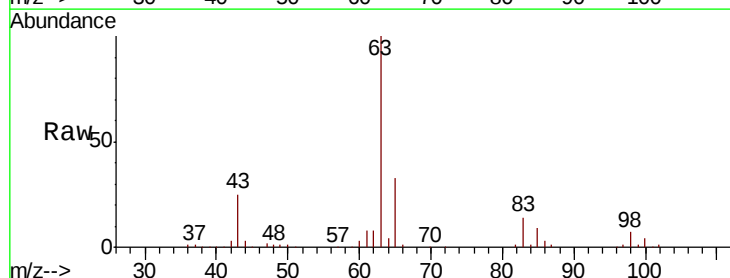
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

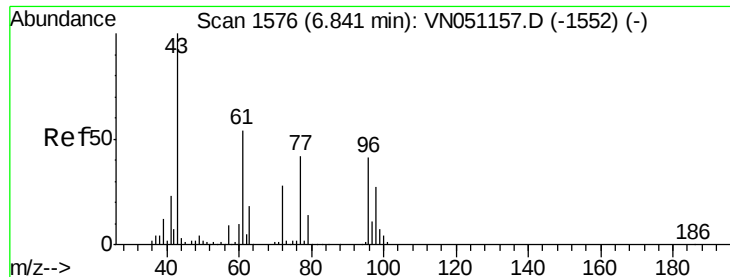
Tot Ion: 43 Resp: 2887321
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 46.92 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion: 63 Resp: 555583
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.2 2.1 6.3

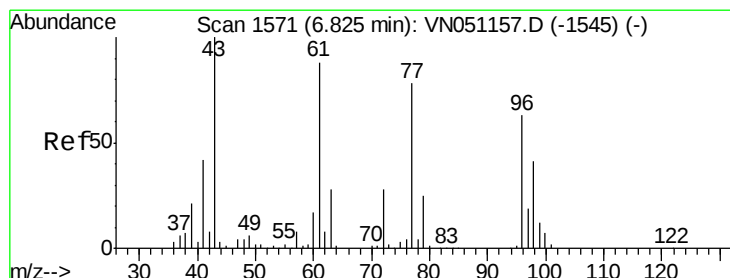
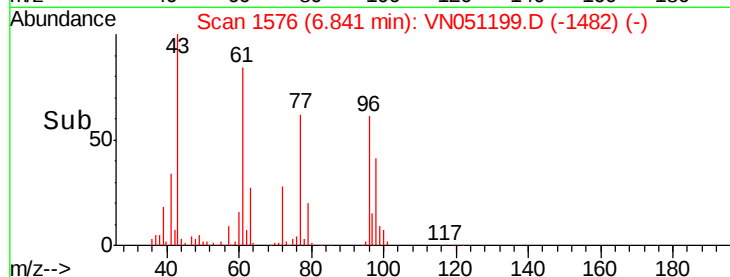
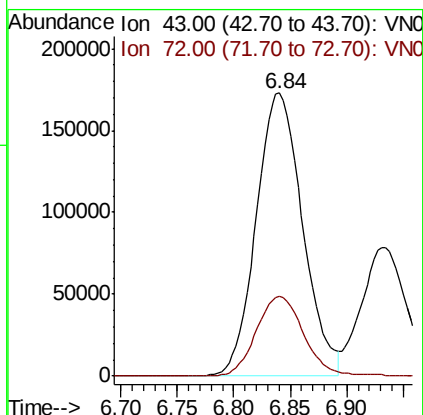
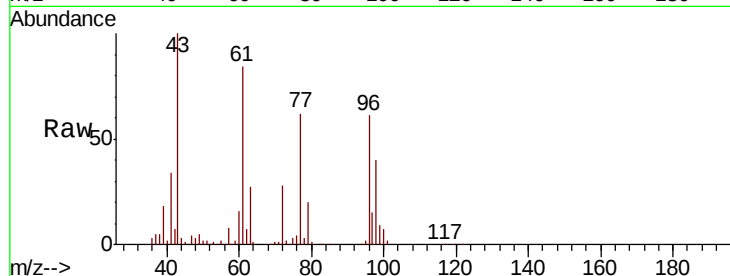




#25
2-Butanone
Concen: 193.96 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

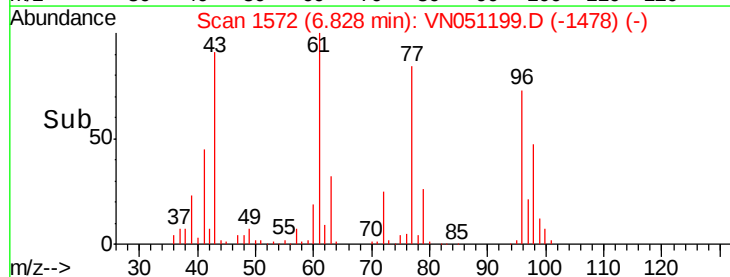
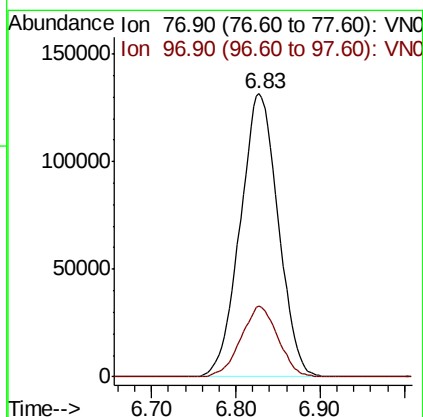
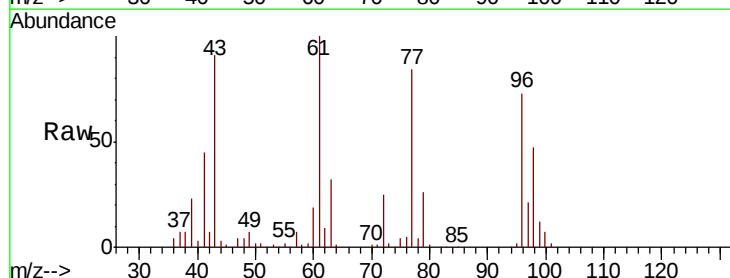
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

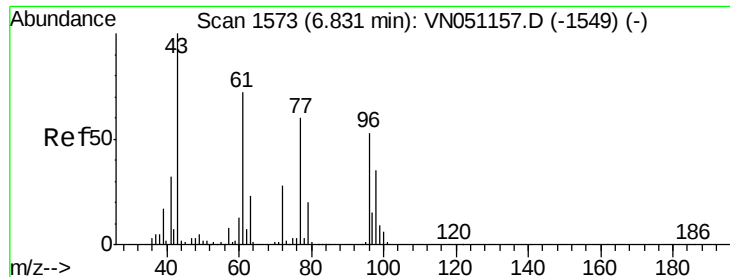
Tot Ion: 43 Resp: 490988
Ion Ratio Lower Upper
43 100
72 28.2 23.0 34.6



#26
2,2-Dichloropropane
Concen: 42.49 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 77 Resp: 411819
Ion Ratio Lower Upper
77 100
97 24.3 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 45.77 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

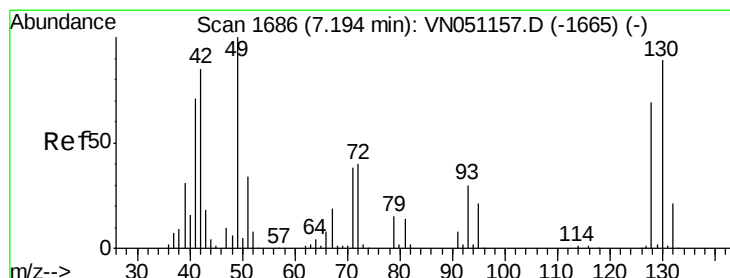
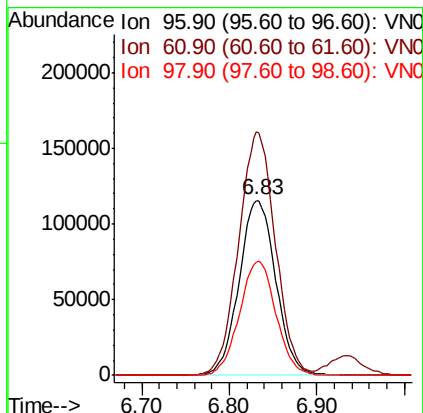
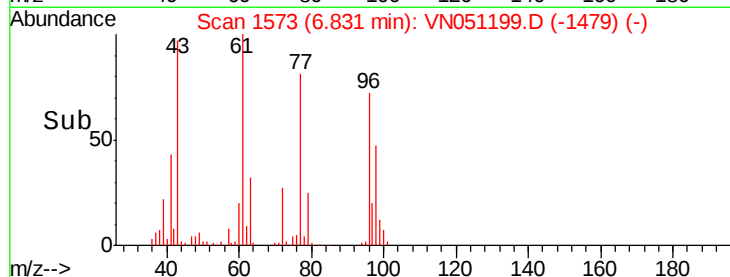
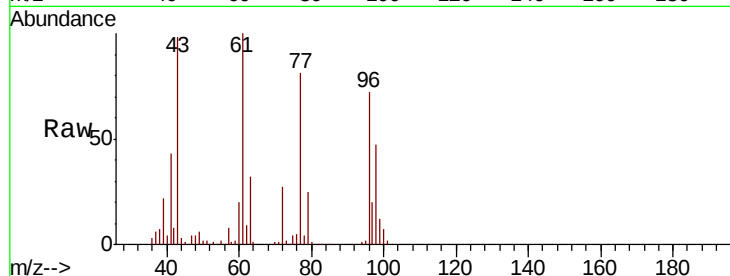
Tot Ion: 96 Resp: 336131

Ion Ratio Lower Upper

96 100

61 139.1 0.0 278.2

98 65.2 0.0 129.4



#28

Bromochloromethane

Concen: 47.68 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

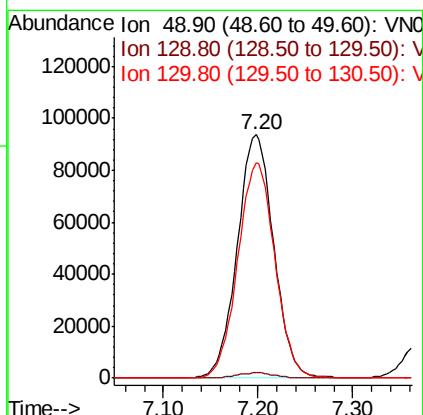
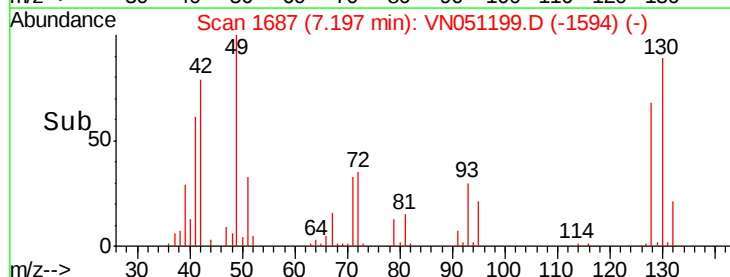
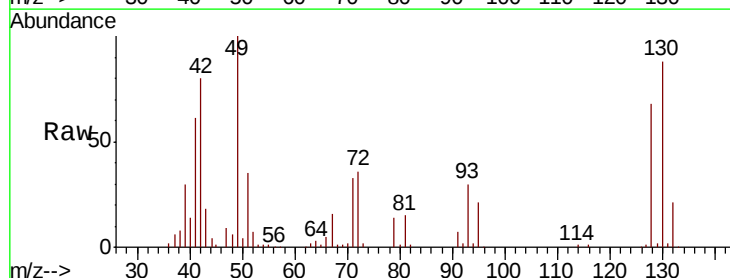
Tgt Ion: 49 Resp: 251317

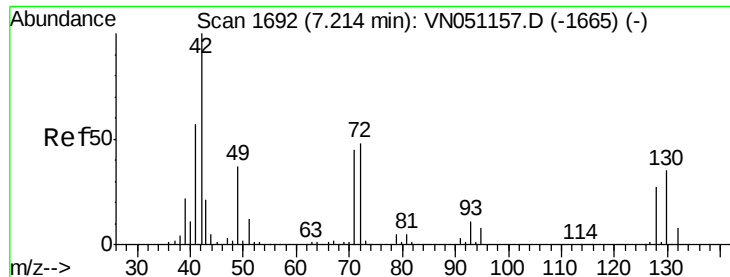
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 89.6 70.7 106.1





#29

Tetrahydrofuran

Concen: 208.26 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

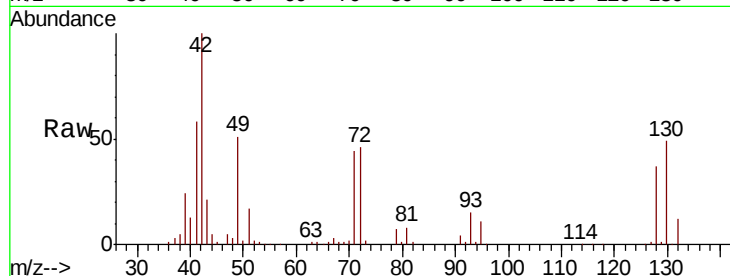
Tot Ion: 42 Resp: 329210

Ion Ratio Lower Upper

42 100

72 46.7 37.4 56.0

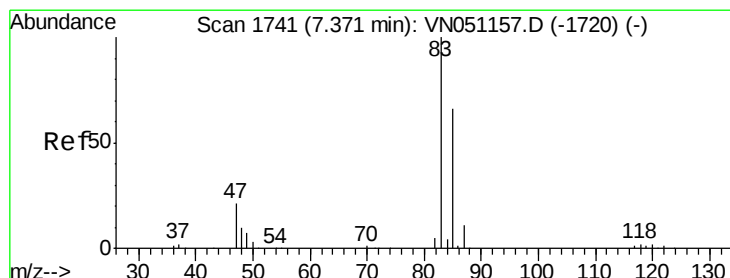
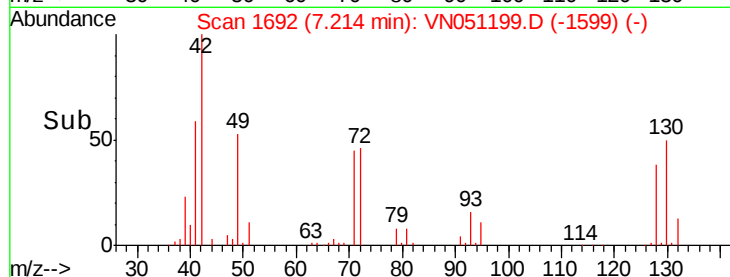
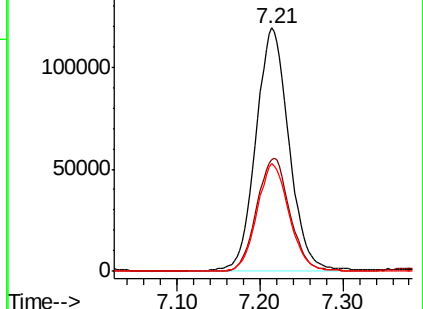
71 43.5 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VN051157.D (-1665) (-)

Ion 72.00 (71.70 to 72.70): VN051157.D (-1665) (-)

Ion 71.00 (70.70 to 71.70): VN051157.D (-1665) (-)



#30

Chloroform

Concen: 48.65 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051199.D

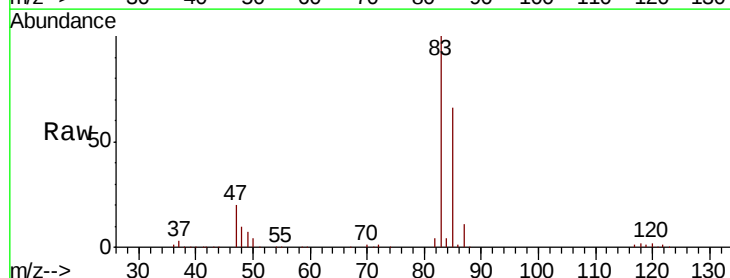
Acq: 14 Sep 2018 19:17

Tgt Ion: 83 Resp: 573121

Ion Ratio Lower Upper

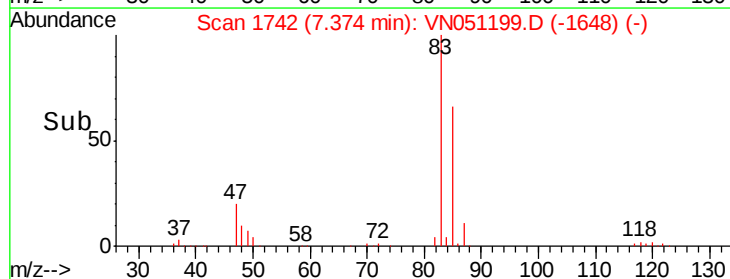
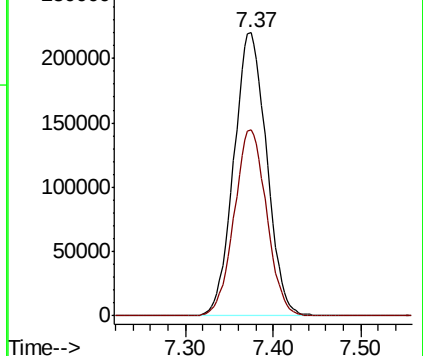
83 100

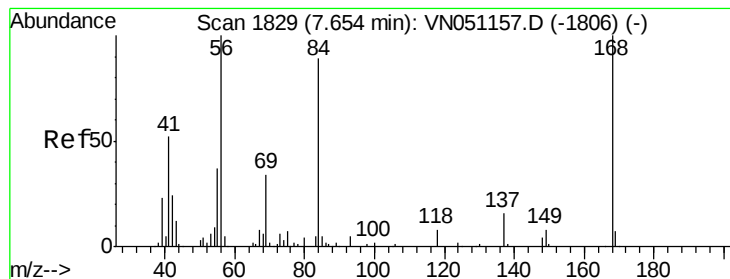
85 65.8 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN051157.D (-1720) (-)

Ion 84.90 (84.60 to 85.60): VN051157.D (-1720) (-)





#31

Cyclohexane

Concen: 43.77 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

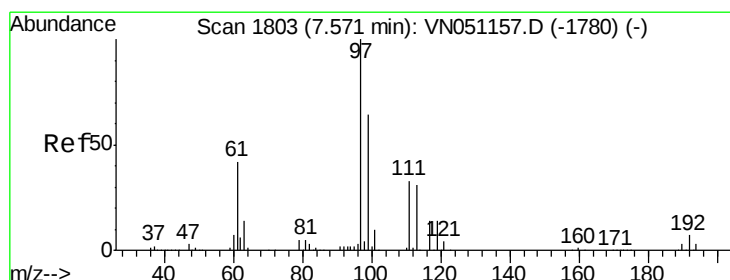
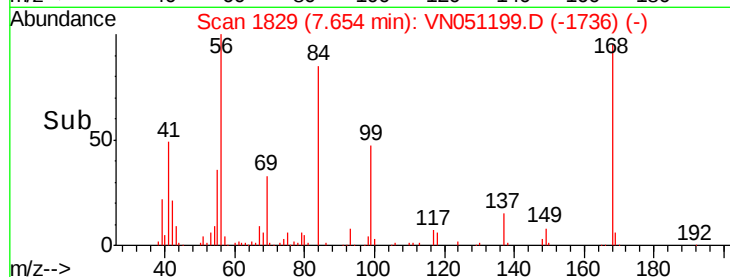
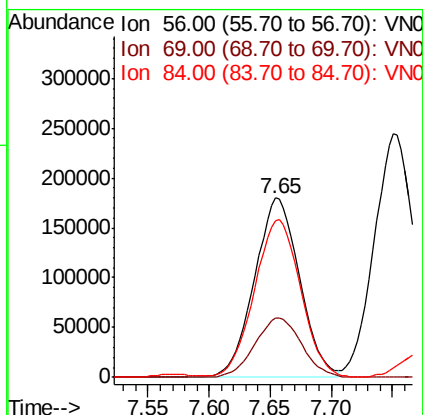
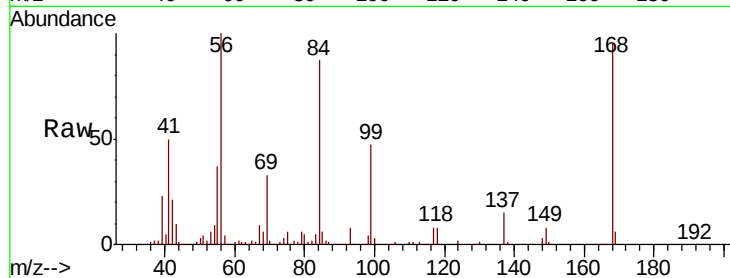
Tot Ion: 56 Resp: 462443

Ion Ratio Lower Upper

56 100

69 33.0 26.3 39.5

84 86.1 69.4 104.0



#32

1,1,1-Trichloroethane

Concen: 47.87 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

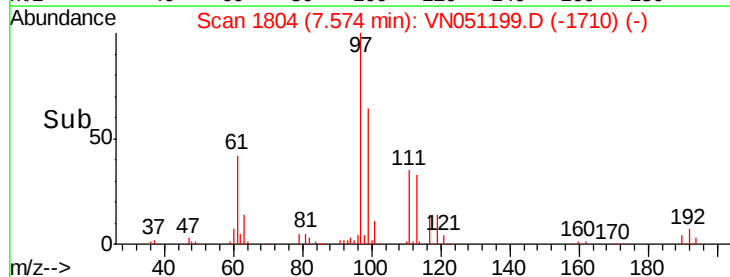
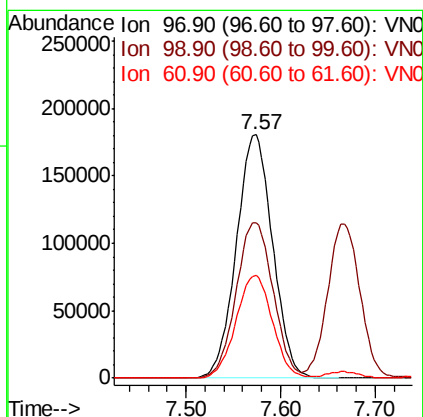
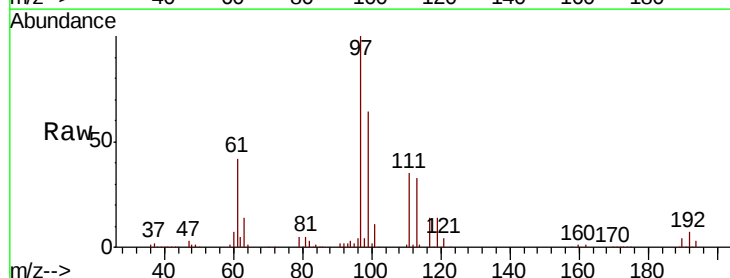
Tgt Ion: 97 Resp: 480521

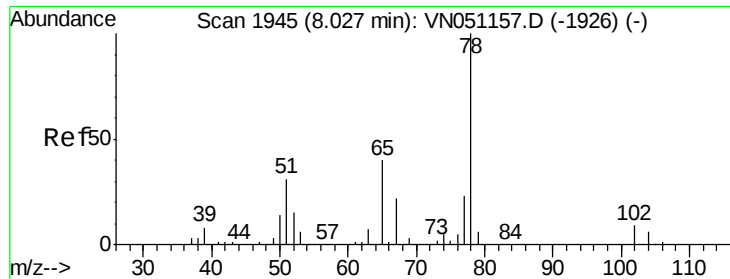
Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 42.5 33.8 50.6

