

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050176.D
 Acq On : 30 Jul 2018 10:14
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 31 01:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	699612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1003953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	920906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	476669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	456651	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	7.59	113	418888	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.09	98	1575104	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	530388	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	502800	50.02	ug/l	100
3) Chloromethane	2.06	50	459285	42.03	ug/l	97
4) Vinyl Chloride	2.18	62	505662	43.94	ug/l	98
5) Bromomethane	2.56	94	152163	23.28	ug/l	99
6) Chloroethane	2.70	64	301604	43.64	ug/l	99
7) Trichlorofluoromethane	3.01	101	681659	45.73	ug/l	99
8) Diethyl Ether	3.41	74	225963	45.47	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	425353	47.45	ug/l	99
10) Methyl Iodide	3.95	142	237713	20.66	ug/l	99
11) Tert butyl alcohol	4.79	59	129260	179.97	ug/l	100
12) 1,1-Dichloroethene	3.73	96	370420	45.94	ug/l	98
13) Acrolein	3.61	56	48522	84.09	ug/l	97
14) Allyl chloride	4.32	41	605309	48.41	ug/l	99
15) Acrylonitrile	4.99	53	648788	207.05	ug/l	100
16) Acetone	3.82	43	579544	252.10	ug/l	100
17) Carbon Disulfide	4.05	76	1097230	44.42	ug/l	99
18) Methyl Acetate	4.32	43	421448	47.03	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1006084	46.82	ug/l	99
20) Methylene Chloride	4.55	84	427190	49.34	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	401970	47.05	ug/l	99
22) Diisopropyl ether	5.95	45	1274983	51.43	ug/l	100
23) Vinyl Acetate	5.90	43	4065177	232.03	ug/l	99
24) 1,1-Dichloroethane	5.85	63	762727	47.05	ug/l	100
25) 2-Butanone	6.83	43	810197	217.61	ug/l	100
26) 2,2-Dichloropropane	6.82	77	639531	51.86	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	454869	49.46	ug/l	99
28) Bromochloromethane	7.19	49	360521	48.76	ug/l	99
29) Tetrahydrofuran	7.21	42	483155	200.82	ug/l	99
30) Chloroform	7.37	83	767572	46.40	ug/l	99
31) Cyclohexane	7.65	56	660845	49.15	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	660304	46.66	ug/l	100
36) 1,1-Dichloropropene	7.79	75	593188	52.44	ug/l	98
37) Ethyl Acetate	6.93	43	325003	41.21	ug/l	100
38) Carbon Tetrachloride	7.77	117	592355	49.36	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	646417	55.55	ug/l	99
40) Benzene	8.04	78	1743238	50.65	ug/l	100
41) Methacrylonitrile	7.17	41	188604	46.14	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	545859	47.54	ug/l	99
43) Isopropyl Acetate	8.16	43	627472	42.04	ug/l	99
44) Trichloroethene	8.83	130	462006	49.95	ug/l	100
45) 1,2-Dichloropropane	9.12	63	461358	50.61	ug/l	99
46) Dibromomethane	9.21	93	272599	48.16	ug/l	100
47) Bromodichloromethane	9.40	83	593557	49.68	ug/l	100
48) Methyl methacrylate	9.20	41	318395	46.88	ug/l	99
49) 1,4-Dioxane	9.20	88	79352	858.53	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1710927	220.70	ug/l	100
52) Toluene	10.16	92	1080779	53.20	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	603195	53.50	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	683614	53.06	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	385550	47.84	ug/l	99
56) Ethyl methacrylate	10.43	69	474553	43.74	ug/l	100
57) 1,3-Dichloropropane	10.71	76	646344	49.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1130738	222.67	ug/l	100
59) 2-Hexanone	10.75	43	1194620	210.54	ug/l	100
60) Dibromochloromethane	10.90	129	446831	50.08	ug/l	98
61) 1,2-Dibromoethane	11.00	107	375502	46.96	ug/l	98
64) Tetrachloroethene	10.63	164	431539	48.74	ug/l	99
65) Chlorobenzene	11.43	112	1177025	50.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	445483	49.84	ug/l	99
67) Ethyl Benzene	11.51	91	2056132	55.03	ug/l	99
68) m/p-Xylenes	11.62	106	1570322	111.10	ug/l	100
69) o-Xylene	11.95	106	749452	55.62	ug/l	99
70) Styrene	11.96	104	1211570	50.55	ug/l	100
71) Bromoform	12.13	173	305065	46.92	ug/l #	99
73) Isopropylbenzene	12.25	105	2022823	54.72	ug/l	100
74) N-amyl acetate	12.07	43	510799	45.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	472730	47.80	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	580960	65.58	ug/l #	100
77) Bromobenzene	12.53	156	507723	49.55	ug/l	98
78) n-propylbenzene	12.59	91	2342467	56.69	ug/l	100
79) 2-Chlorotoluene	12.68	91	1365963	53.33	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1666953	57.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131681	47.15	ug/l	99
82) 4-Chlorotoluene	12.77	91	1397808	55.11	ug/l	99
83) tert-Butylbenzene	12.99	119	1407784	55.48	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1691233	57.70	ug/l	100
85) sec-Butylbenzene	13.17	105	1934525	57.05	ug/l	100
86) p-Isopropyltoluene	13.29	119	1689571	59.14	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	903416	52.01	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	874077	51.63	ug/l	100
89) n-Butylbenzene	13.62	91	1416776	60.30	ug/l	100
90) Hexachloroethane	13.88	117	306518	48.32	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	866709	49.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68854	41.67	ug/l	97

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Response via : Initial Calibration

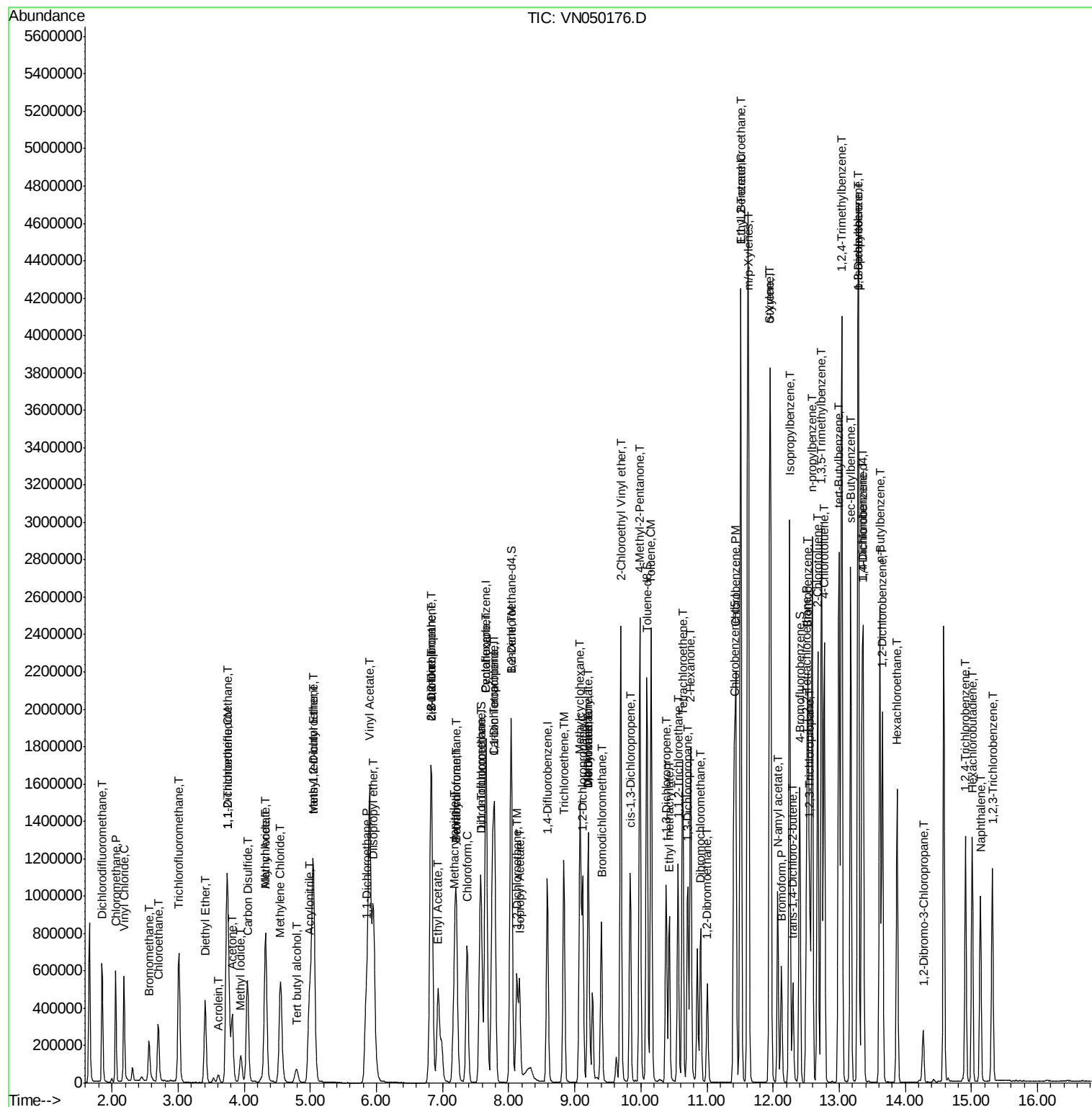
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	442350	48.16	ug/l	98
94) Hexachlorobutadiene	15.01	225	282888	53.22	ug/l	98
95) Naphthalene	15.14	128	865083	40.65	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	423901	47.39	ug/l	100

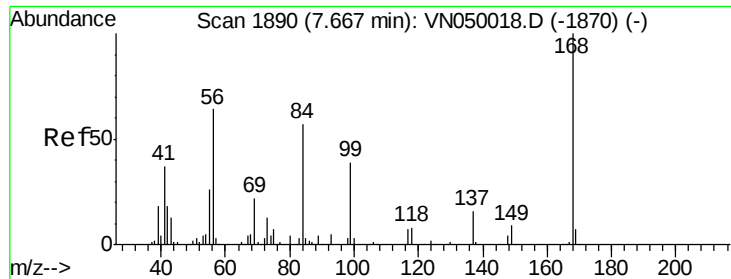
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

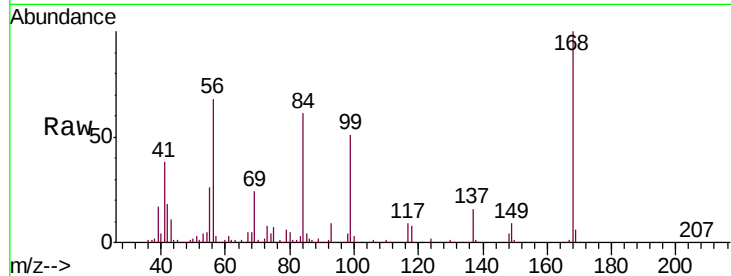
VSTDCCC050

Tot Ion:168 Resp: 699612

Ion Ratio Lower Upper

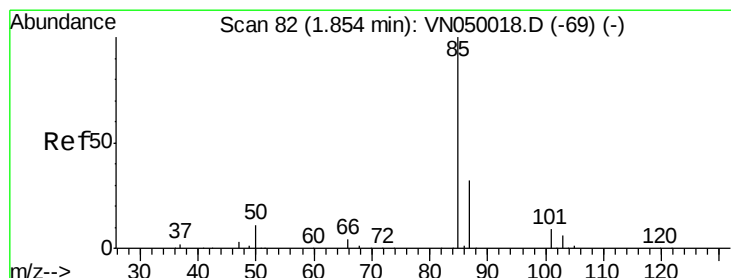
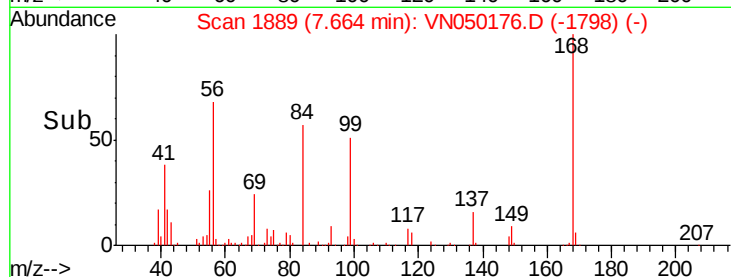
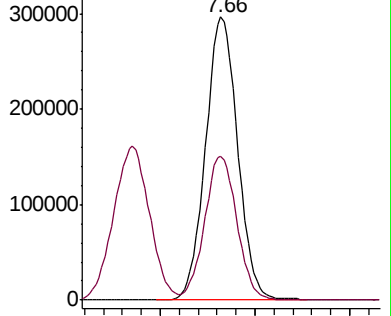
168 100

99 50.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.02 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050176.D

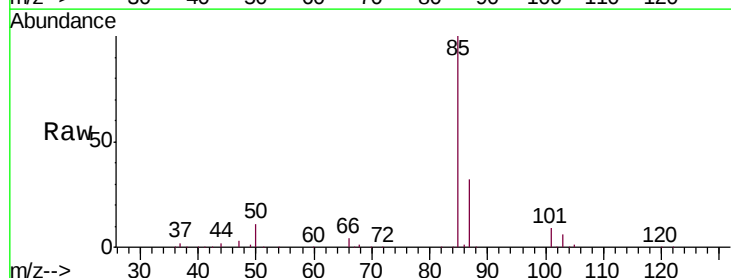
Acq: 30 Jul 2018 10:14

Tgt Ion: 85 Resp: 502800

Ion Ratio Lower Upper

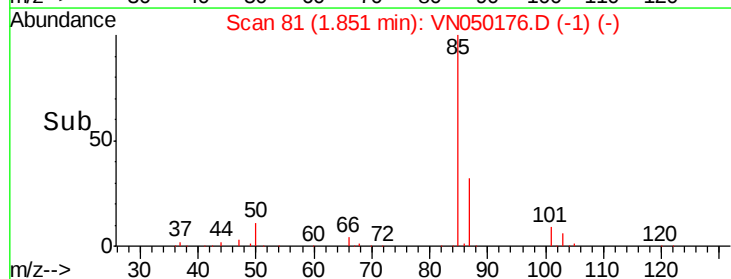
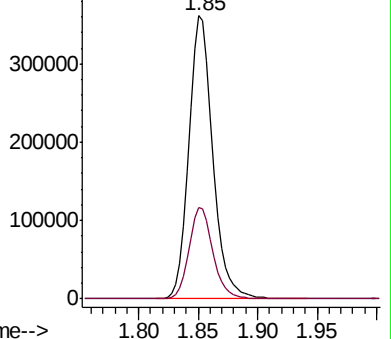
85 100

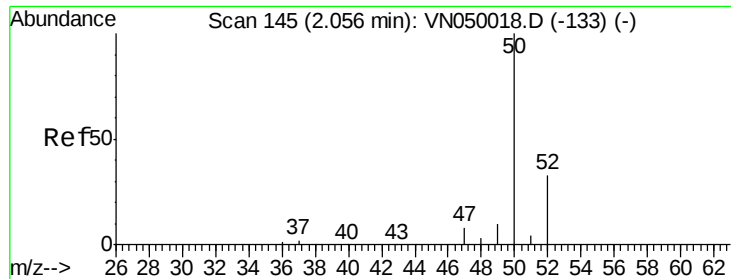
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.03 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

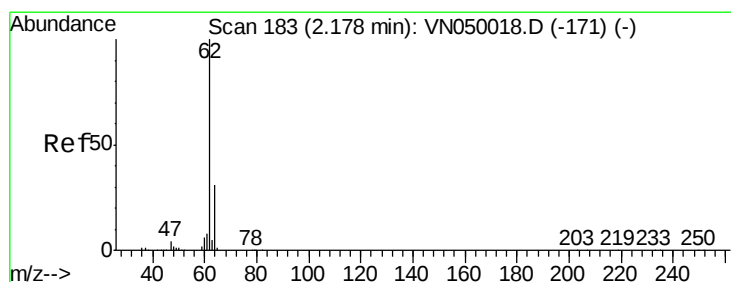
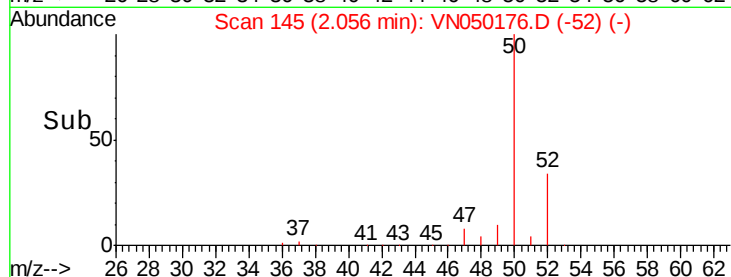
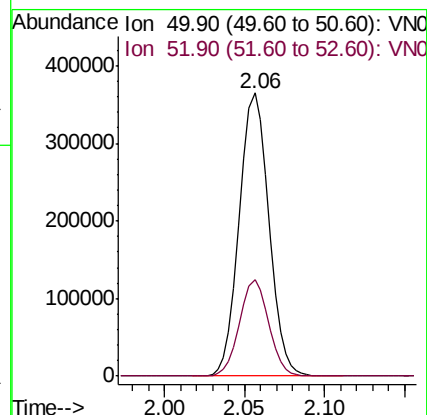
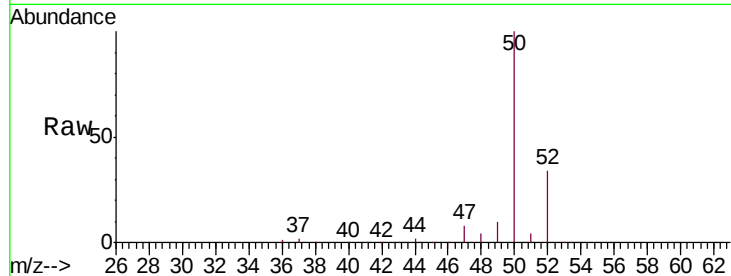
VSTDCCC050

Tot Ion: 50 Resp: 459285

Ion Ratio Lower Upper

50 100

52 34.0 25.9 38.9



#4

Vinyl Chloride

Concen: 43.94 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050176.D

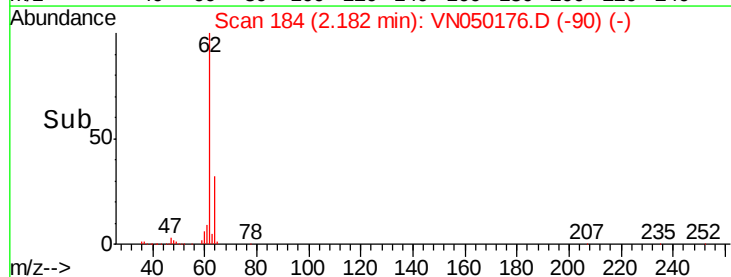
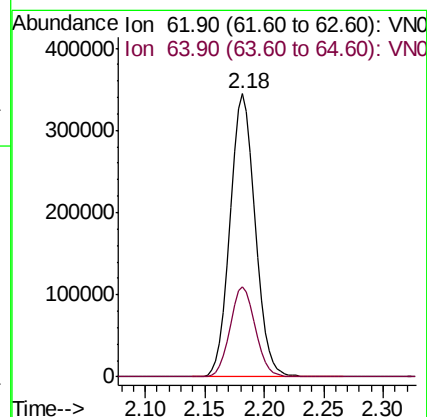
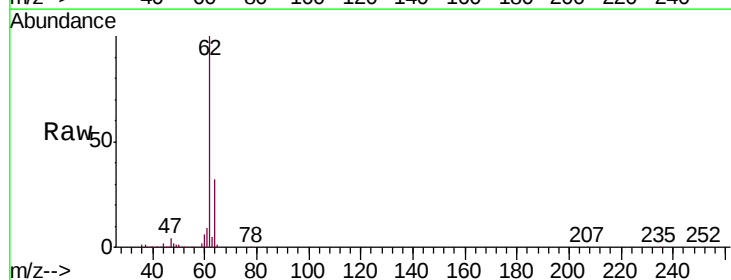
Acq: 30 Jul 2018 10:14

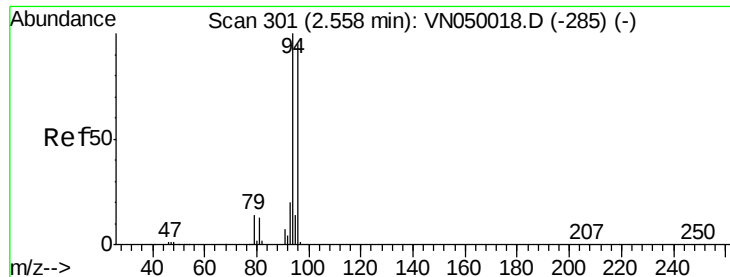
Tgt Ion: 62 Resp: 505662

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 23.28 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

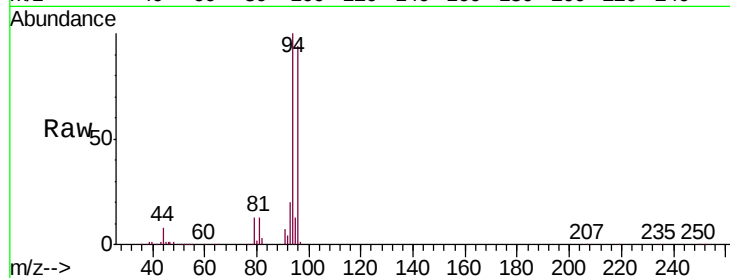
VSTDCCC050

Tot Ion: 94 Resp: 152163

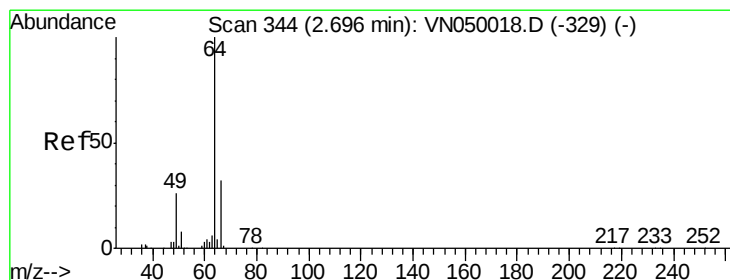
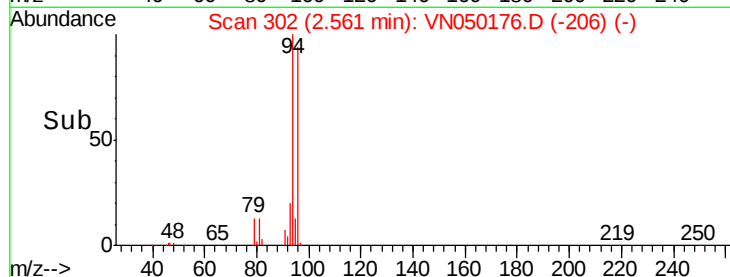
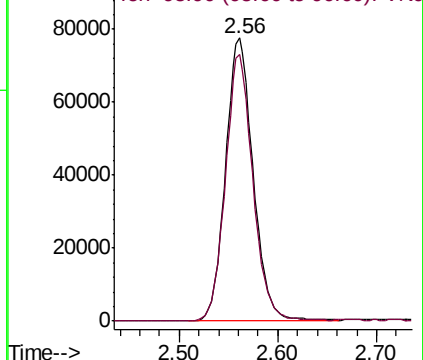
Ion Ratio Lower Upper

94 100

96 94.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.64 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050176.D

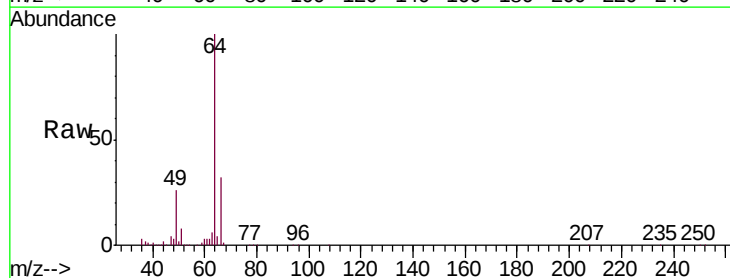
Acq: 30 Jul 2018 10:14

Tgt Ion: 64 Resp: 301604

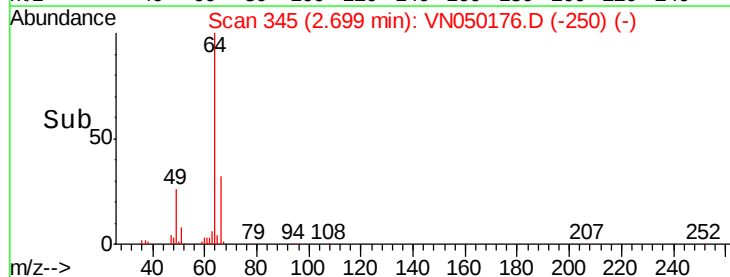
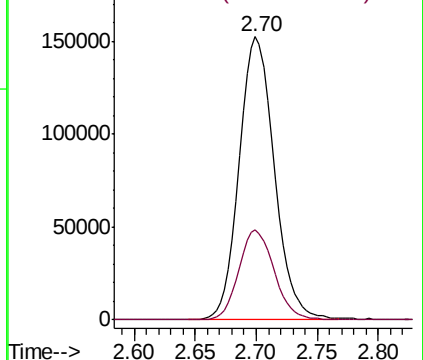
Ion Ratio Lower Upper

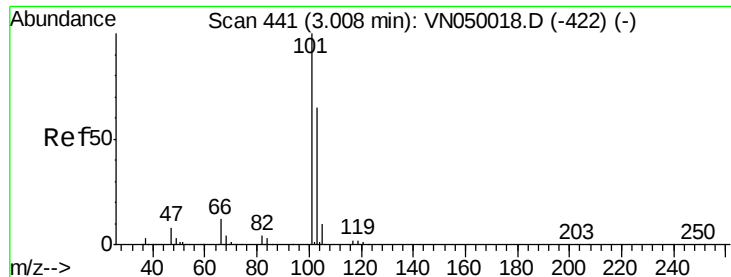
64 100

66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



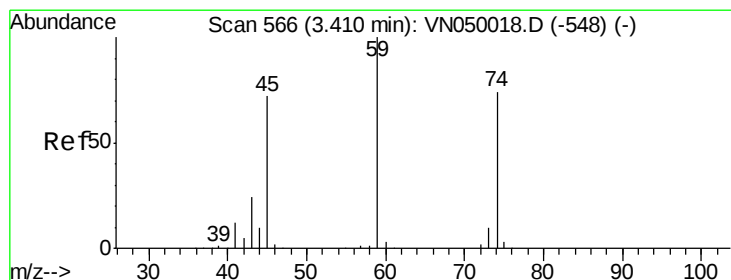
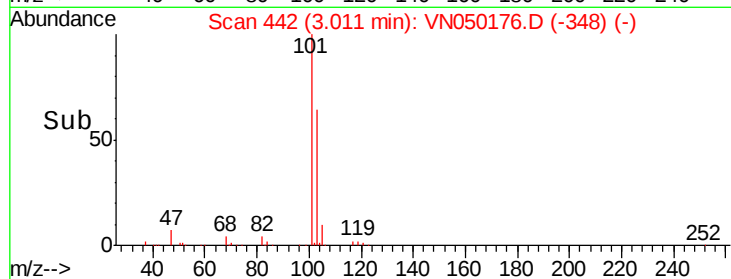
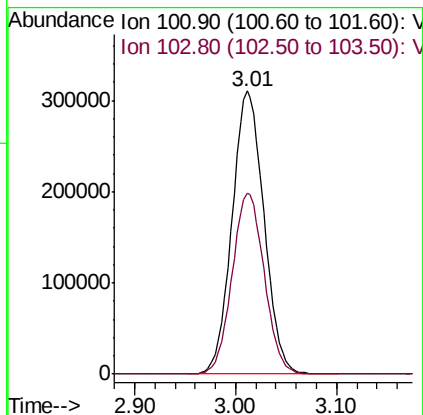
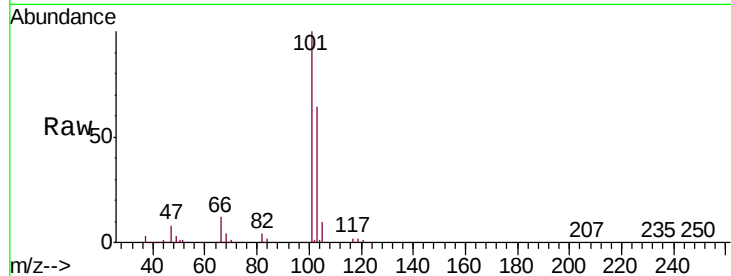


#7

Trichlorofluoromethane
Concen: 45.73 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Instrument :
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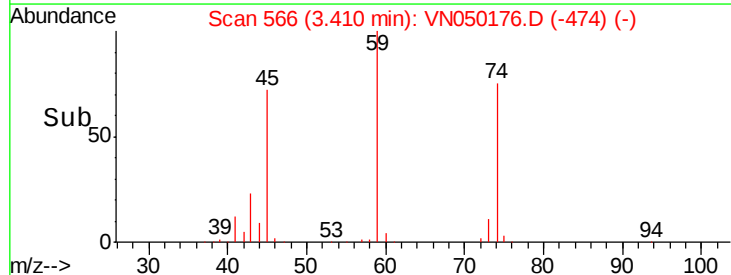
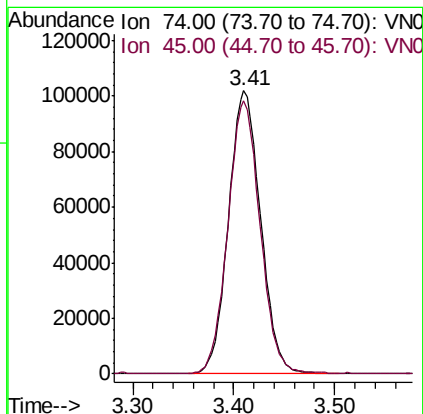
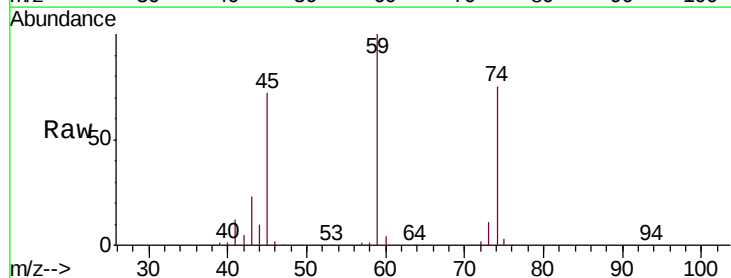
Tot Ion:101 Resp: 681659
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5

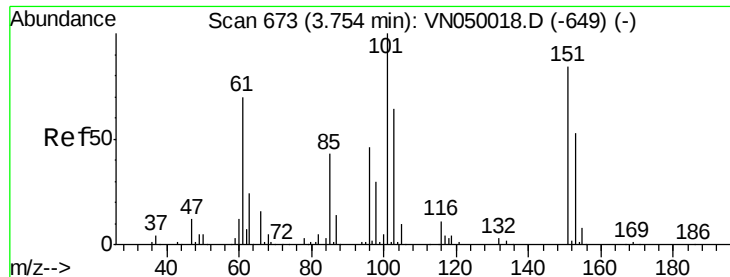


#8

Diethyl Ether
Concen: 45.47 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 74 Resp: 225963
Ion Ratio Lower Upper
74 100
45 96.1 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.45 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