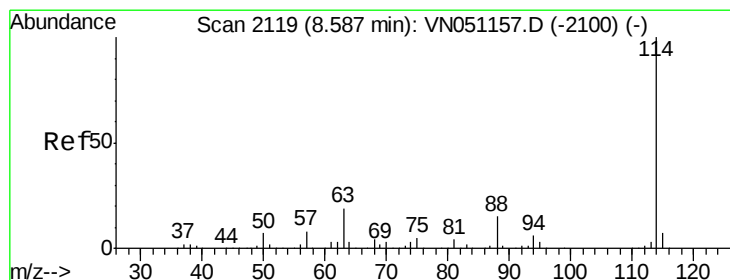
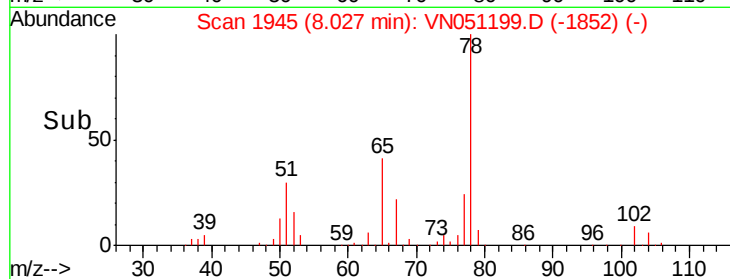
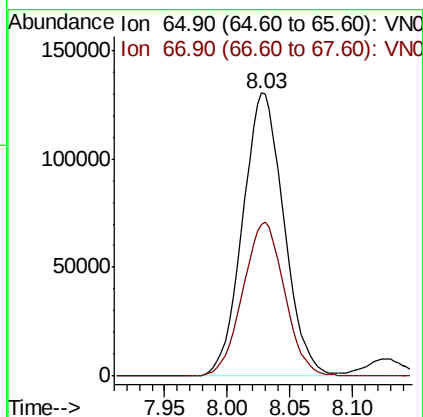
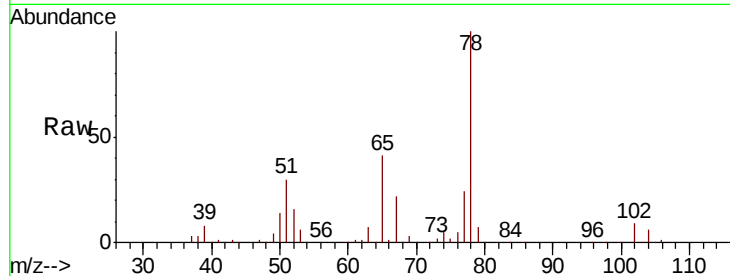




#33
 1,2-Dichloroethane-d4
 Concen: 46.37 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

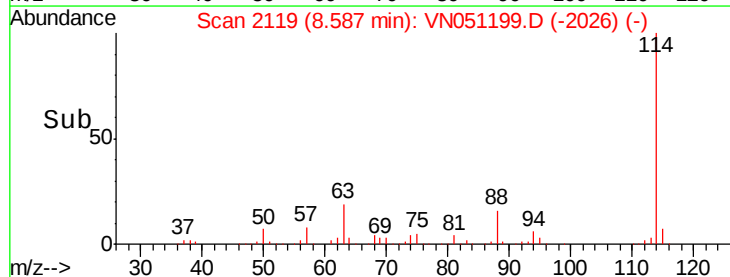
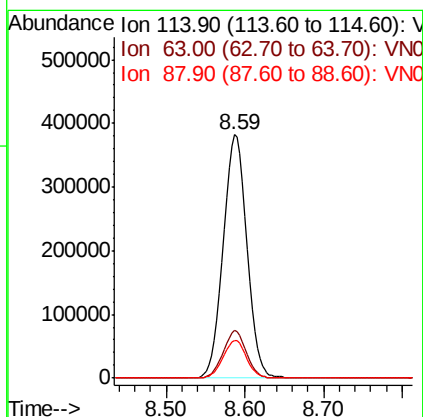
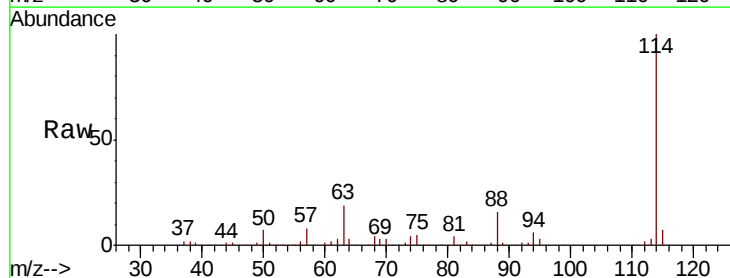
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

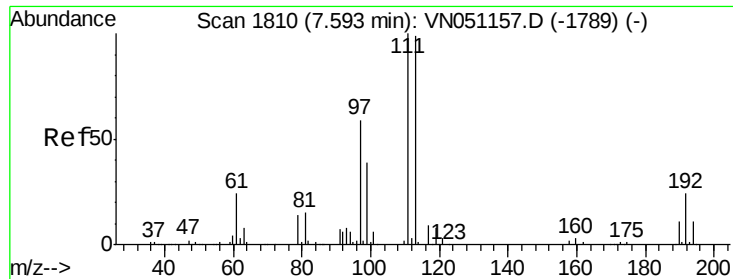
Tot Ion: 65 Resp: 298568
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion: 114 Resp: 795095
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.8
 88 15.5 0.0 30.8

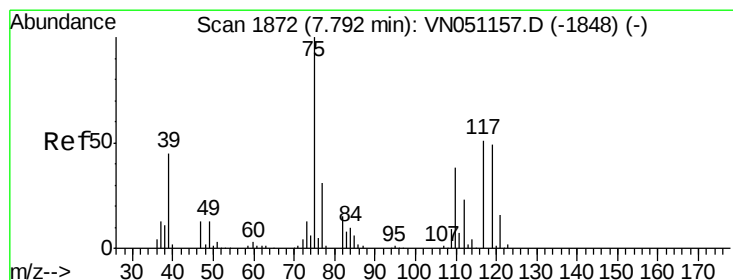
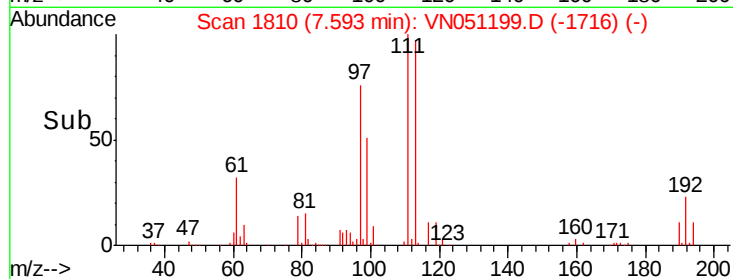
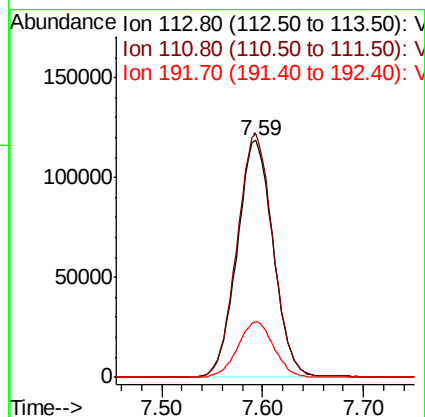
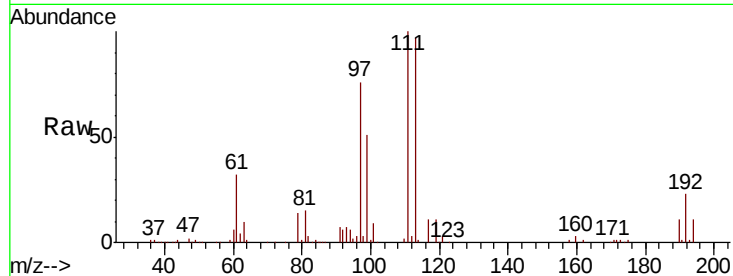




#35
 Dibromofluoromethane
 Concen: 49.33 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

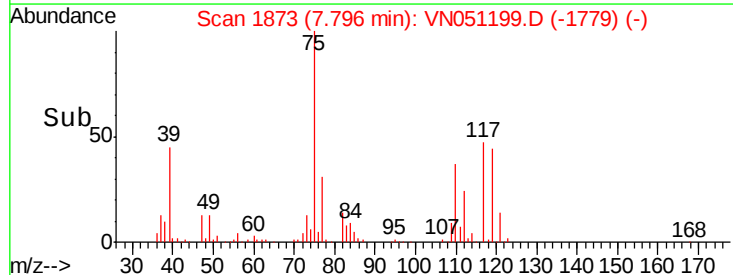
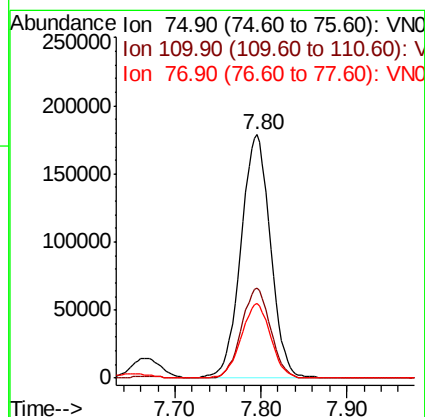
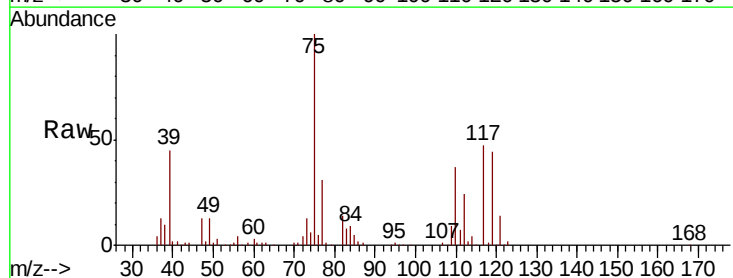
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

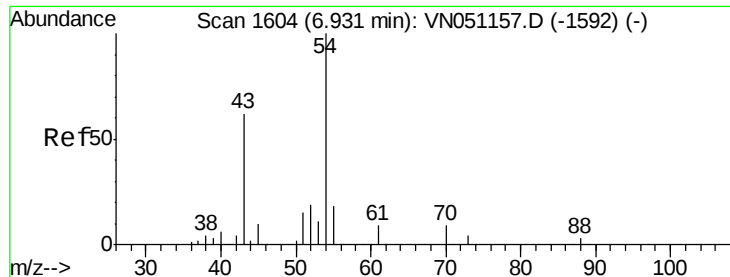
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.6
192	23.5	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 48.67 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.6	55.8
77	31.0	25.2	37.8

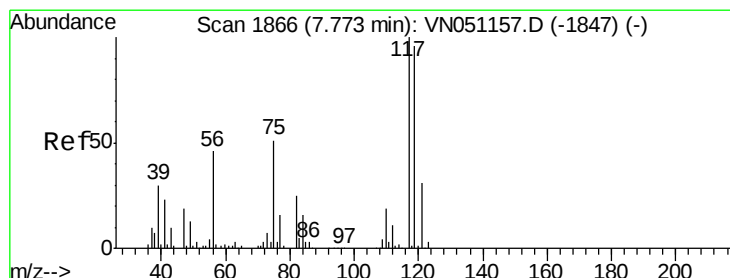
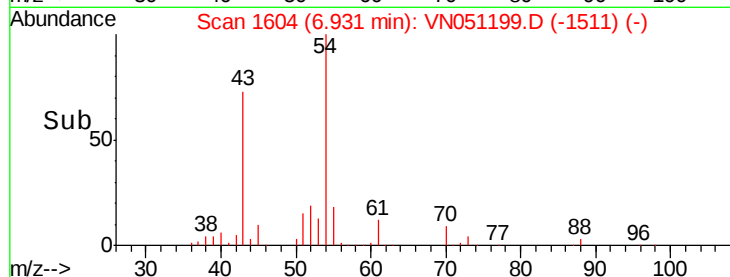
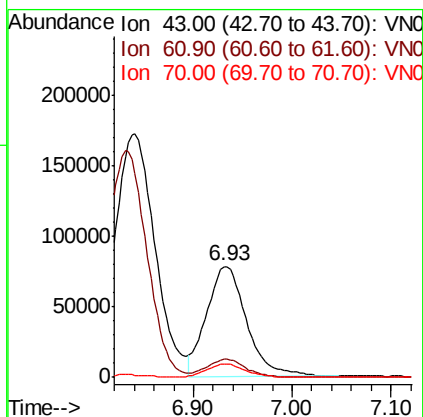
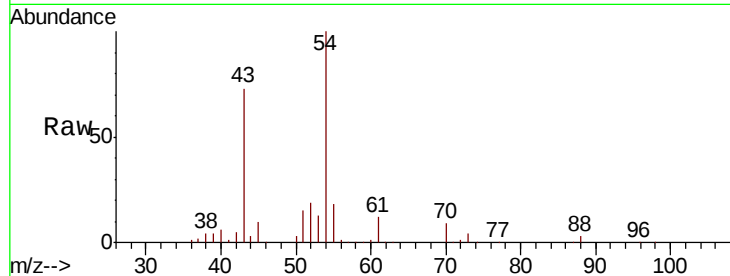




#37
Ethyl Acetate
Concen: 43.69 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

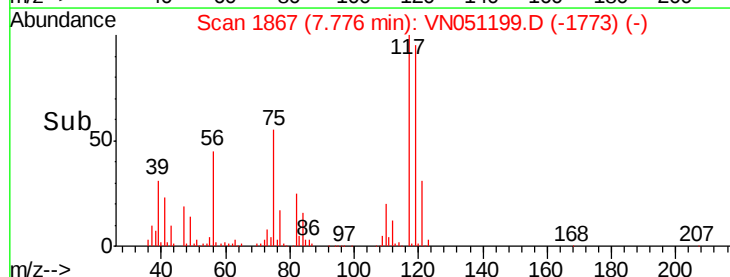
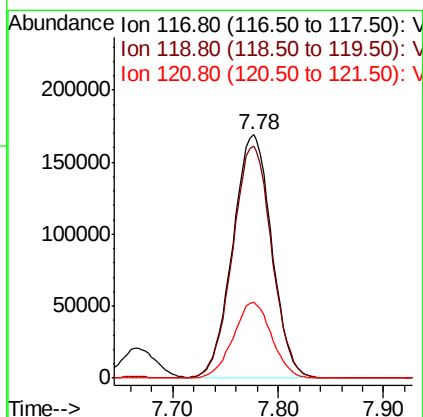
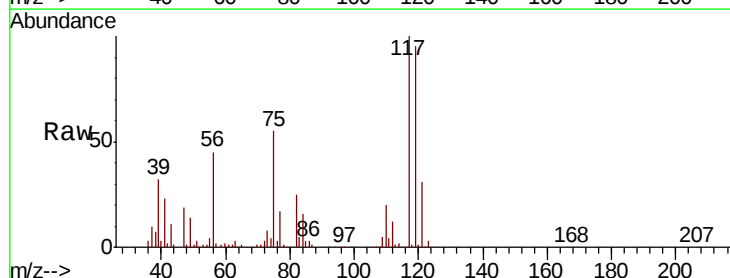
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

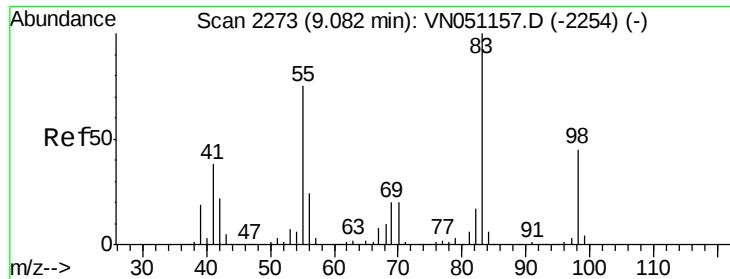
Tot Ion: 43 Resp: 220904
Ion Ratio Lower Upper
43 100
61 16.1 12.4 18.6
70 11.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 50.60 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 117 Resp: 434770
Ion Ratio Lower Upper
117 100
119 95.4 76.8 115.2
121 30.9 24.6 36.8

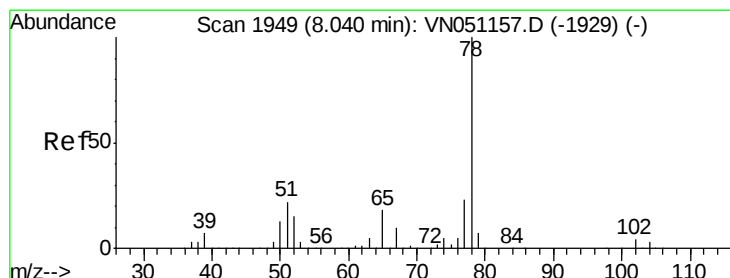
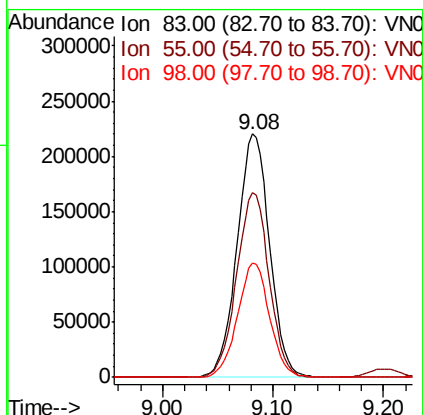
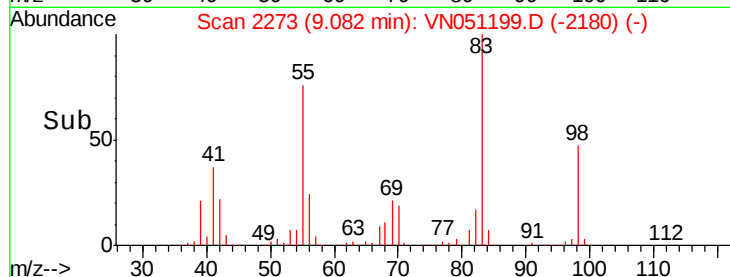
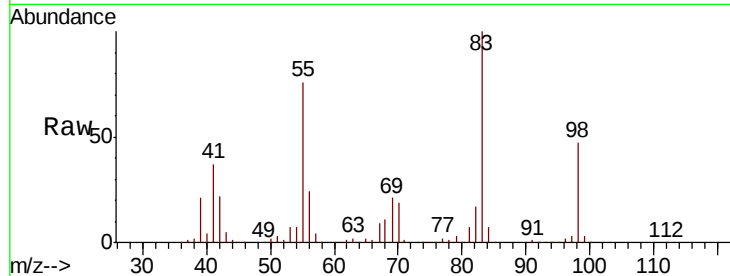




#39
Methvlcvclohexane
Concen: 46.59 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

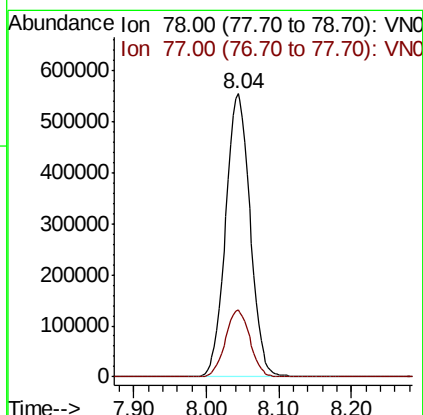
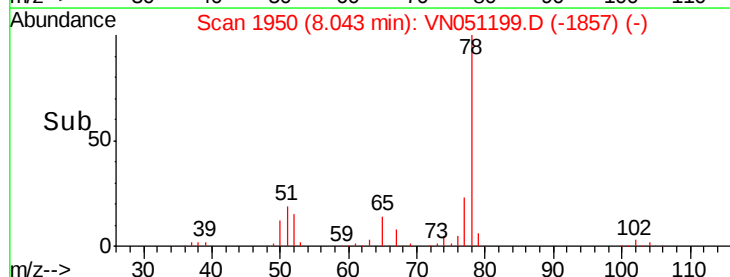
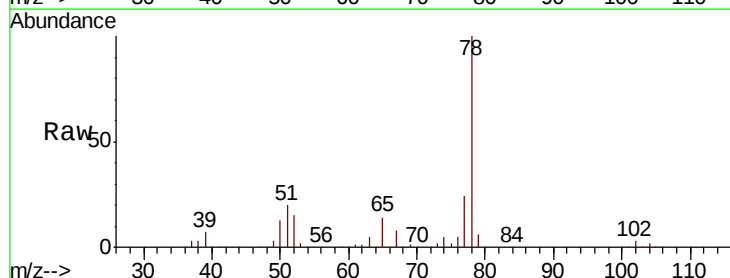
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

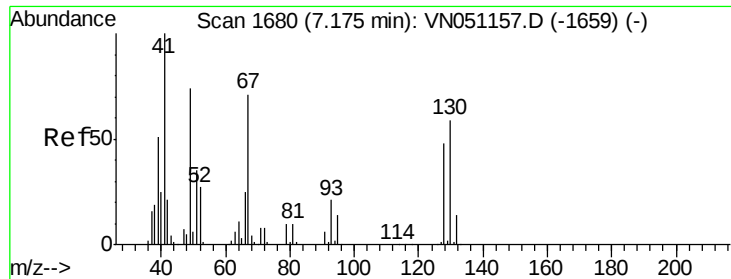
Tot Ion: 83 Resp: 448748
Ion Ratio Lower Upper
83 100
55 76.0 58.4 87.6
98 47.1 37.3 55.9



#40
Benzene
Concen: 49.52 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 78 Resp: 1302633
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8

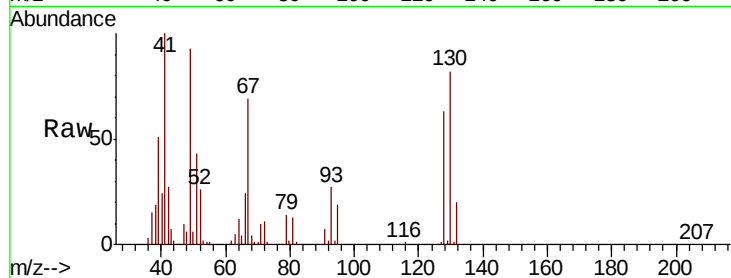




#41
Methacrylonitrile
Concen: 49.32 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	128658
Ion	Ratio	Lower	Upper
41	100		
39	51.9	51.3	76.9
67	85.1	78.5	117.7
52	32.5	29.0	43.6



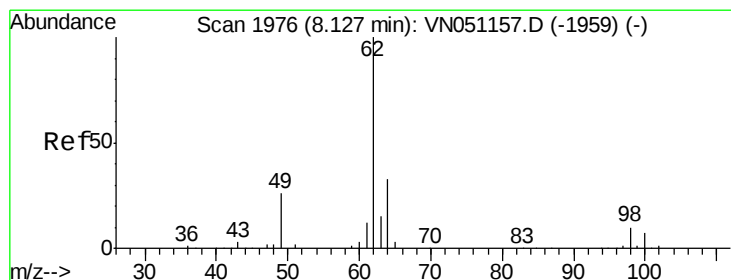
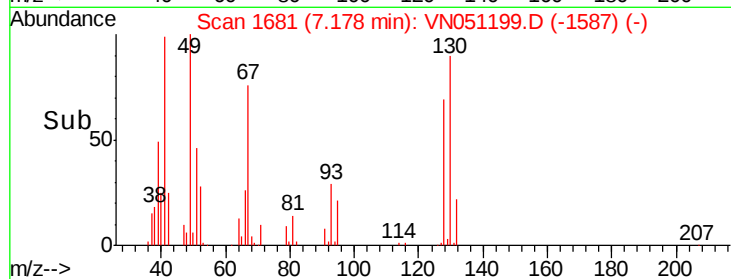
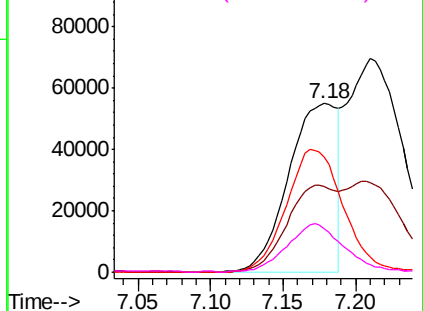
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