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MSVOA_N

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VSTDCCC050

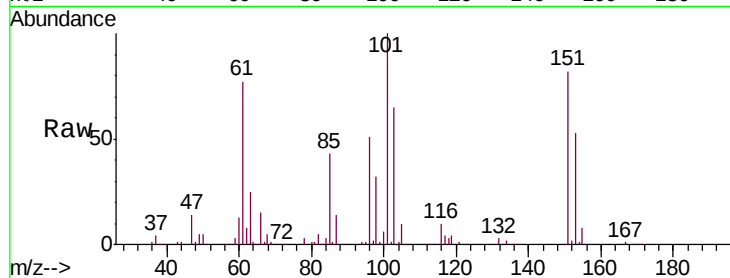
Tot Ion:101 Resp: 425353

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.2

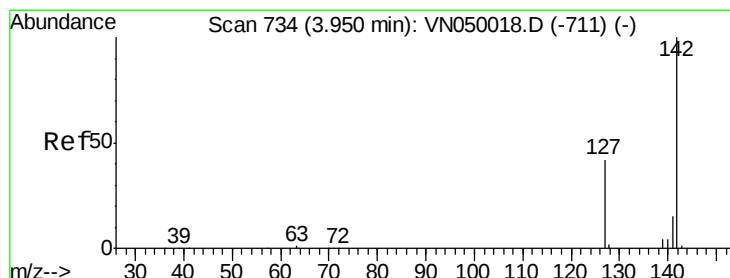
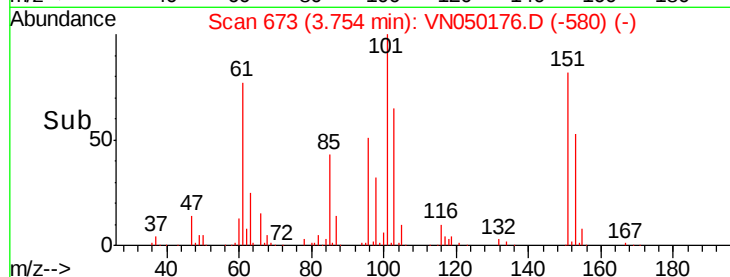
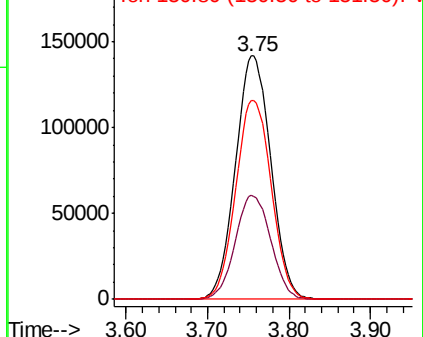
151 82.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.66 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

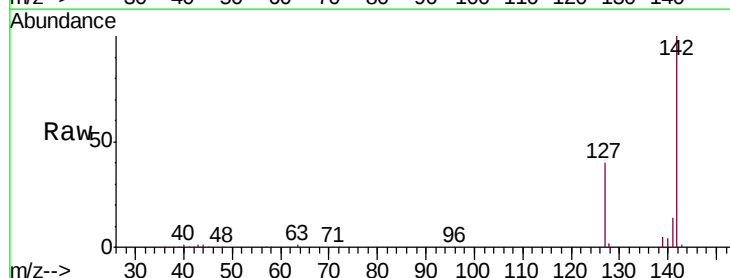
Tgt Ion:142 Resp: 237713

Ion Ratio Lower Upper

142 100

127 41.2 33.4 50.2

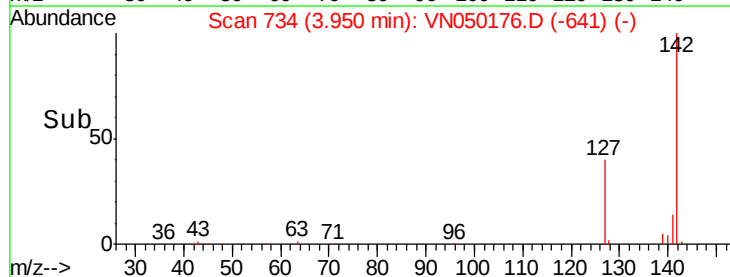
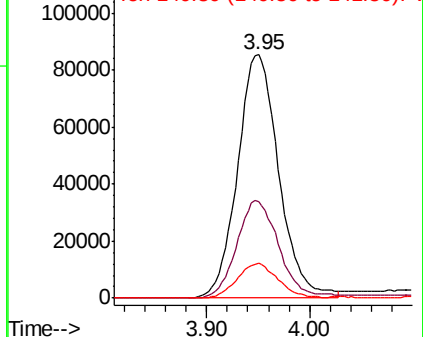
141 14.2 11.6 17.4

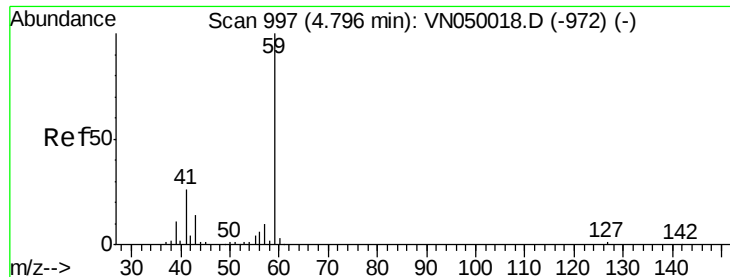


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



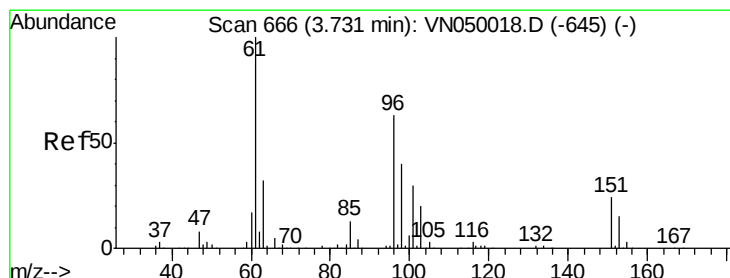
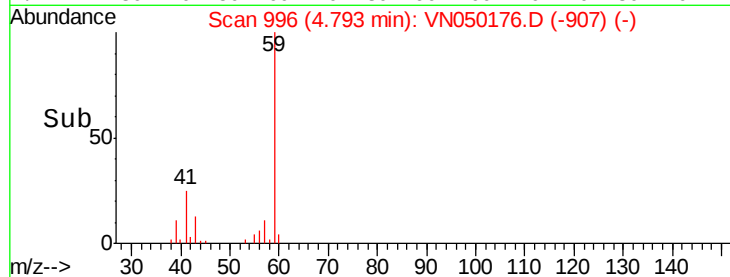
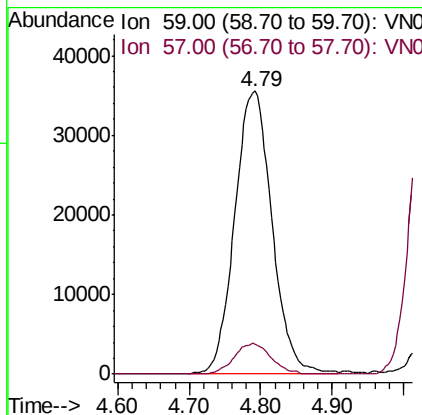
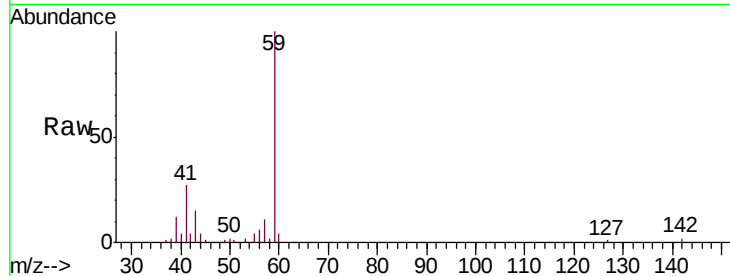


#11

Tert butyl alcohol
 Concen: 179.97 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

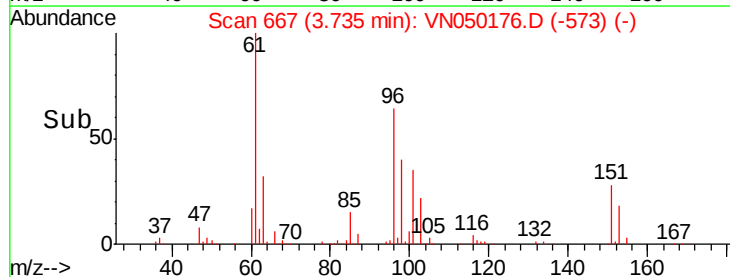
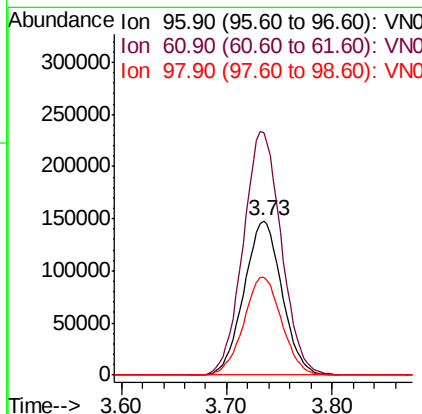
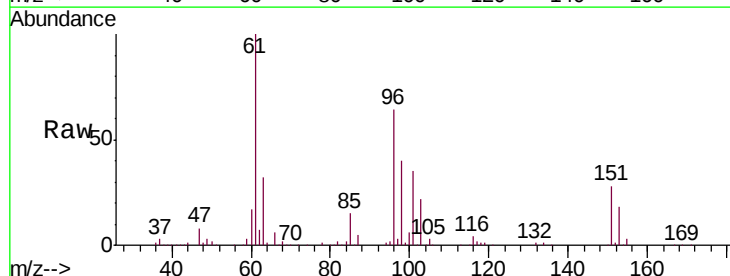
Tot Ion: 59 Resp: 129260
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7

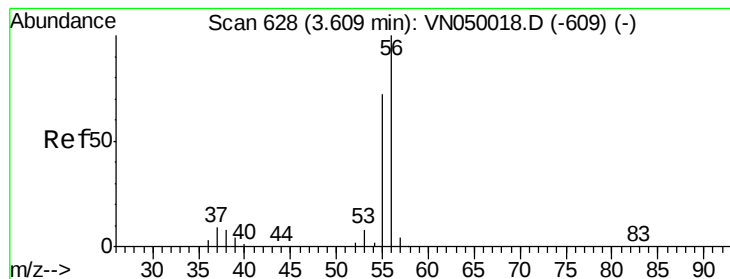


#12

1,1-Dichloroethene
 Concen: 45.94 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion: 96 Resp: 370420
 Ion Ratio Lower Upper
 96 100
 61 156.5 124.4 186.6
 98 63.3 48.3 72.5





#13

Acrolein

Concen: 84.09 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

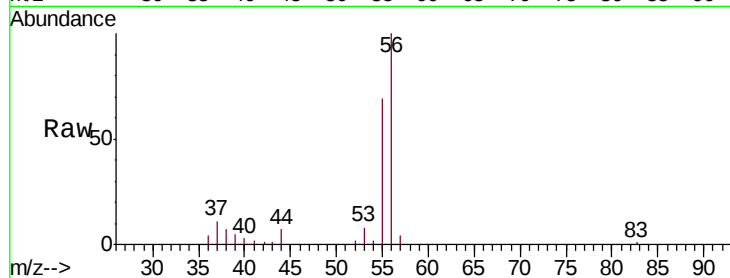
VSTDCCC050

Tot Ion: 56 Resp: 48522

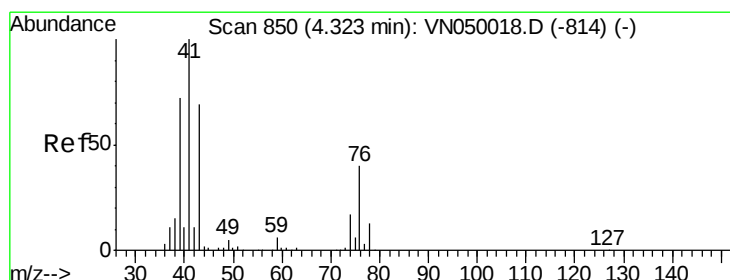
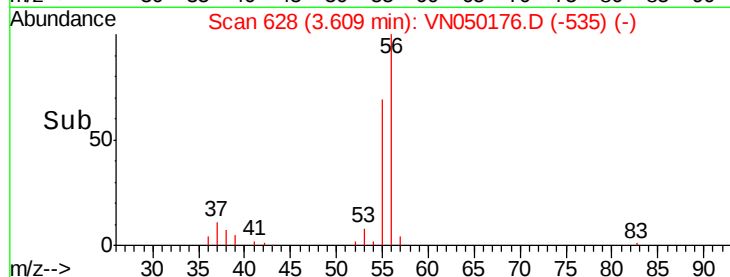
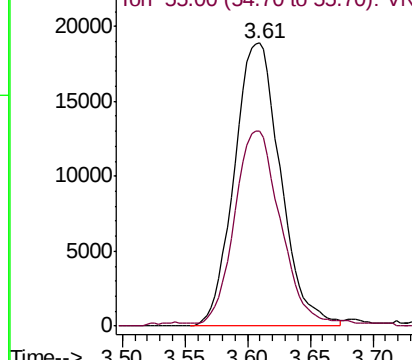
Ion Ratio Lower Upper

56 100

55 66.9 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.41 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

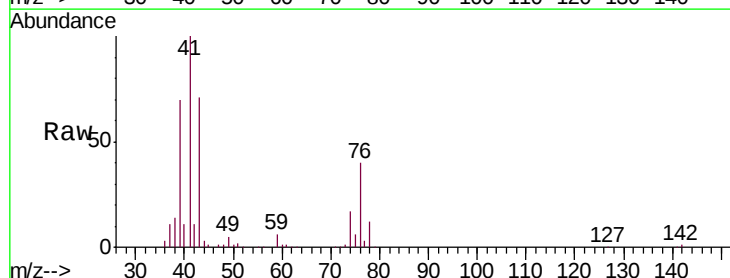
Tgt Ion: 41 Resp: 605309

Ion Ratio Lower Upper

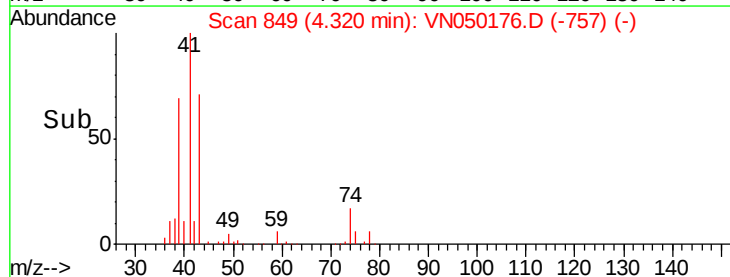
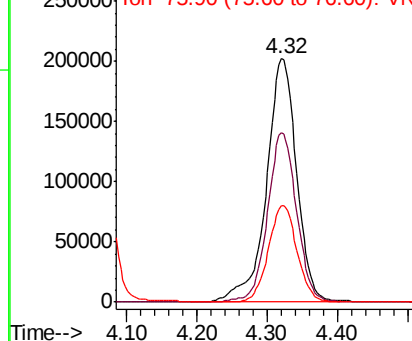
41 100

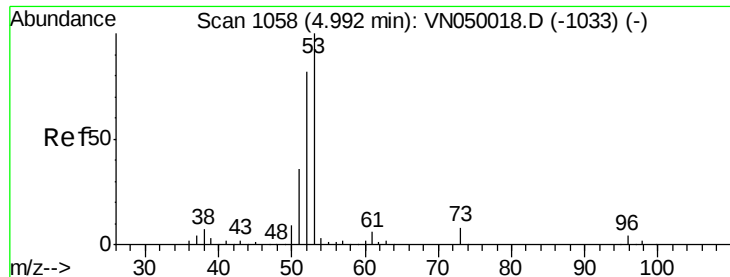
39 67.1 54.2 81.4

76 37.2 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO

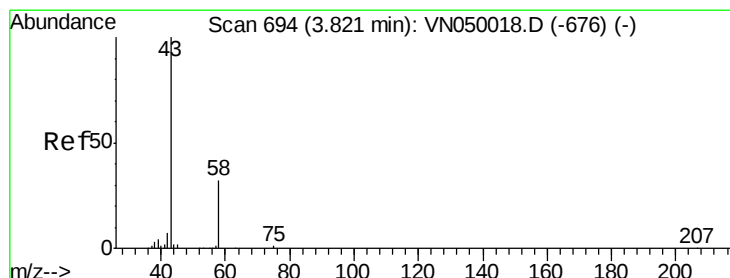
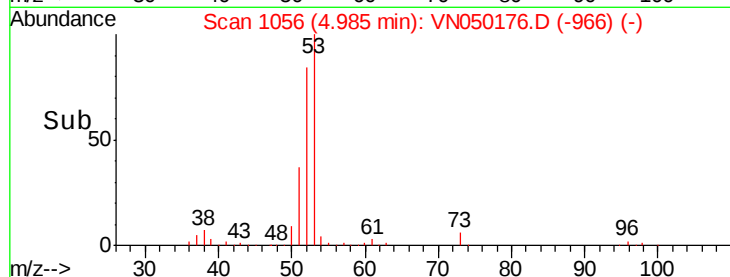
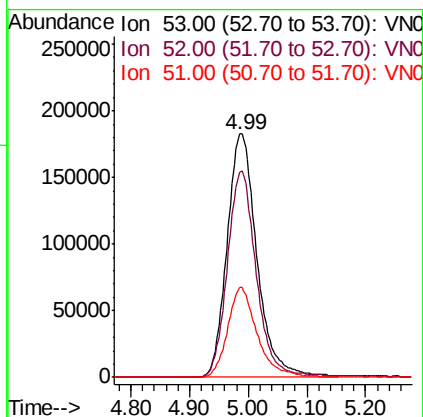
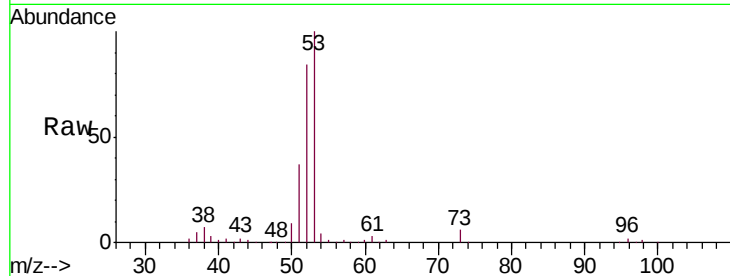




#15
 Acrylonitrile
 Concen: 207.05 ug/l
 RT: 4.99 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

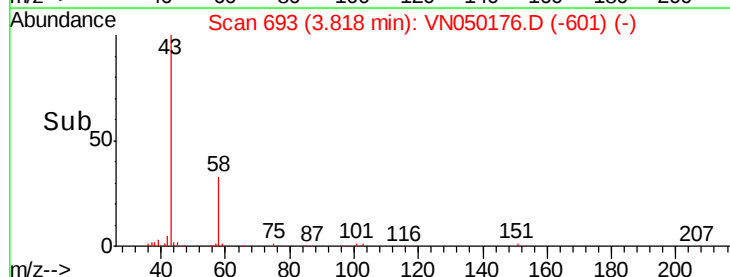
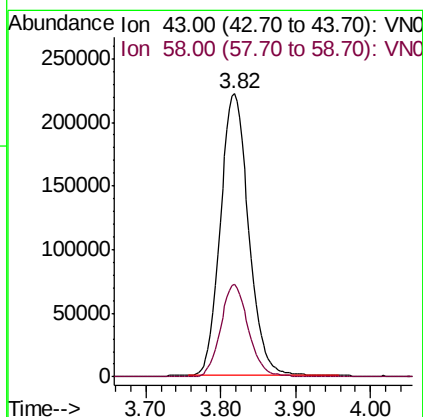
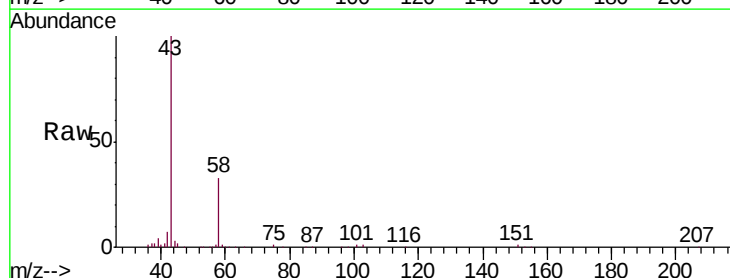
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

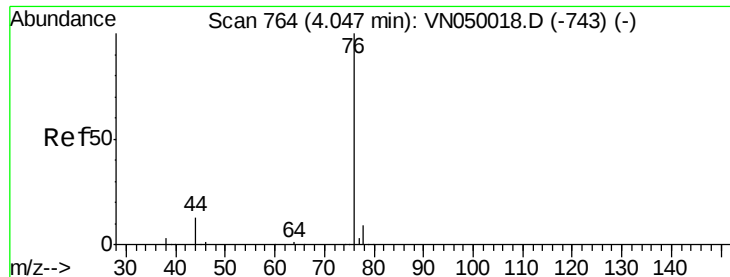
Tot Ion: 53 Resp: 648788
 Ion Ratio Lower Upper
 53 100
 52 82.4 66.2 99.2
 51 36.6 29.3 43.9



#16
 Acetone
 Concen: 252.10 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion: 43 Resp: 579544
 Ion Ratio Lower Upper
 43 100
 58 32.6 25.8 38.8

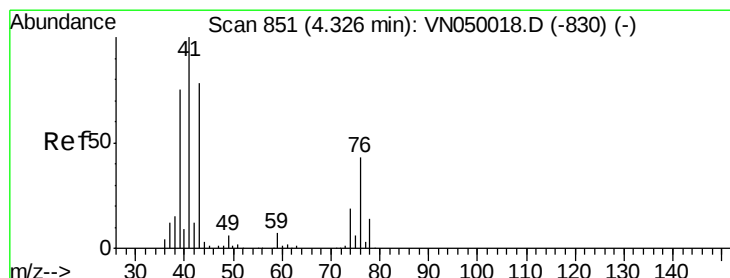
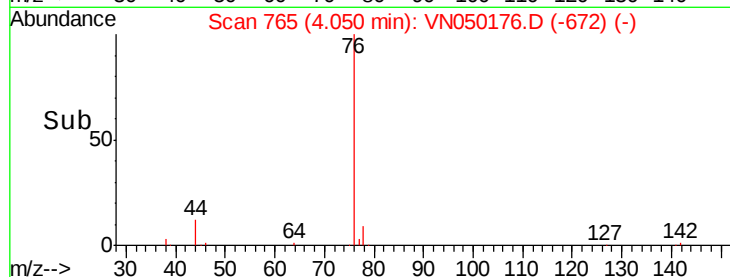
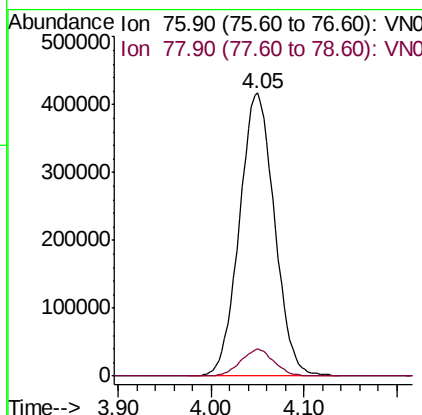
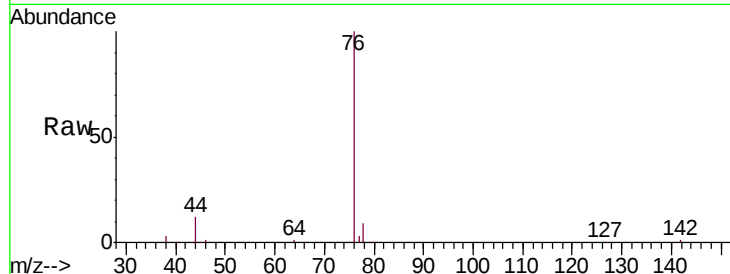




#17
Carbon Disulfide
Concen: 44.42 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

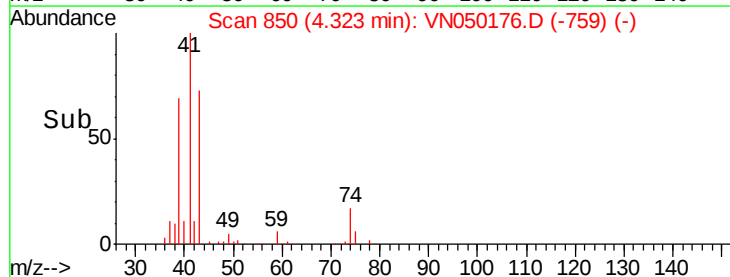
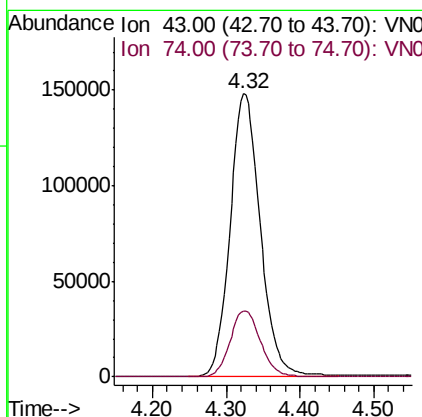
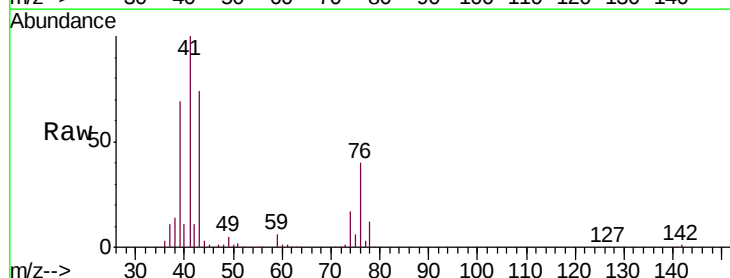
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

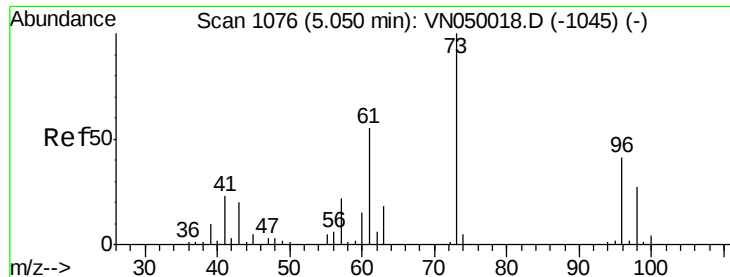
Tot Ion: 76 Resp: 1097230
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 47.03 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.01 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 43 Resp: 421448
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 46.82 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

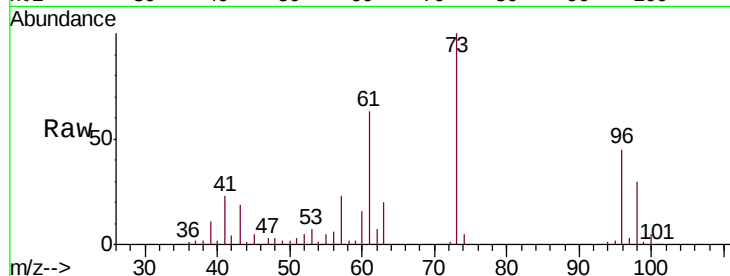
VSTDCCC050

Tot Ion: 73 Resp: 1006084

Ion Ratio Lower Upper

73 100

57 22.8 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VNC

Ion 57.00 (56.70 to 57.70): VNC

5.04

300000

250000

200000

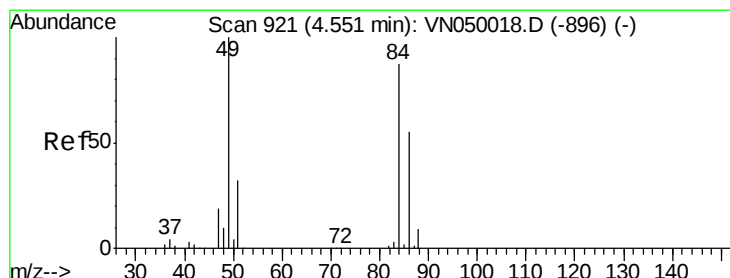
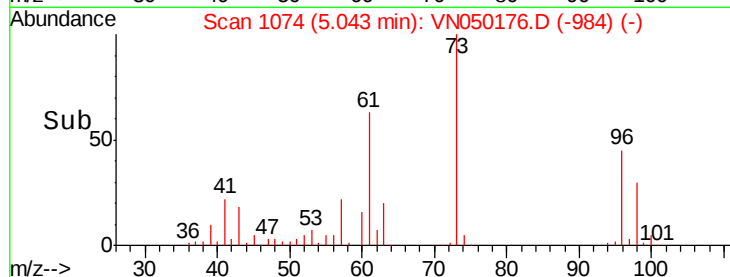
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 49.34 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Tgt Ion: 84 Resp: 427190

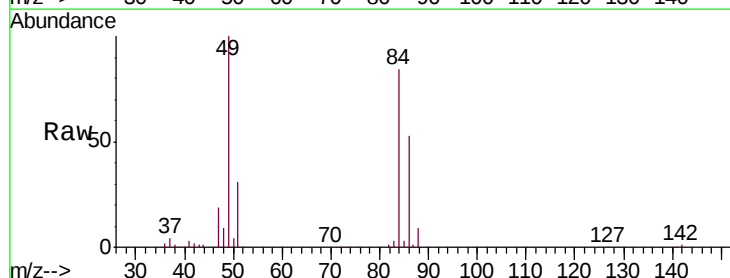
Ion Ratio Lower Upper

84 100

49 118.9 94.8 142.2

51 36.6 28.3 42.5

86 63.6 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

250000

200000

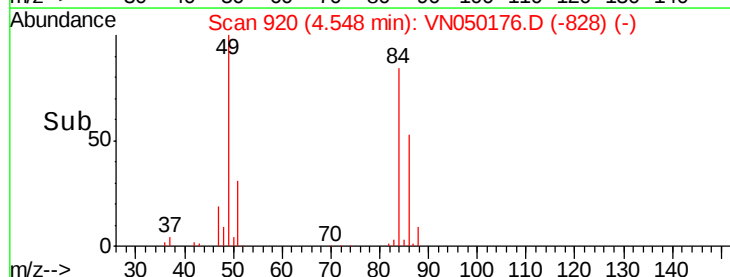
150000

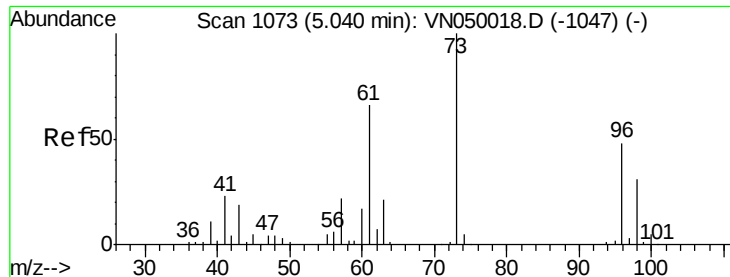
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 47.05 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

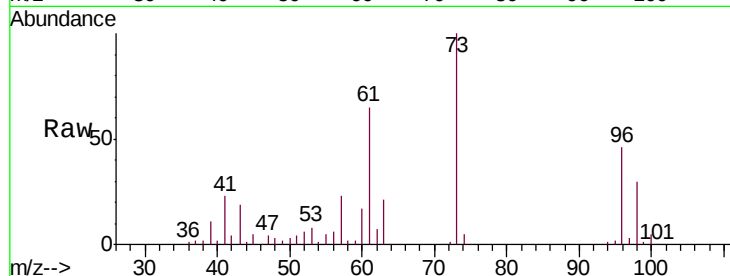
Tot Ion: 96 Resp: 401970

Ion Ratio Lower Upper

96 100

61 140.3 110.7 166.1

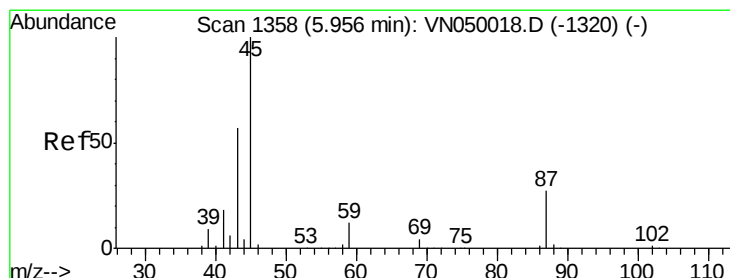
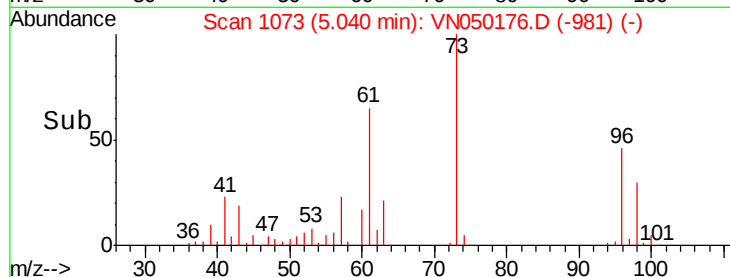
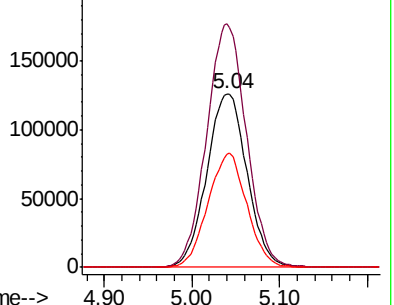
98 65.4 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN050018.D (-1047) (-)

Ion 60.90 (60.60 to 61.60): VN050018.D (-1047) (-)

Ion 97.90 (97.60 to 98.60): VN050018.D (-1047) (-)



#22

Diisopropyl ether

Concen: 51.43 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Tgt Ion: 45 Resp: 1274983

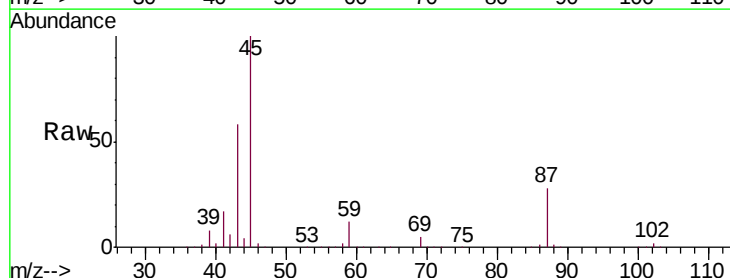
Ion Ratio Lower Upper

45 100

43 57.4 45.7 68.5

87 28.3 22.7 34.1

59 12.2 9.5 14.3

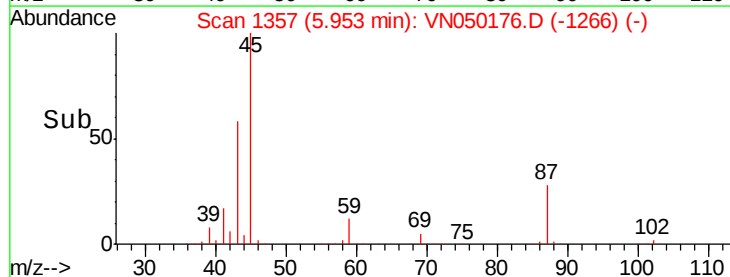
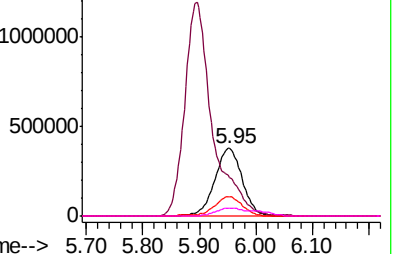


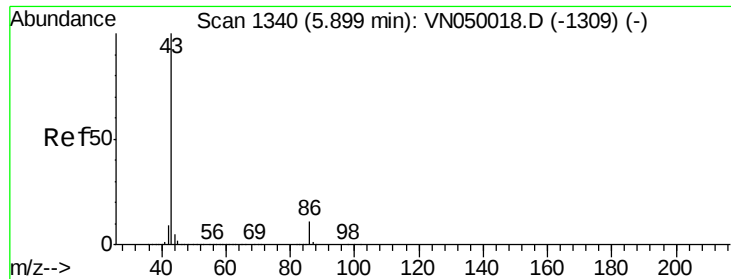
Abundance Ion 45.00 (44.70 to 45.70): VN050018.D (-1320) (-)

Ion 43.00 (42.70 to 43.70): VN050018.D (-1320) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-1320) (-)

Ion 59.00 (58.70 to 59.70): VN050018.D (-1320) (-)

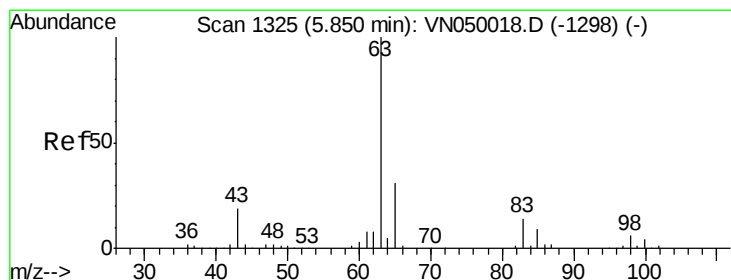
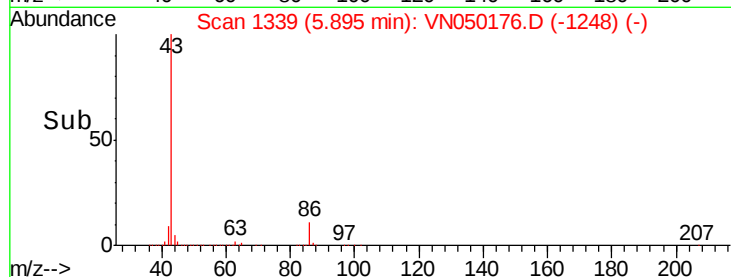
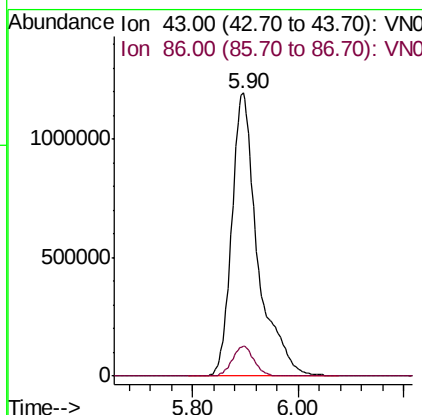
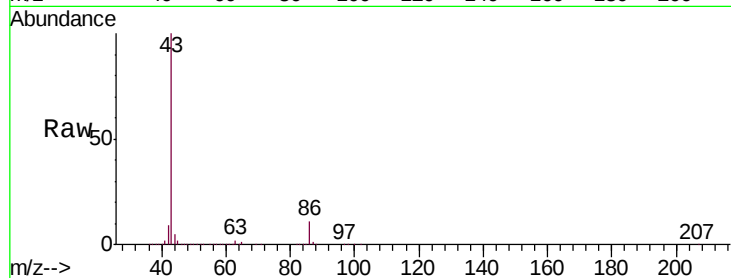




#23
 Vinyl Acetate
 Concen: 232.03 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

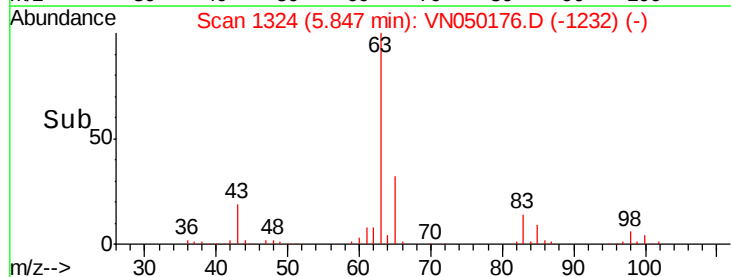
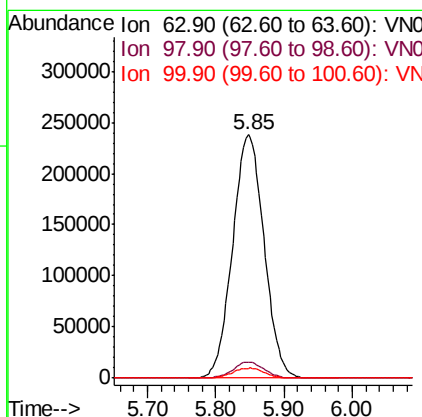
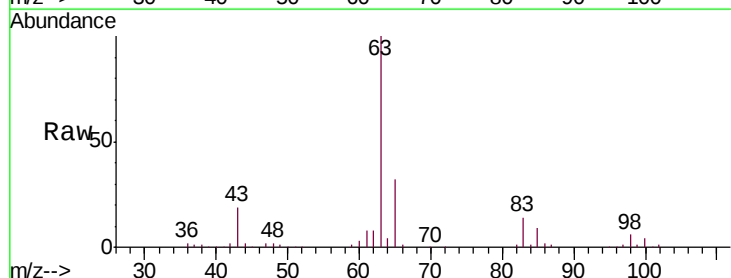
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

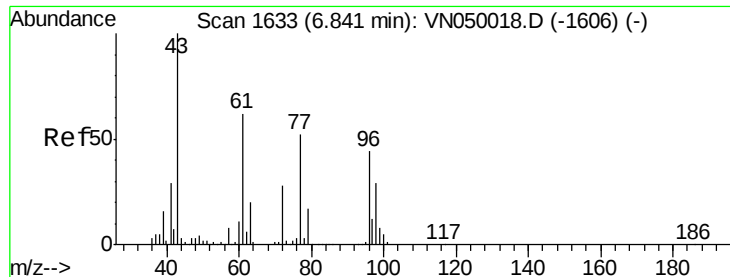
Tot Ion: 43 Resp: 4065177
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 47.05 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion: 63 Resp: 762727
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.1 2.1 6.3

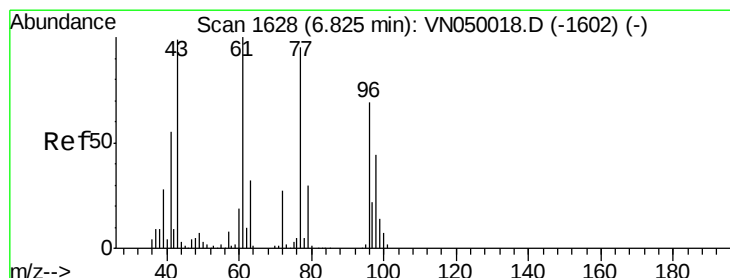
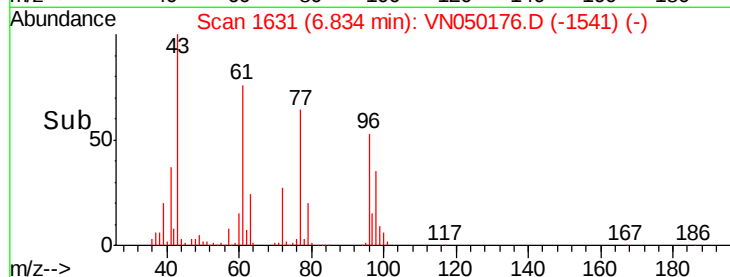
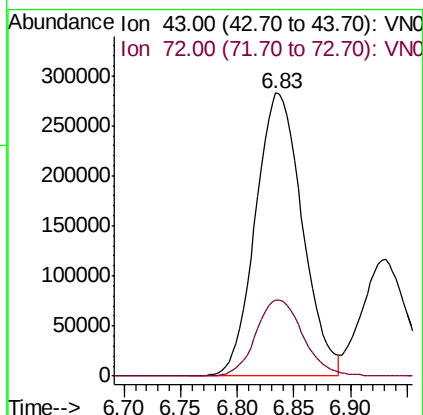
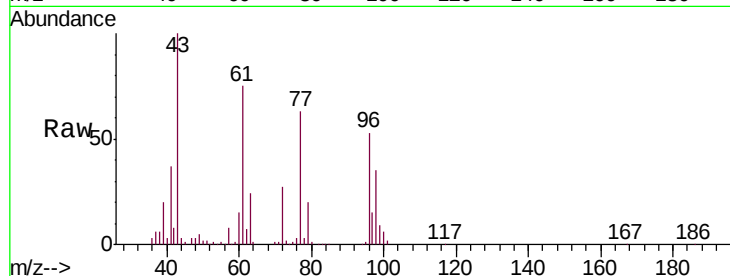




#25
 2-Butanone
 Concen: 217.61 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

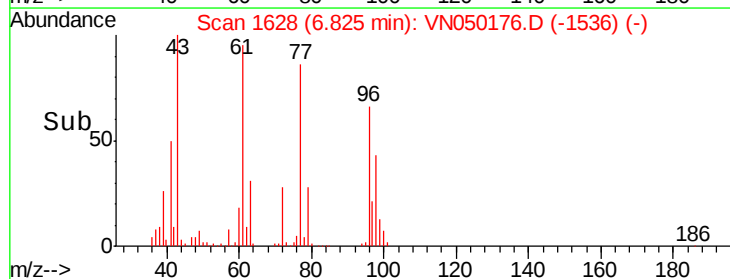
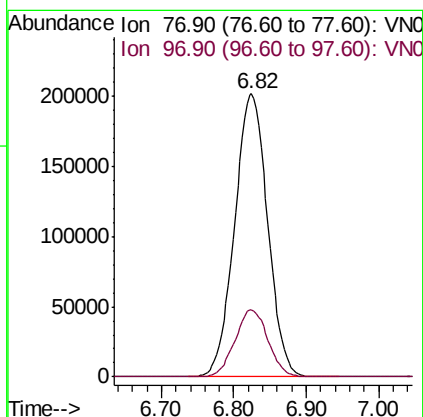
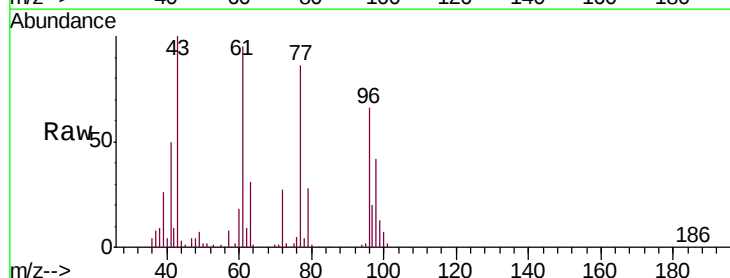
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

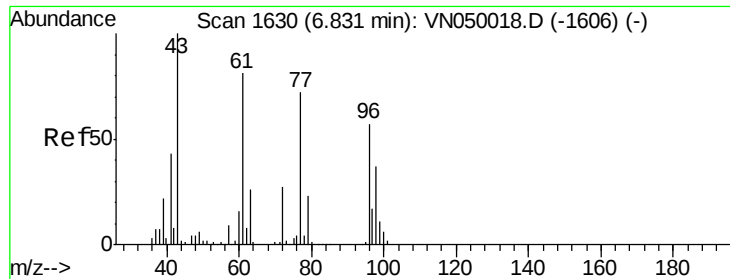
Tot Ion: 43 Resp: 810197
 Ion Ratio Lower Upper
 43 100
 72 27.1 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 51.86 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion: 77 Resp: 639531
 Ion Ratio Lower Upper
 77 100
 97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.46 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

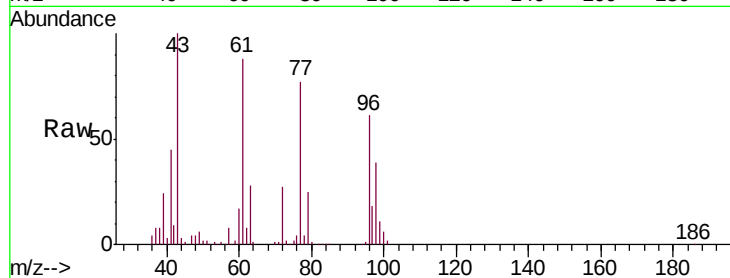
Tot Ion: 96 Resp: 454869

Ion Ratio Lower Upper

96 100

61 144.9 0.0 285.0

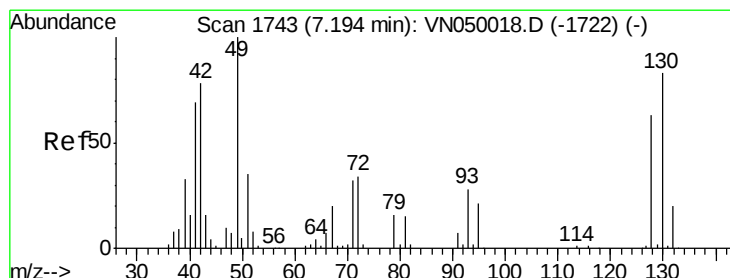
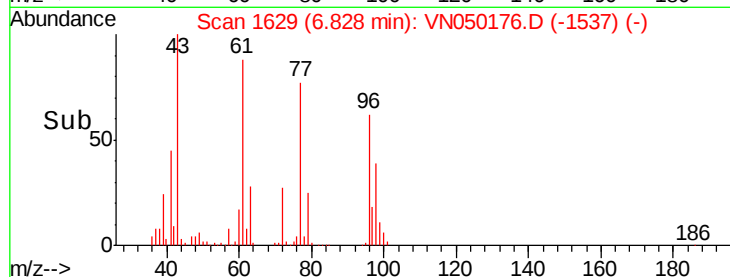
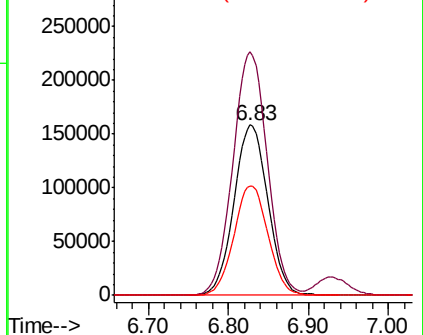
98 64.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.76 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

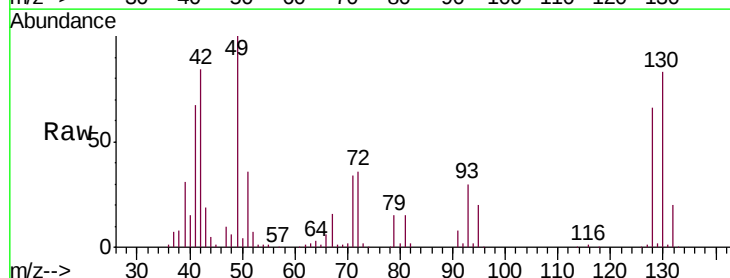
Tgt Ion: 49 Resp: 360521

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

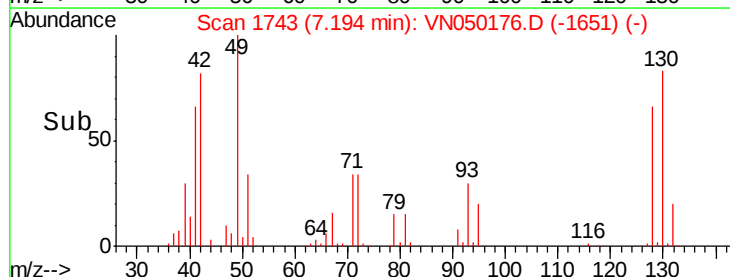
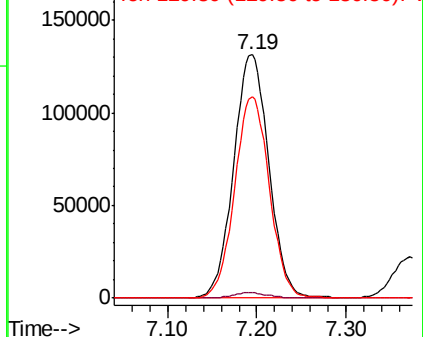
130 81.7 66.3 99.5

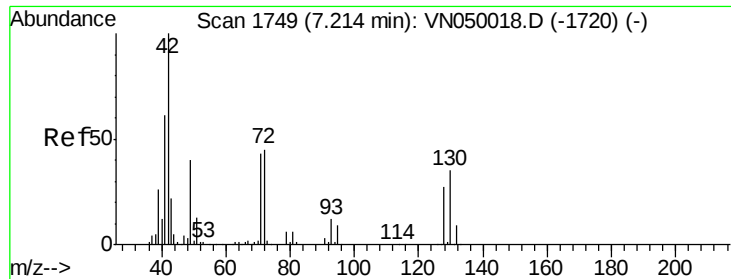


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

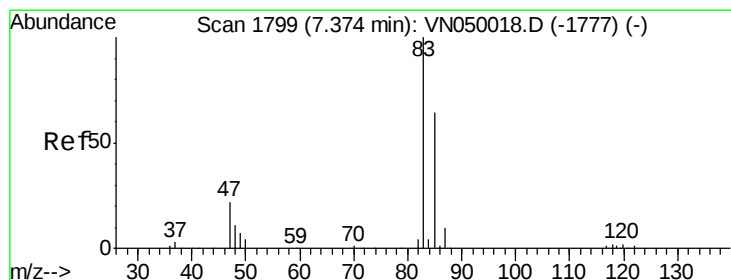
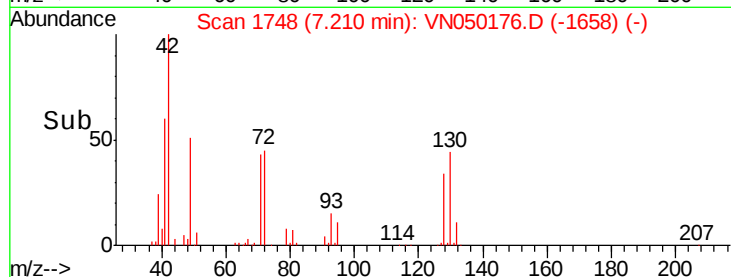
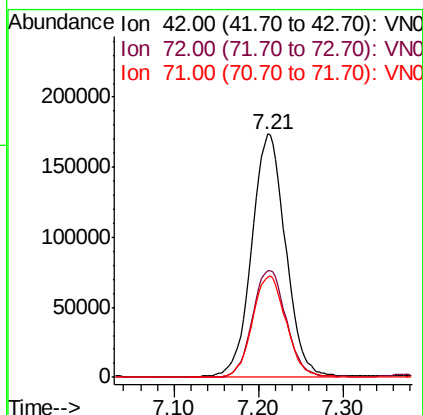
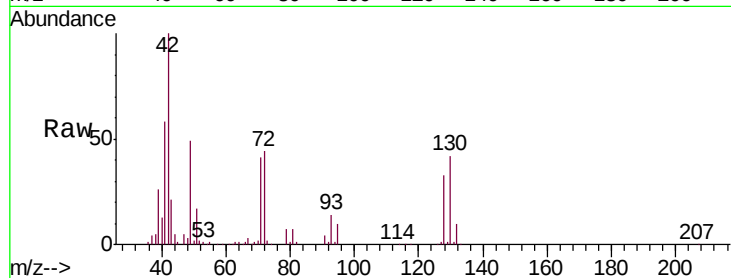




#29
Tetrahydrofuran
Concen: 200.82 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

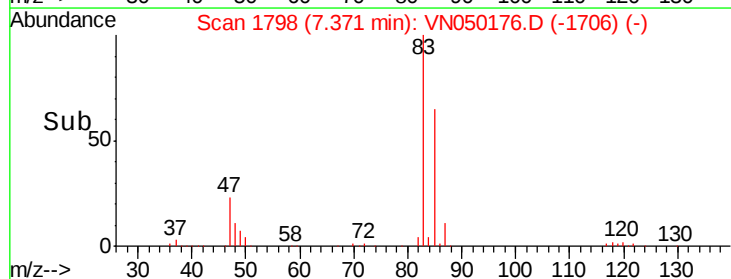
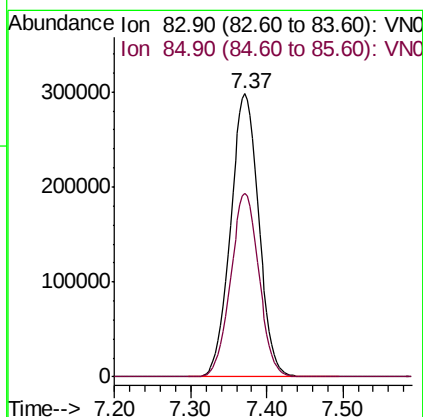
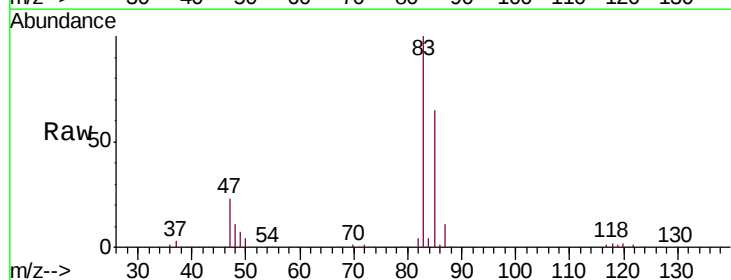
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

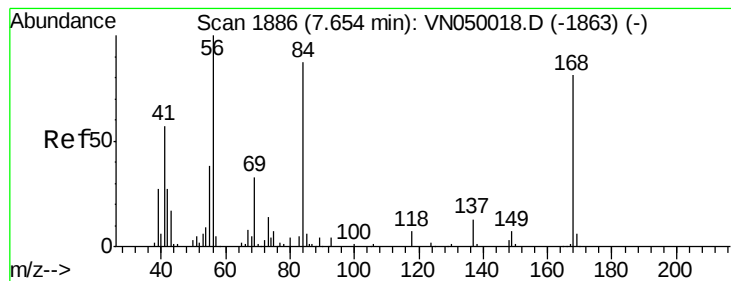
Tot Ion: 42 Resp: 483155
Ion Ratio Lower Upper
42 100
72 43.9 35.9 53.9
71 41.7 33.7 50.5



#30
Chloroform
Concen: 46.40 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 83 Resp: 767572
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7





#31

Cyclohexane

Concen: 49.15 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

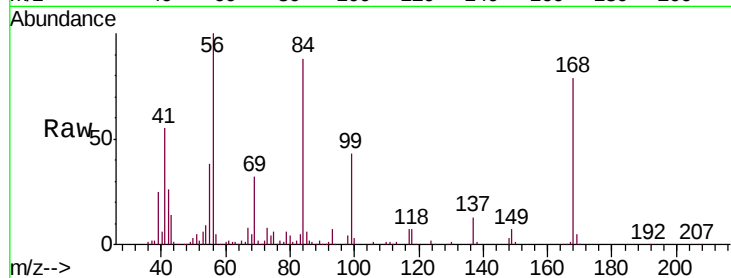
Tot Ion: 56 Resp: 660845

Ion Ratio Lower Upper

56 100

69 32.2 26.2 39.4

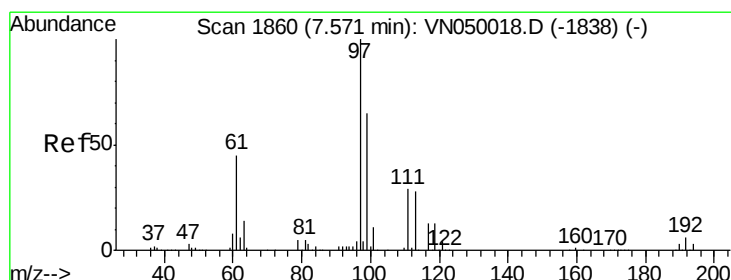
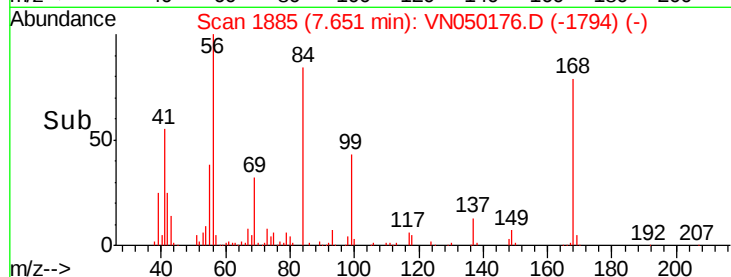
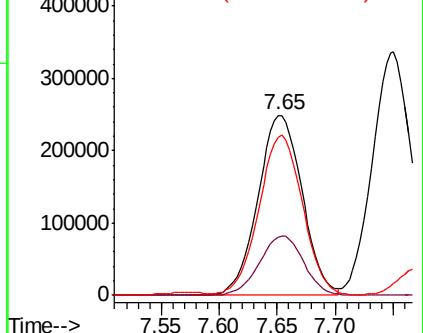
84 86.2 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050018.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050018.D (-1863) (-)



#32

1,1,1-Trichloroethane

Concen: 46.66 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

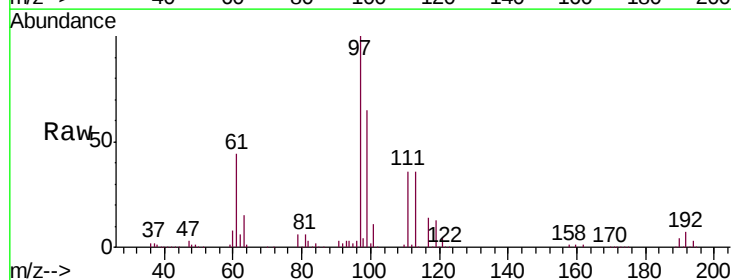
Tgt Ion: 97 Resp: 660304

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

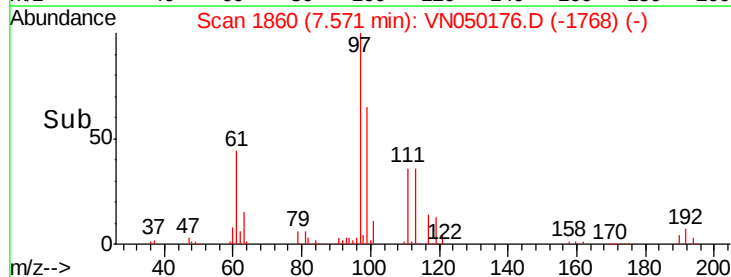
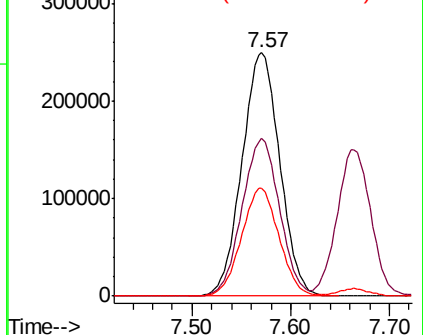
61 44.0 35.4 53.0