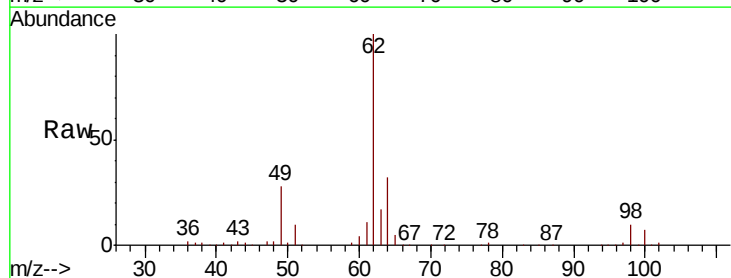
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 49.61 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

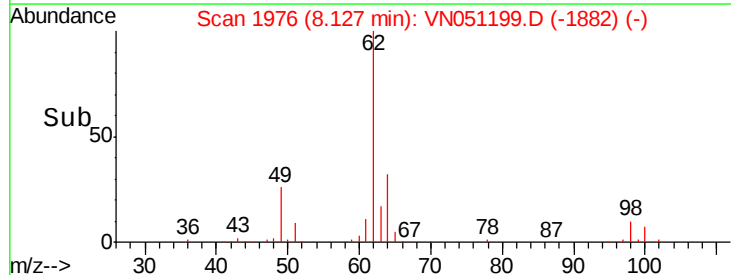
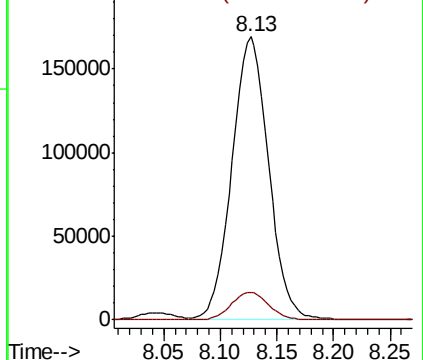
Tgt Ion:	62	Resp:	380334
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	21.0

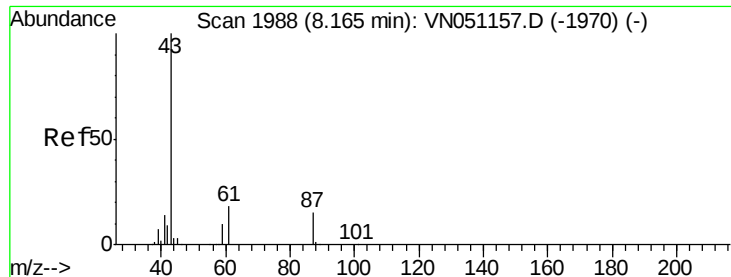


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 47.36 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

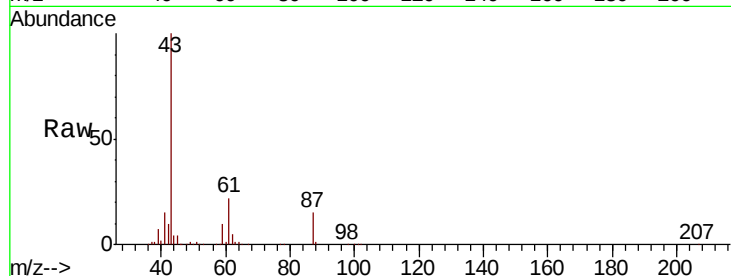
Tot Ion: 43 Resp: 422528

Ion Ratio Lower Upper

43 100

61 20.5 25.0 37.6#

87 13.9 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051157.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051157.D (-1970) (-)

250000

200000

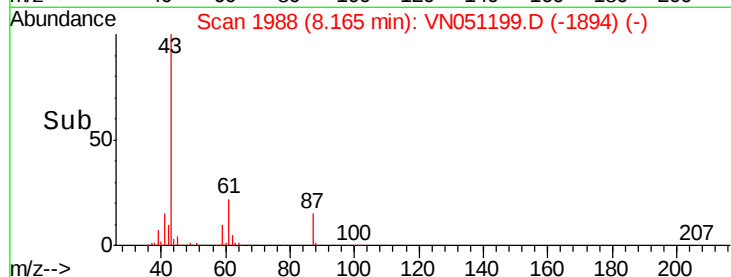
150000

100000

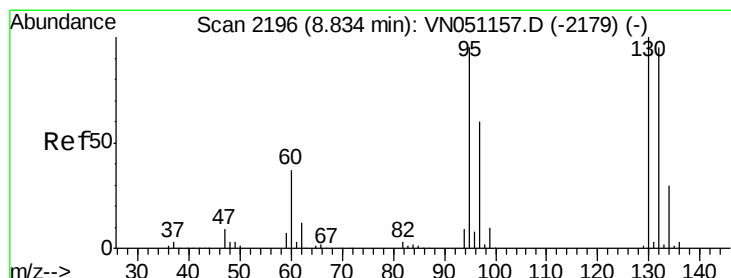
50000

0

8.05 8.10 8.15 8.20 8.25



Time-->



#44

Trichloroethene

Concen: 48.18 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051199.D

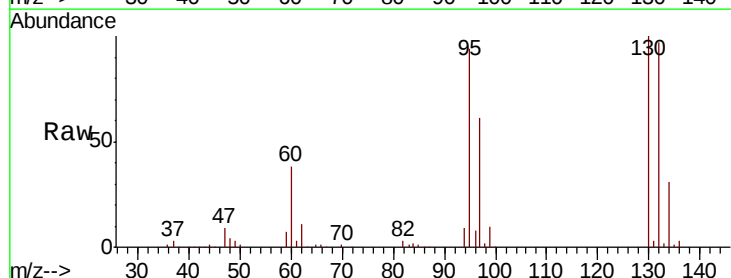
Acq: 14 Sep 2018 19:17

Tgt Ion: 130 Resp: 346615

Ion Ratio Lower Upper

130 100

95 94.0 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051157.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051157.D (-2179) (-)

200000

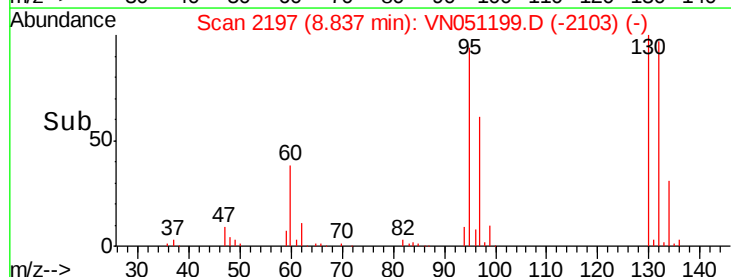
150000

100000

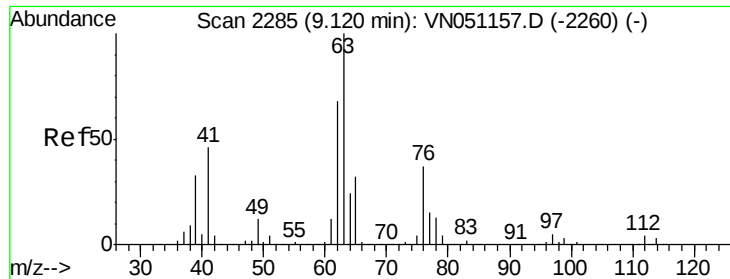
50000

0

8.80 8.90



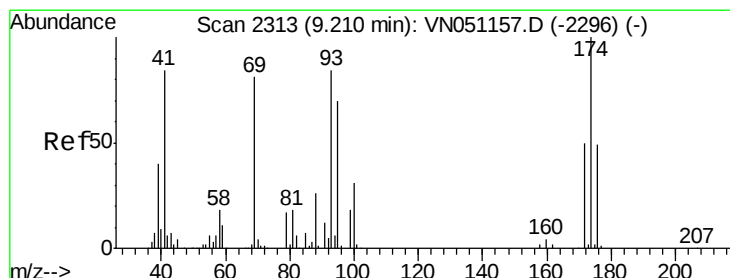
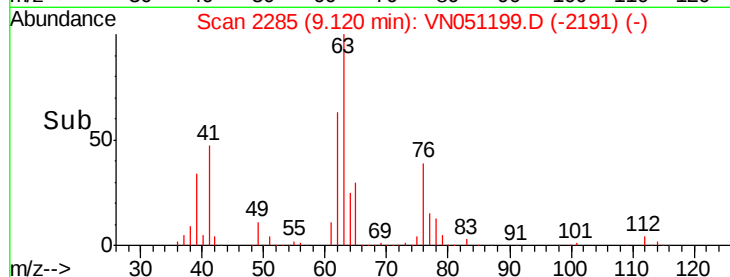
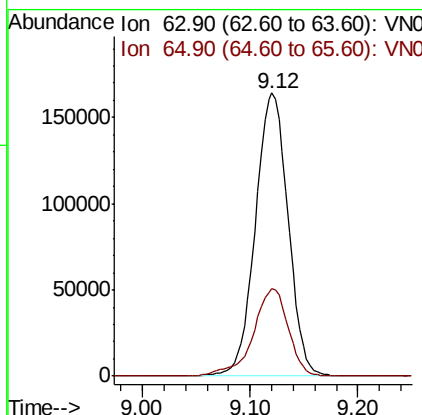
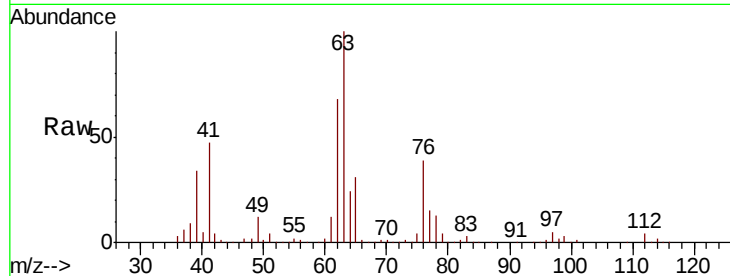
Time-->



#45
 1,2-Dichloropropane
 Concen: 50.76 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

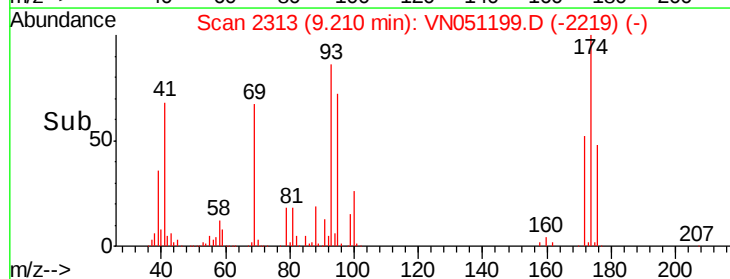
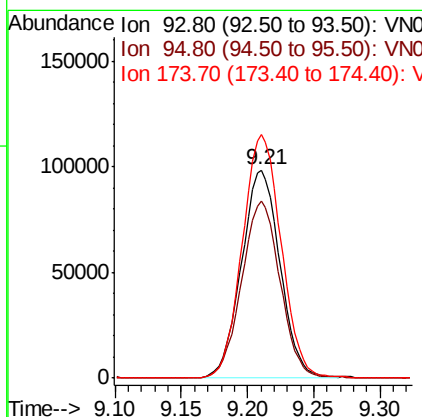
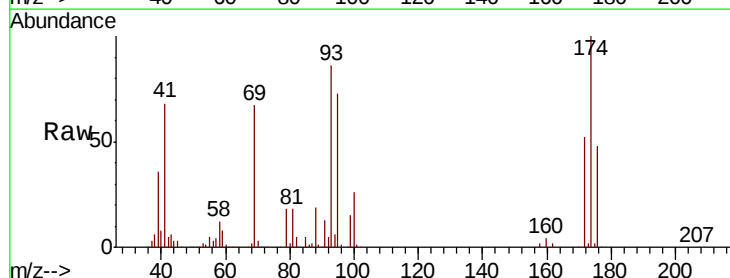
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

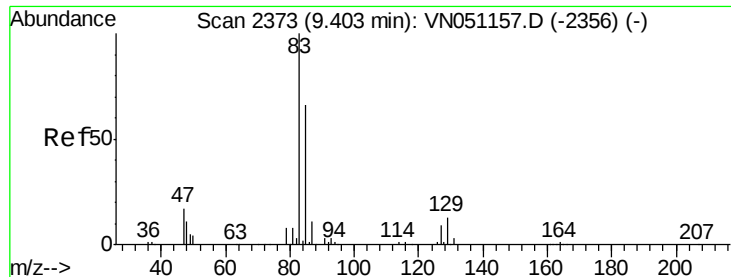
Tot Ion: 63 Resp: 345029
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



#46
 Dibromomethane
 Concen: 48.10 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion: 93 Resp: 199462
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.8 100.2
 174 117.9 93.3 139.9

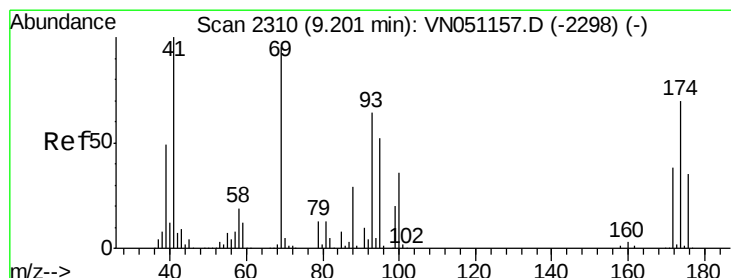
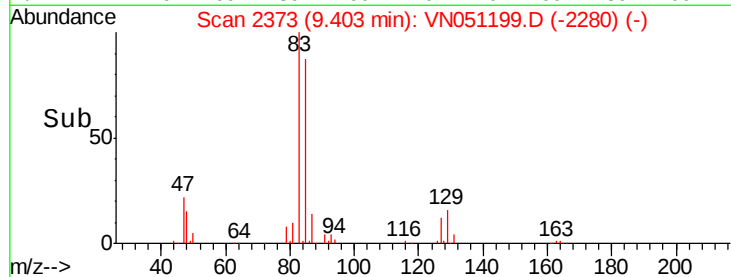
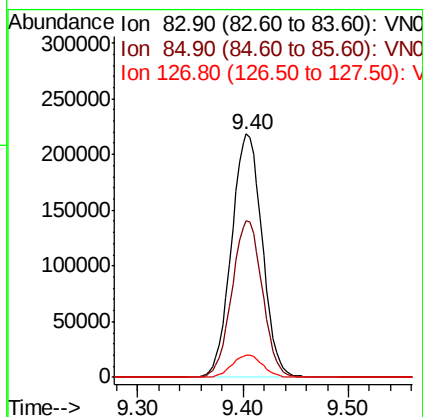
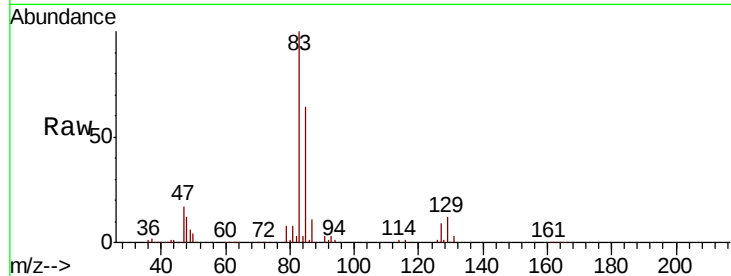




#47
Bromodichloromethane
Concen: 52.16 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

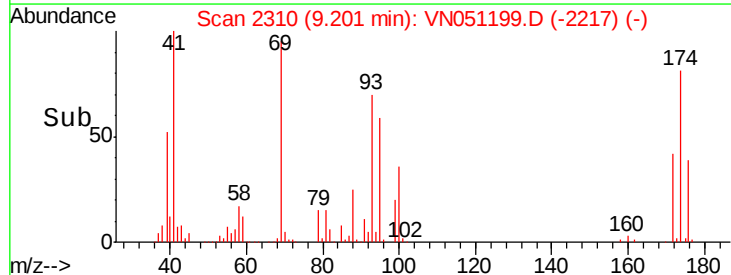
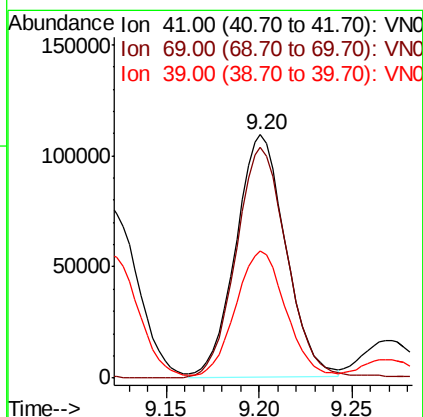
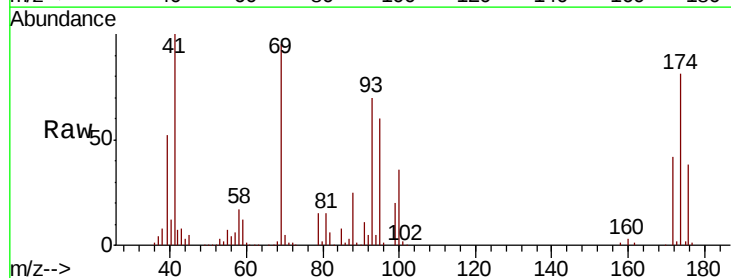
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

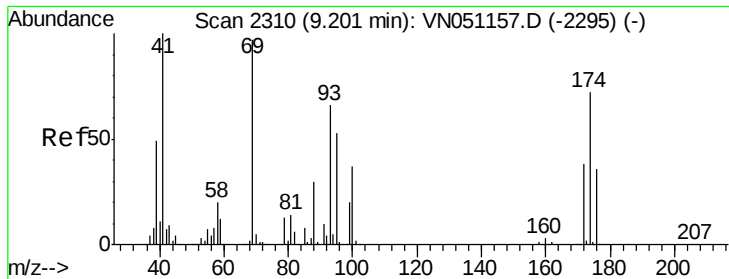
Tot Ion: 83 Resp: 439844
Ion Ratio Lower Upper
83 100
85 64.2 52.3 78.5
127 9.0 7.5 11.3



#48
Methyl methacrylate
Concen: 46.82 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 41 Resp: 203531
Ion Ratio Lower Upper
41 100
69 97.6 77.7 116.5
39 52.8 41.6 62.4

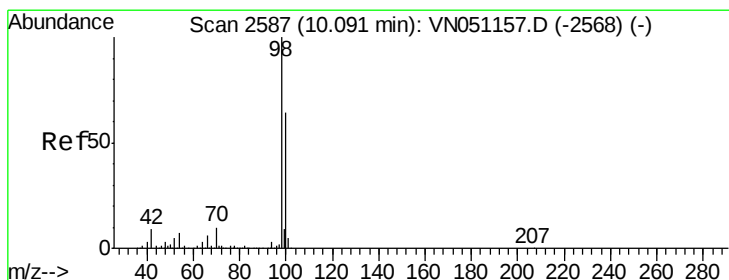
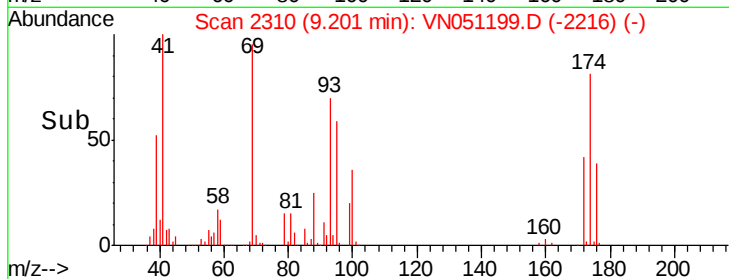
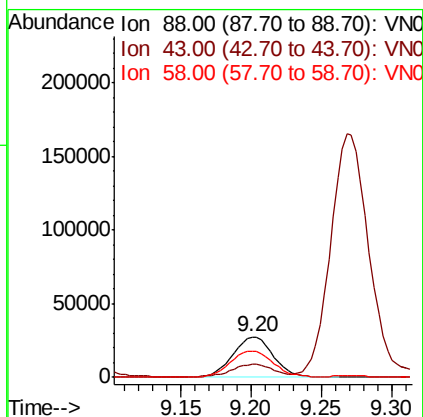
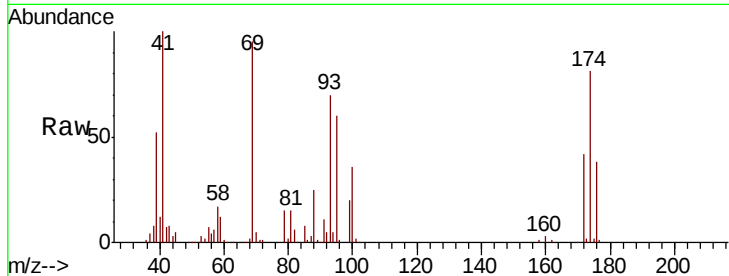




#49
1,4-Dioxane
Concen: 819.57 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

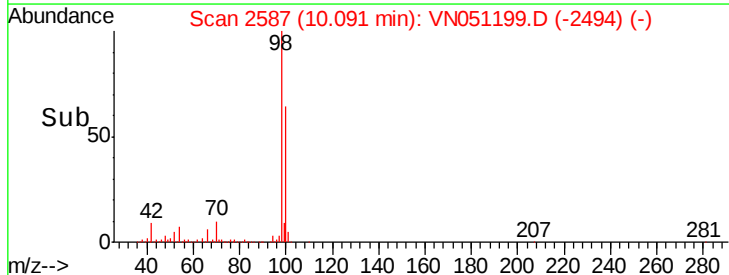
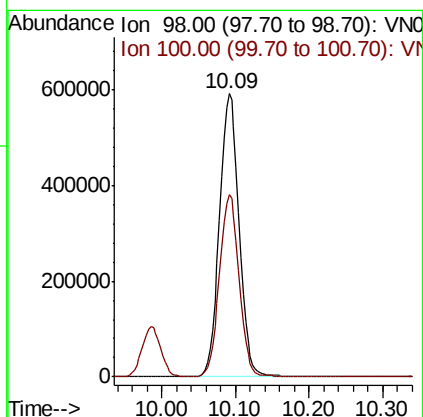
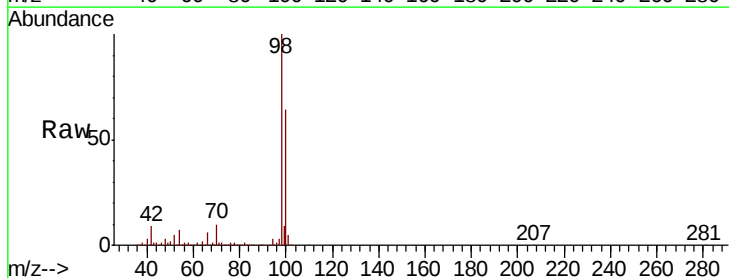
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

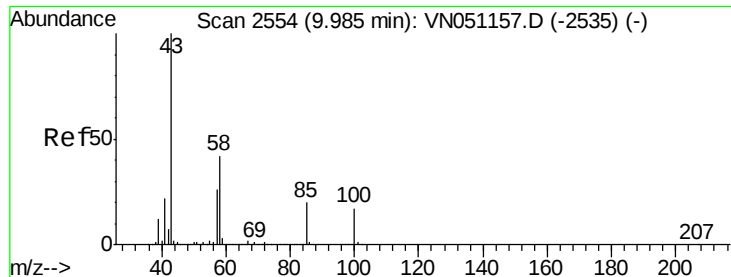
Tot Ion: 88 Resp: 55871
Ion Ratio Lower Upper
88 100
43 31.0 23.7 35.5
58 68.6 54.6 82.0



#50
Toluene-d8
Concen: 48.09 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 98 Resp: 1090369
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 228.83 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