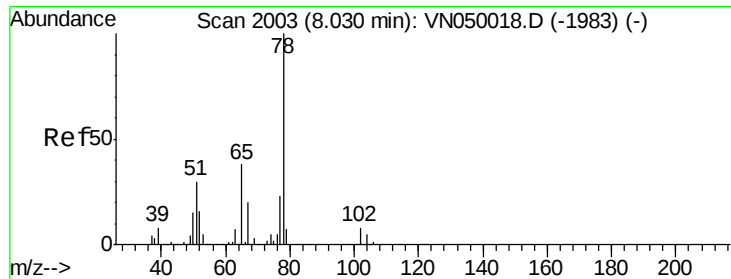


Abundance Ion 96.90 (96.60 to 97.60): VN050018.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050018.D (-1838) (-)

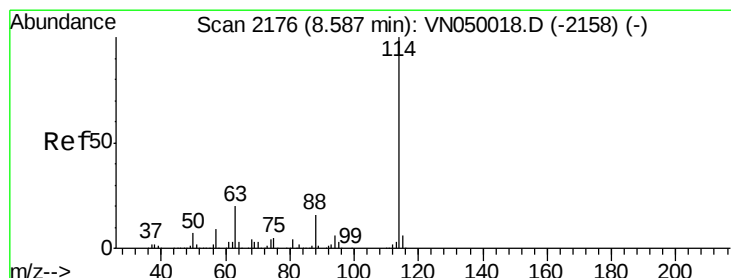
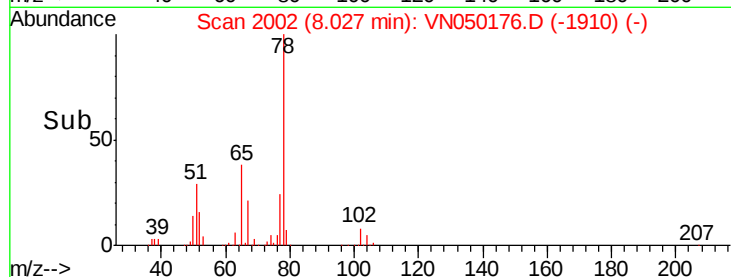
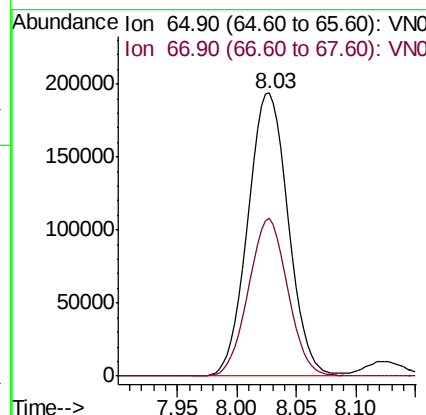
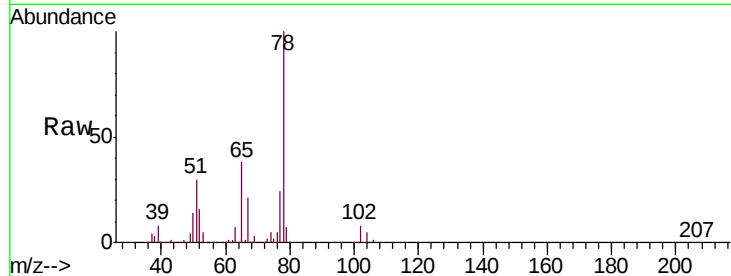




#33
 1,2-Dichloroethane-d4
 Concen: 46.78 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

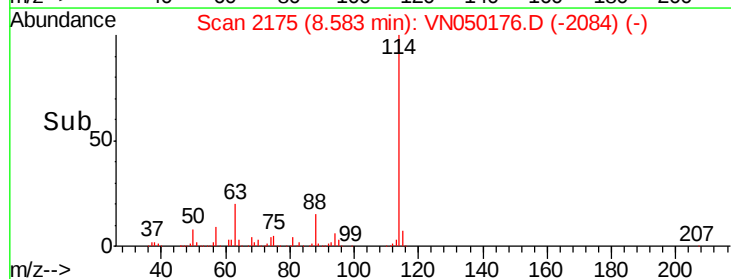
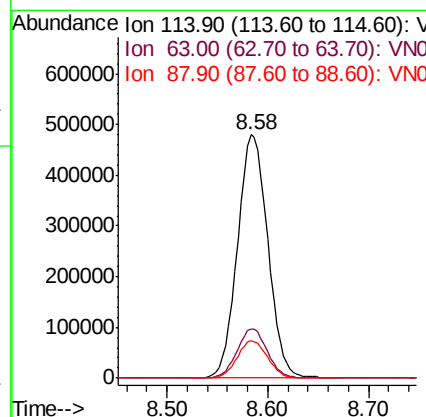
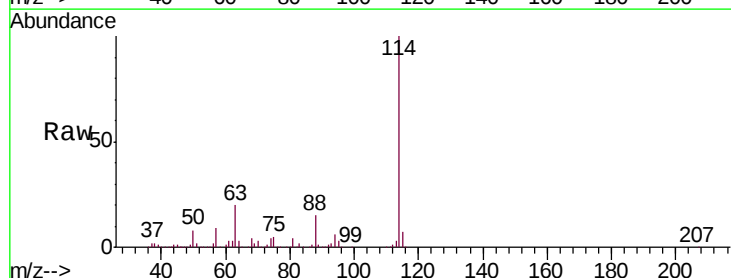
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

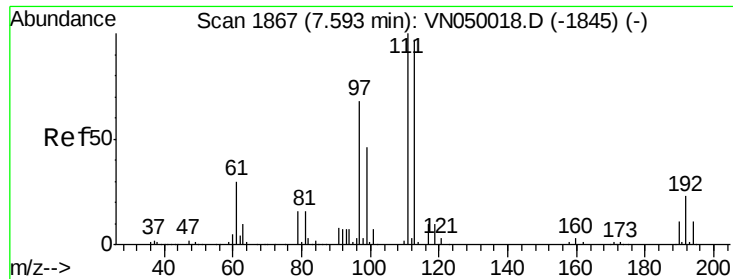
Tot Ion: 65 Resp: 456651
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion: 114 Resp: 1003953
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 15.2 0.0 31.2

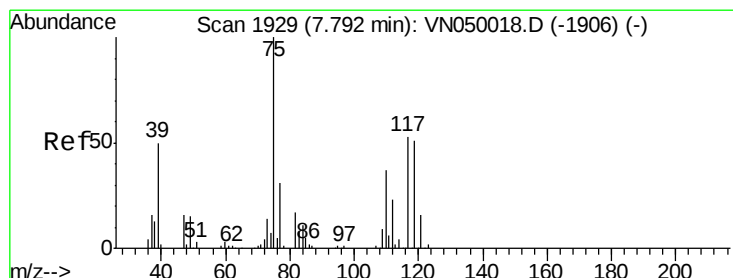
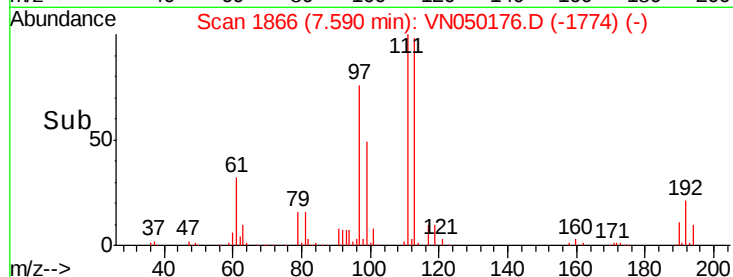
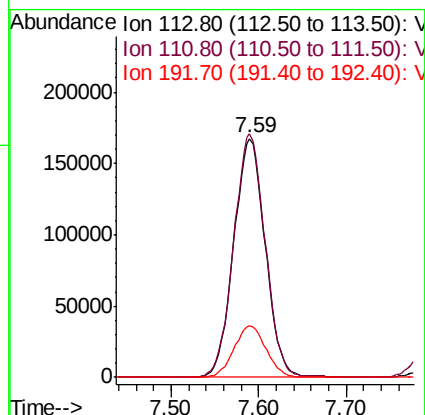
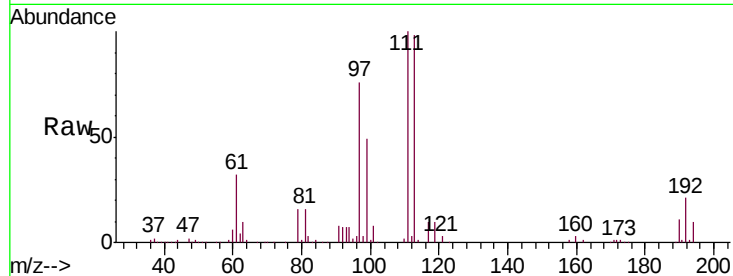




#35
 Dibromofluoromethane
 Concen: 51.10 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

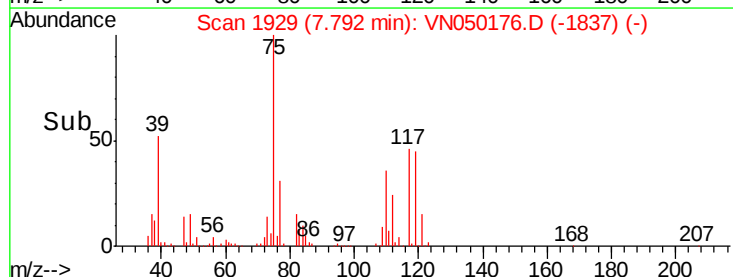
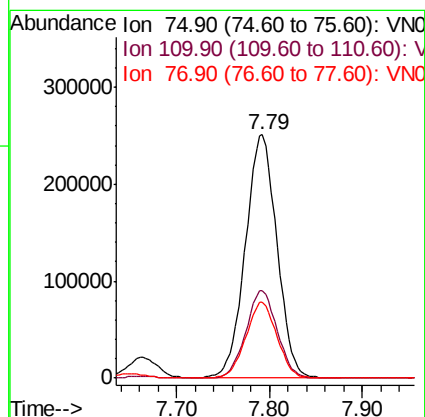
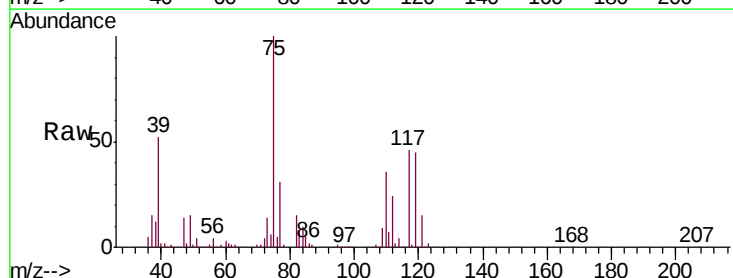
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

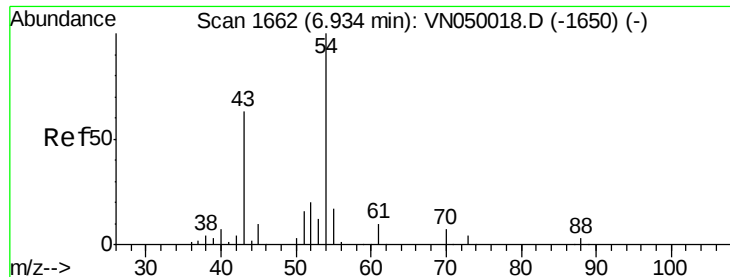
Tot Ion:113 Resp: 418888
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.7 121.1
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 52.44 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion: 75 Resp: 593188
 Ion Ratio Lower Upper
 75 100
 110 35.6 18.4 55.2
 77 31.0 25.3 37.9

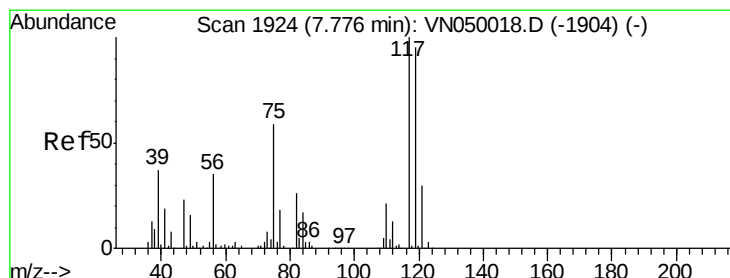
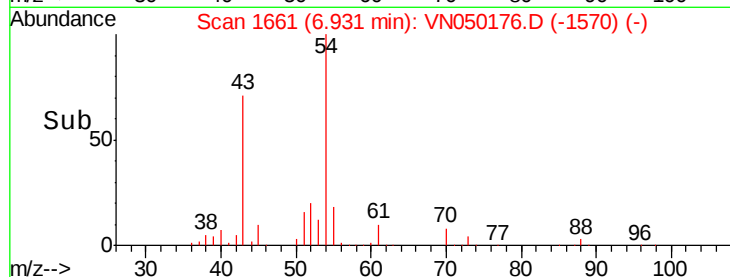
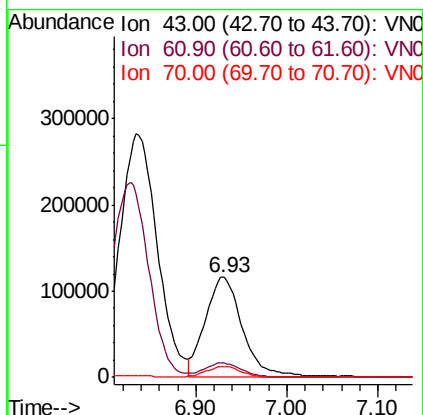
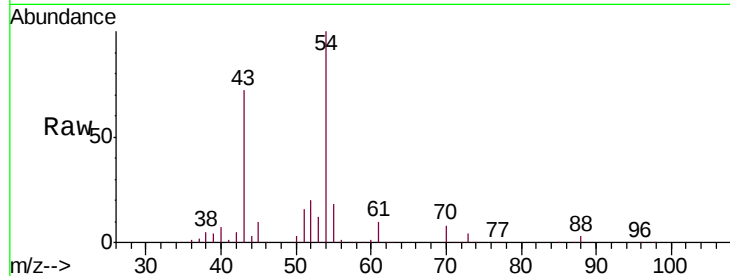




#37
Ethyl Acetate
Concen: 41.21 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

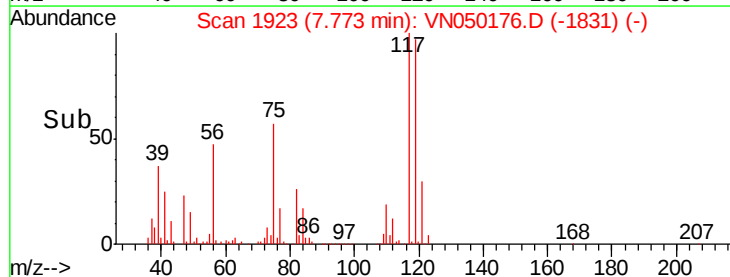
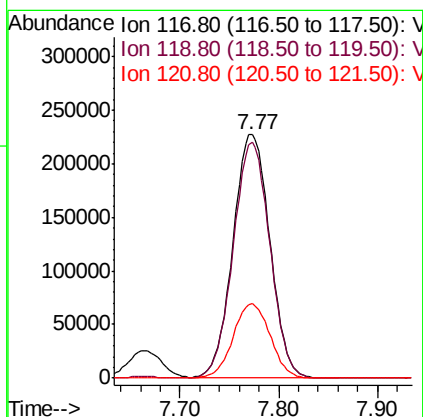
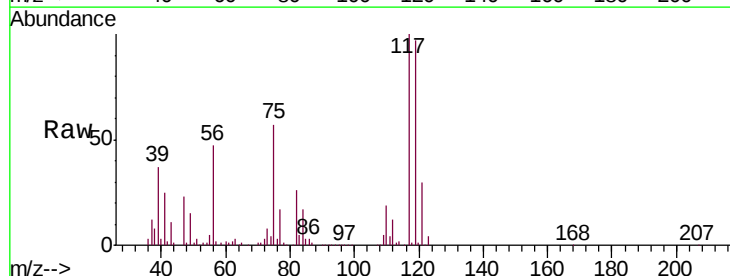
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

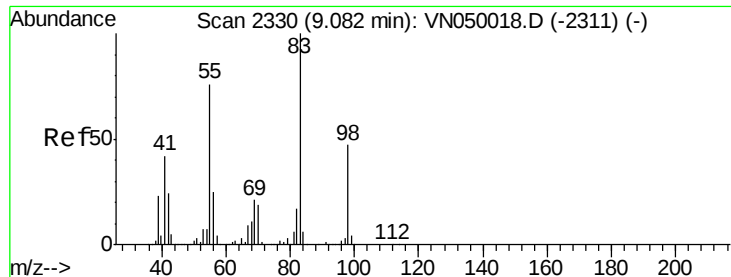
Tot Ion: 43 Resp: 325003
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.36 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 117 Resp: 592355
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.0
121 30.5 23.9 35.9

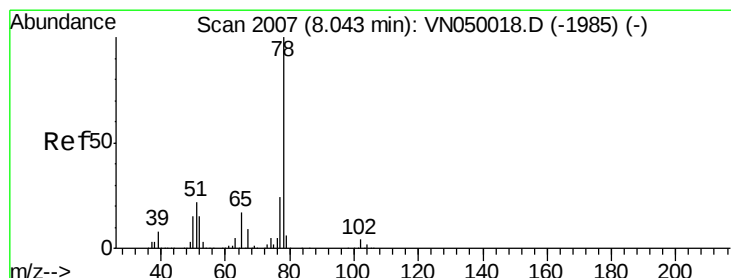
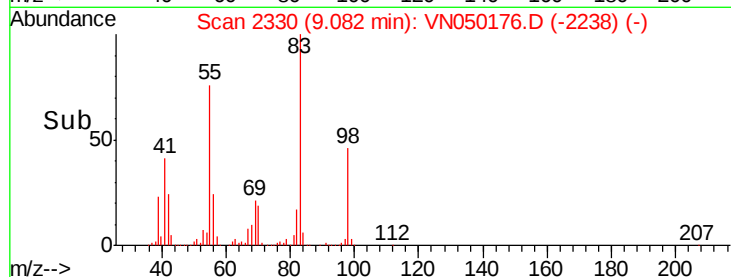
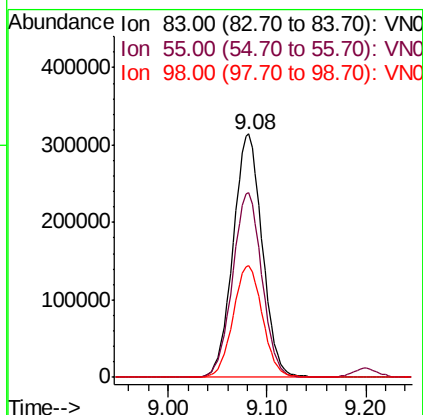
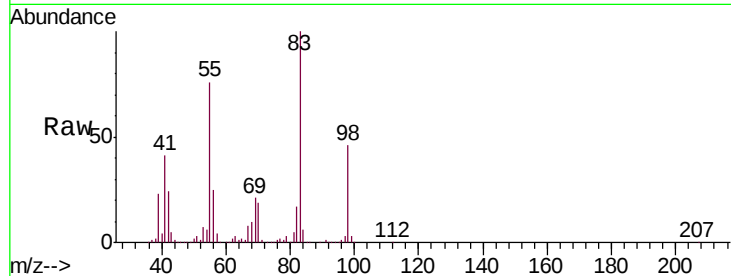




#39
Methvlcvclohexane
Concen: 55.55 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

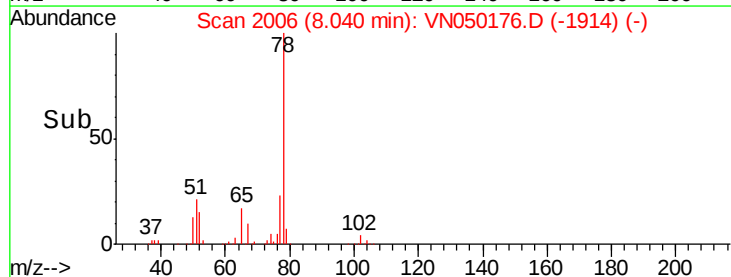
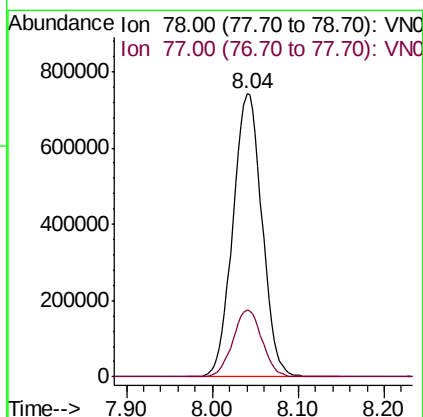
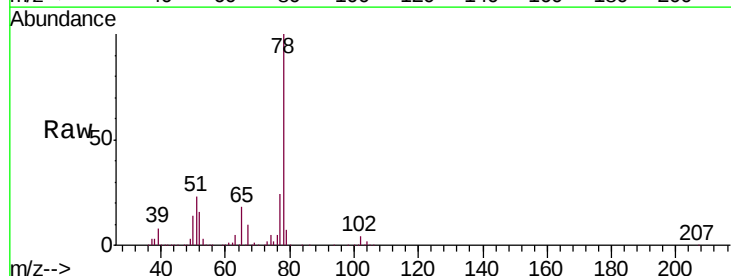
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

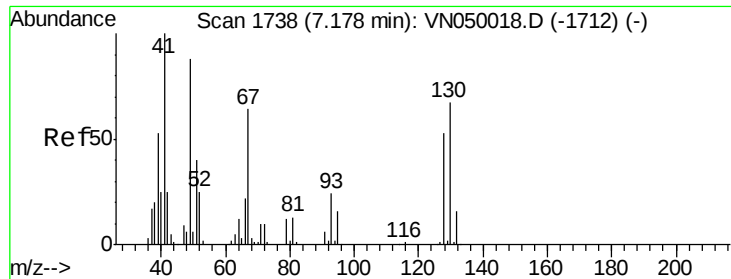
Tot Ion: 83 Resp: 646417
Ion Ratio Lower Upper
83 100
55 75.7 61.8 92.8
98 45.9 36.5 54.7



#40
Benzene
Concen: 50.65 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 78 Resp: 1743238
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

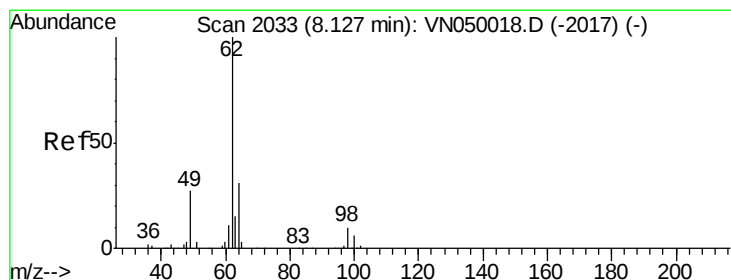
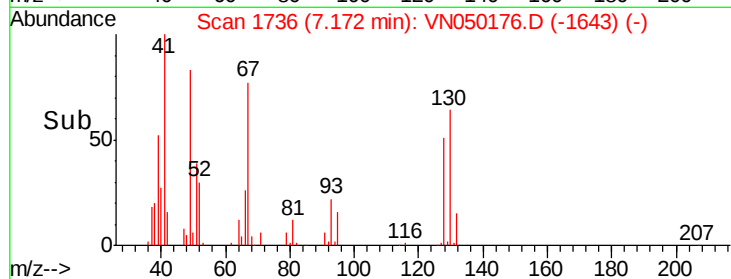
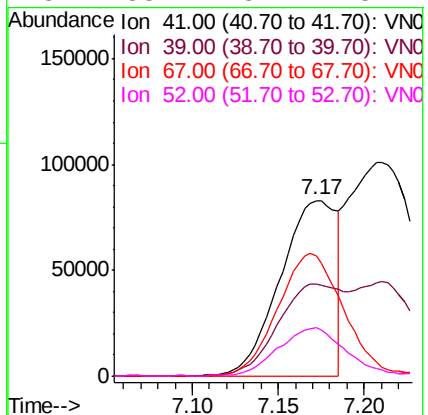
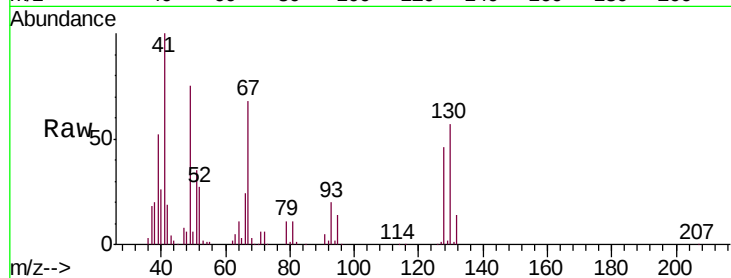




#41
Methacrylonitrile
Concen: 46.14 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

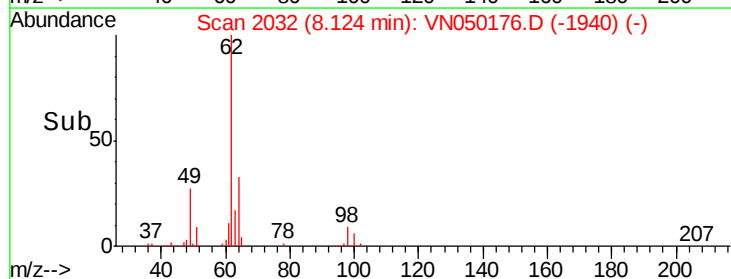
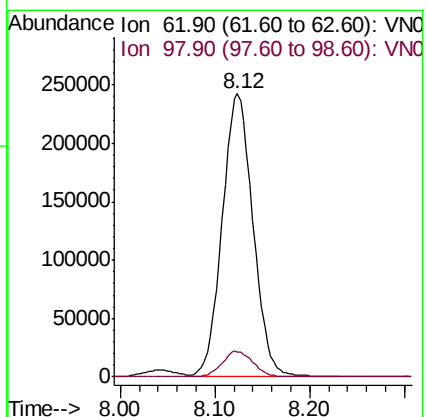
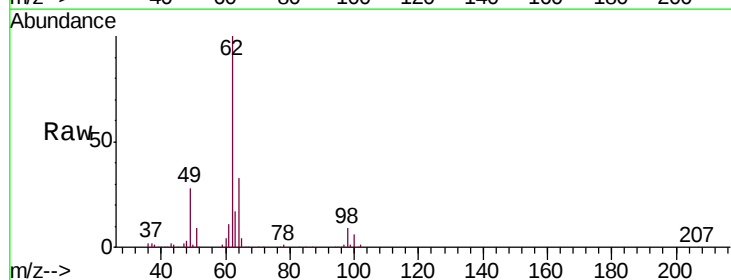
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

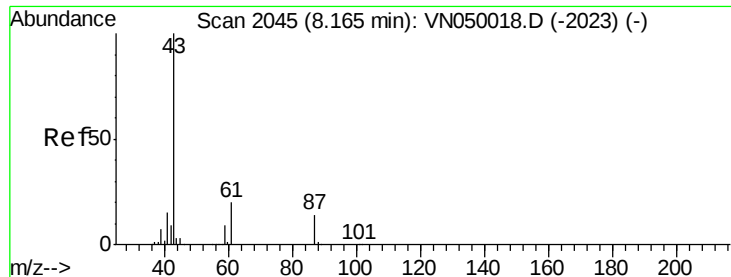
Tot Ion: 41 Resp: 188604
Ion Ratio Lower Upper
41 100
39 62.5 55.8 83.6
67 82.5 84.3 126.5#
52 33.1 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 47.54 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 62 Resp: 545859
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.8





#43

Isopropyl Acetate

Concen: 42.04 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.01 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

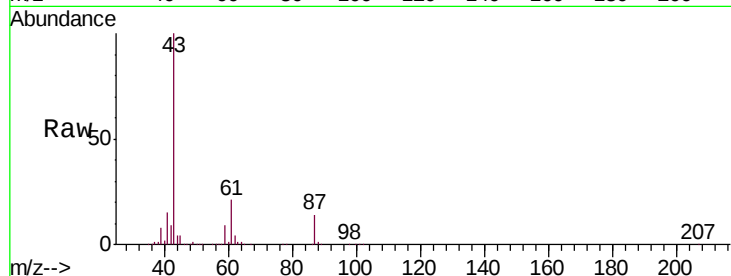
Tot Ion: 43 Resp: 627472

Ion Ratio Lower Upper

43 100

61 19.5 15.8 23.6

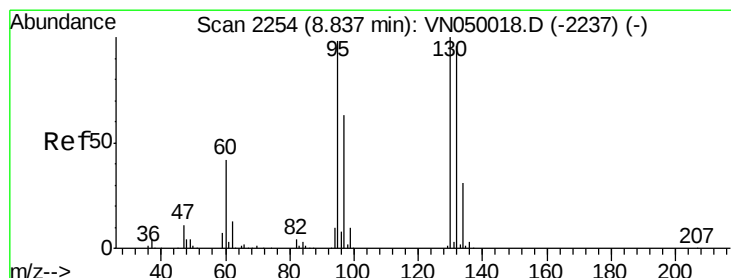
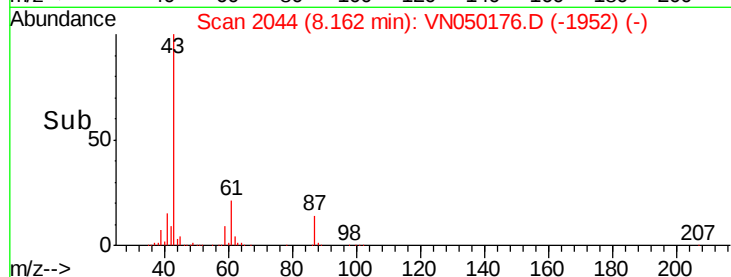
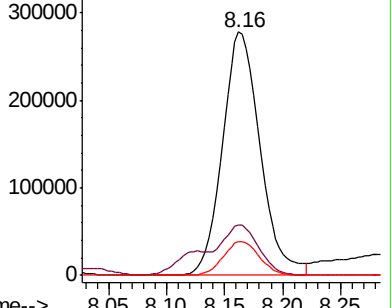
87 13.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)



#44

Trichloroethene

Concen: 49.95 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050176.D

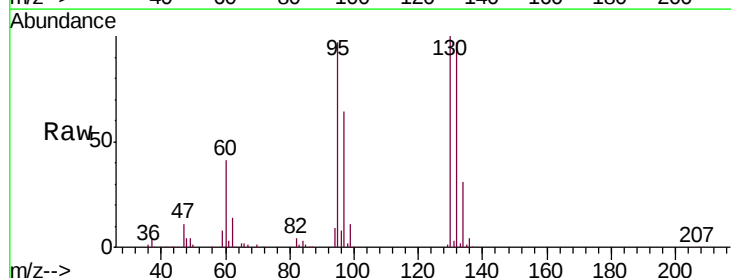
Acq: 30 Jul 2018 10:14

Tgt Ion:130 Resp: 462006

Ion Ratio Lower Upper

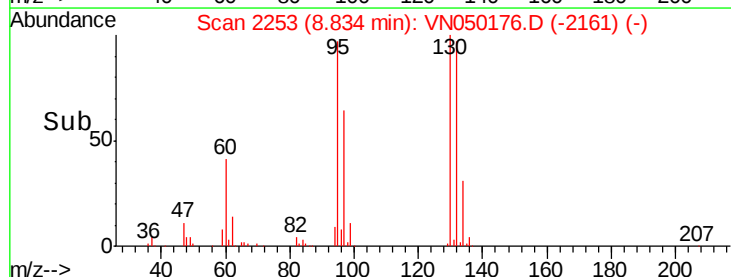
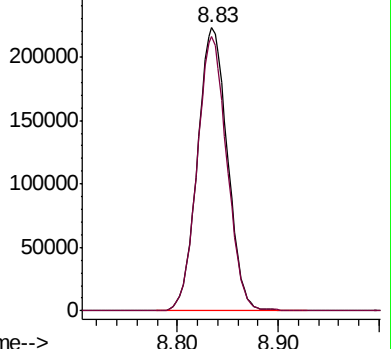
130 100

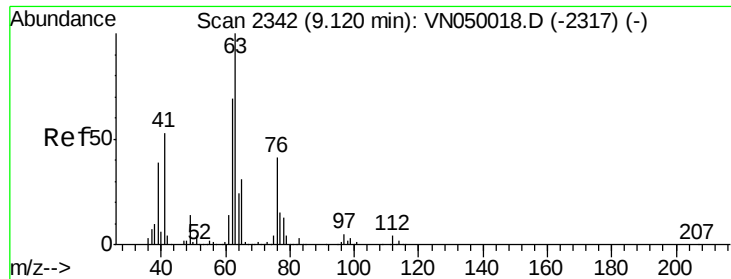
95 97.2 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)





#45

1,2-Dichloropropane

Concen: 50.61 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

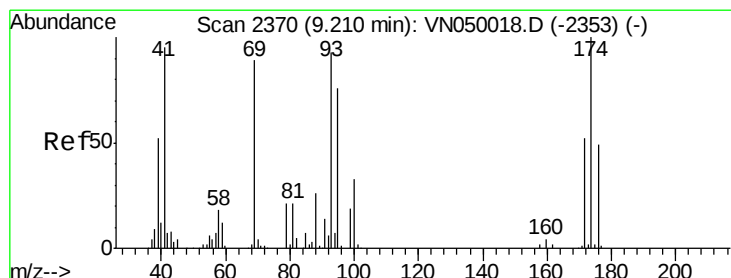
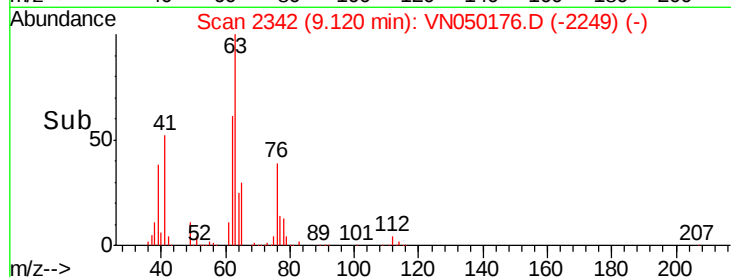
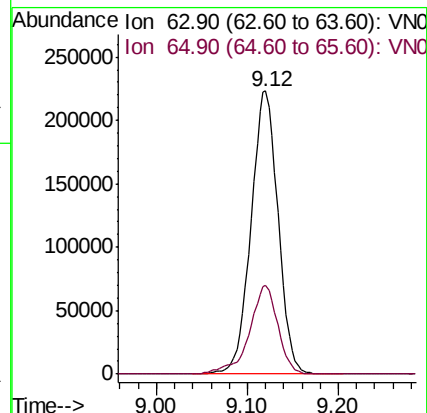
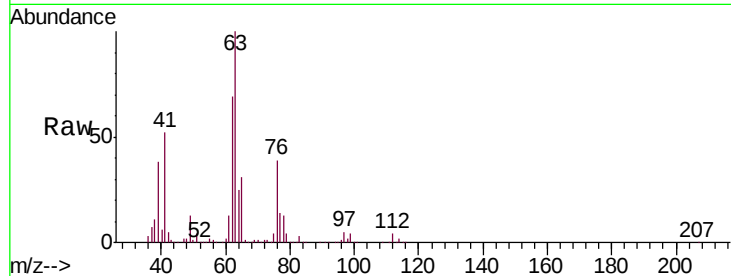
VSTDCCC050

Tot Ion: 63 Resp: 461358

Ion Ratio Lower Upper

63 100

65 31.4 25.5 38.3



#46

Dibromomethane

Concen: 48.16 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

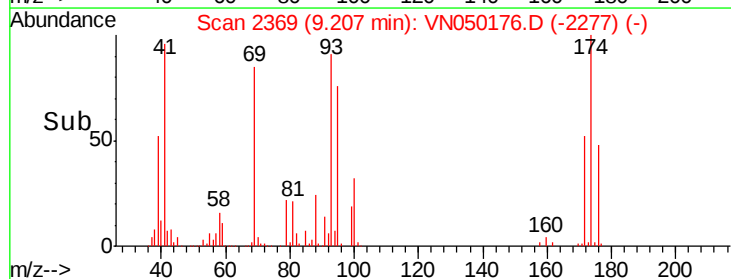
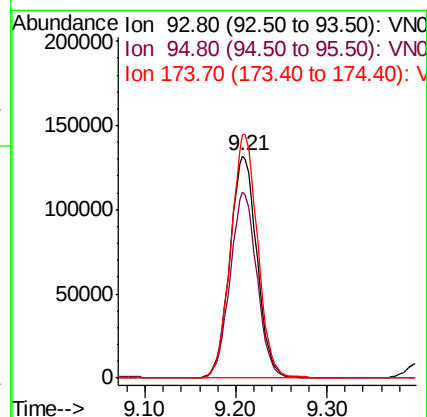
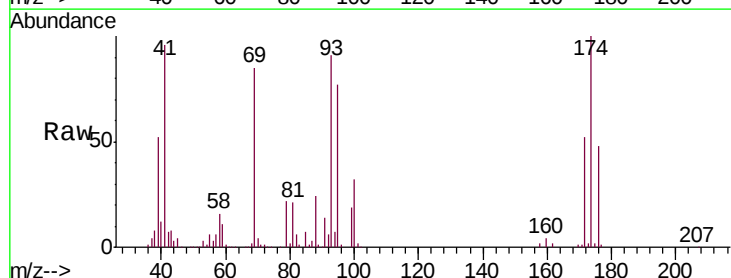
Tgt Ion: 93 Resp: 272599

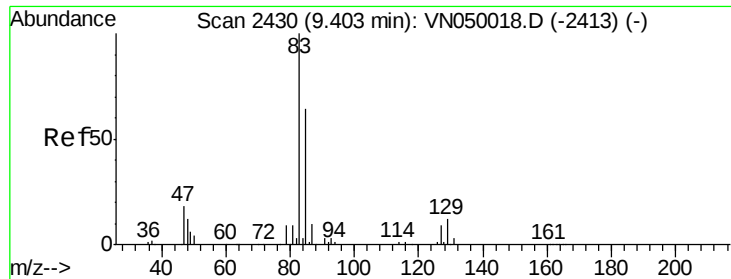
Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 108.3 87.1 130.7

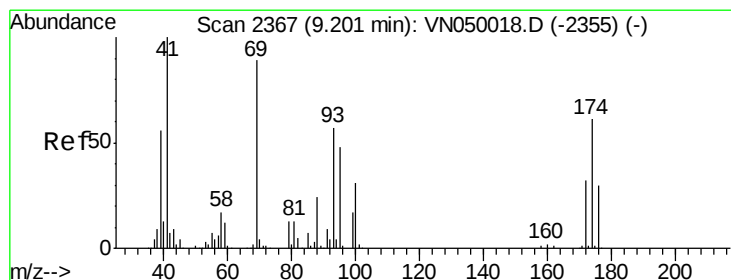
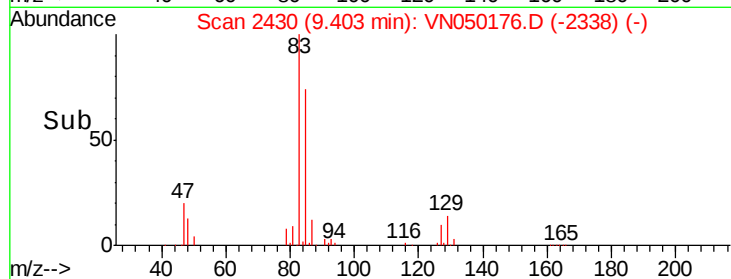
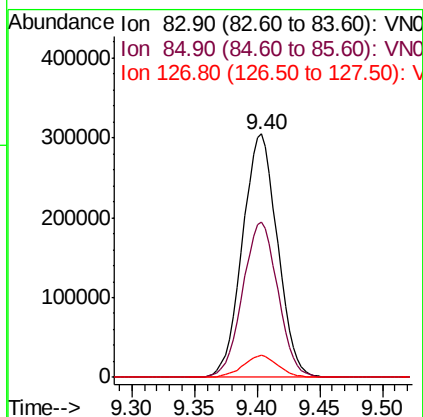
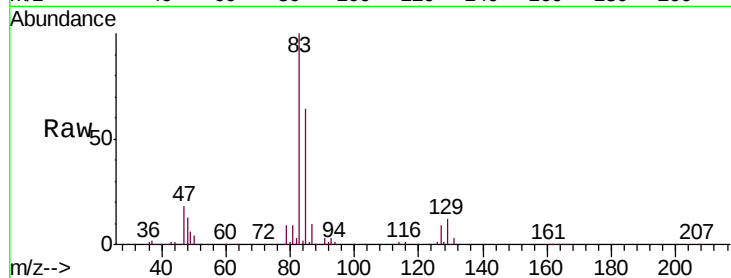




#47
Bromodichloromethane
Concen: 49.68 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

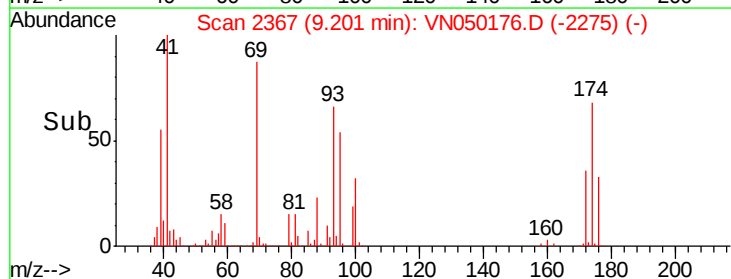
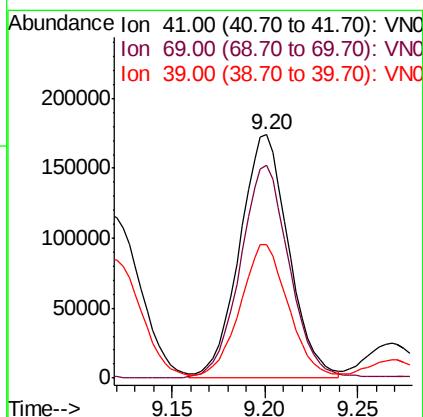
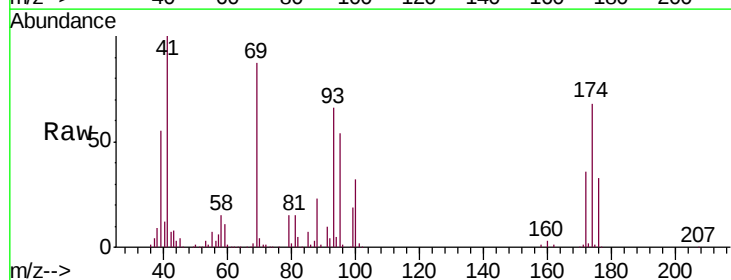
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

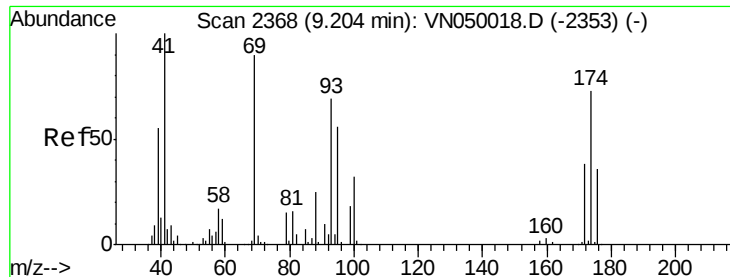
Tot Ion	83	Resp	593557
Ion Ratio	100		
Lower	51.1		
Upper	76.7		
85	63.7		
127	8.9		
	7.0		
	10.4		



#48
Methyl methacrylate
Concen: 46.88 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion	41	Resp	318395
Ion Ratio	100		
Lower	70.6		
Upper	105.8		
69	87.8		
39	54.2		
	43.9		
	65.9		

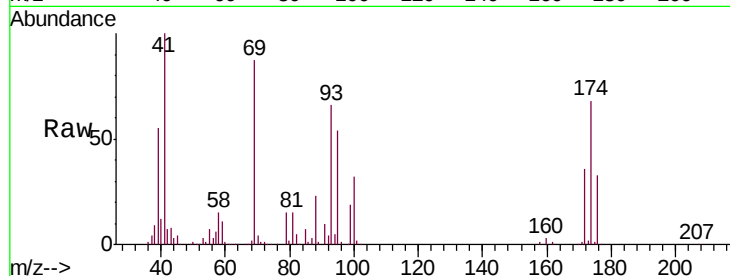




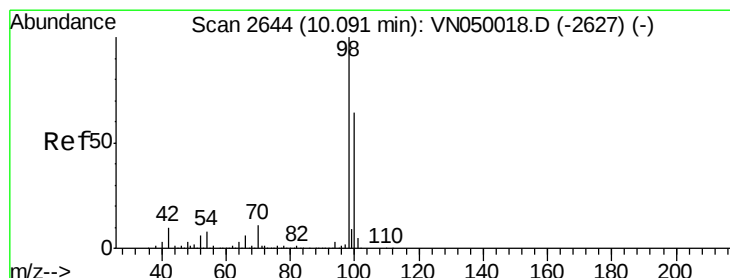
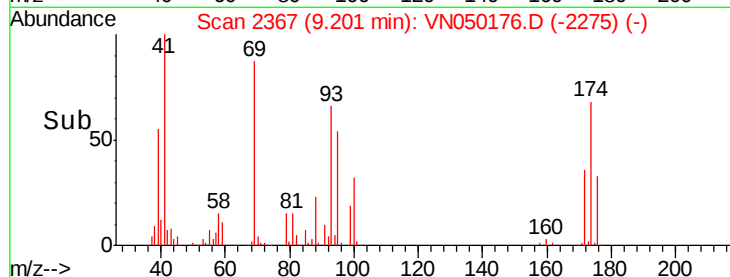
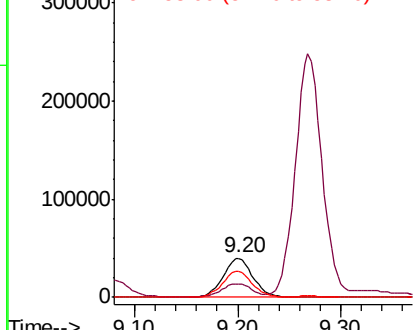
#49
1,4-Dioxane
Concen: 858.53 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 79352
Ion Ratio Lower Upper
88 100
43 35.0 26.9 40.3
58 68.2 57.3 85.9

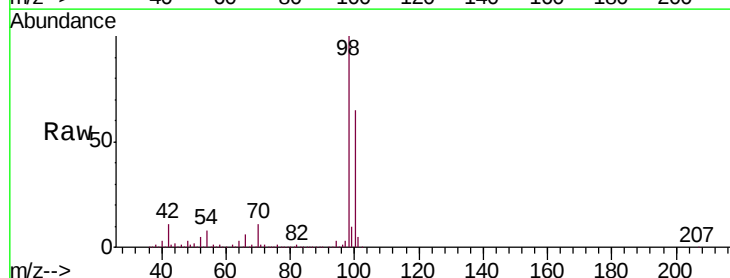


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

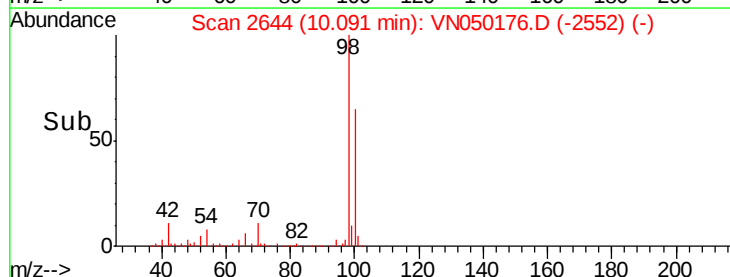
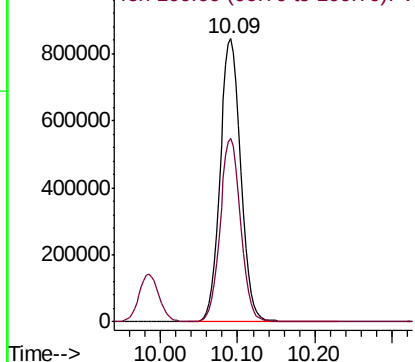


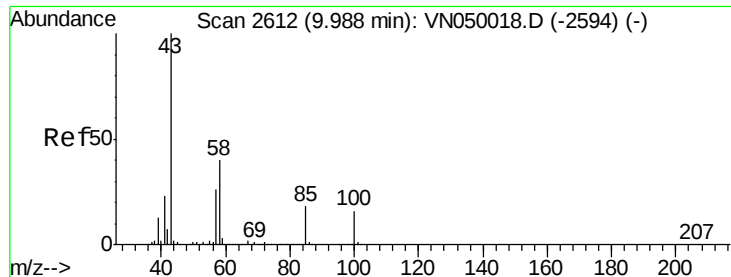
#50
Toluene-d8
Concen: 52.27 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 98 Resp: 1575104
Ion Ratio Lower Upper
98 100
100 64.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

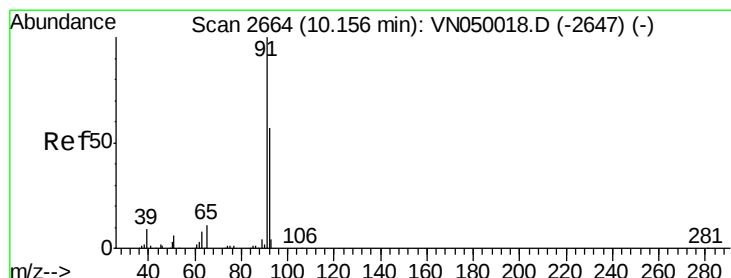
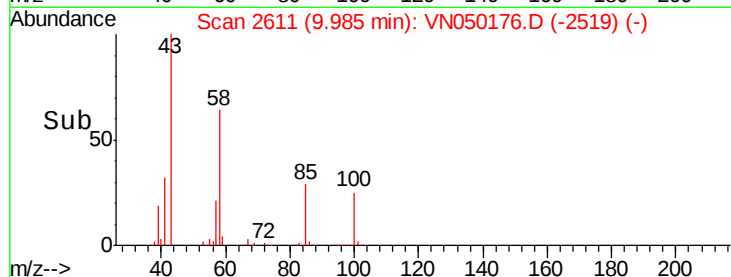
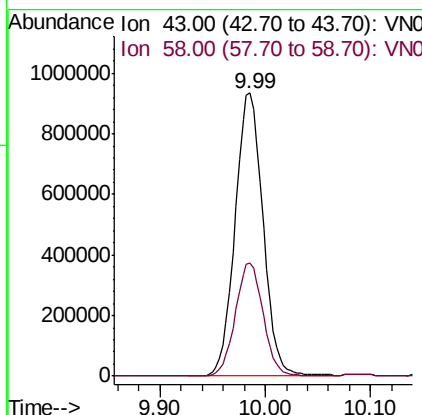
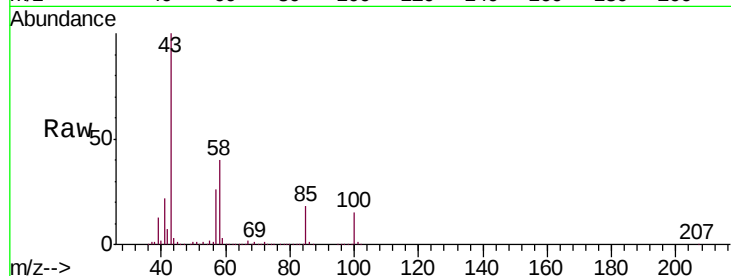




#51
4-Methyl-2-Pentanone
Concen: 220.70 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

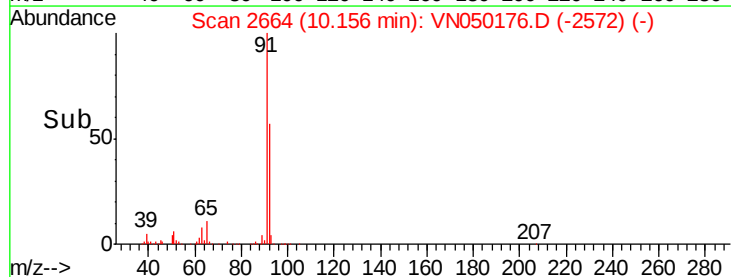
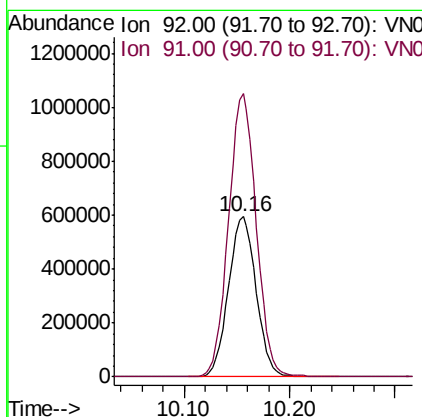
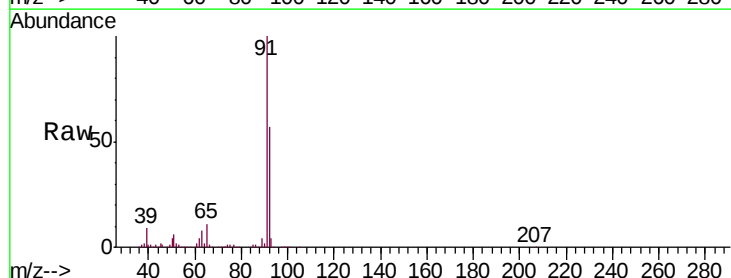
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

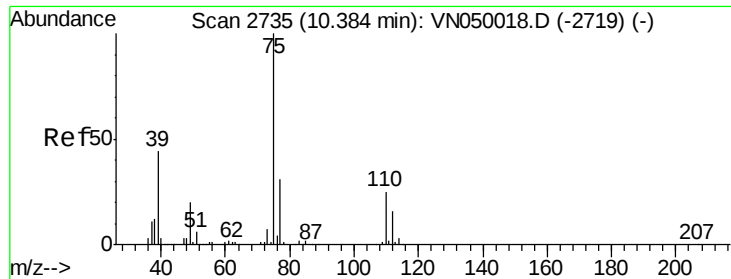
Tot Ion: 43 Resp: 1710927
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9



#52
Toluene
Concen: 53.20 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 92 Resp: 1080779
Ion Ratio Lower Upper
92 100
91 176.6 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 53.50 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

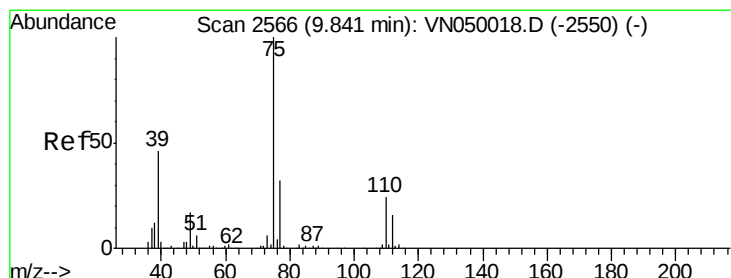
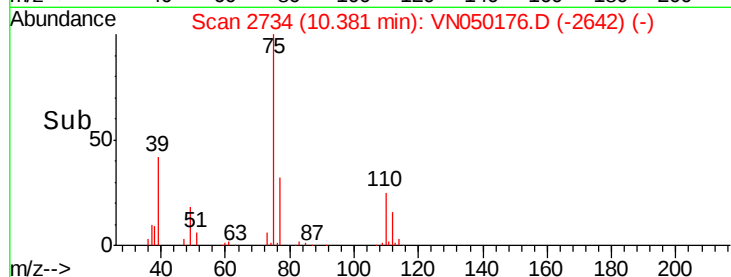
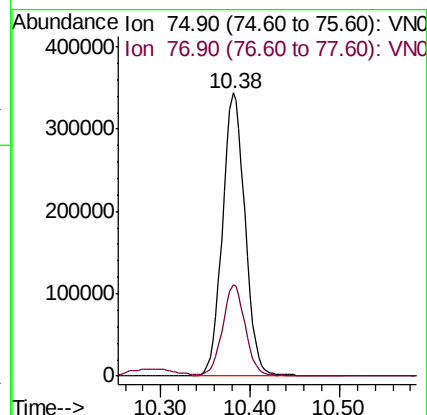
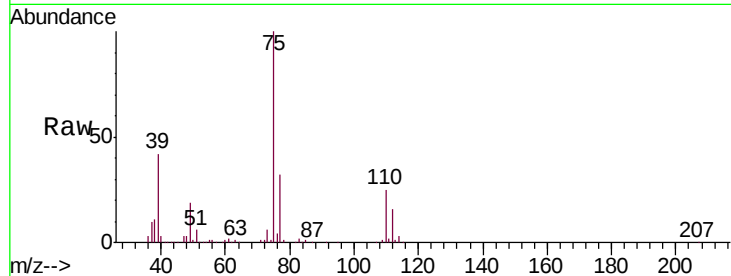
VSTDCCC050

Tot Ion: 75 Resp: 603195

Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 53.06 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.01 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

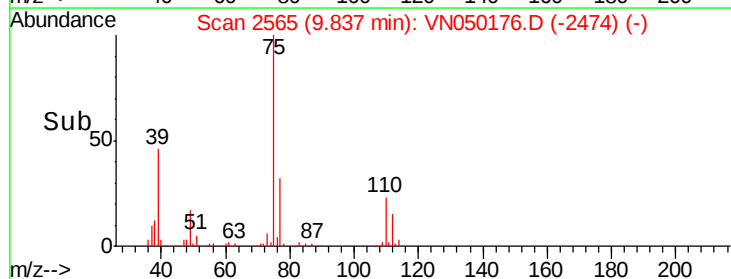
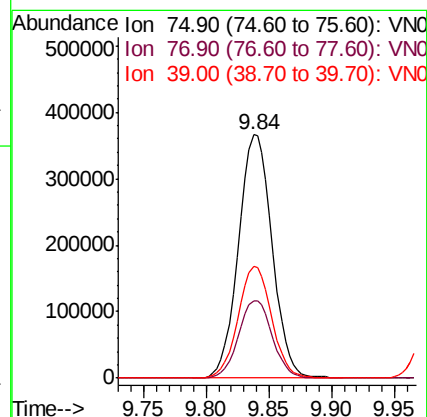
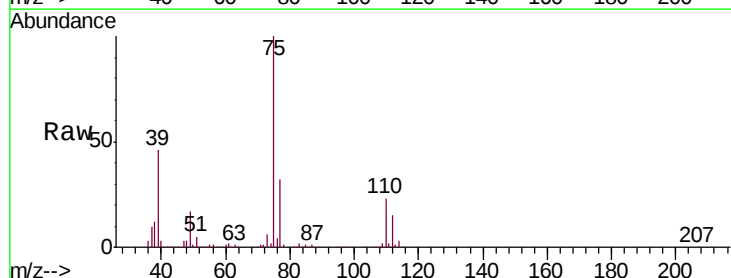
Tgt Ion: 75 Resp: 683614

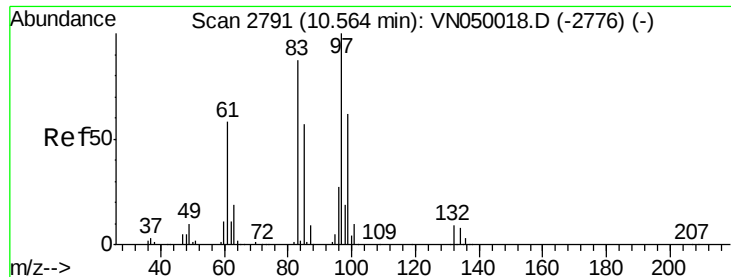
Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

39 45.8 36.6 55.0

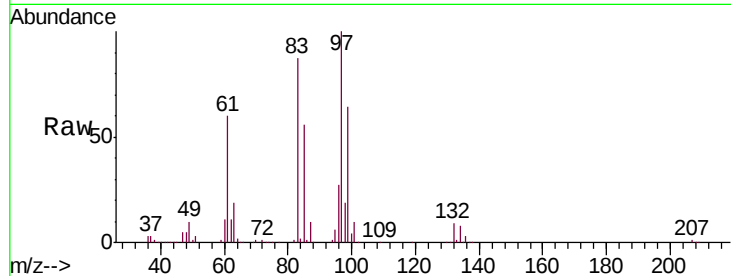




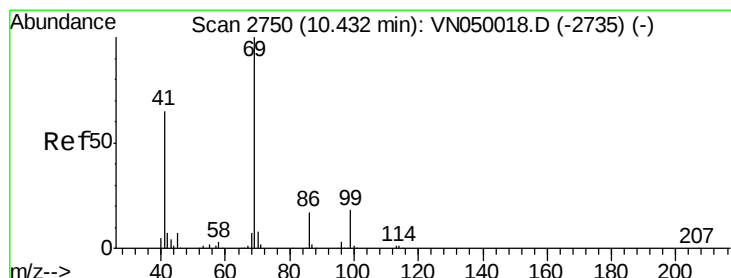
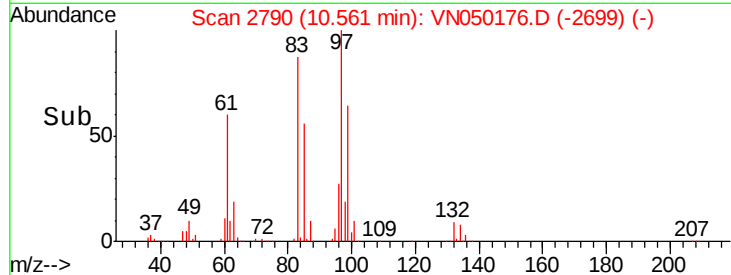
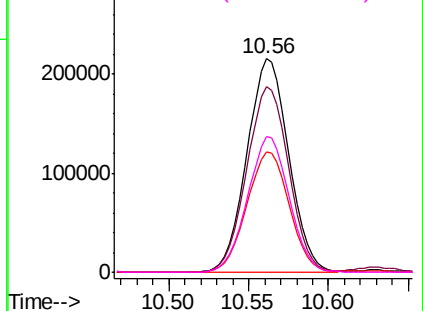
#55
 1,1,2-Trichloroethane
 Concen: 47.84 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.01 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	385550
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.2	103.8
85	56.2	44.0	66.0
99	63.6	49.9	74.9