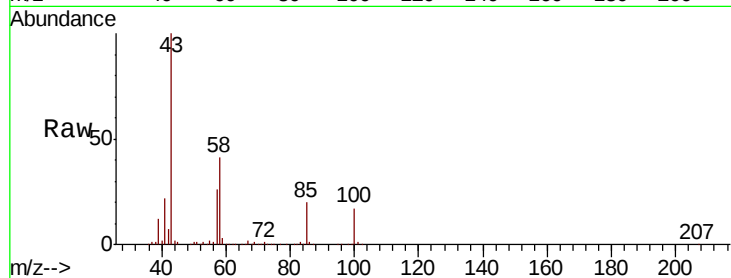
VSTDCCC050

Tot Ion: 43 Resp: 1128852

Ion Ratio Lower Upper

43 100

58 41.5 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN051157.D (-2535) (-)

9.99

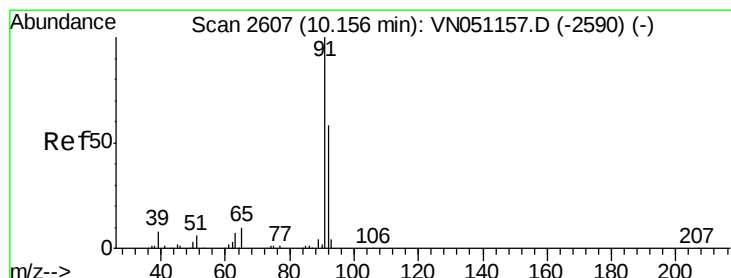
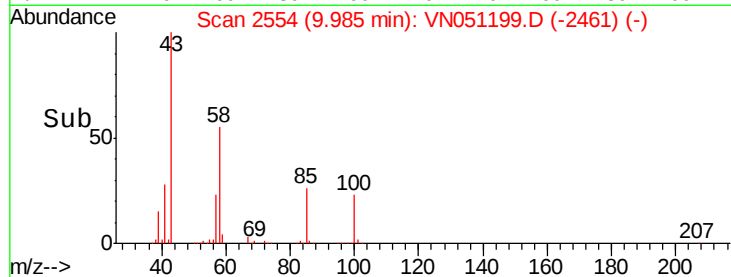
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.22 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051199.D

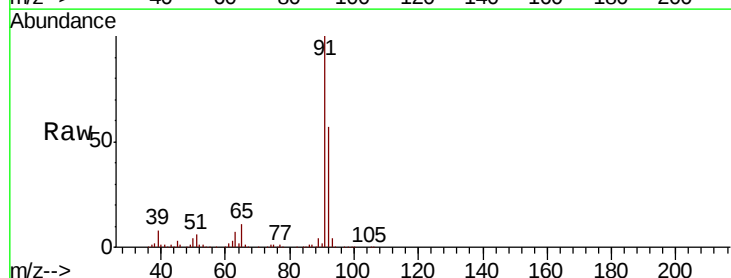
Acq: 14 Sep 2018 19:17

Tgt Ion: 92 Resp: 805519

Ion Ratio Lower Upper

92 100

91 176.5 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN051157.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051157.D (-2590) (-)

10.16

800000

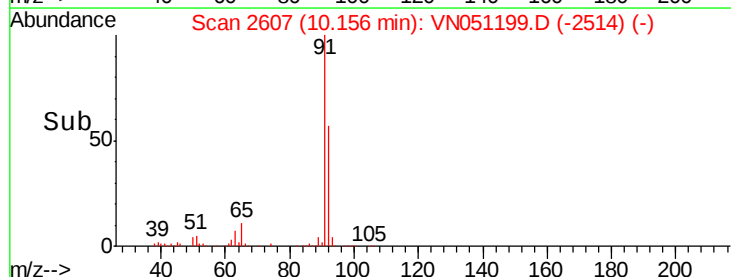
600000

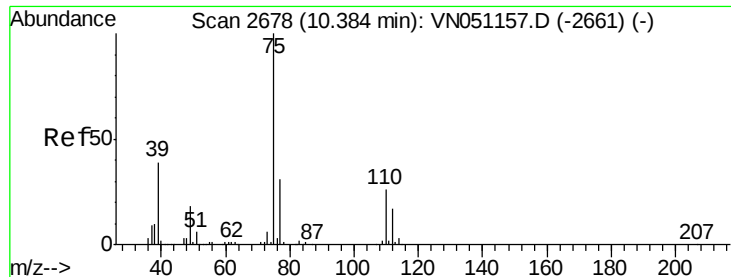
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.08 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

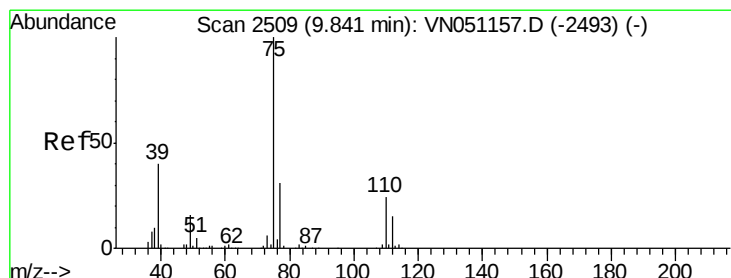
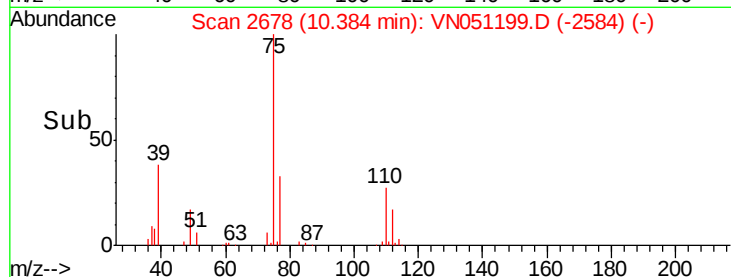
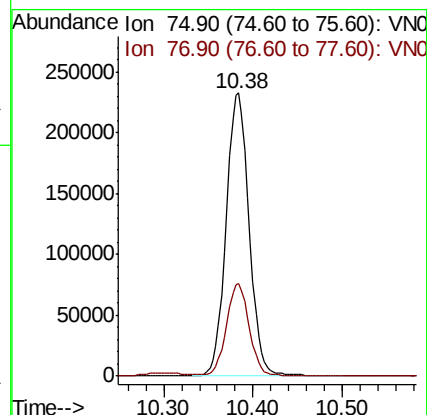
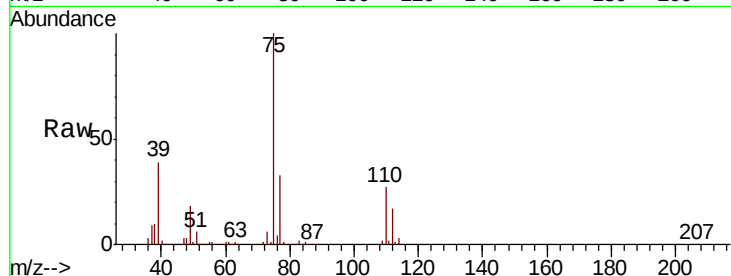
VSTDCCC050

Tot Ion: 75 Resp: 414176

Ion Ratio Lower Upper

75 100

77 32.7 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 49.61 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

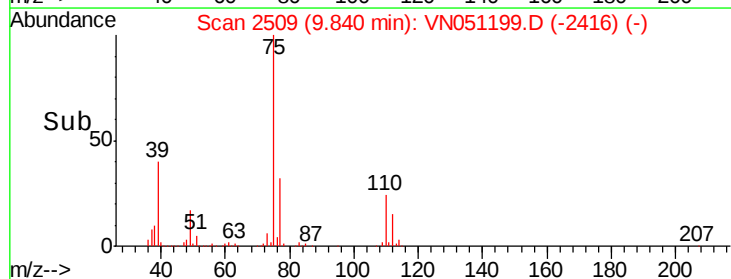
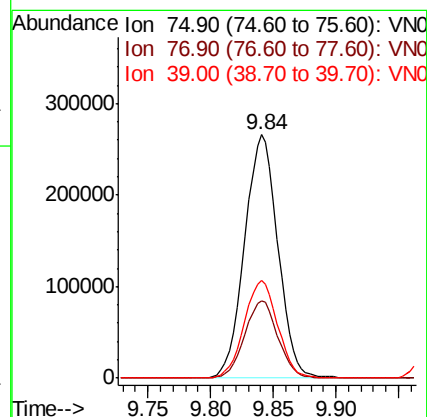
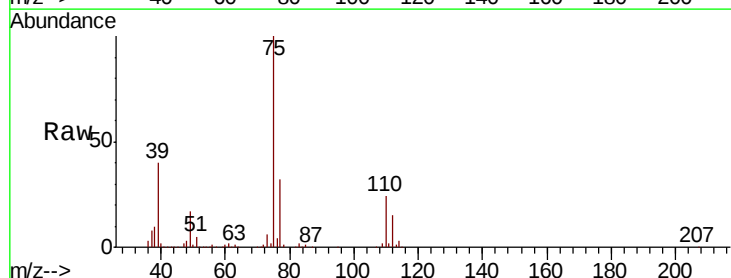
Tgt Ion: 75 Resp: 490940

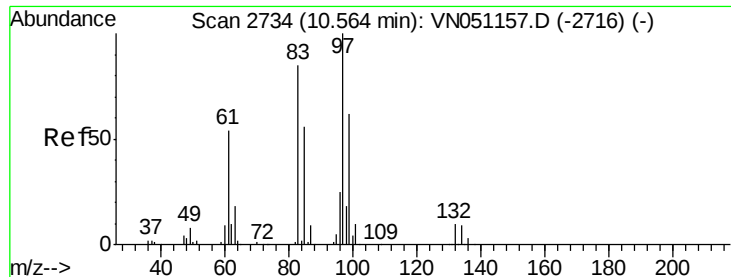
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 40.0 31.9 47.9

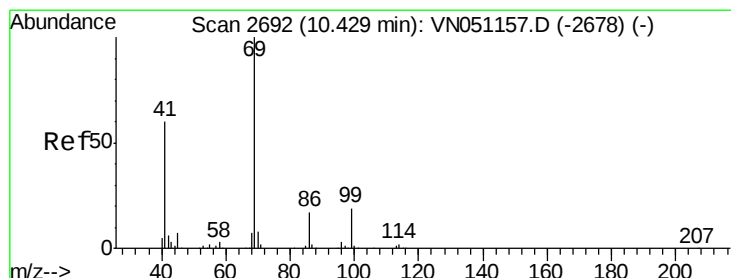
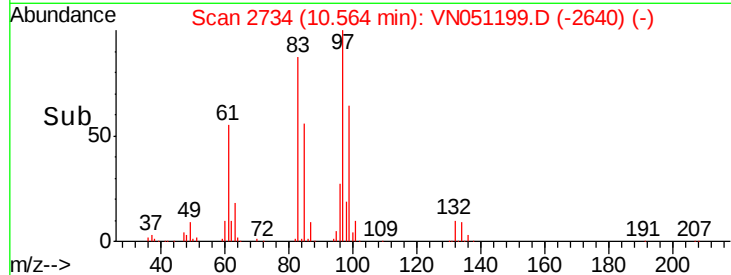
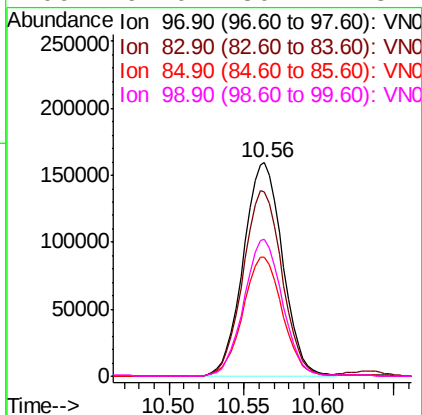
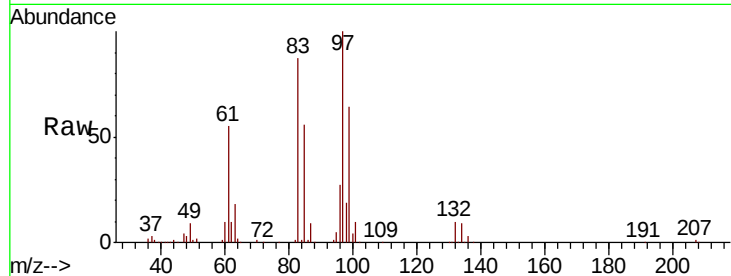




#55
 1,1,2-Trichloroethane
 Concen: 50.04 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

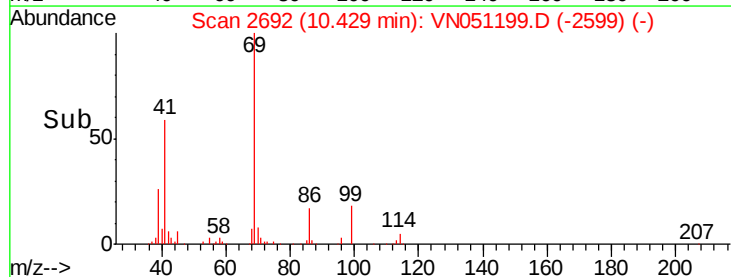
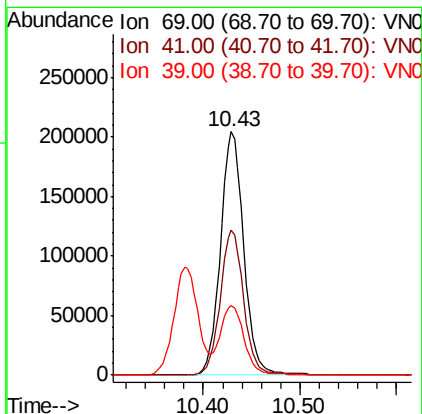
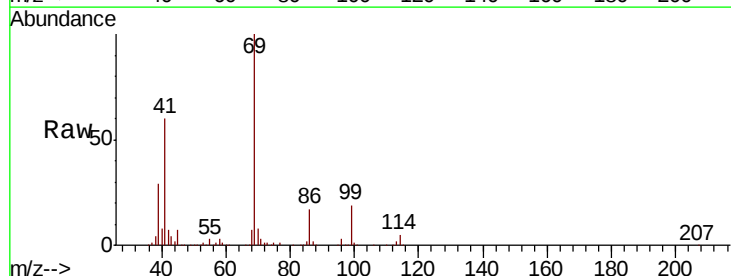
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

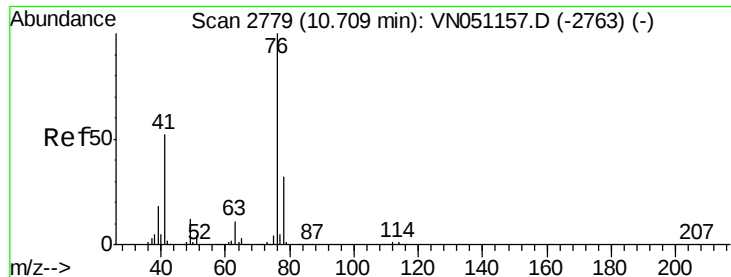
Tot Ion:	97	Resp:	291552
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.2	102.2
85	55.9	44.8	67.2
99	64.0	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 43.92 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion:	69	Resp:	340988
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.8	71.8
39	29.8	23.0	34.4





#57

1,3-Dichloropropane

Concen: 49.70 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

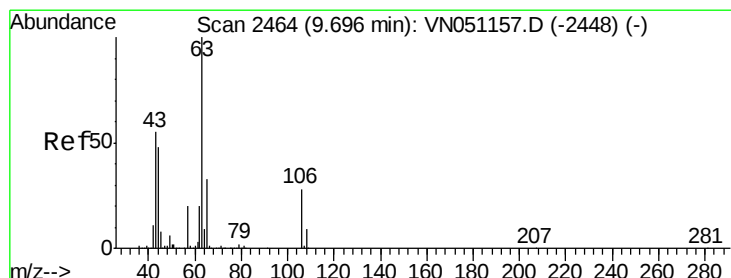
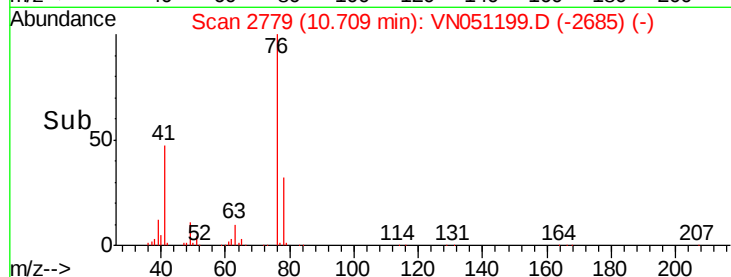
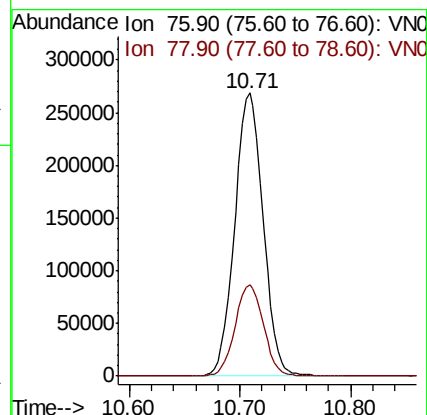
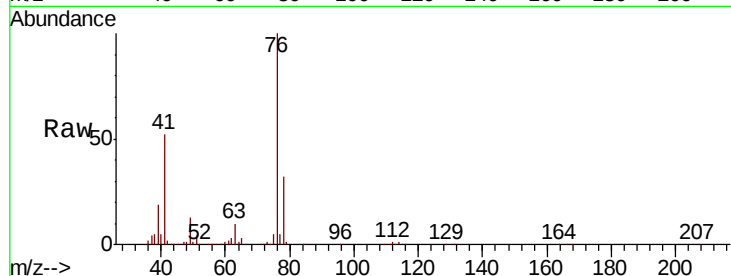
VSTDCCC050

Tot Ion: 76 Resp: 480080

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 211.83 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051199.D

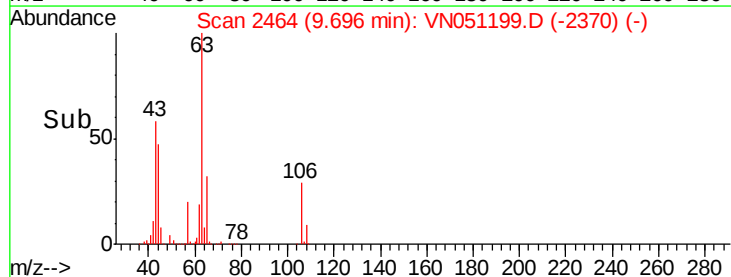
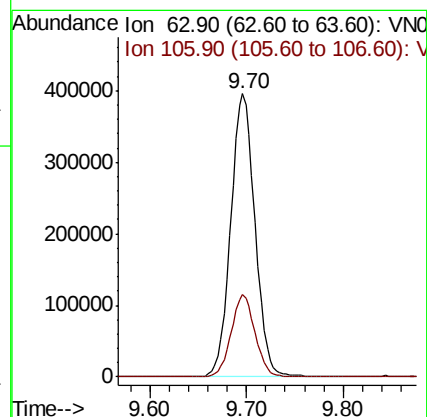
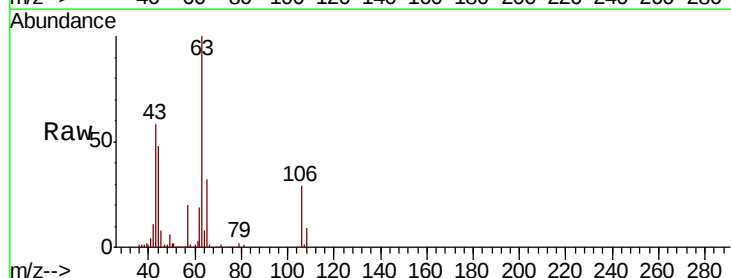
Acq: 14 Sep 2018 19:17

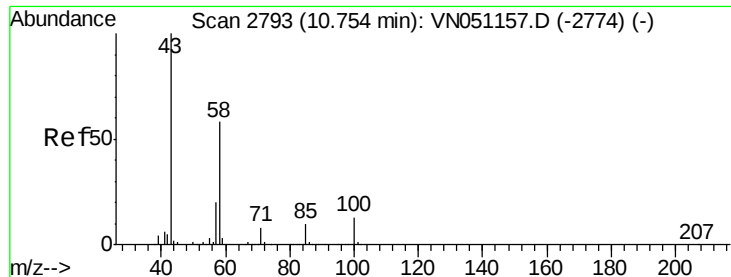
Tgt Ion: 63 Resp: 688140

Ion Ratio Lower Upper

63 100

106 28.6 22.5 33.7

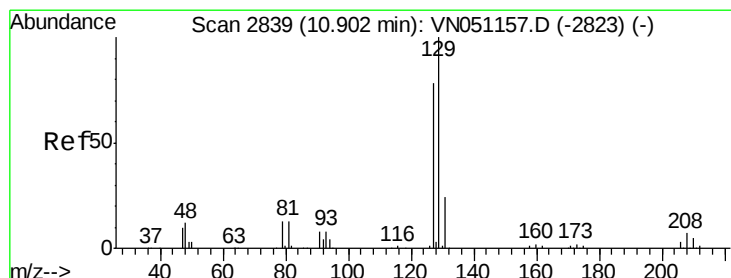
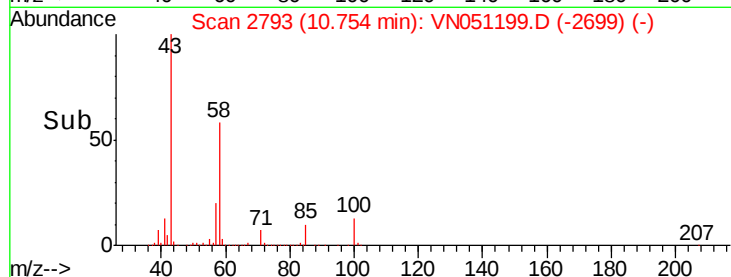
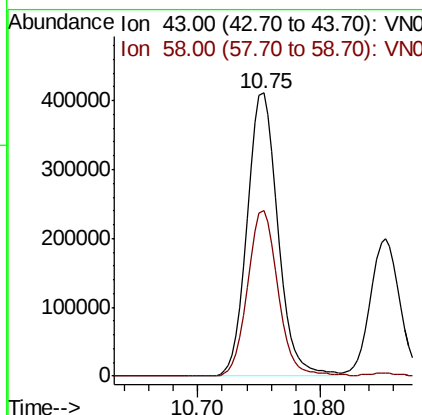
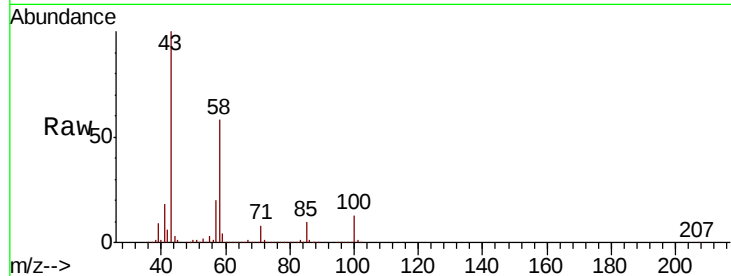




#59
2-Hexanone
Concen: 212.13 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

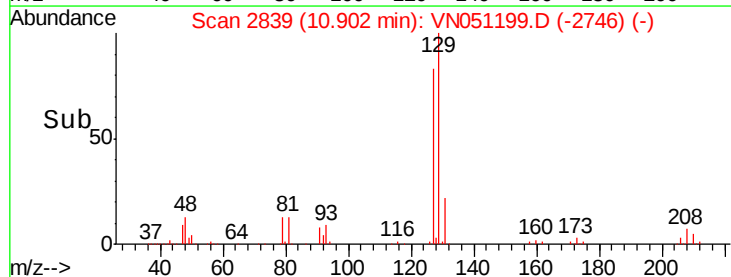
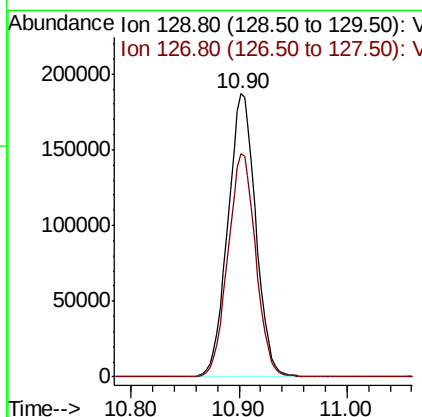
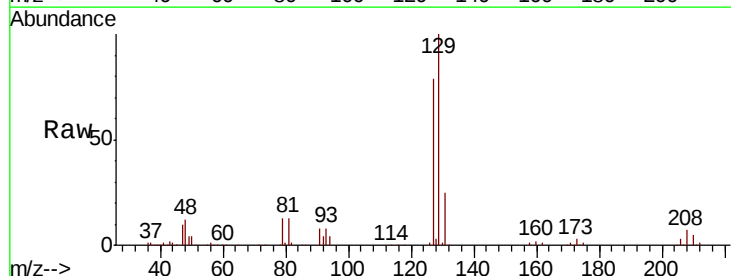
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