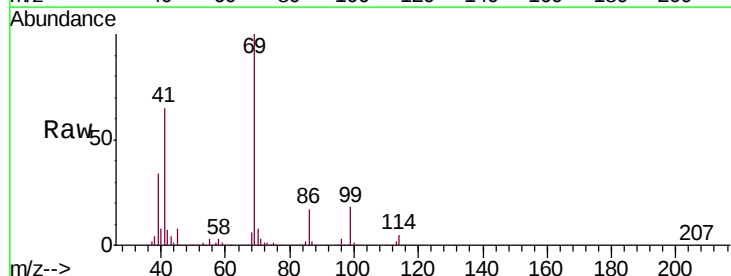


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

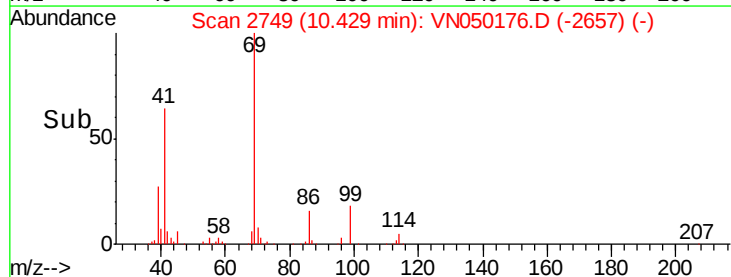
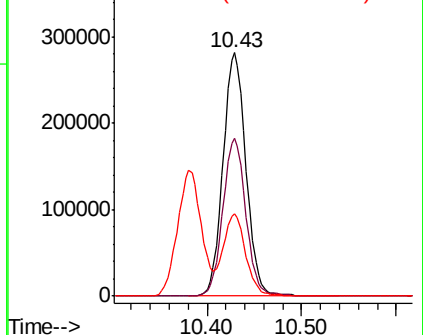


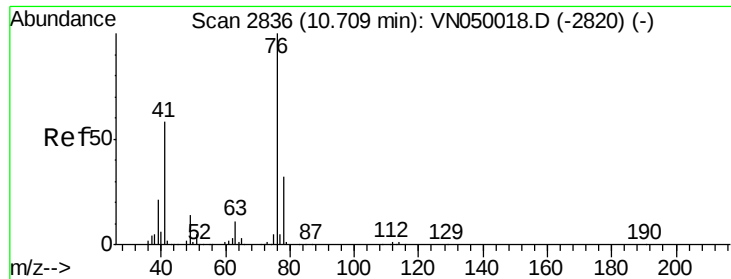
#56
 Ethyl methacrylate
 Concen: 43.74 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion:	69	Resp:	474553
Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.0	76.4
39	33.4	26.6	40.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

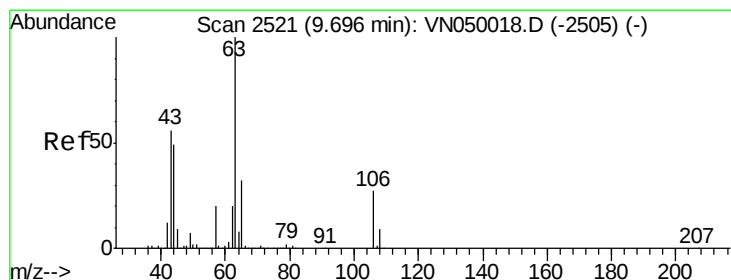
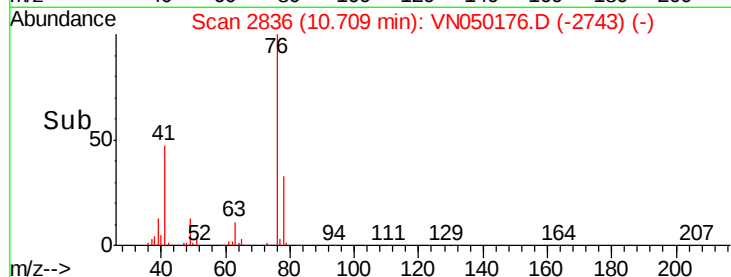
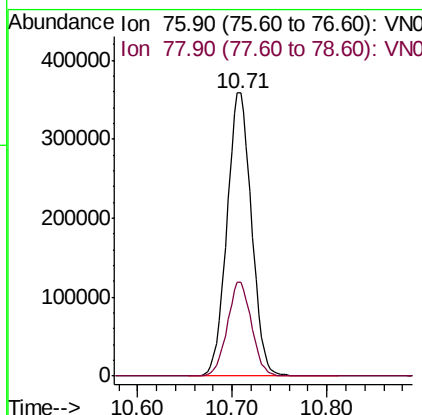
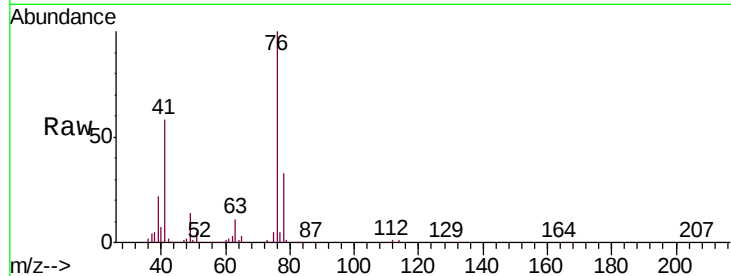




#57
 1,3-Dichloropropane
 Concen: 49.25 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

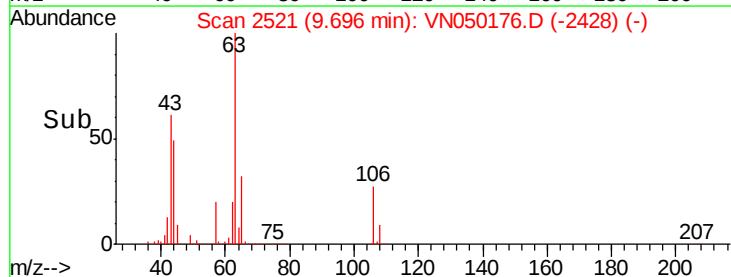
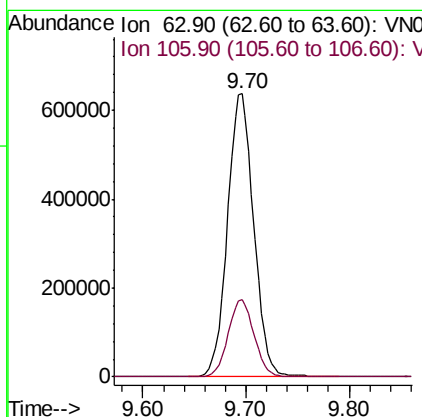
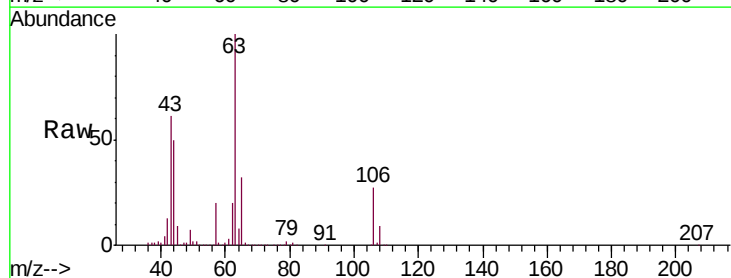
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

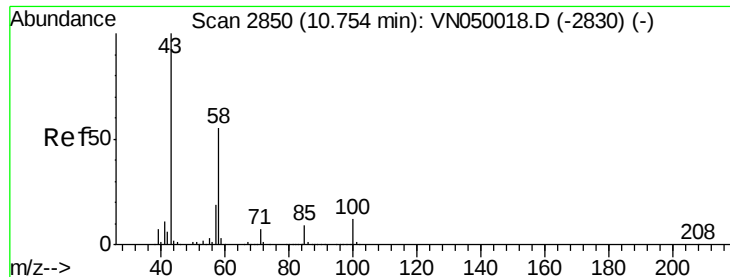
Tot Ion: 76 Resp: 646344
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.67 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion: 63 Resp: 1130738
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5

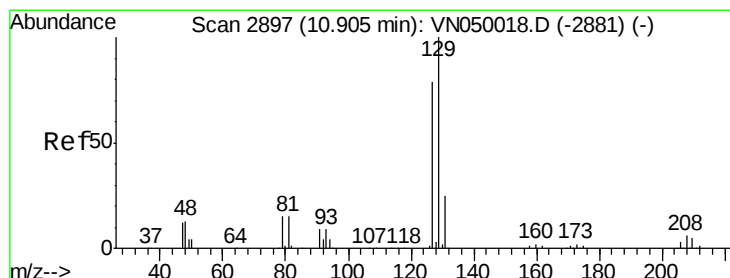
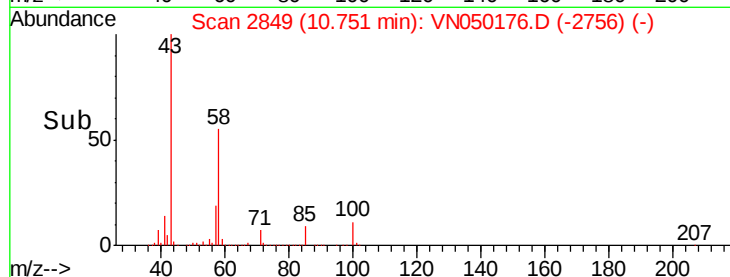
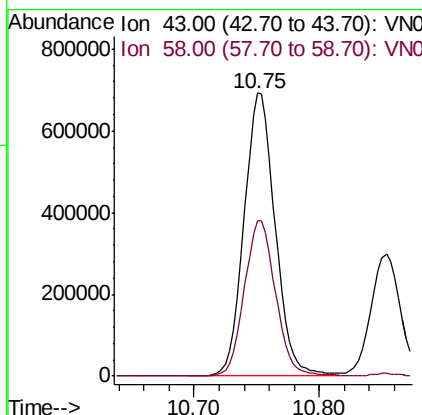
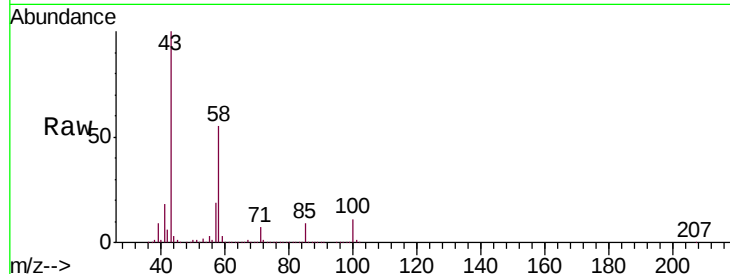




#59
2-Hexanone
Concen: 210.54 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

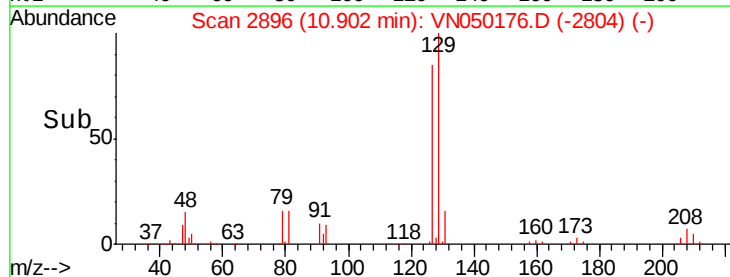
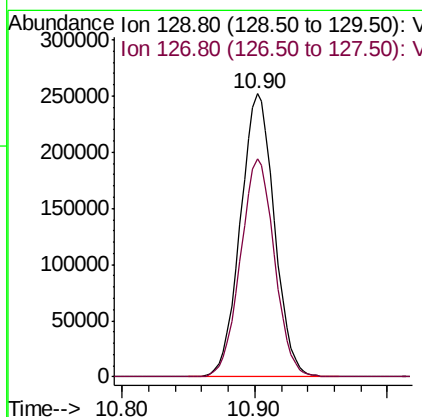
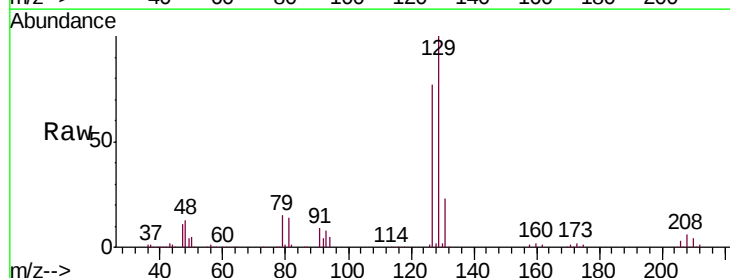
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

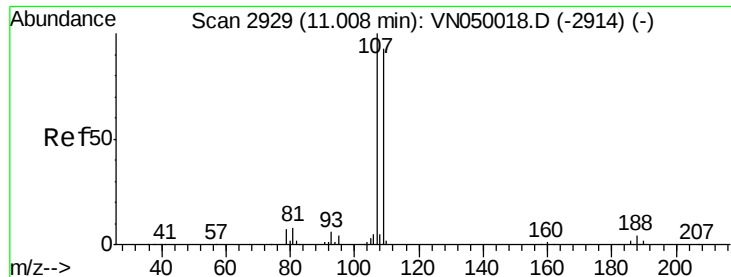
Tot Ion: 43 Resp: 1194620
Ion Ratio Lower Upper
43 100
58 55.3 27.6 82.7



#60
Dibromochloromethane
Concen: 50.08 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 129 Resp: 446831
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9

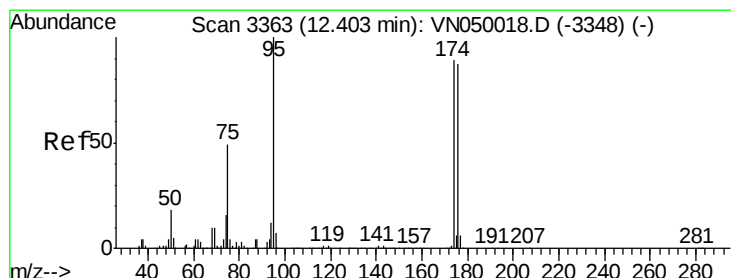
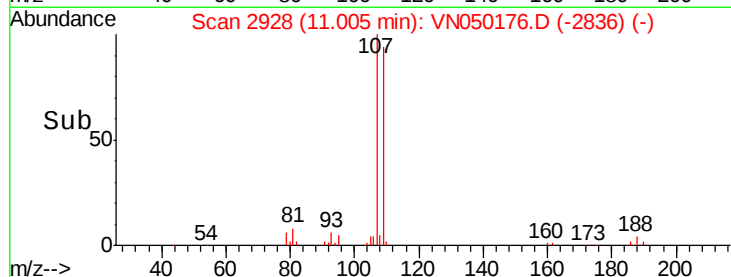
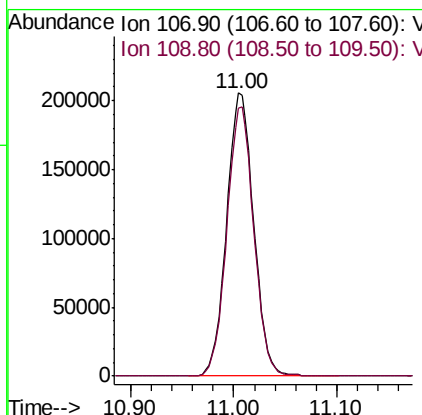
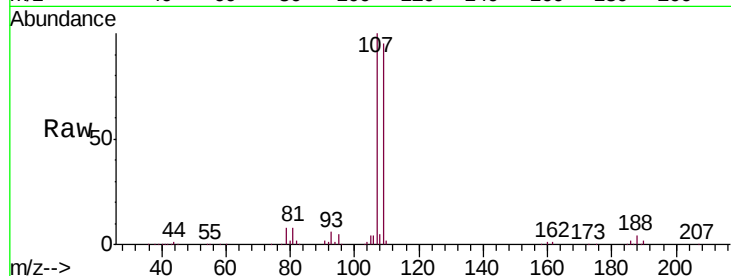




#61
 1,2-Dibromoethane
 Concen: 46.96 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

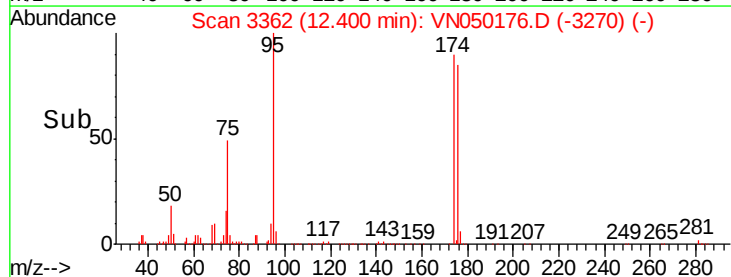
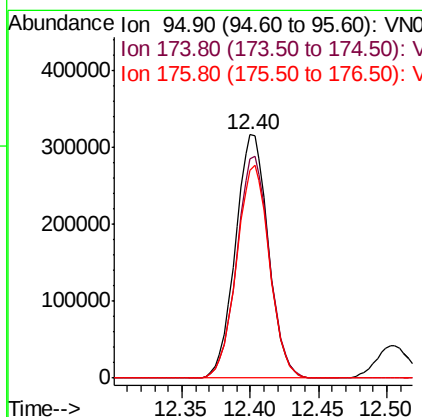
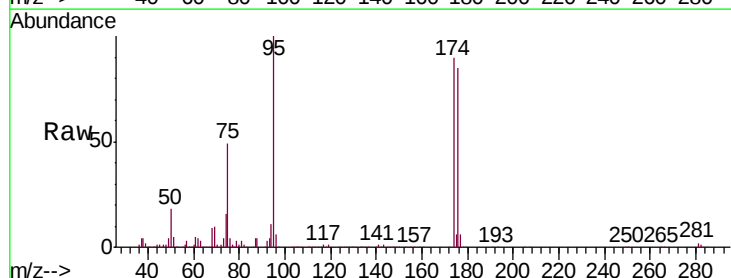
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

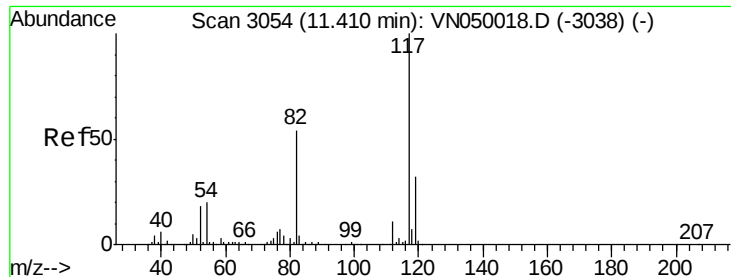
Tot Ion:107 Resp: 375502
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 53.45 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion: 95 Resp: 530388
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 178.2
 176 87.2 0.0 173.4

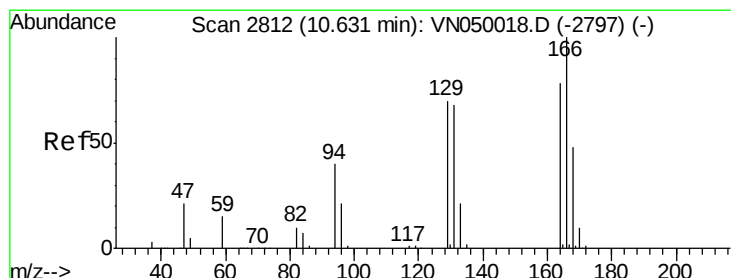
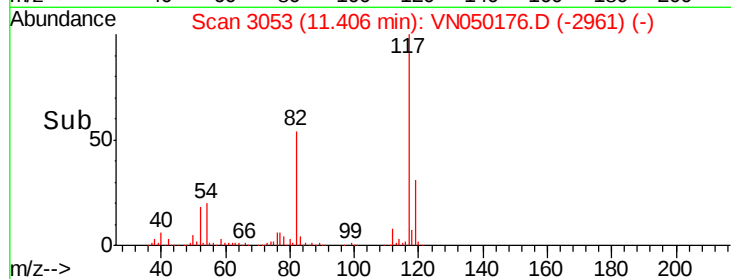
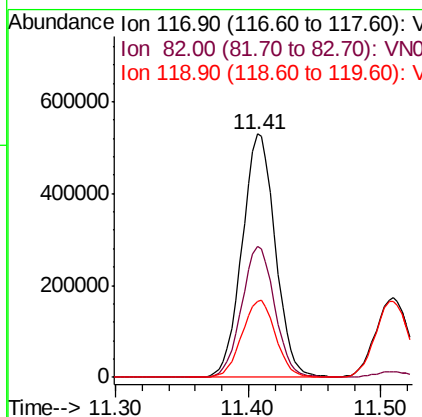
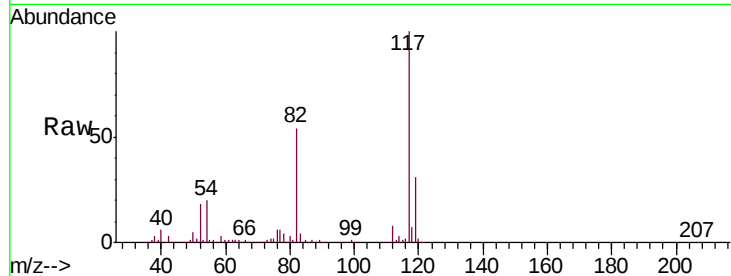




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

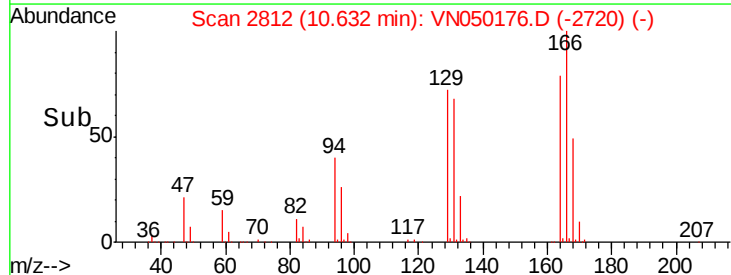
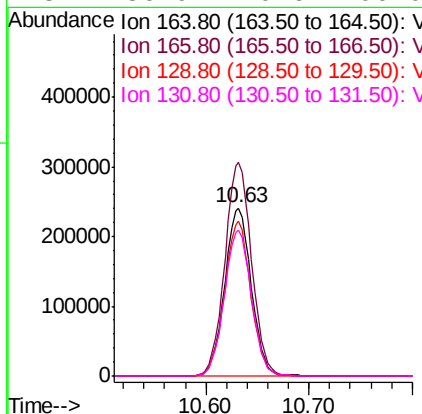
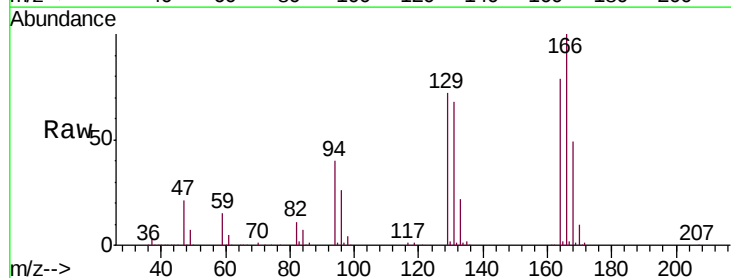
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

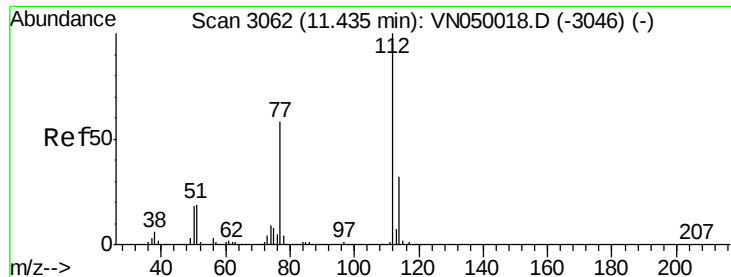
Tot Ion:117 Resp: 920906
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 31.5 26.1 39.1



#64
Tetrachloroethene
Concen: 48.74 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion:164 Resp: 431539
Ion Ratio Lower Upper
164 100
166 127.1 102.1 153.1
129 91.9 73.2 109.8
131 86.9 70.6 106.0

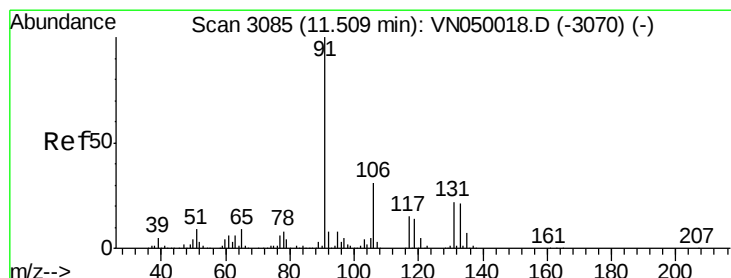
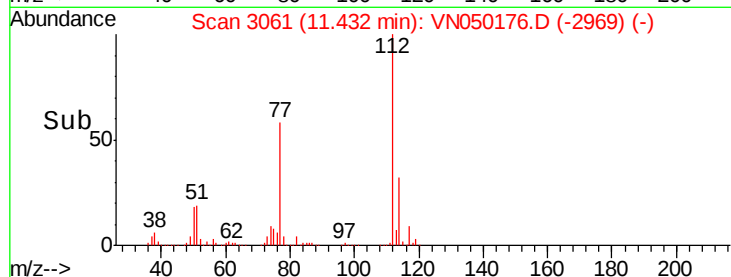
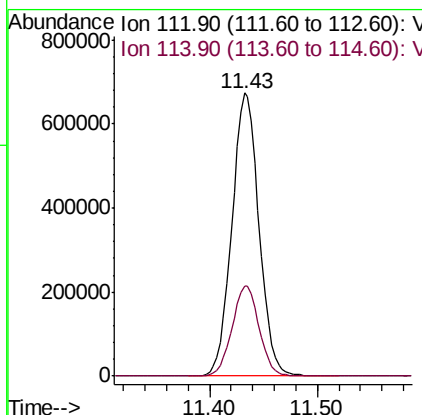
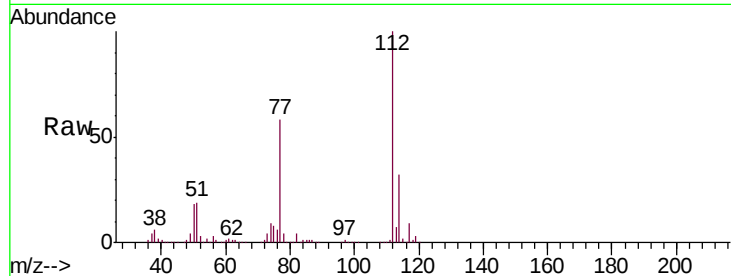




#65
Chlorobenzene
Concen: 50.60 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

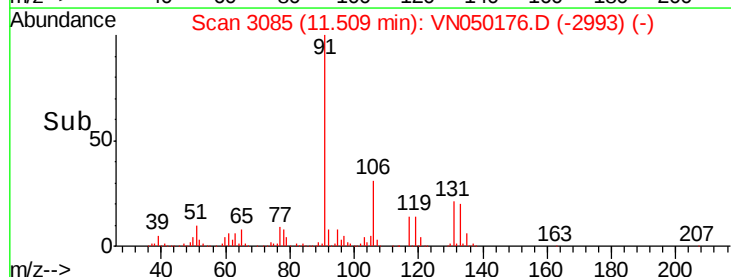
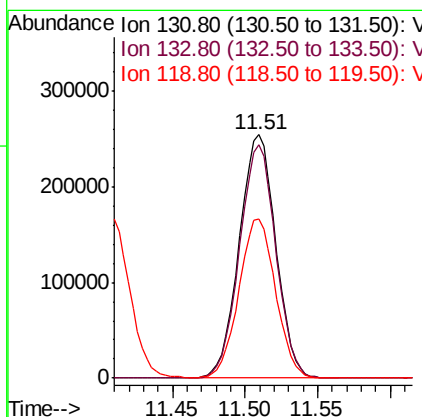
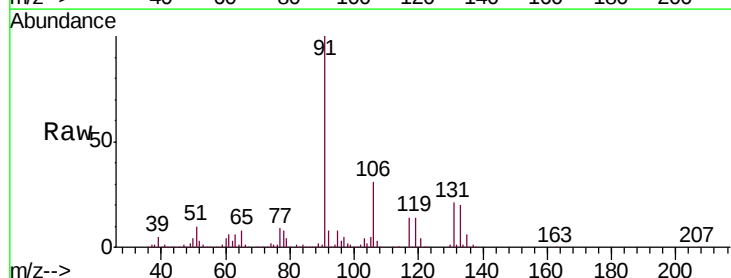
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

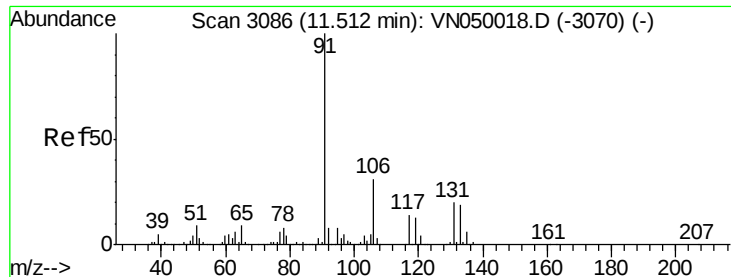
Tot Ion:112 Resp: 1177025
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.84 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion:131 Resp: 445483
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 65.7 32.9 98.7