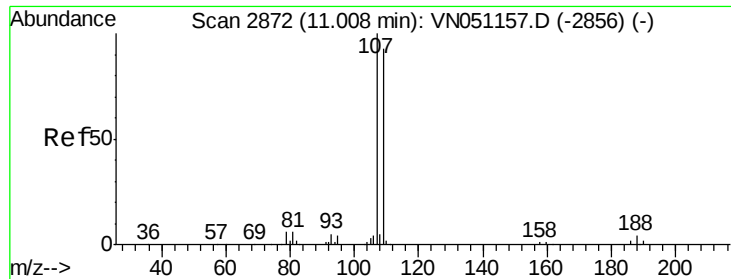
Tot Ion: 43 Resp: 709689
Ion Ratio Lower Upper
43 100
58 58.0 29.3 88.0



#60
Dibromochloromethane
Concen: 51.31 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 129 Resp: 336982
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.80 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

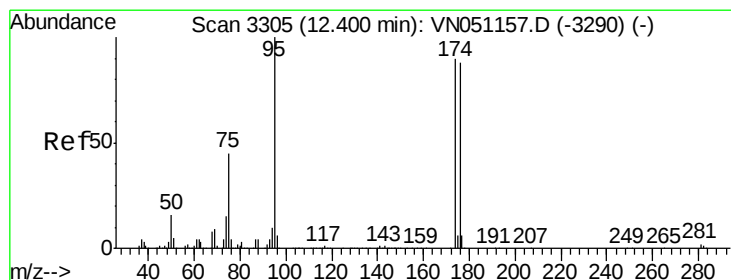
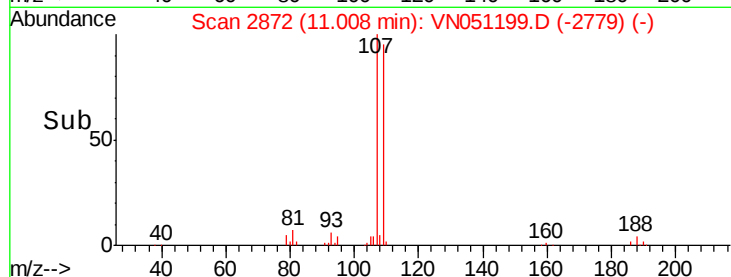
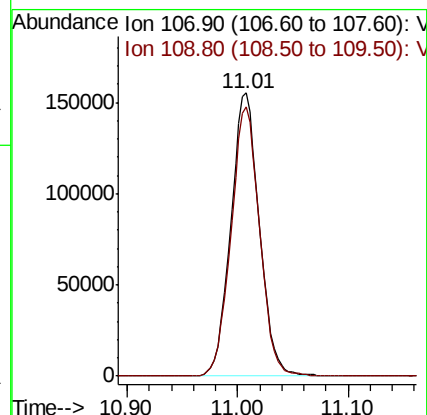
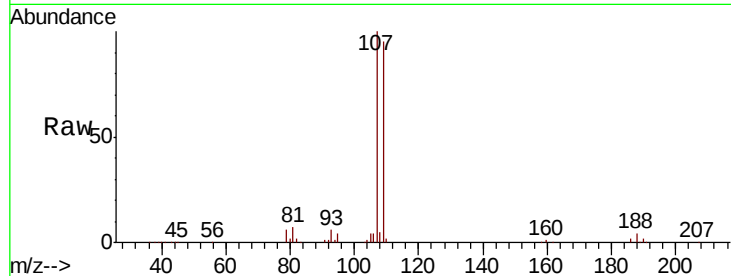
VSTDCCC050

Tot Ion:107 Resp: 277938

Ion Ratio Lower Upper

107 100

109 95.3 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 47.63 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

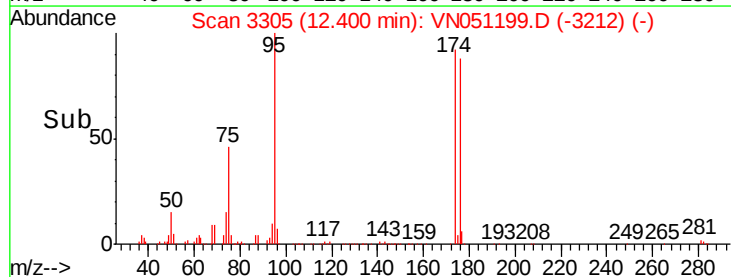
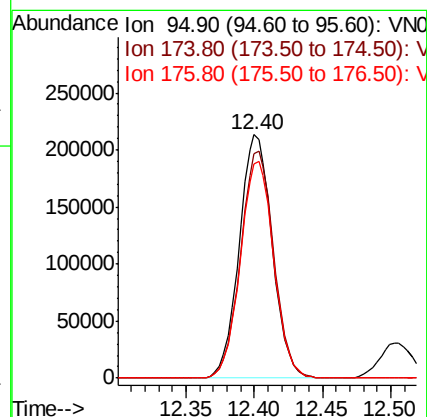
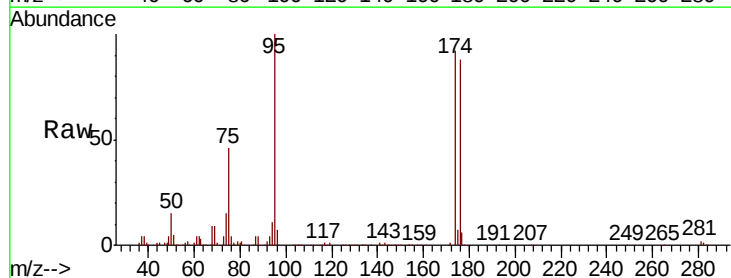
Tgt Ion: 95 Resp: 357226

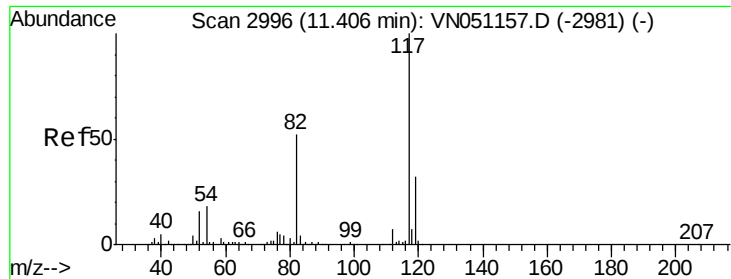
Ion Ratio Lower Upper

95 100

174 93.8 0.0 184.8

176 90.2 0.0 178.6

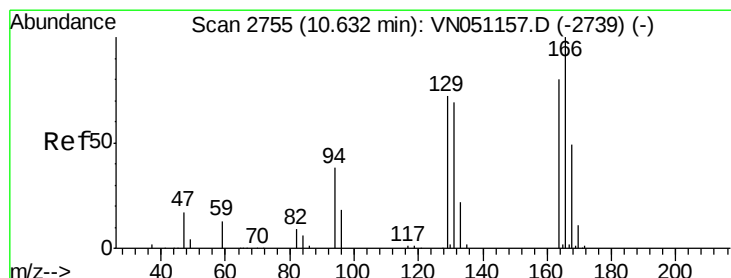
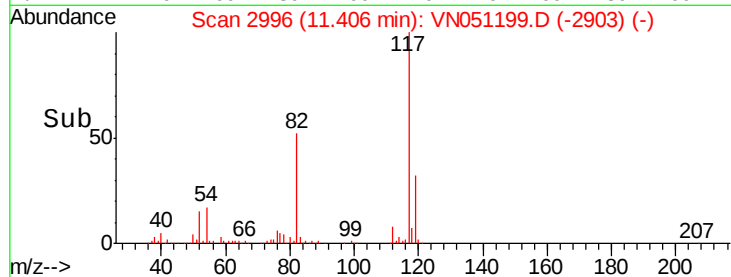
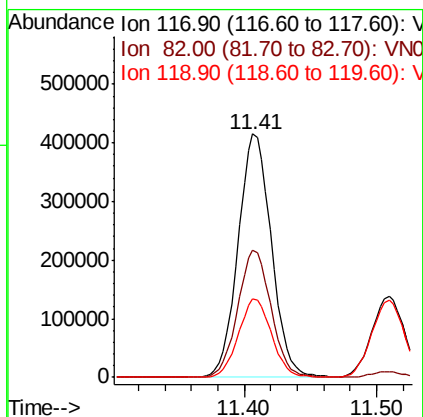
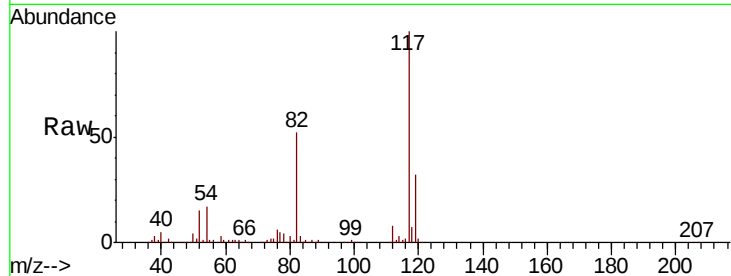




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

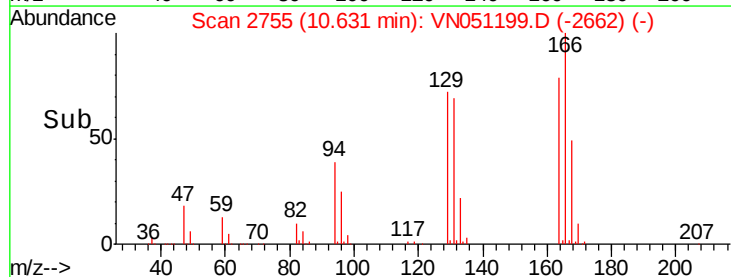
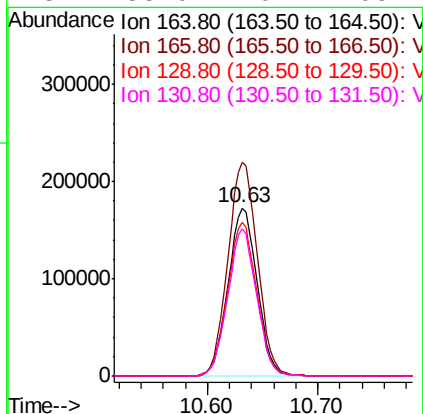
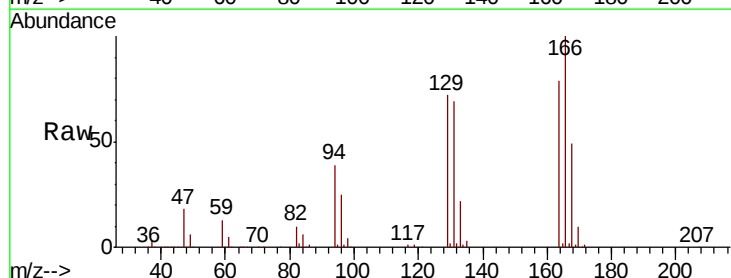
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

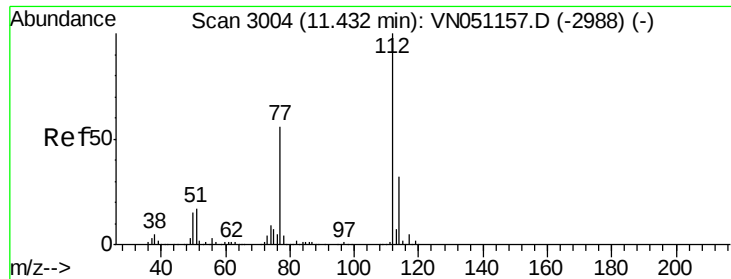
Tot Ion:117 Resp: 723212
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.6
119 32.0 26.2 39.2



#64
Tetrachloroethene
Concen: 47.83 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion:164 Resp: 315619
Ion Ratio Lower Upper
164 100
166 127.3 101.3 151.9
129 91.6 72.2 108.2
131 88.0 70.2 105.2

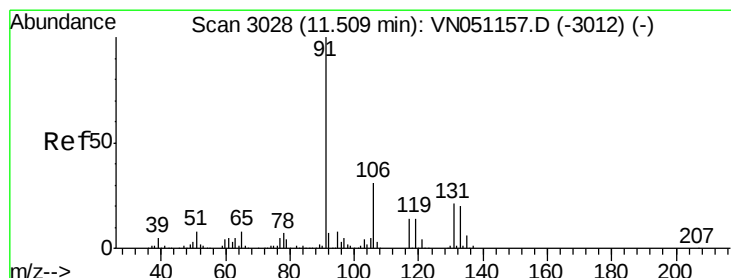
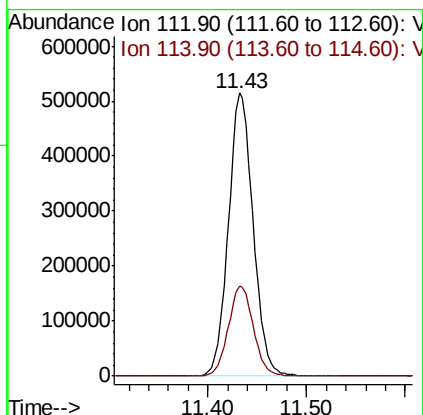
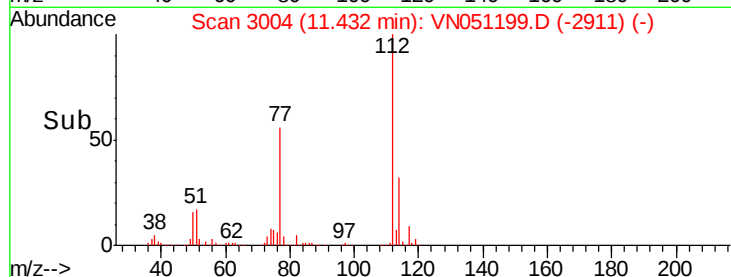
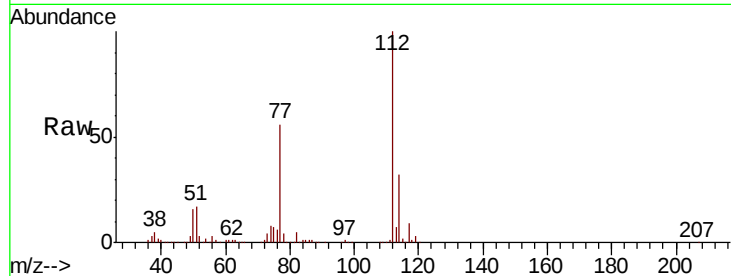




#65
Chlorobenzene
Concen: 49.40 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

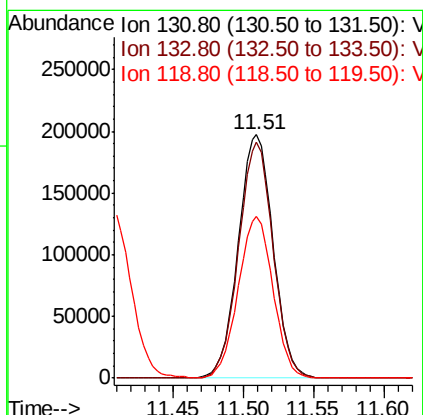
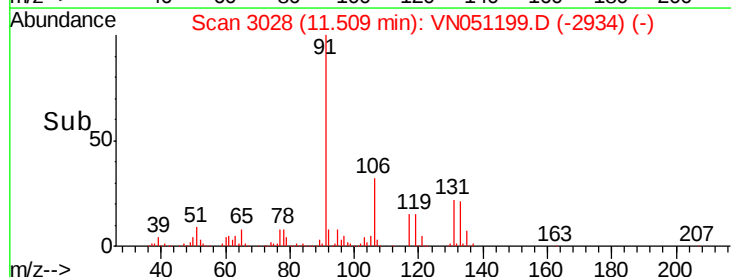
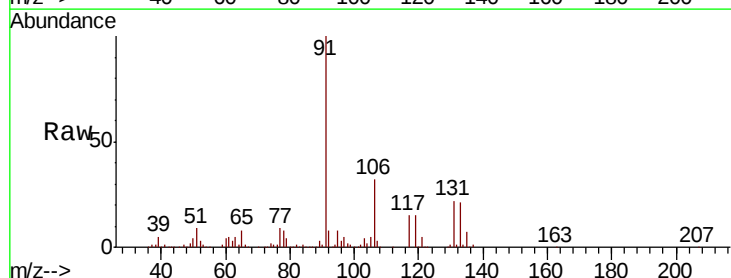
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

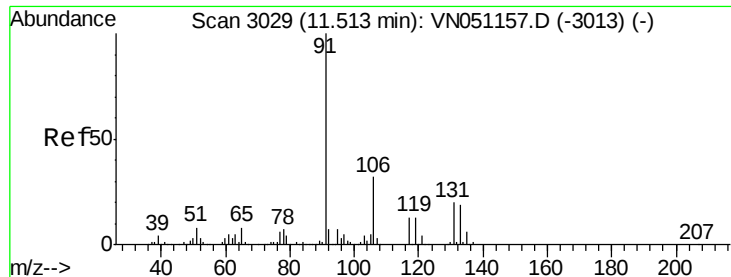
Tot Ion:112 Resp: 900550
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.07 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion:131 Resp: 341768
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 66.2 33.2 99.6

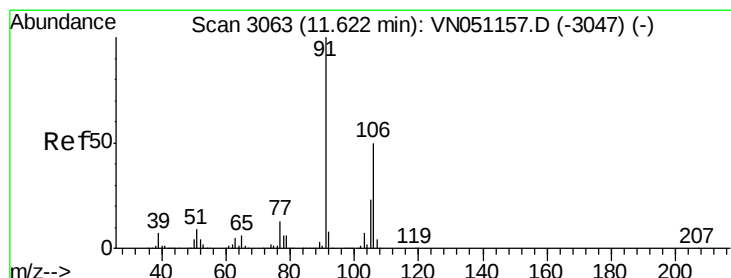
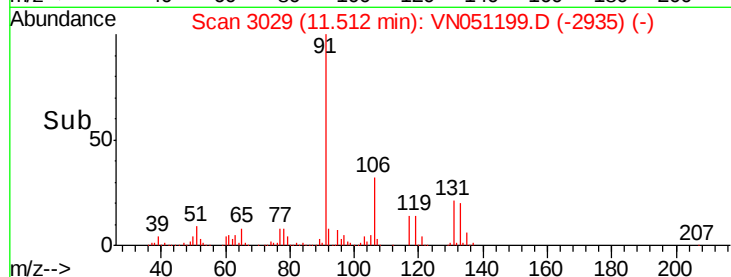
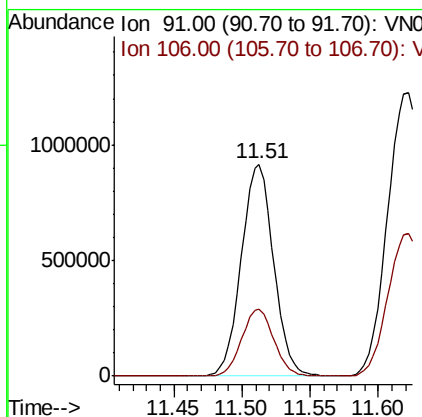
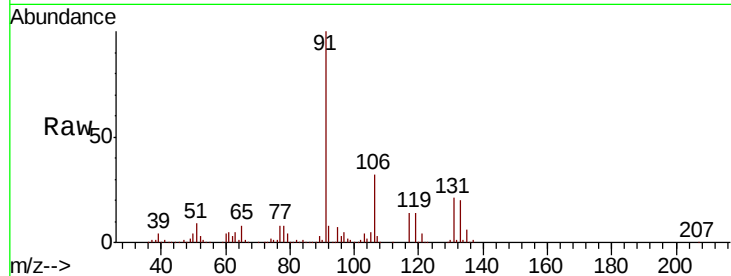




#67
Ethyl Benzene
Concen: 51.00 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

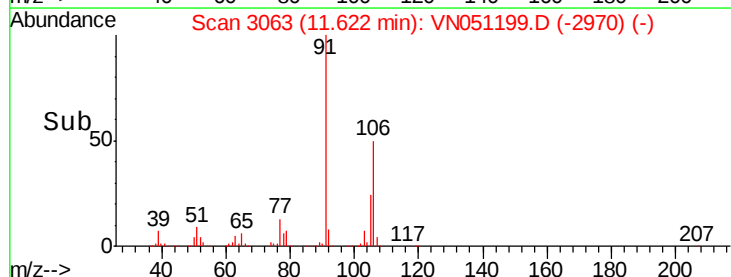
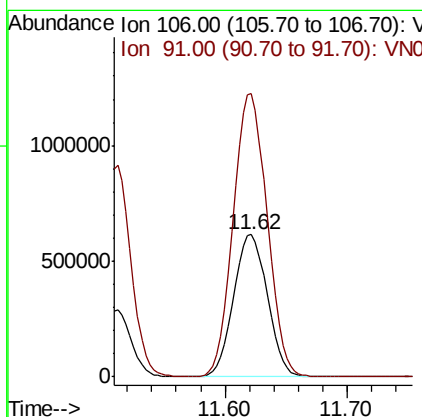
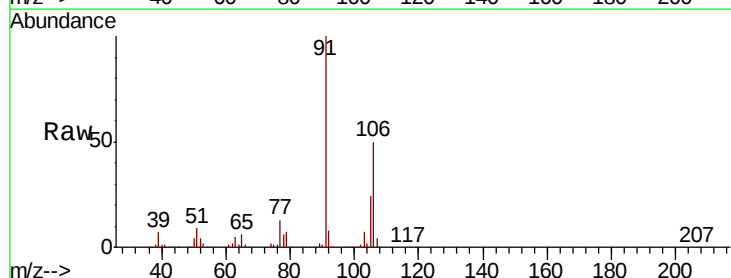
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

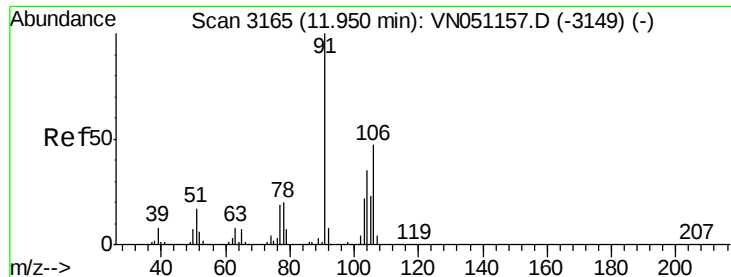
Tot Ion: 91 Resp: 1505561
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 104.22 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 106 Resp: 1182154
Ion Ratio Lower Upper
106 100
91 199.6 159.8 239.6