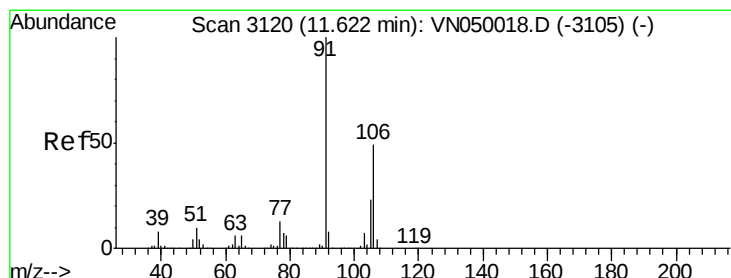
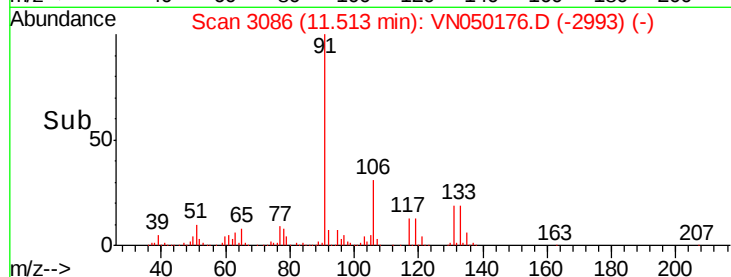
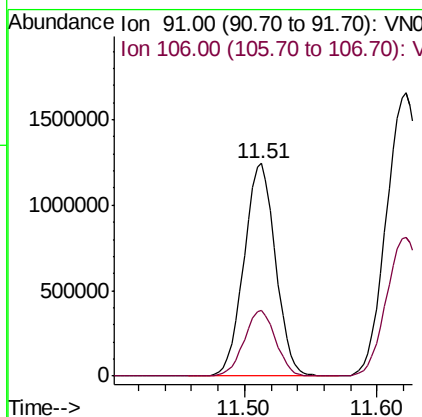
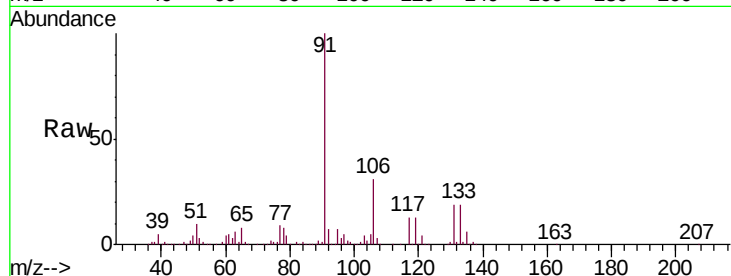




#67
Ethyl Benzene
Concen: 55.03 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

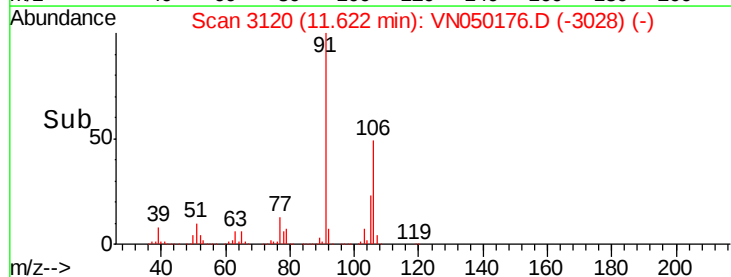
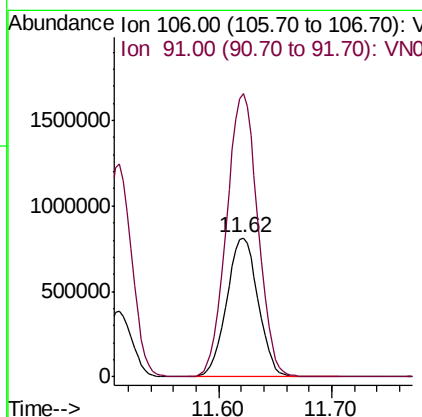
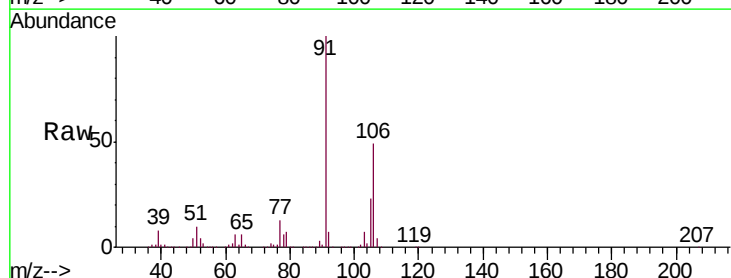
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

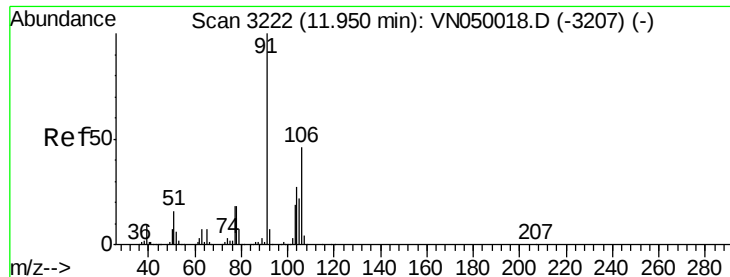
Tot Ion: 91 Resp: 2056132
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4



#68
m/p-Xylenes
Concen: 111.10 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion: 106 Resp: 1570322
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.2

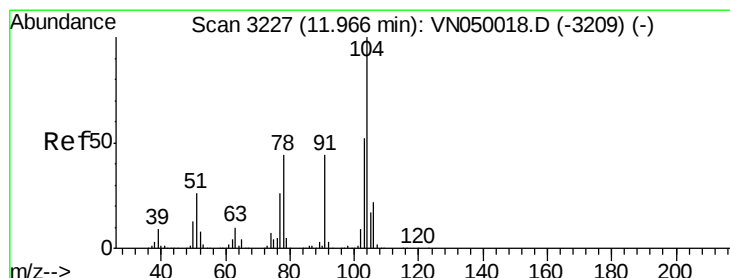
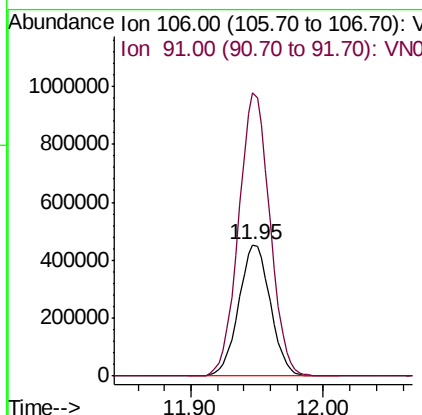
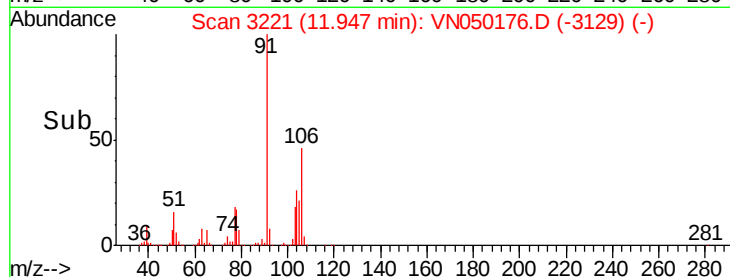
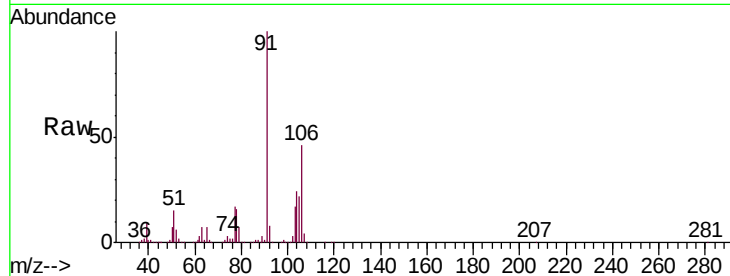




#69
o-Xylene
Concen: 55.62 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

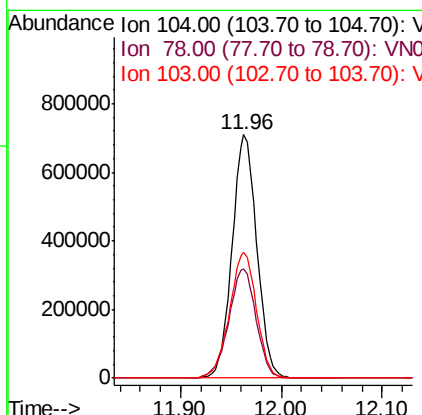
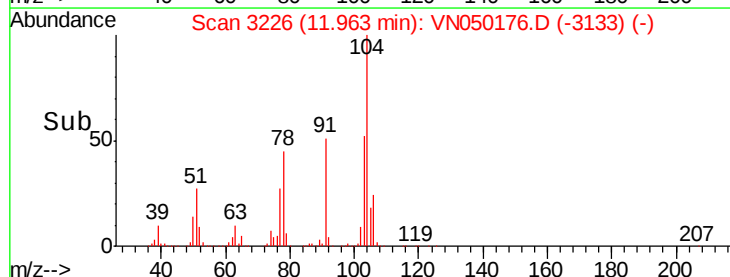
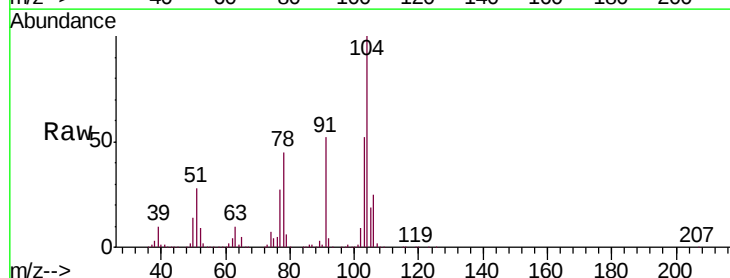
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

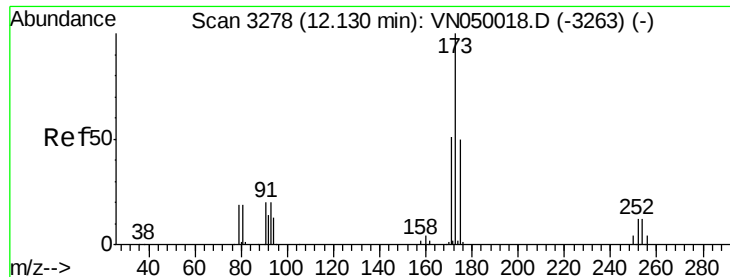
Tot Ion:106 Resp: 749452
Ion Ratio Lower Upper
106 100
91 213.4 107.7 323.1



#70
Styrene
Concen: 50.55 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion:104 Resp: 1211570
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 56.4 45.0 67.6

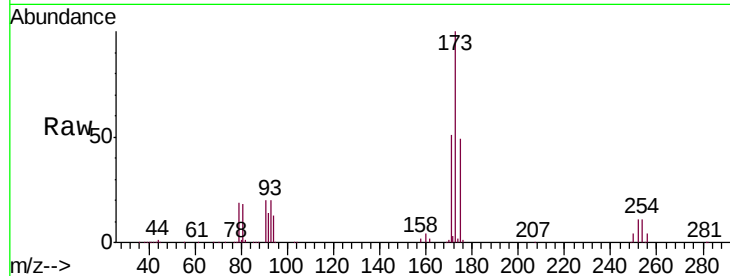




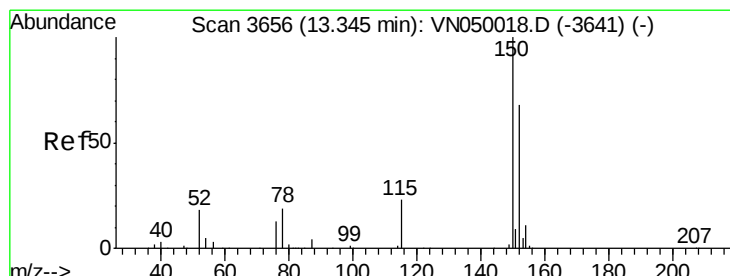
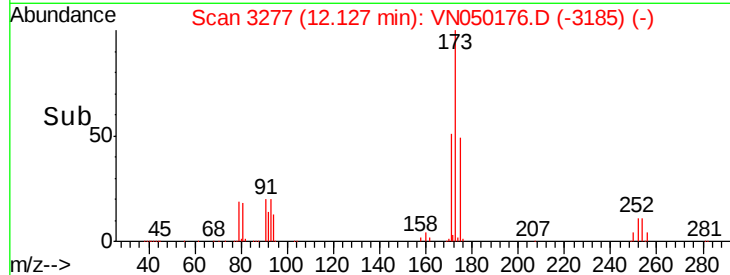
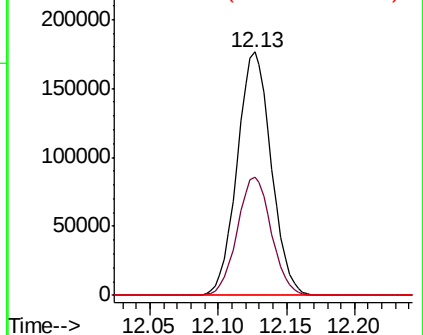
#71
Bromoform
Concen: 46.92 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 305065
Ion Ratio Lower Upper
173 100
175 48.8 24.1 72.2
254 0.1 0.2 0.2#

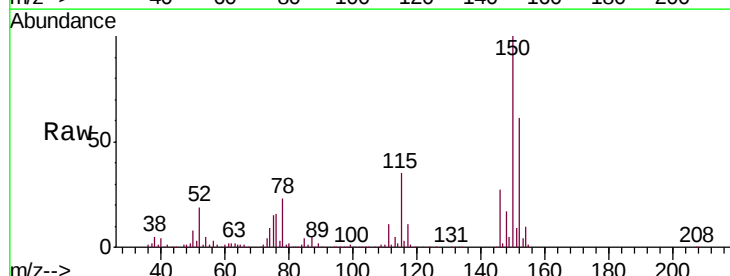


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

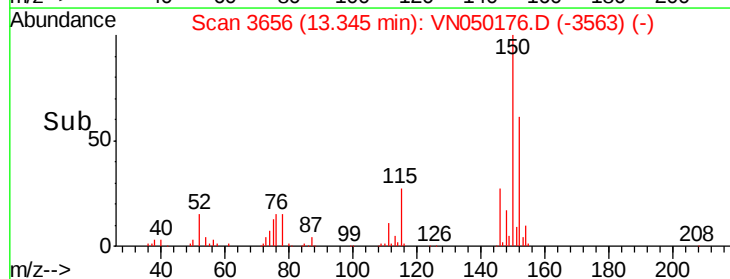
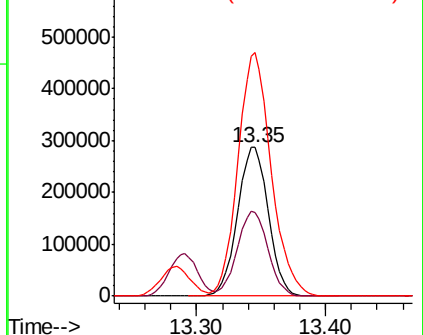


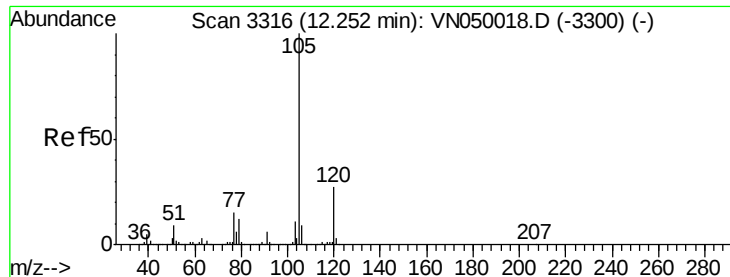
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050176.D
Acq: 30 Jul 2018 10:14

Tgt Ion:152 Resp: 476669
Ion Ratio Lower Upper
152 100
115 56.8 27.8 83.3
150 176.3 0.0 348.6



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: 54.72 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

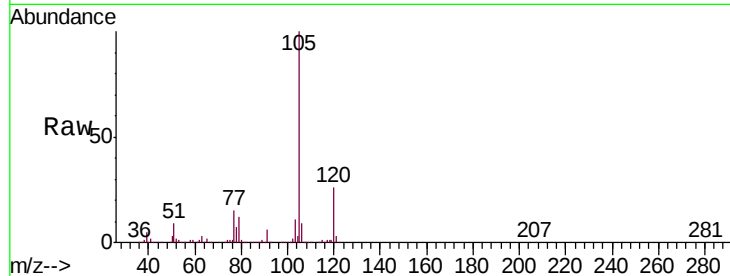
VSTDCCC050

Tot Ion:105 Resp: 2022823

Ion Ratio Lower Upper

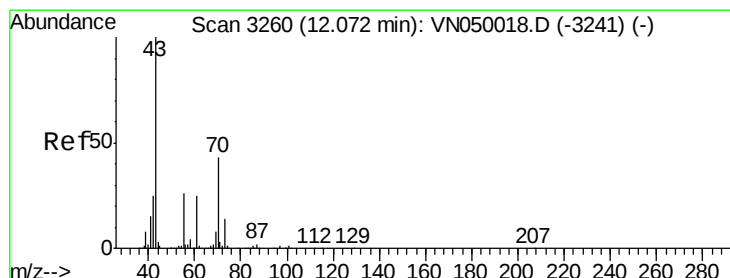
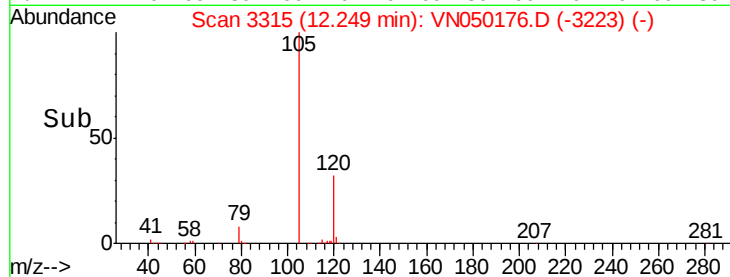
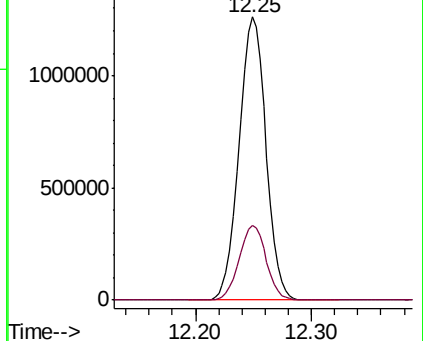
105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.21 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Tgt Ion: 43 Resp: 510799

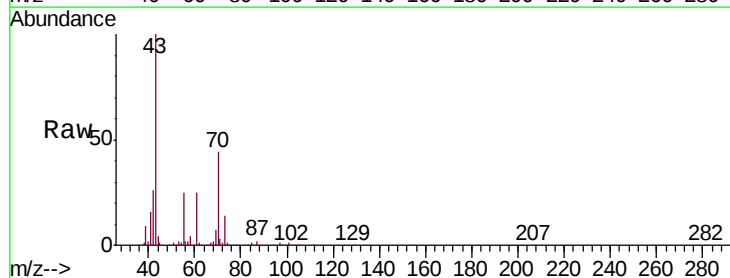
Ion Ratio Lower Upper

43 100

70 43.8 34.4 51.6

55 26.0 20.8 31.2

61 25.1 19.7 29.5

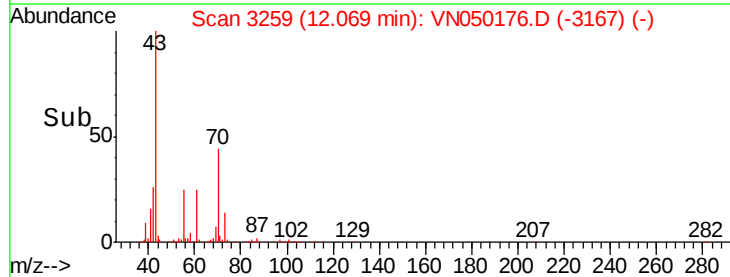
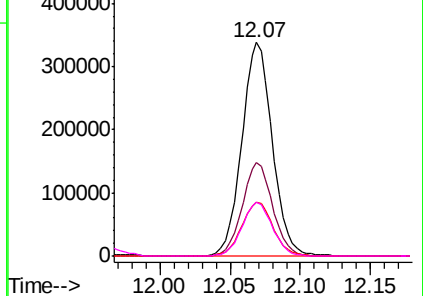


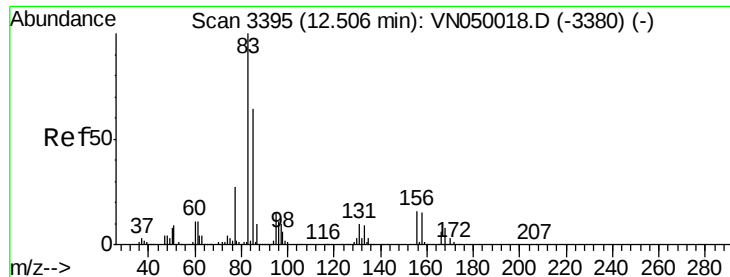
Abundance Ion 43.00 (42.70 to 43.70): V

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: 47.80 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

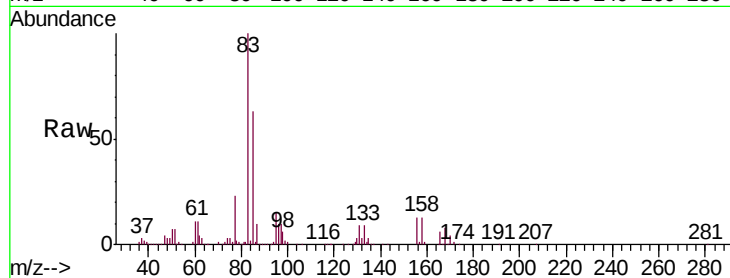
Tot Ion: 83 Resp: 472730

Ion Ratio Lower Upper

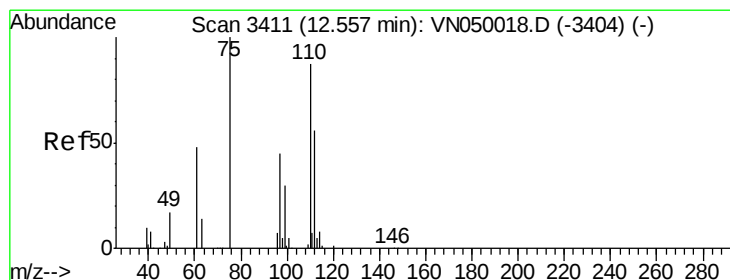
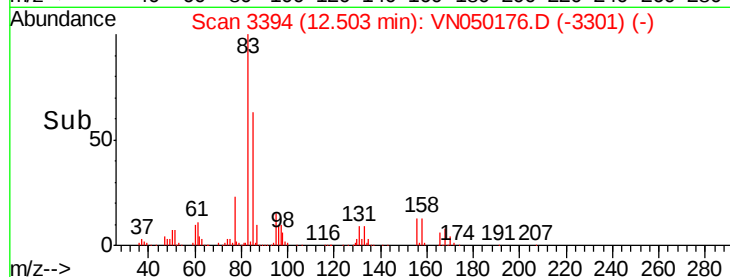
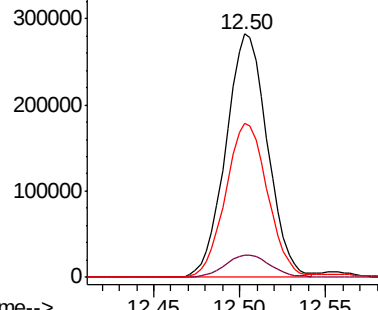
83 100

131 10.0 5.1 15.3

85 64.1 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 65.58 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050176.D

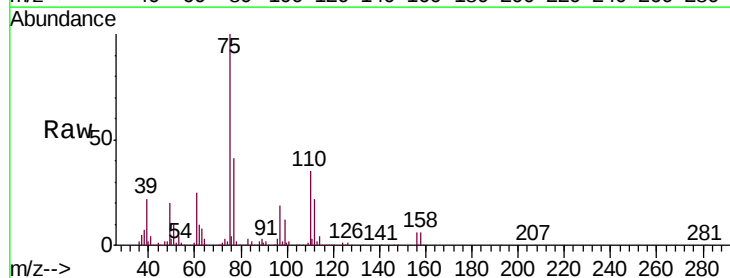
Acq: 30 Jul 2018 10:14

Tgt Ion: 75 Resp: 580960

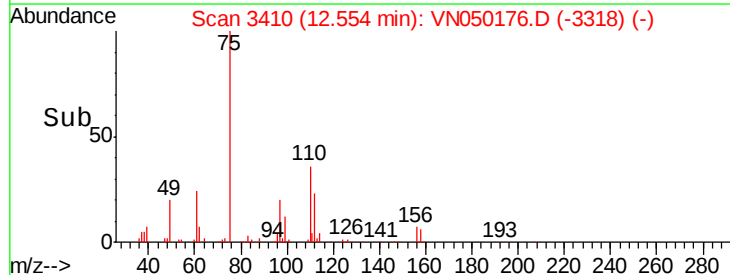
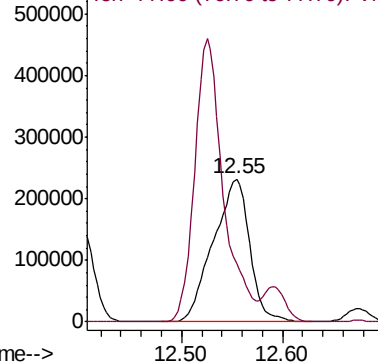
Ion Ratio Lower Upper

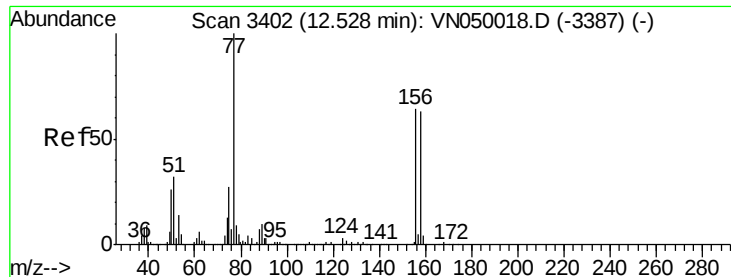
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 49.55 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

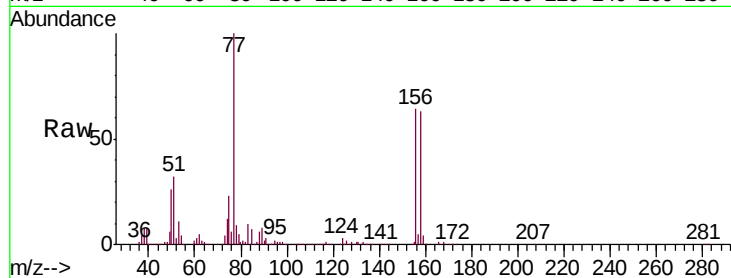
Tot Ion:156 Resp: 507723

Ion Ratio Lower Upper

156 100

77 179.5 91.7 275.1

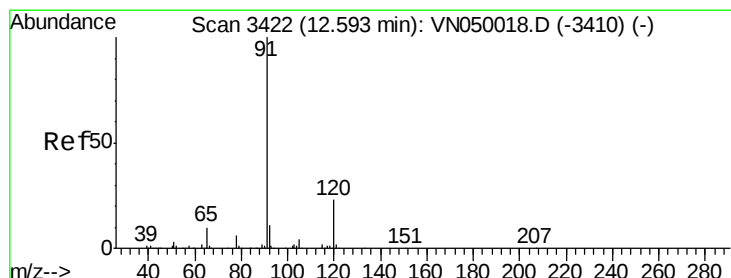
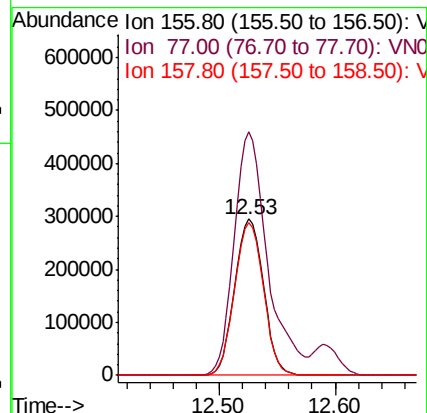
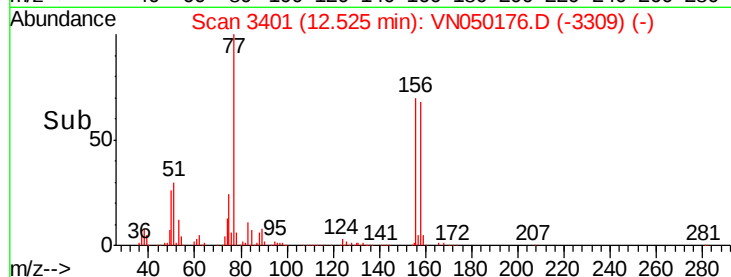
158 97.5 48.9 146.6



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: 56.69 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050176.D

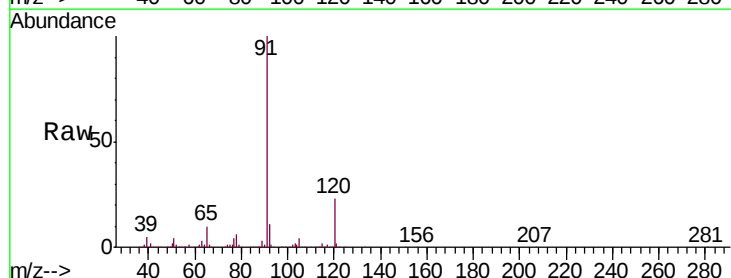
Acq: 30 Jul 2018 10:14

Tgt Ion: 91 Resp: 2342467

Ion Ratio Lower Upper

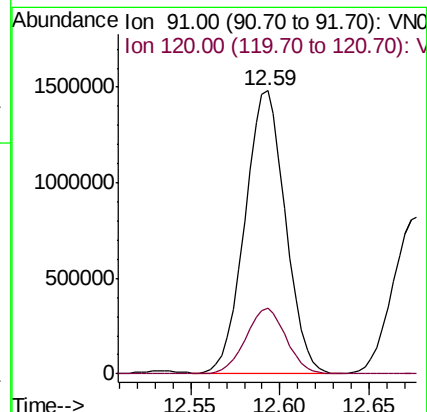
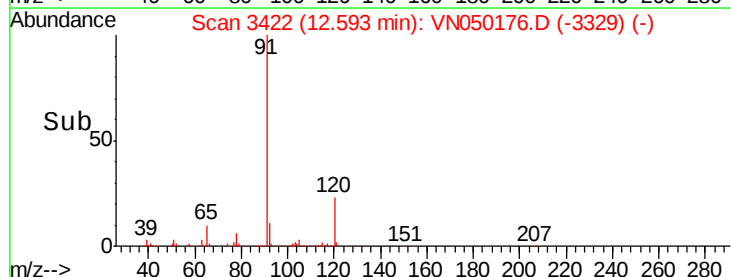
91 100

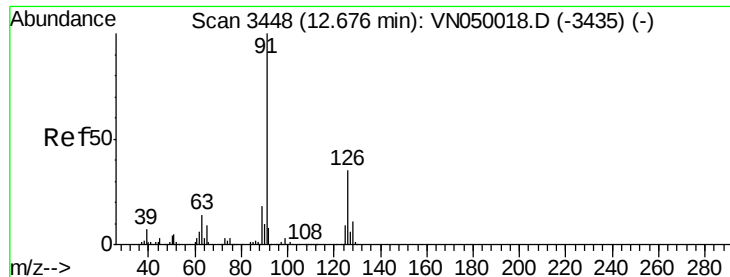
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.33 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