#69

o-Xylene

Concen: 51.77 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

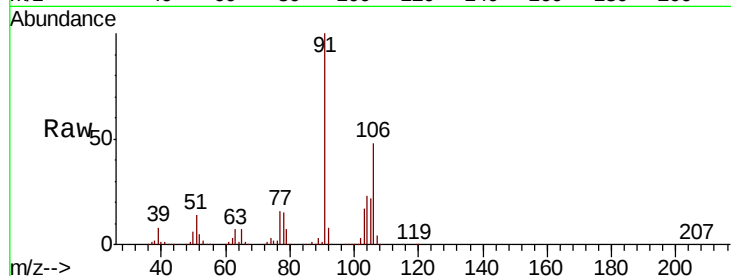
VSTDCCC050

Tot Ion:106 Resp: 568714

Ion Ratio Lower Upper

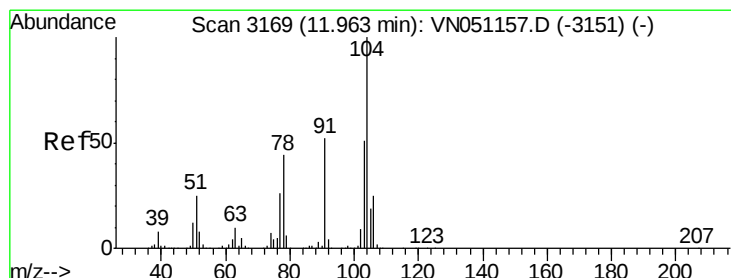
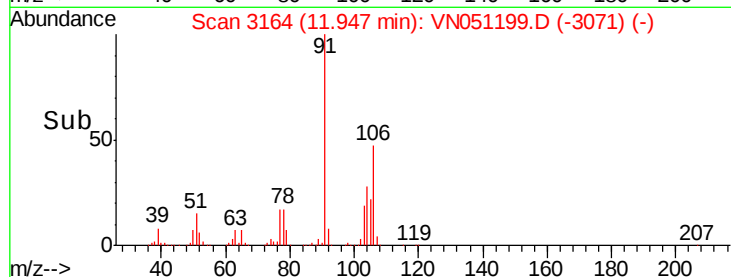
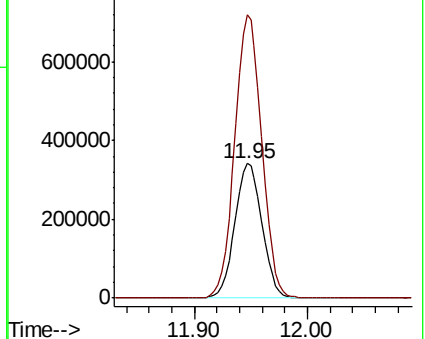
106 100

91 209.9 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 54.01 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

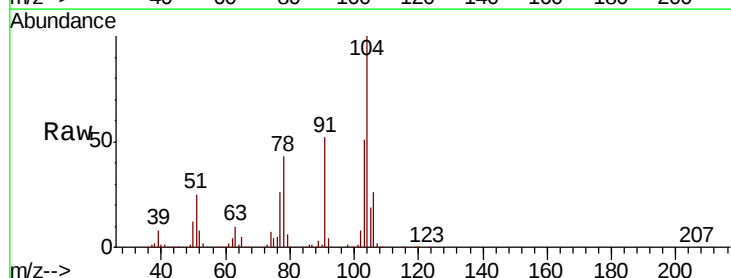
Tgt Ion:104 Resp: 920220

Ion Ratio Lower Upper

104 100

78 47.6 37.7 56.5

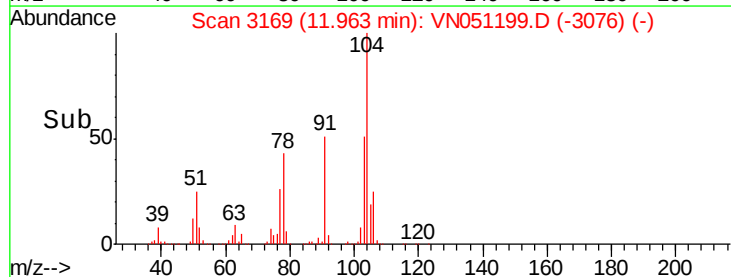
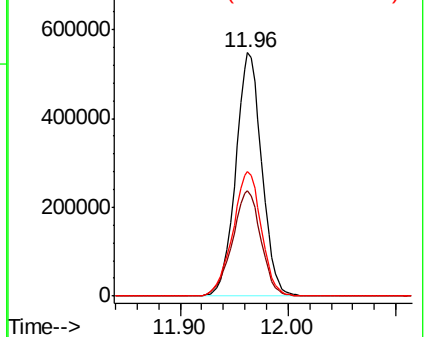
103 56.2 44.6 67.0

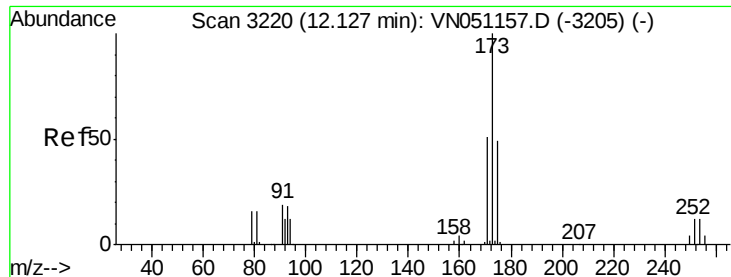


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.13 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

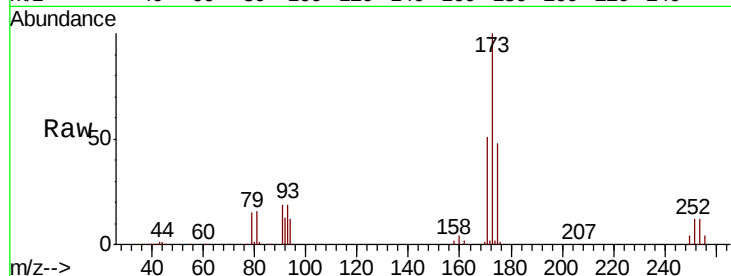
Tot Ion:173 Resp: 231676

Ion Ratio Lower Upper

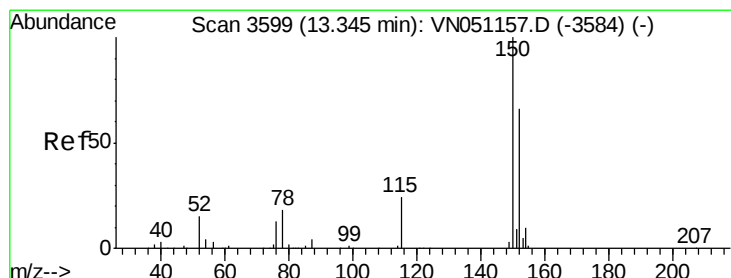
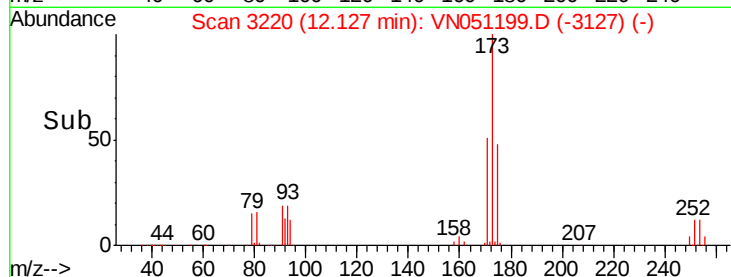
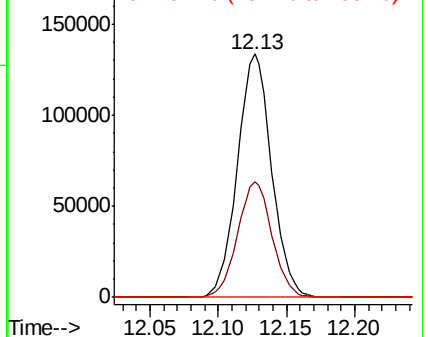
173 100

175 47.8 24.3 72.9

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

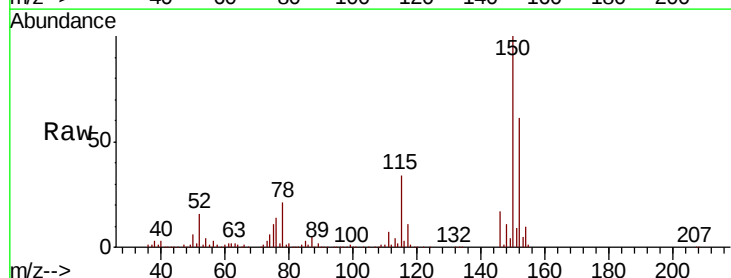
Tgt Ion:152 Resp: 363442

Ion Ratio Lower Upper

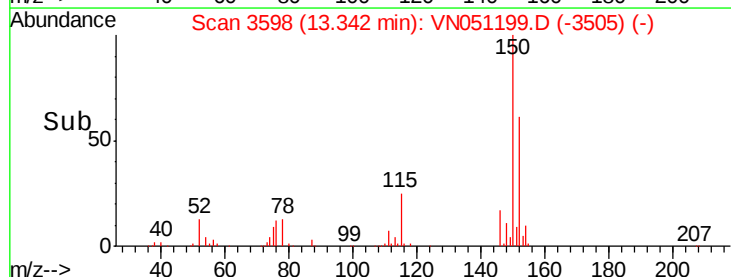
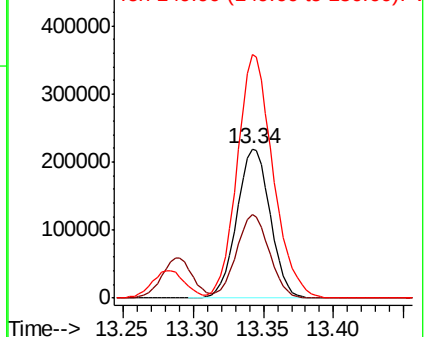
152 100

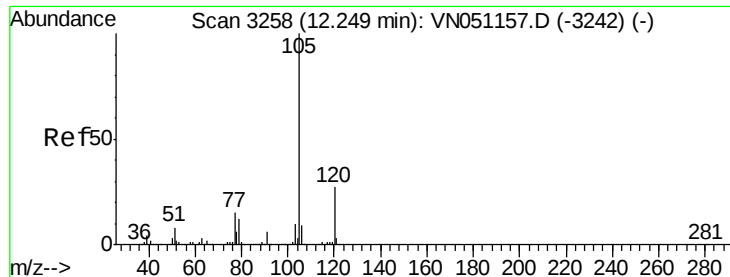
115 55.0 28.2 84.7

150 175.5 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.48 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

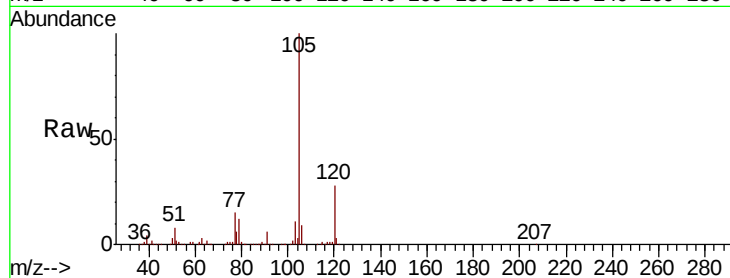
VSTDCCC050

Tot Ion:105 Resp: 1508118

Ion Ratio Lower Upper

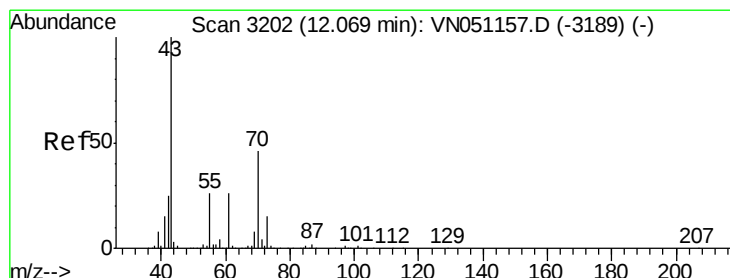
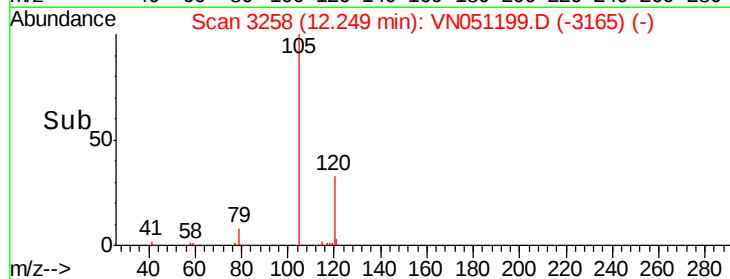
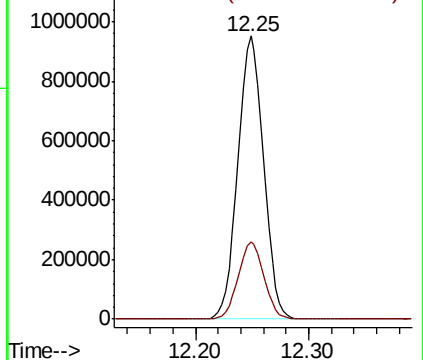
105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.24 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion: 43 Resp: 324021

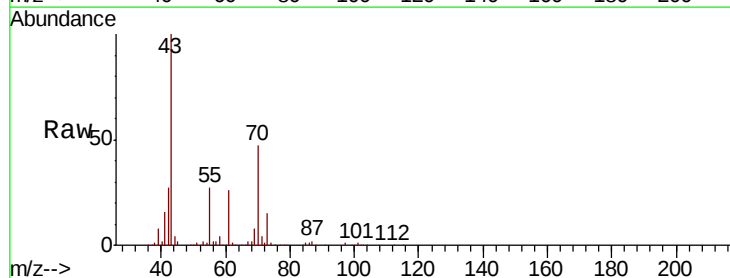
Ion Ratio Lower Upper

43 100

70 46.2 37.0 55.4

55 27.6 21.3 31.9

61 26.5 20.7 31.1

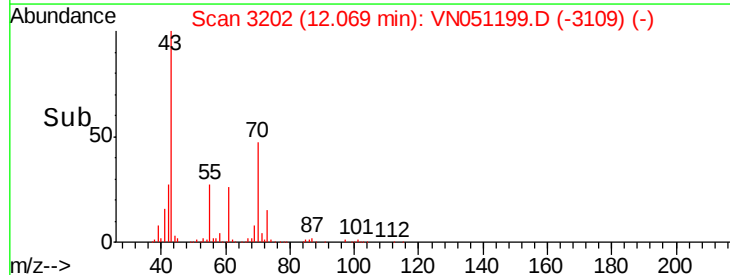
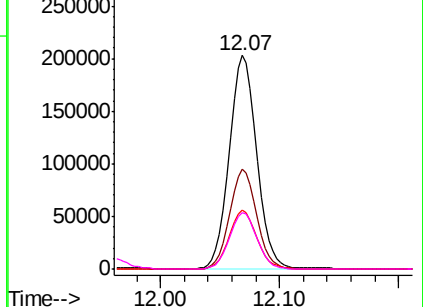


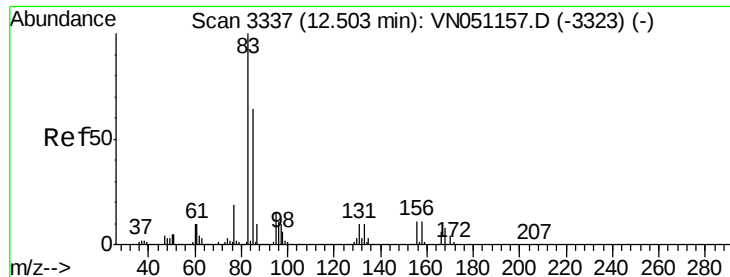
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.76 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

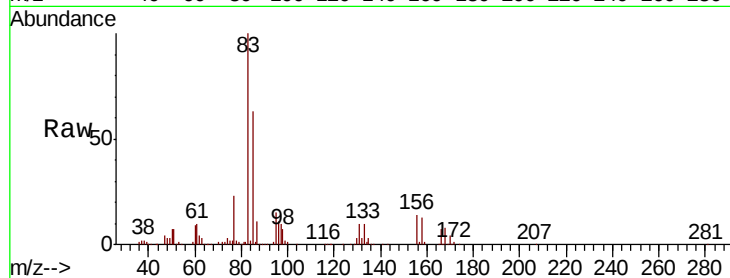
Tot Ion: 83 Resp: 348036

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

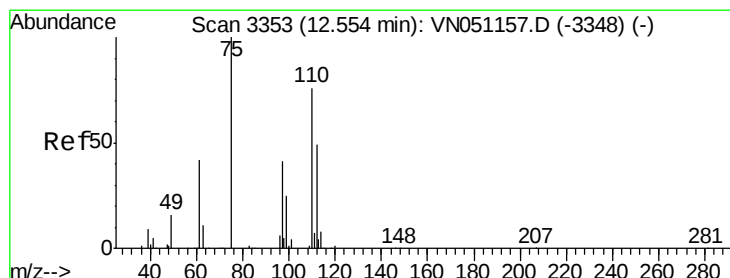
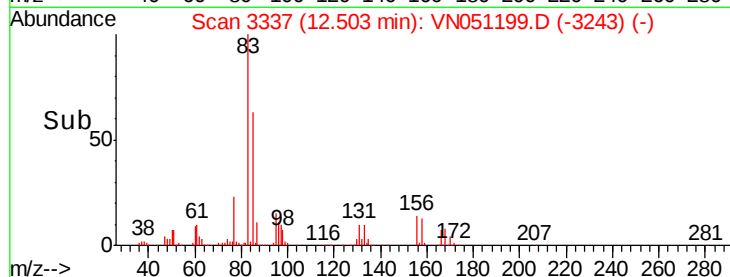
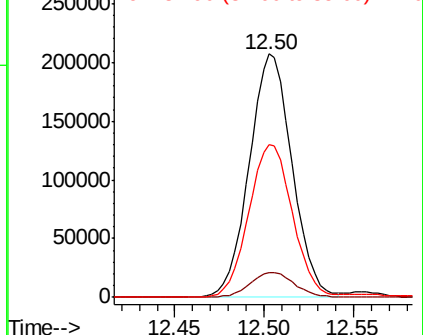
85 64.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN051199.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051199.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051199.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 71.35 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051199.D

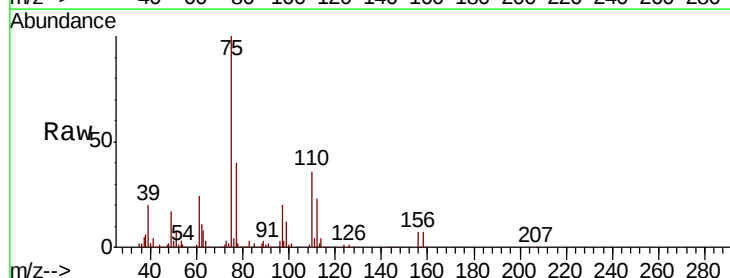
Acq: 14 Sep 2018 19:17

Tgt Ion: 75 Resp: 398477

Ion Ratio Lower Upper

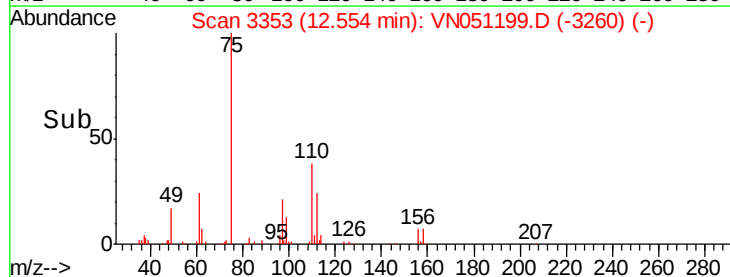
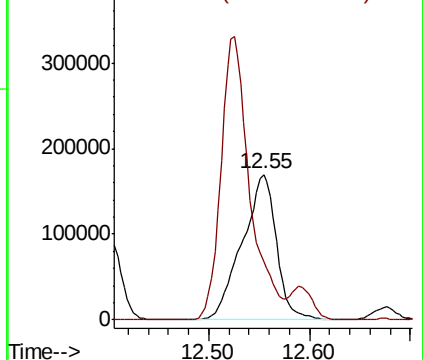
75 100

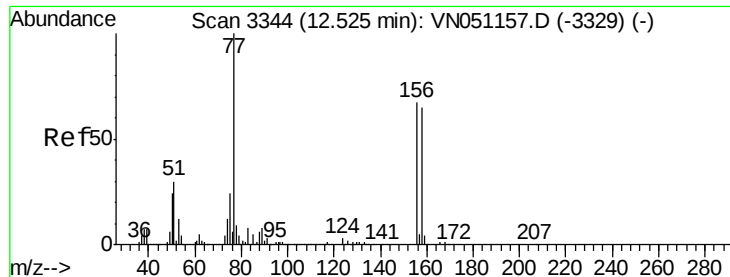
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051199.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051199.D (-3260) (-)





#77

Bromobenzene

Concen: 47.54 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

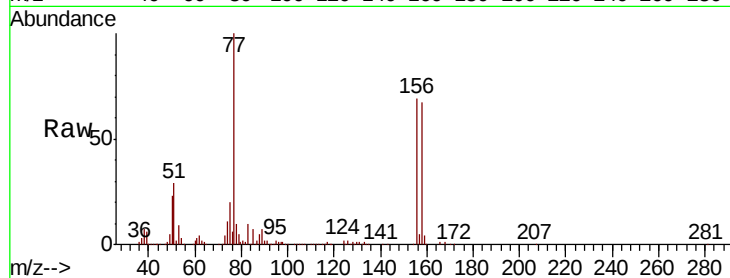
Tot Ion:156 Resp: 389212

Ion Ratio Lower Upper

156 100

77 169.6 87.5 262.6

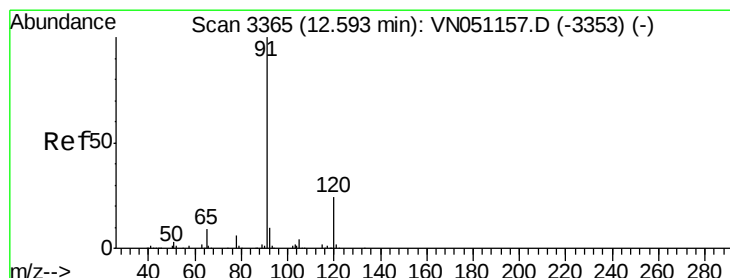
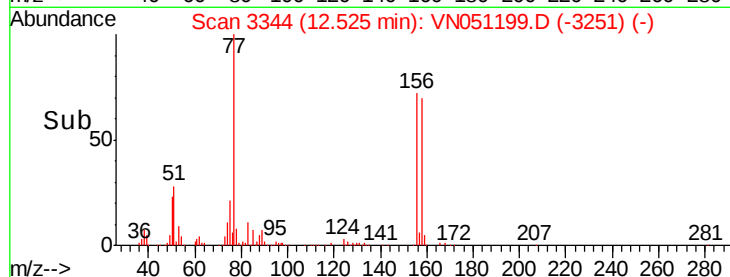
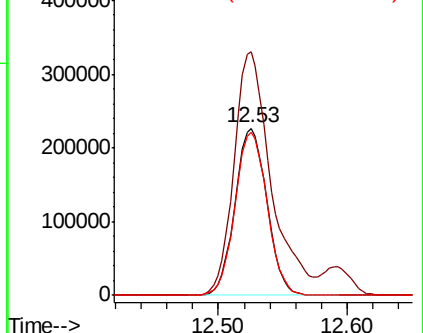
158 98.2 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.83 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051199.D

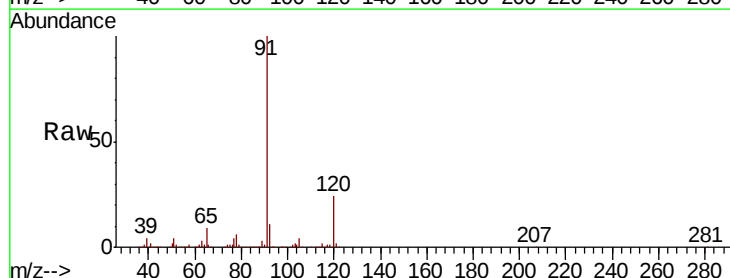
Acq: 14 Sep 2018 19:17

Tgt Ion: 91 Resp: 1669275

Ion Ratio Lower Upper

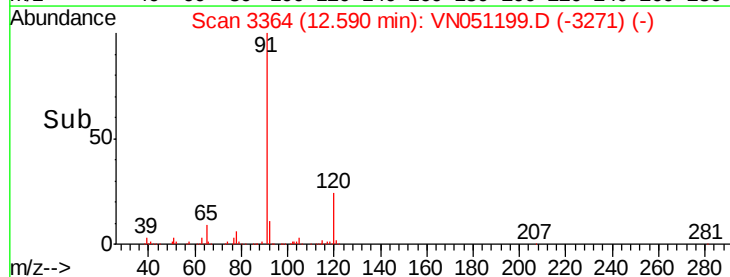
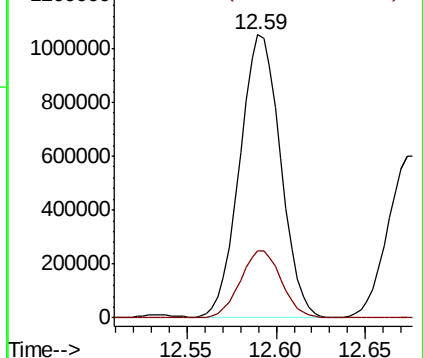
91 100

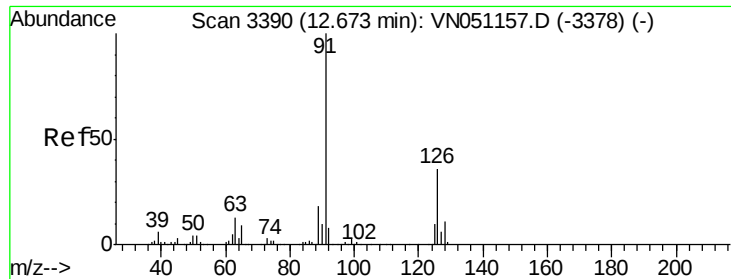
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.97 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampled :

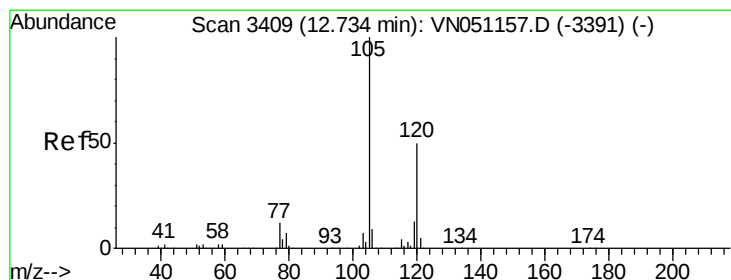
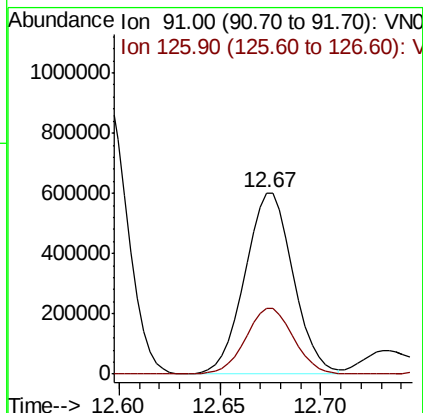
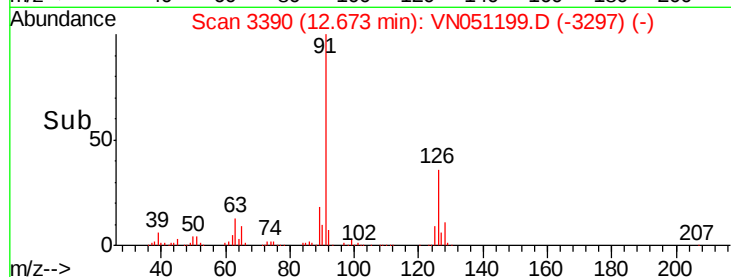
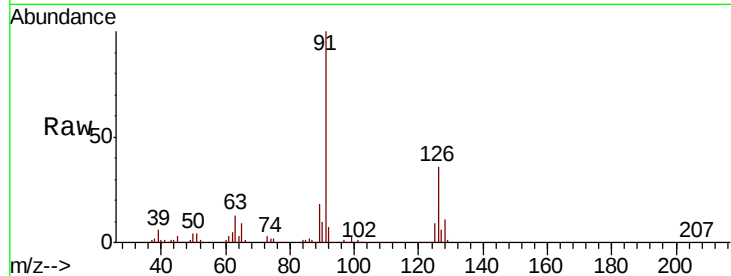
VSTDCCC050

Tot Ion: 91 Resp: 1004491

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 50.22 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051199.D

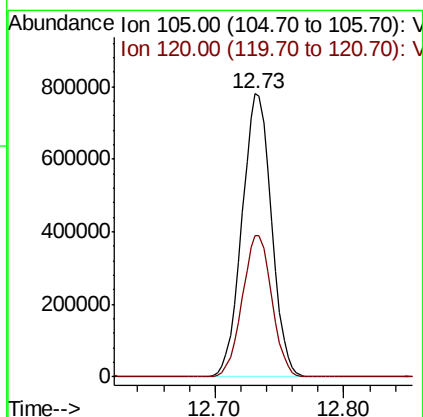
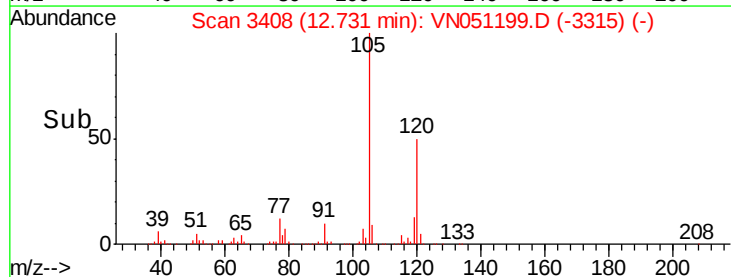
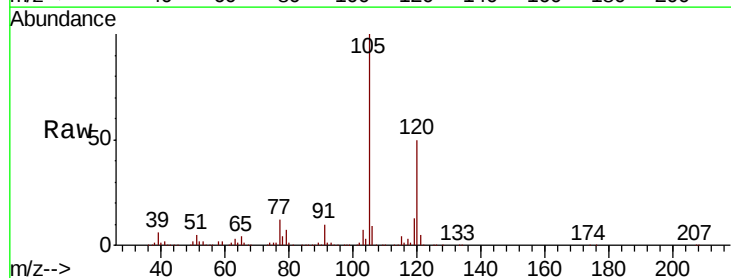
Acq: 14 Sep 2018 19:17

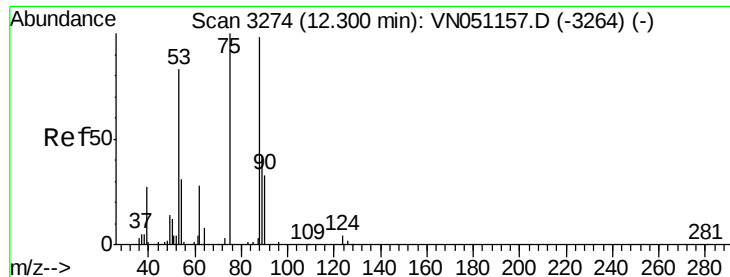
Tgt Ion:105 Resp: 1237469

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 42.40 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

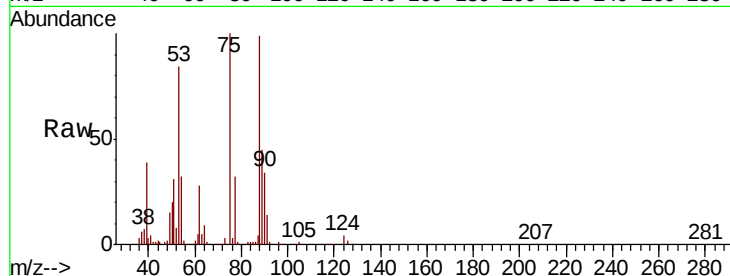
Tot Ion: 75 Resp: 81138

Ion Ratio Lower Upper

75 100

53 87.0 67.8 101.8

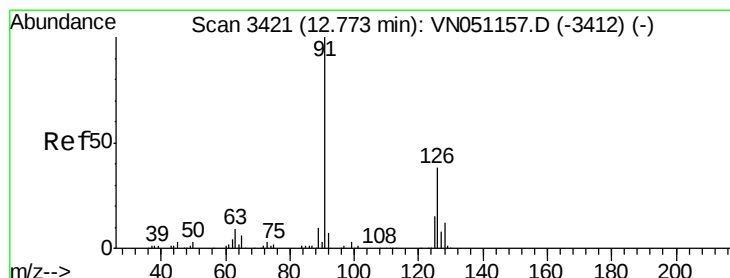
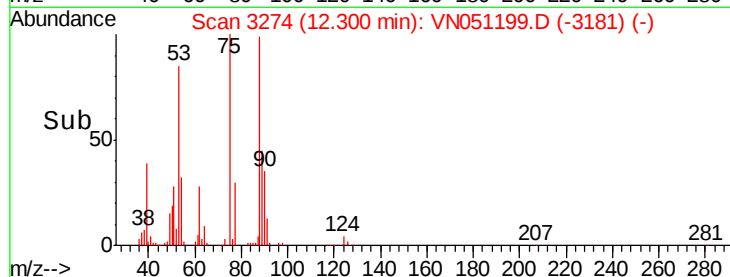
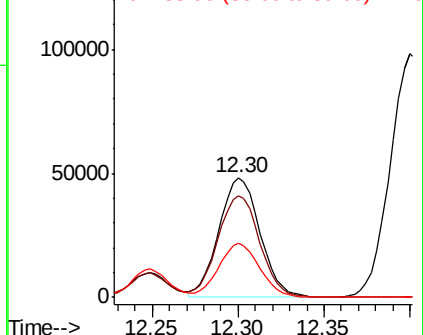
89 44.9 36.0 54.0



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: 47.72 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051199.D

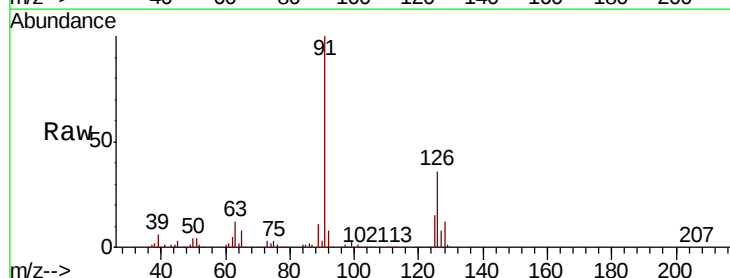
Acq: 14 Sep 2018 19:17

Tgt Ion: 91 Resp: 991925

Ion Ratio Lower Upper

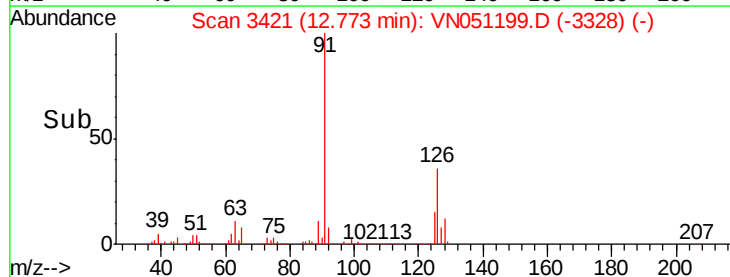
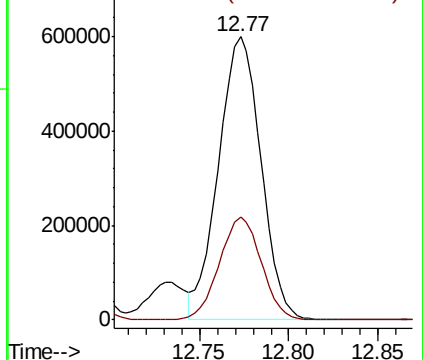
91 100

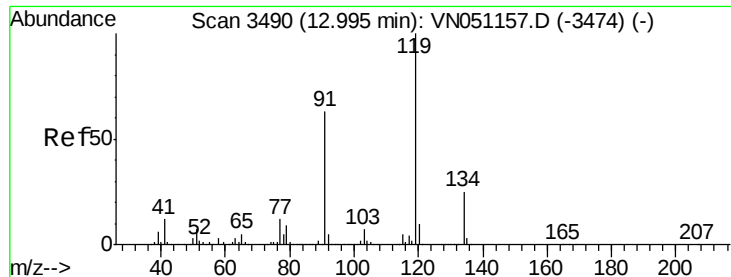
126 35.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

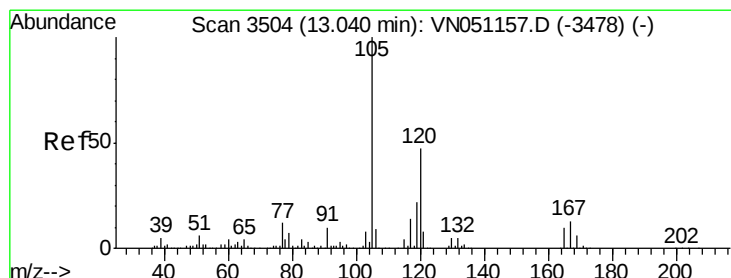
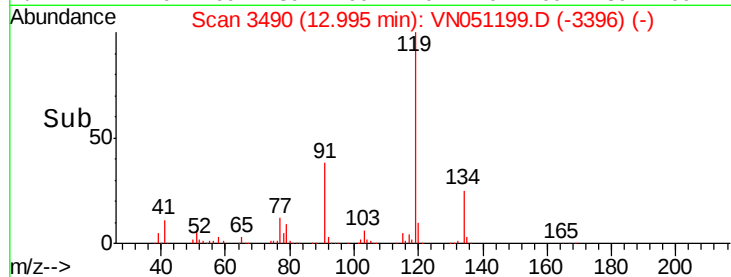
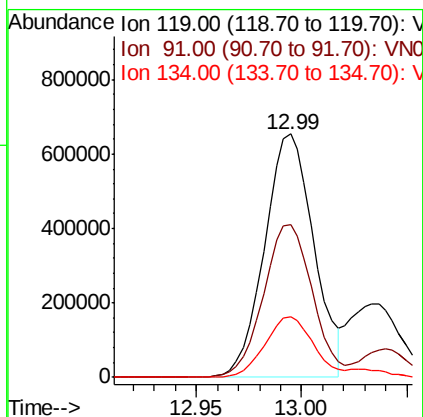
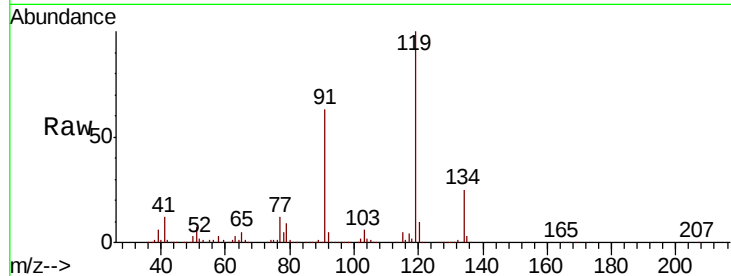




#83
 tert-Butylbenzene
 Concen: 48.81 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

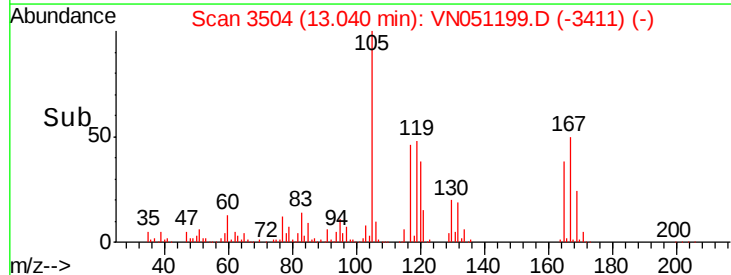
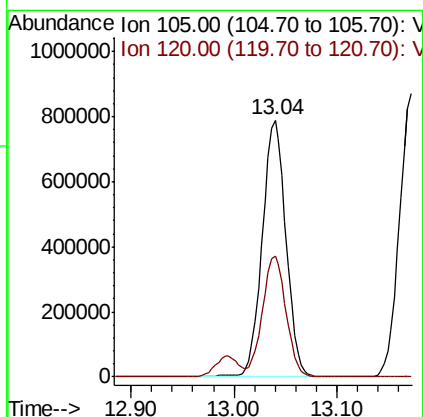
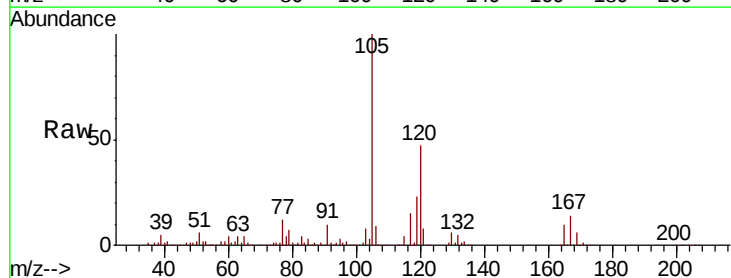
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

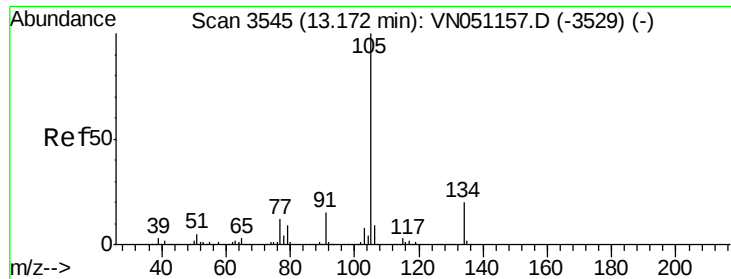
Tot Ion:119 Resp: 1061901
 Ion Ratio Lower Upper
 119 100
 91 62.4 30.8 92.3
 134 24.9 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.68 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion:105 Resp: 1252278
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 49.53 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

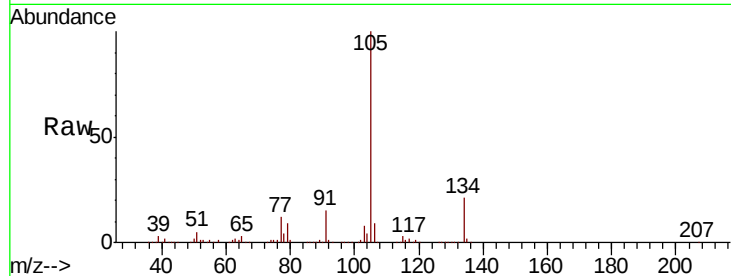
VSTDCCC050

Tot Ion:105 Resp: 1381770

Ion Ratio Lower Upper

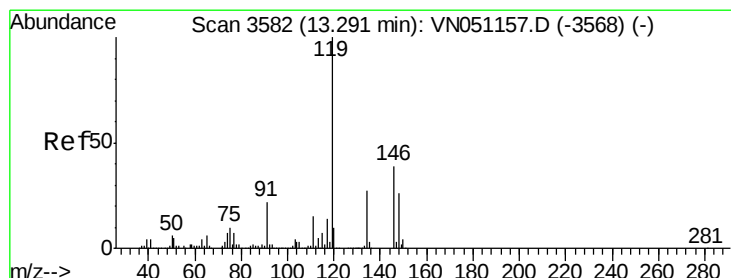
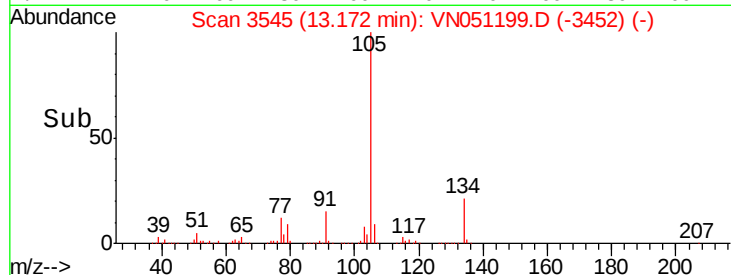
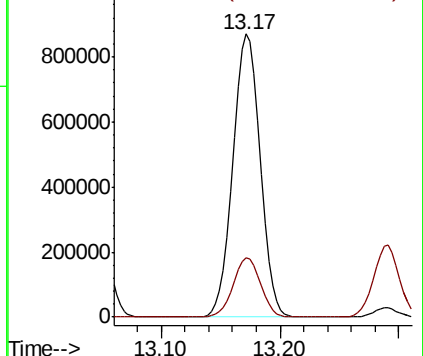
105 100

134 20.9 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.36 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

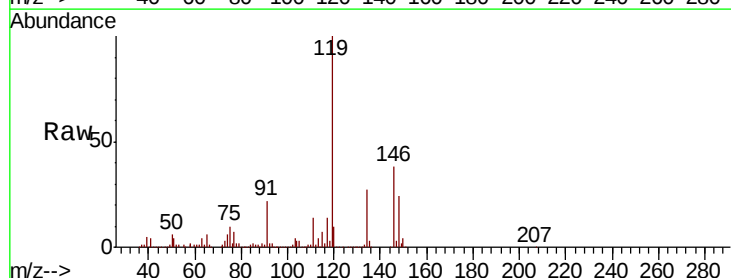
Tgt Ion:119 Resp: 1215100

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

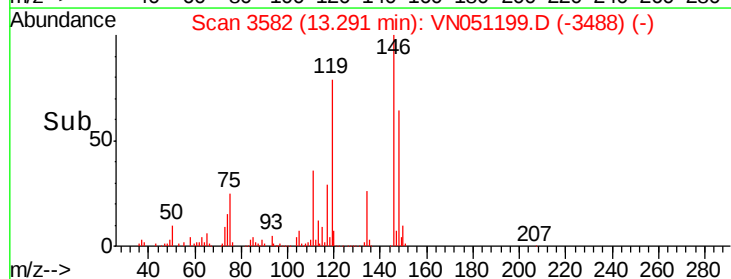
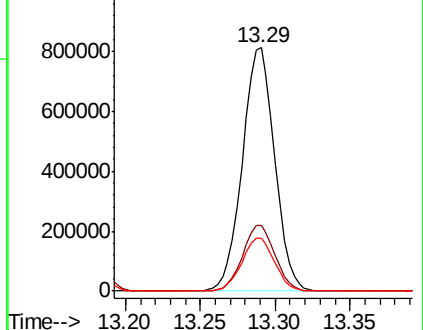
91 21.9 10.9 32.9

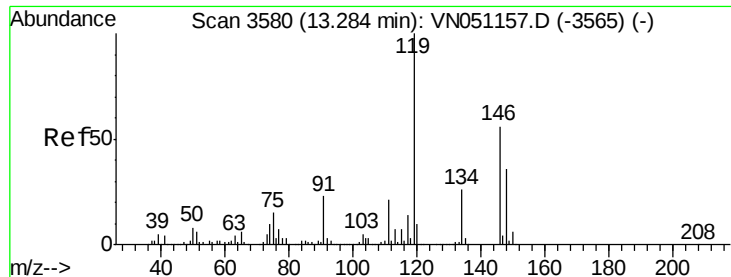


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

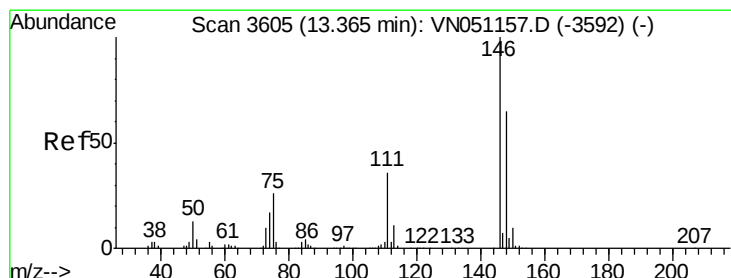
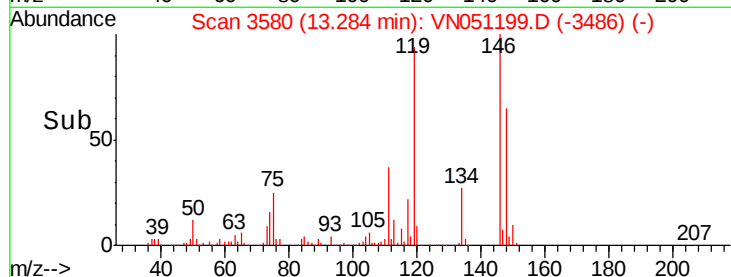
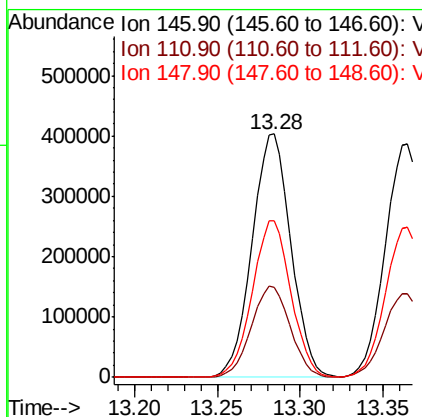
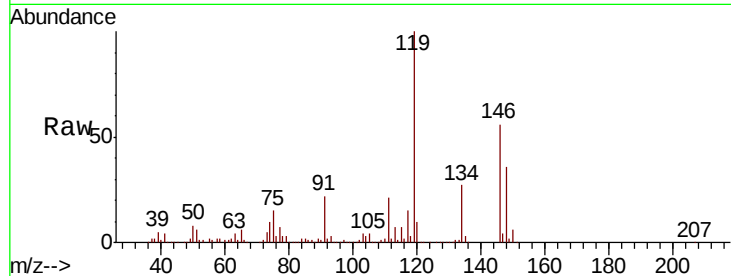




#87
 1,3-Dichlorobenzene
 Concen: 47.57 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

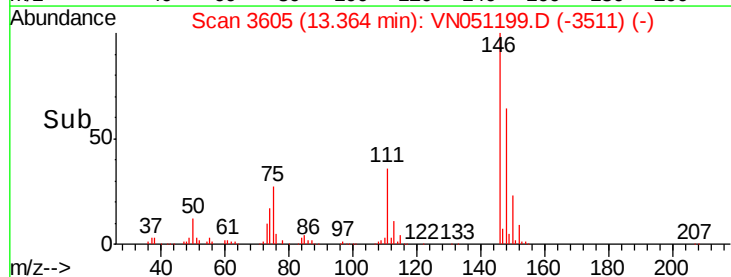
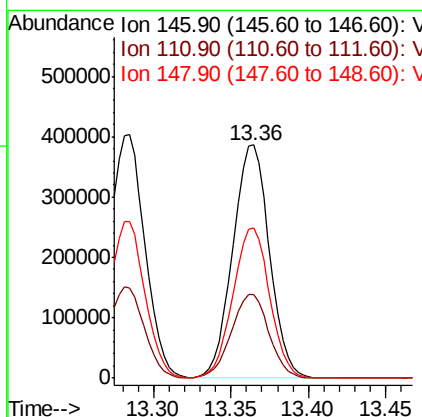
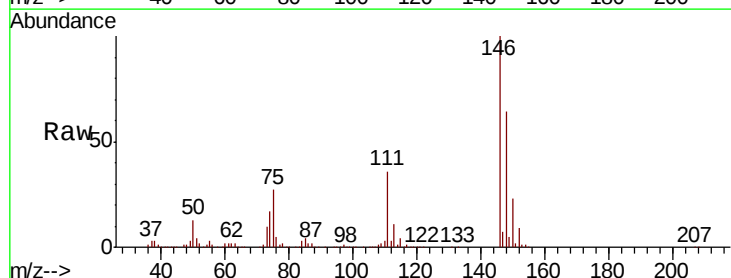
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

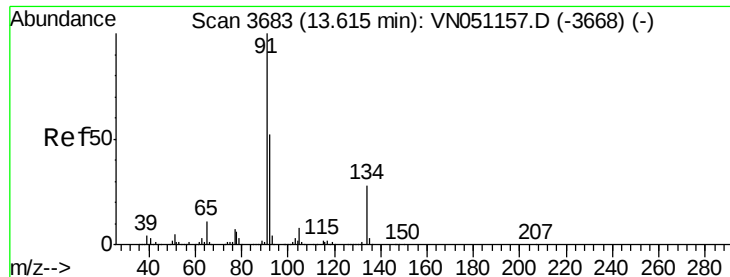
Tot Ion:146 Resp: 660683
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.1
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.83 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion:146 Resp: 635468
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.0
 148 64.5 32.2 96.6





#89

n-Butylbenzene

Concen: 49.50 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

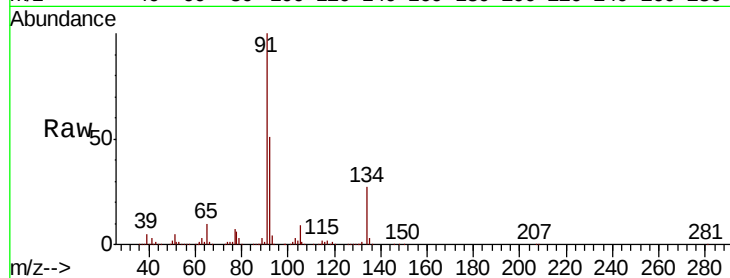
Tot Ion: 91 Resp: 911387

Ion Ratio Lower Upper

91 100

92 51.0 26.2 78.6

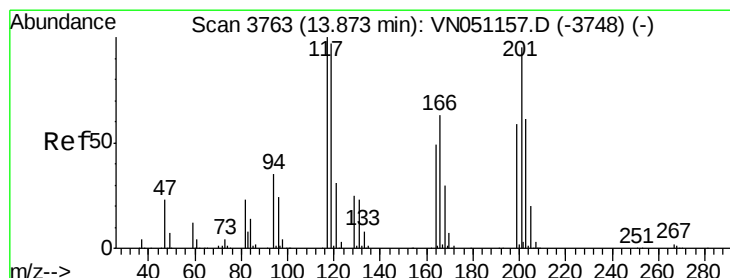
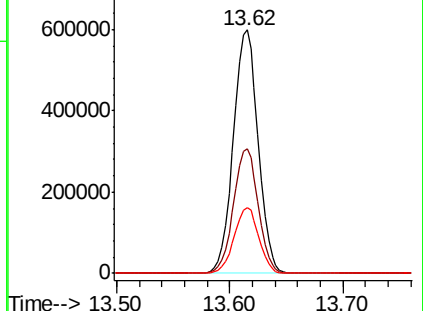
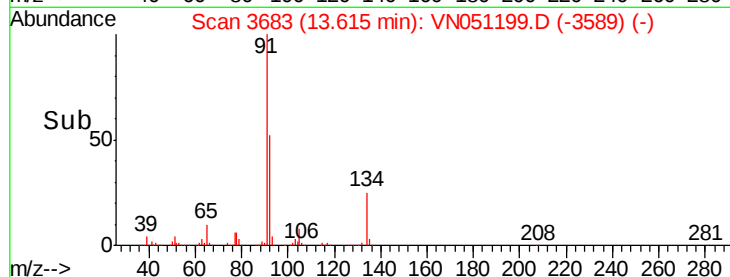
134 26.9 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN051157.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051157.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051157.D (-3668) (-)



#90

Hexachloroethane

Concen: 52.64 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051199.D

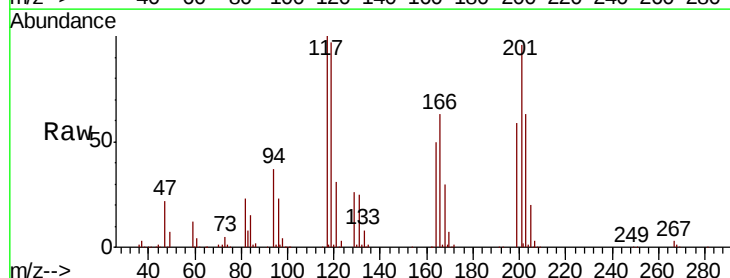
Acq: 14 Sep 2018 19:17

Tgt Ion: 117 Resp: 226592

Ion Ratio Lower Upper

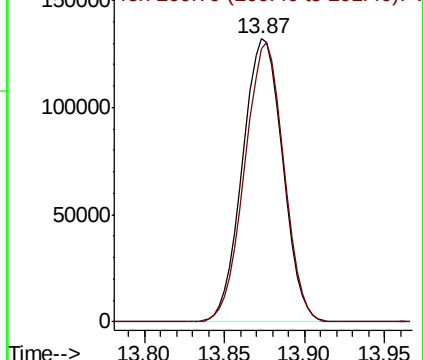
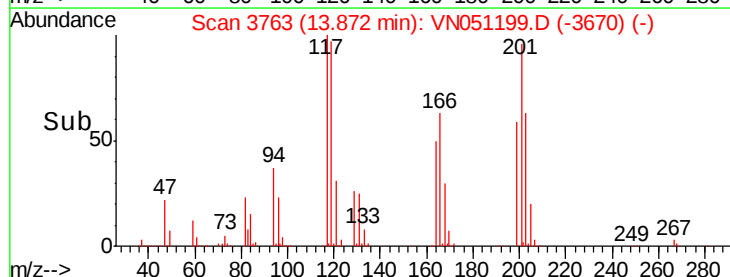
117 100

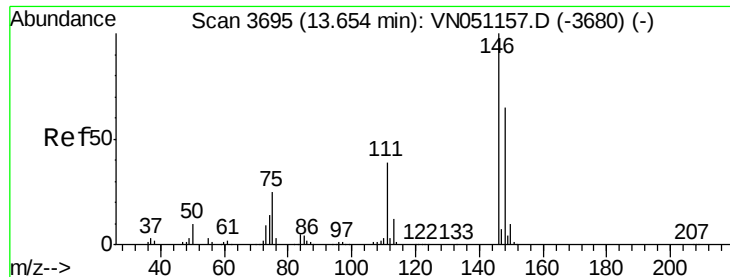
201 96.0 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051157.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051157.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 47.02 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

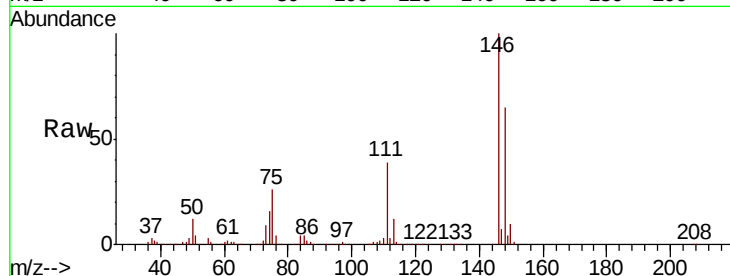
Tot Ion:146 Resp: 636352

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.0

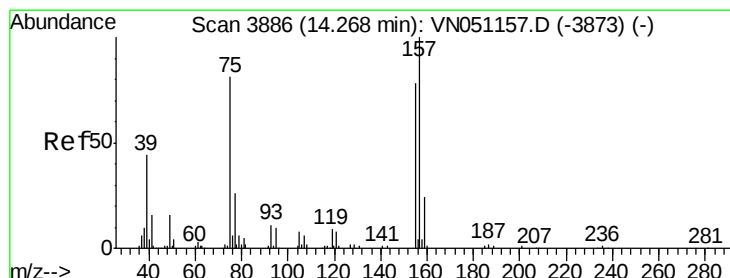
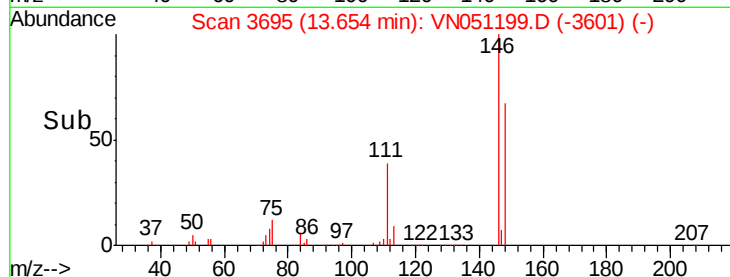
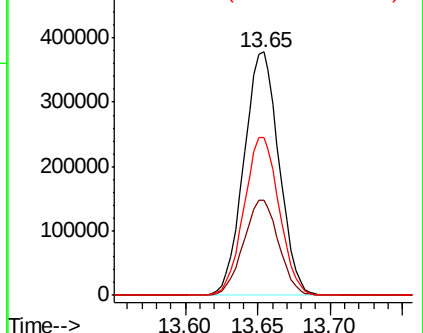
148 65.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.11 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

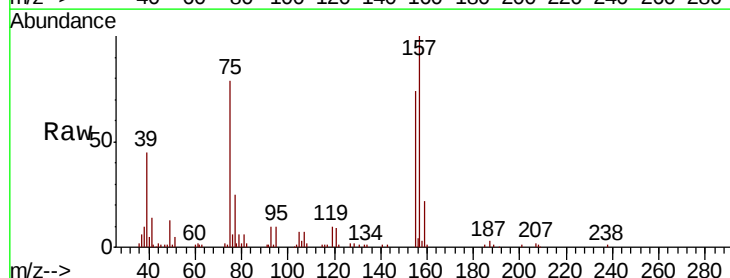
Tgt Ion: 75 Resp: 44782

Ion Ratio Lower Upper

75 100

155 96.4 48.7 146.1

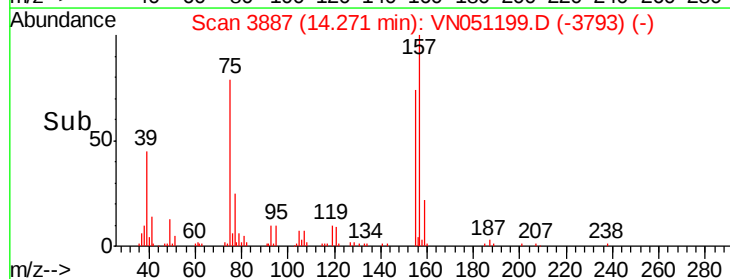
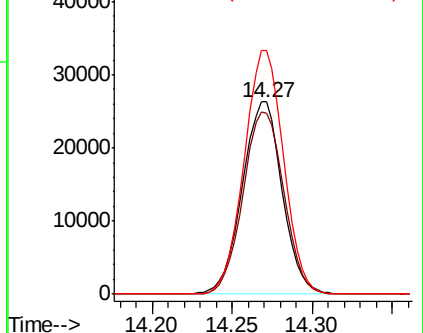
157 124.9 63.6 190.9

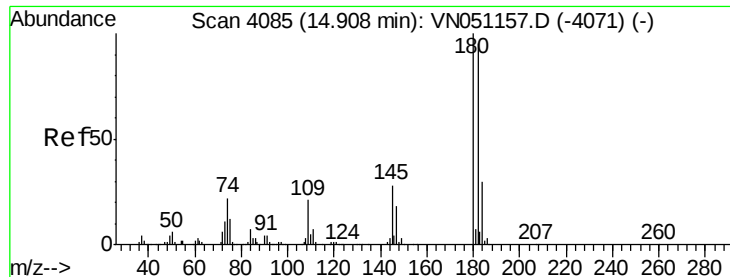


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

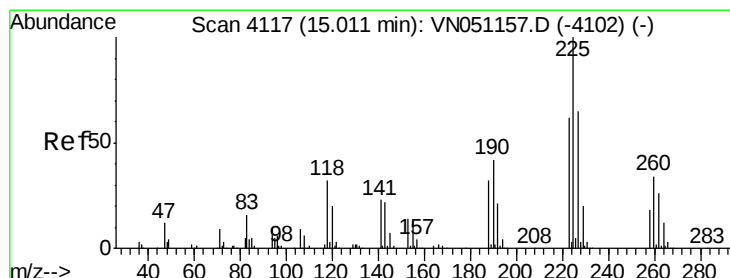
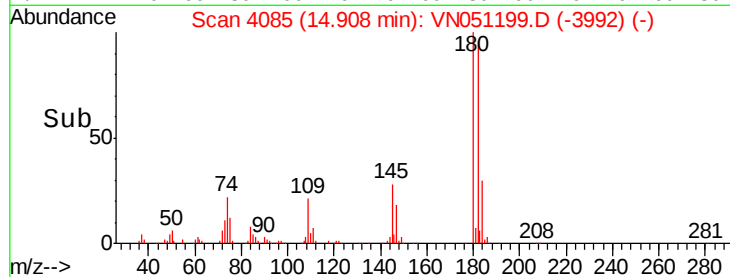
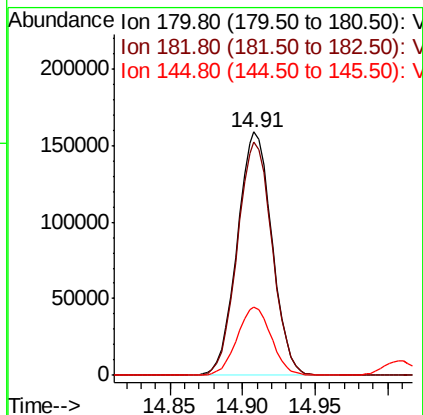
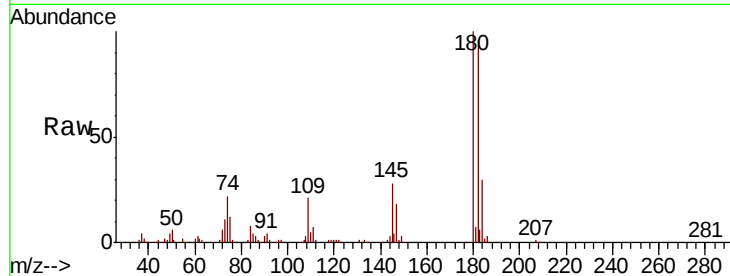




#93
 1,2,4-Trichlorobenzene
 Concen: 41.05 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

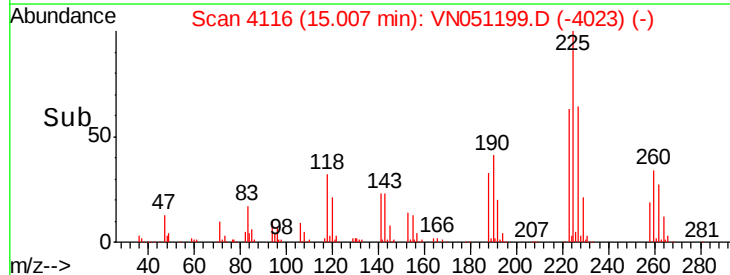
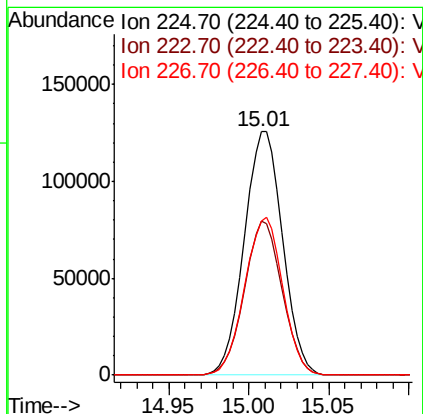
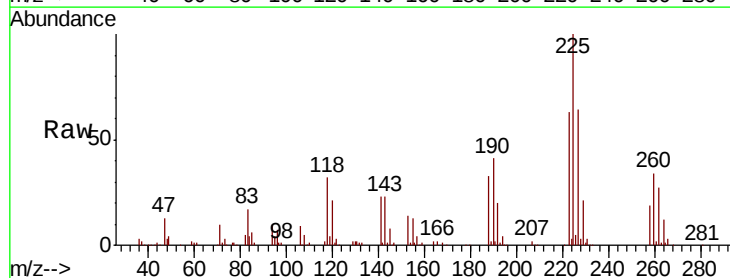
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

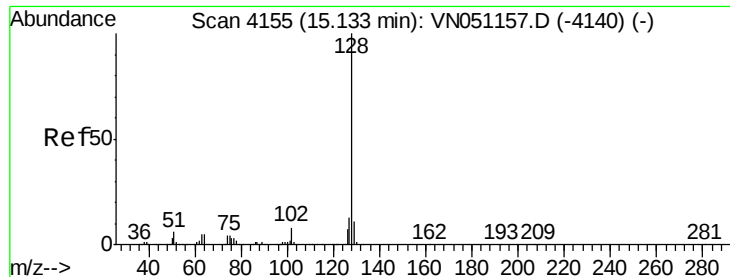
Tot Ion:180 Resp: 263413
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.3 141.8
 145 27.6 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 52.25 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion:225 Resp: 205769
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.4 94.0
 227 64.0 32.1 96.3





#95

Naphthalene

Concen: 35.06 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

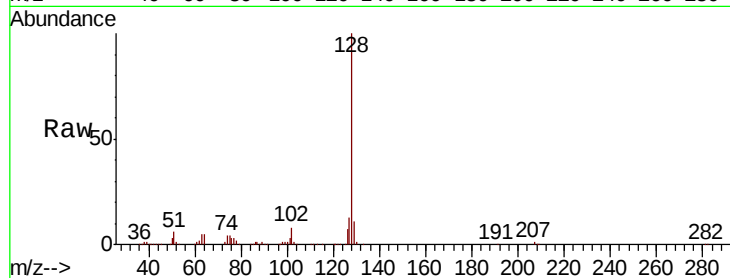
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 454716

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.8	8.6	12.8

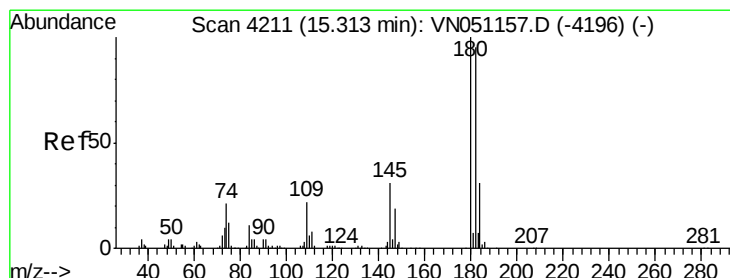
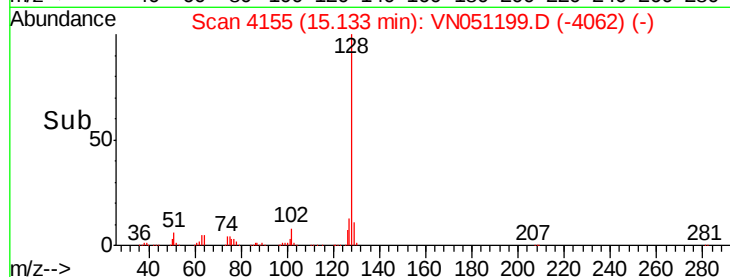
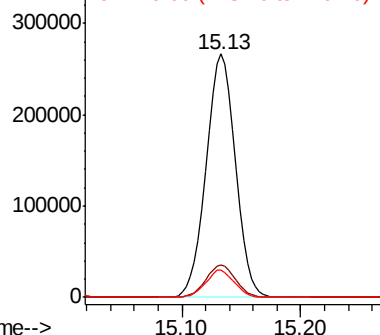


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 41.49 ug/l

RT: 15.31 min Scan# 4211

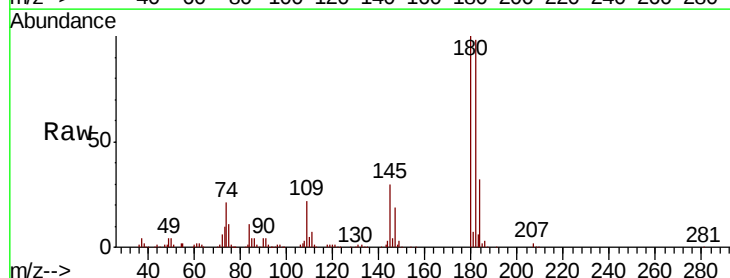
Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion:180 Resp: 255923

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	29.9	14.6	43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