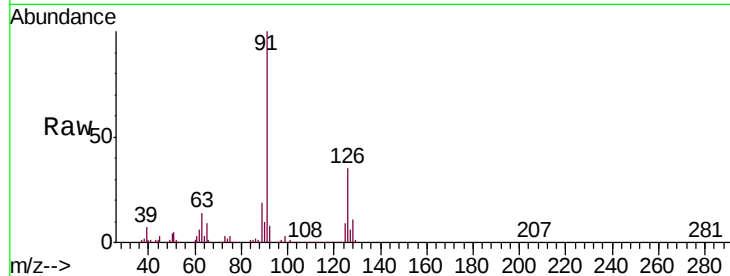
VSTDCCC050

Tot Ion: 91 Resp: 1365963

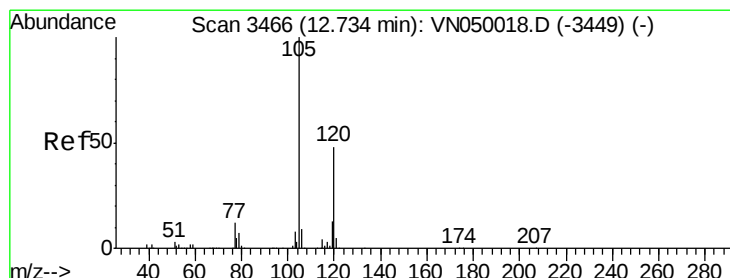
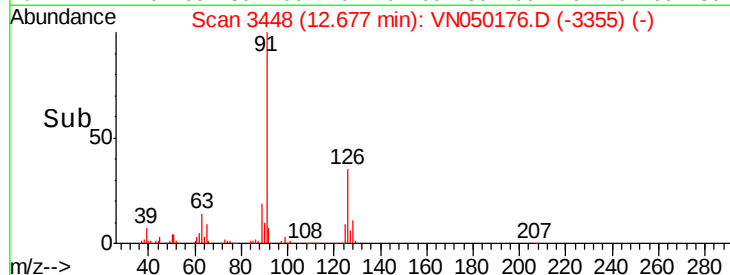
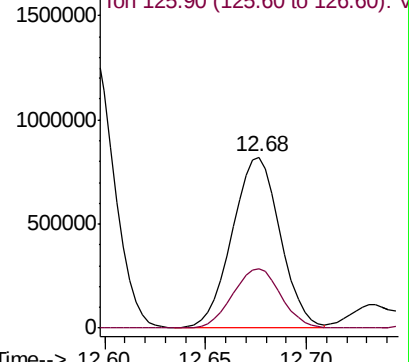
Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 57.33 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050176.D

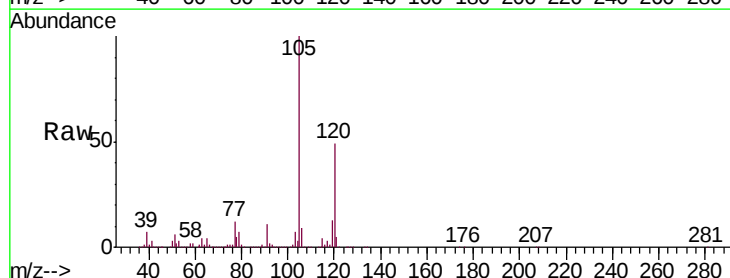
Acq: 30 Jul 2018 10:14

Tgt Ion:105 Resp: 1666953

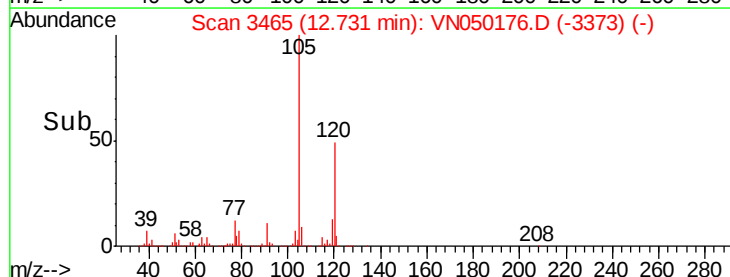
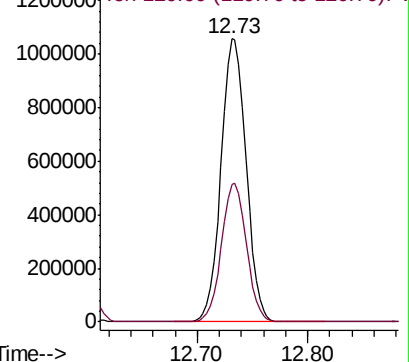
Ion Ratio Lower Upper

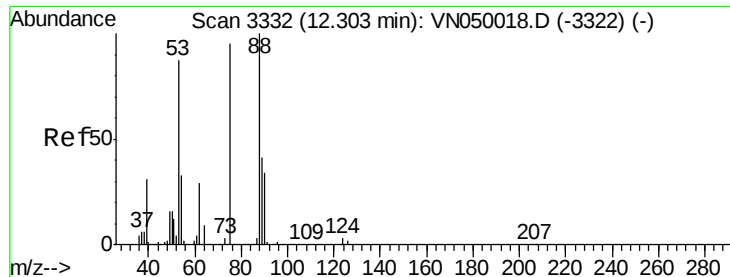
105 100

120 48.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.15 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

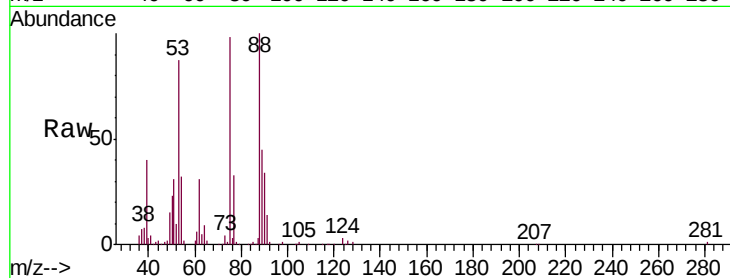
Tot Ion: 75 Resp: 131681

Ion Ratio Lower Upper

75 100

53 90.0 73.5 110.3

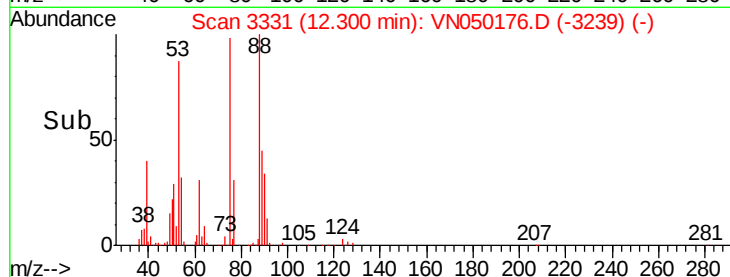
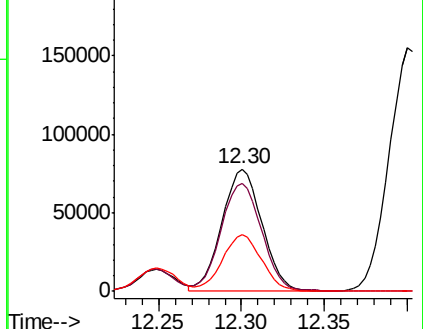
89 45.1 36.0 54.0



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: 55.11 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050176.D

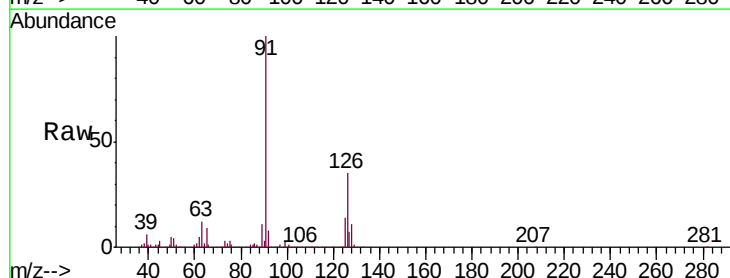
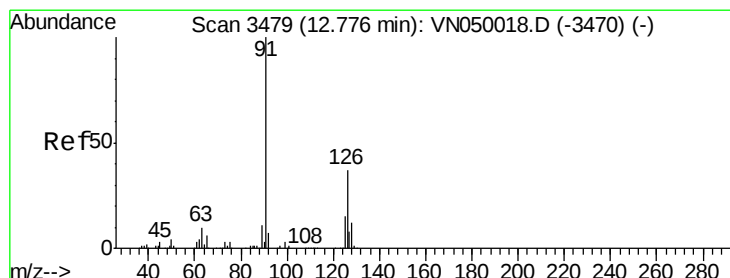
Acq: 30 Jul 2018 10:14

Tgt Ion: 91 Resp: 1397808

Ion Ratio Lower Upper

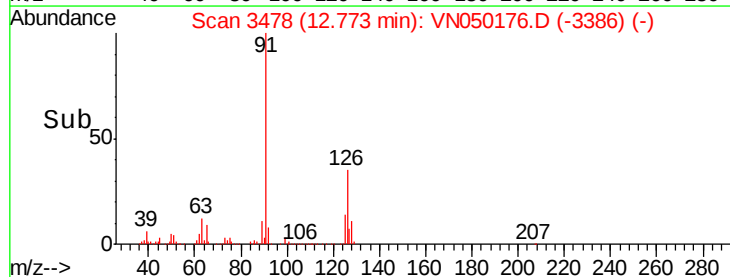
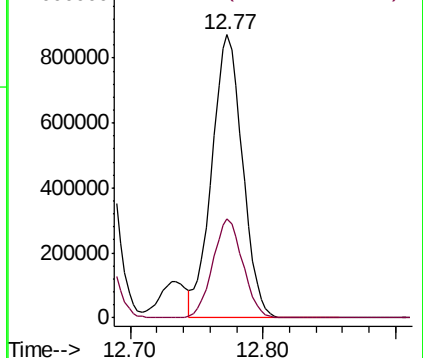
91 100

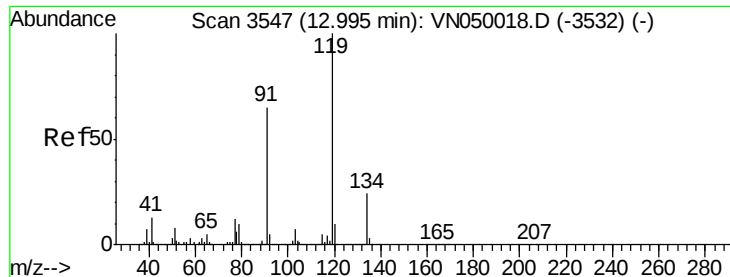
126 34.4 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 55.48 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

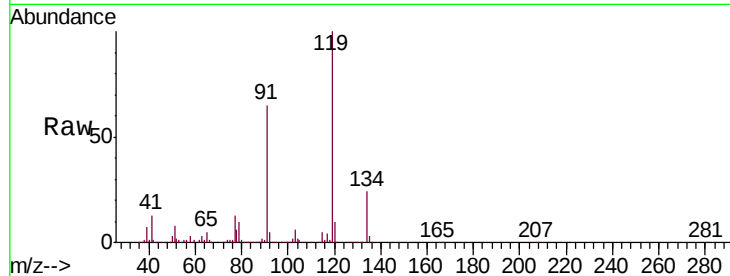
Tot Ion:119 Resp: 1407784

Ion Ratio Lower Upper

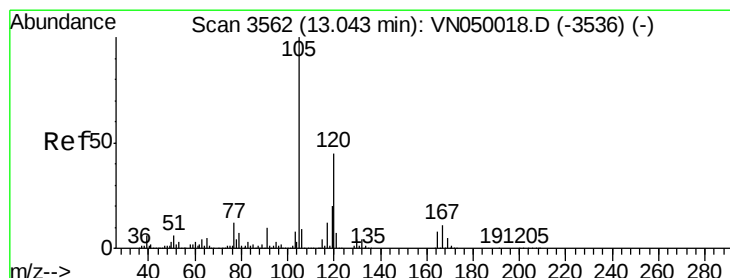
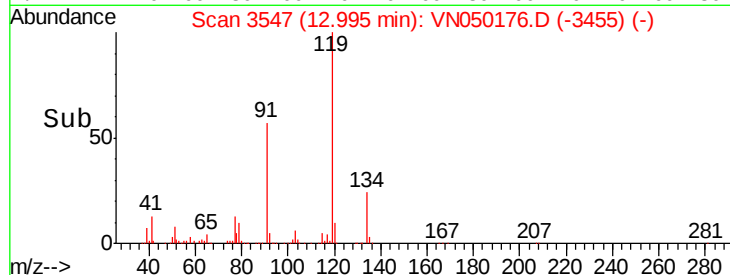
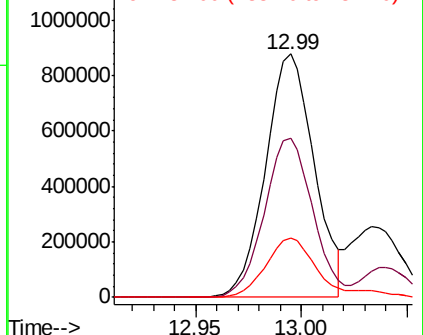
119 100

91 65.4 32.1 96.3

134 26.7 13.2 39.5



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



#84

1,2,4-Trimethylbenzene

Concen: 57.70 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050176.D

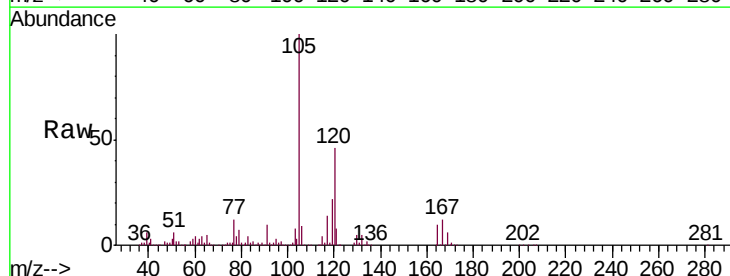
Acq: 30 Jul 2018 10:14

Tgt Ion:105 Resp: 1691233

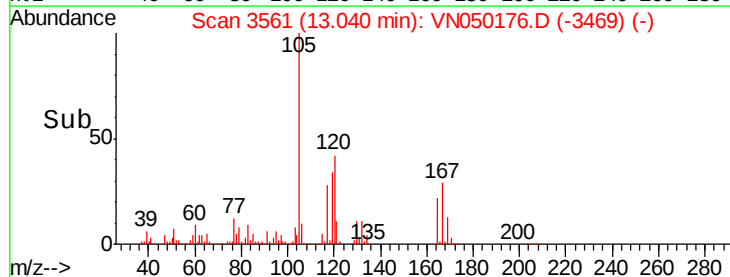
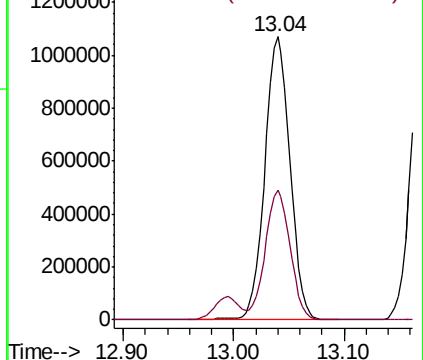
Ion Ratio Lower Upper

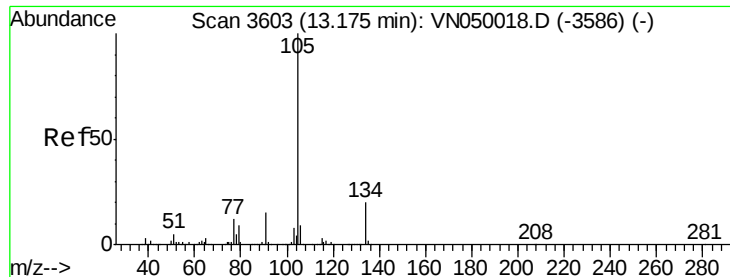
105 100

120 45.6 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 57.05 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

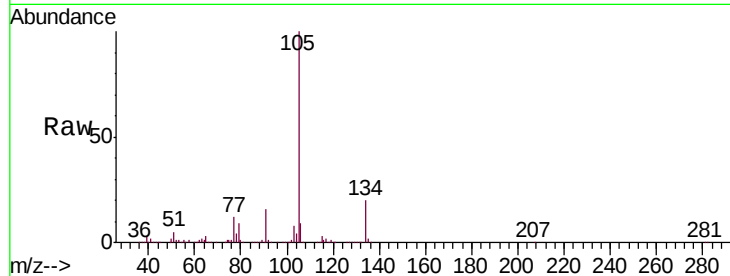
VSTDCCC050

Tot Ion:105 Resp: 1934525

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

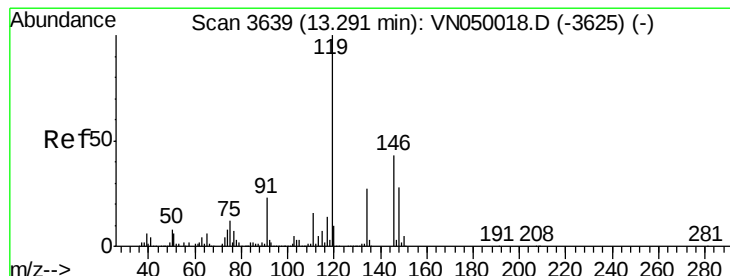
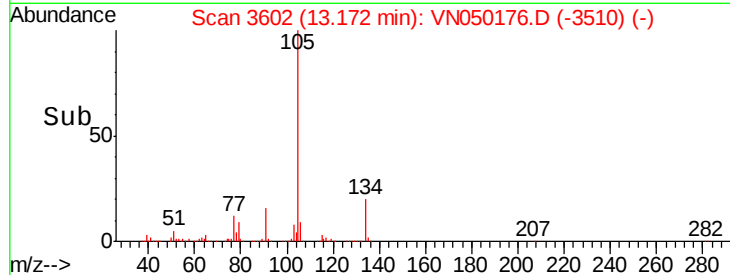
1000000

500000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 59.14 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

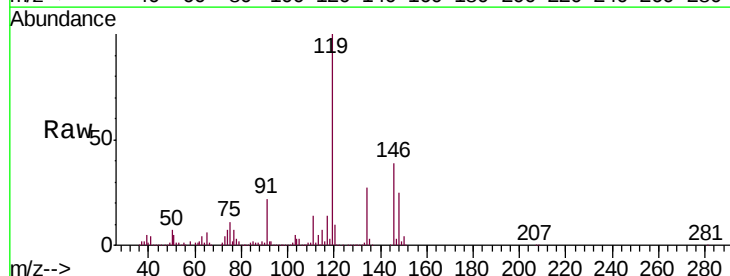
Tgt Ion:119 Resp: 1689571

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 22.6 11.4 34.2



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

13.29

1500000

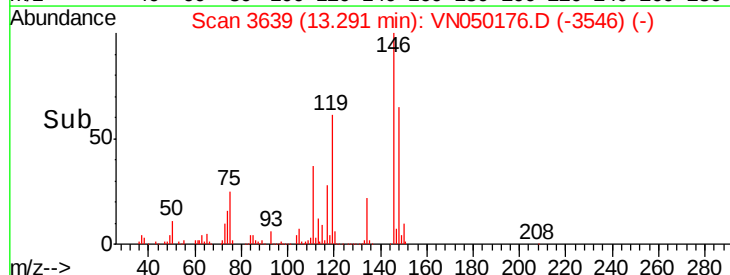
1000000

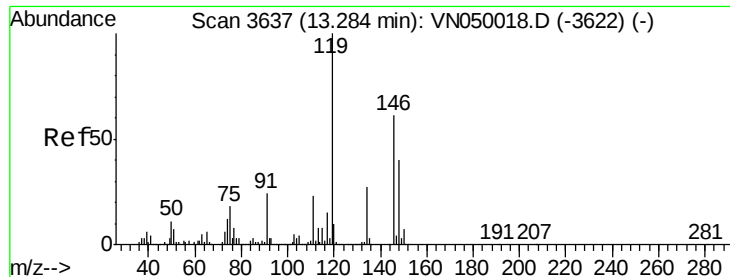
500000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.01 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

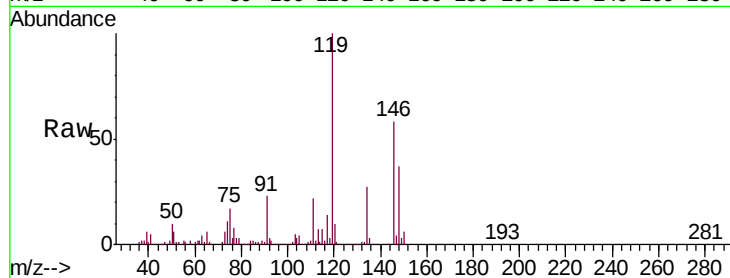
Tot Ion:146 Resp: 903416

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

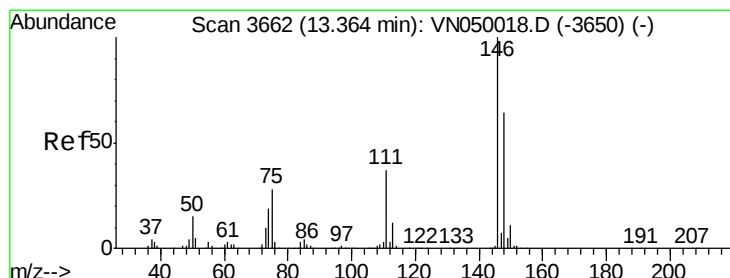
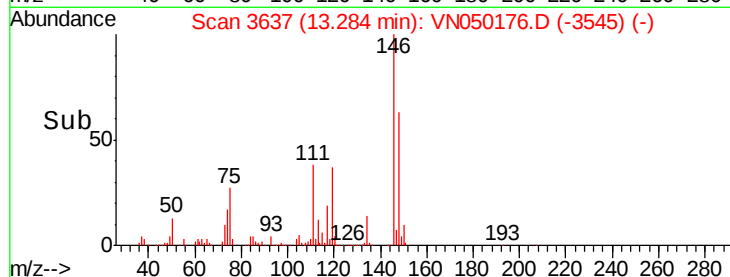
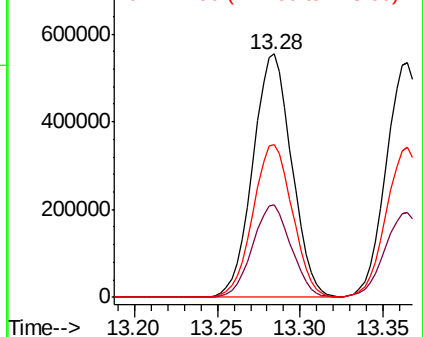
148 63.7 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 51.63 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

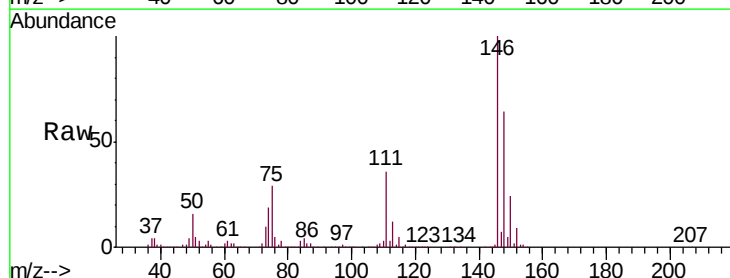
Tgt Ion:146 Resp: 874077

Ion Ratio Lower Upper

146 100

111 37.1 18.3 54.9

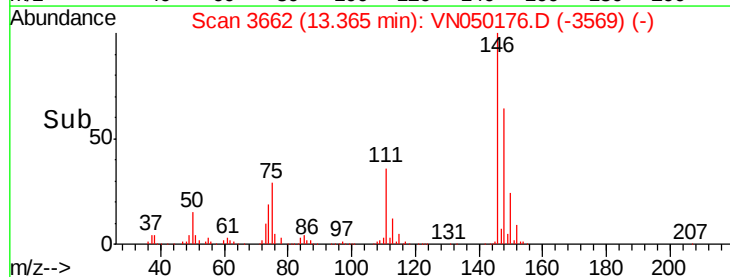
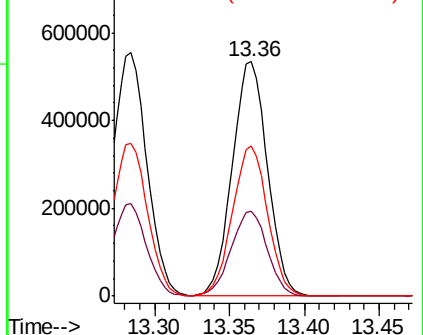
148 63.9 31.9 95.9

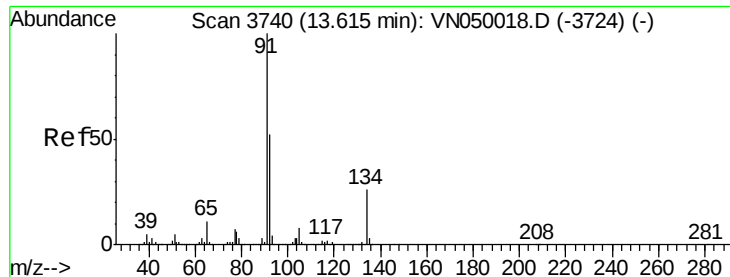


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 60.30 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

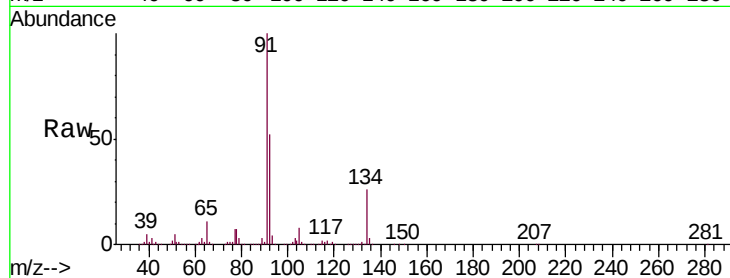
Tot Ion: 91 Resp: 1416776

Ion Ratio Lower Upper

91 100

92 51.8 25.8 77.4

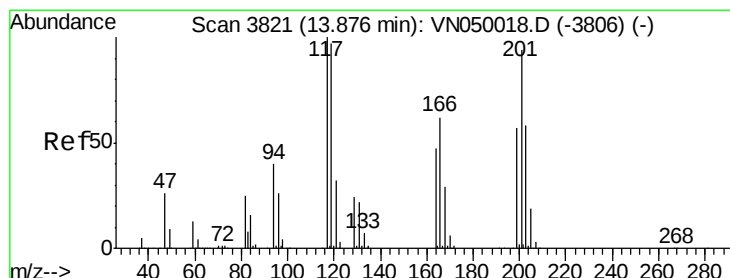
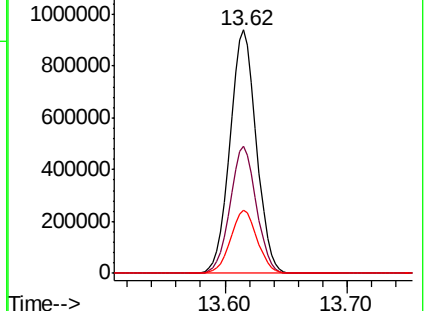
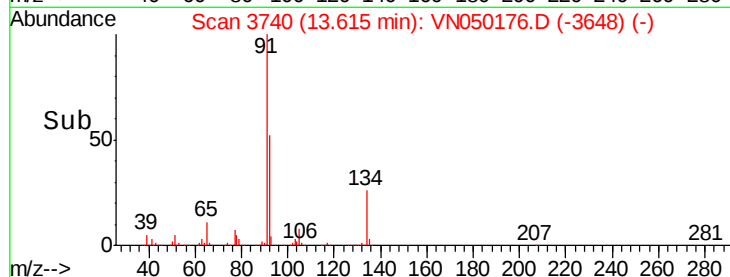
134 26.0 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050176.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN050176.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN050176.D (-3648) (-)



#90

Hexachloroethane

Concen: 48.32 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050176.D

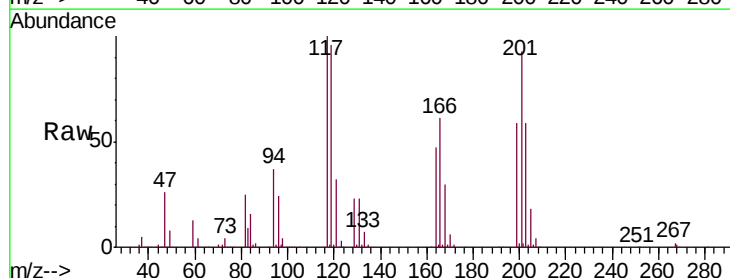
Acq: 30 Jul 2018 10:14

Tgt Ion: 117 Resp: 306518

Ion Ratio Lower Upper

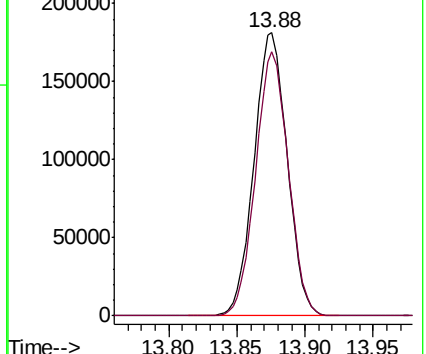
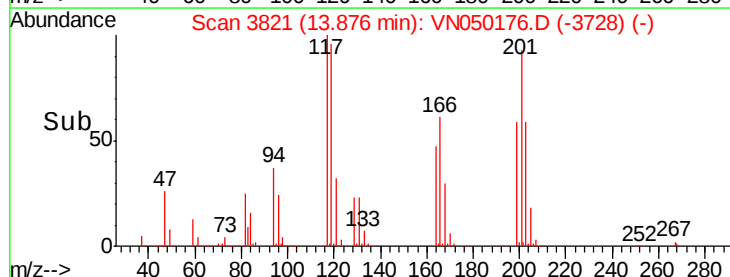
117 100

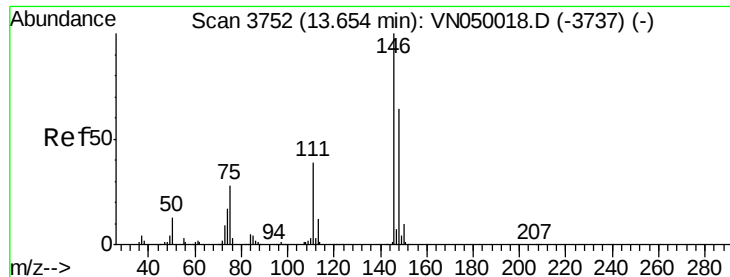
201 91.9 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050176.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050176.D (-3728) (-)

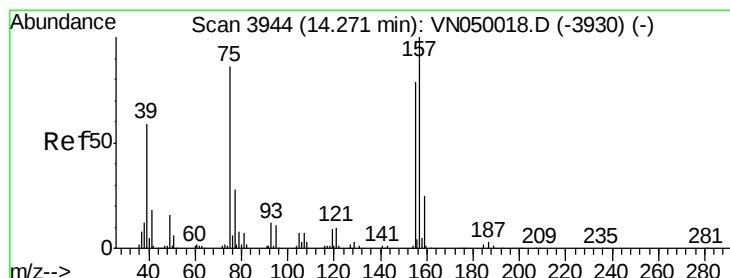
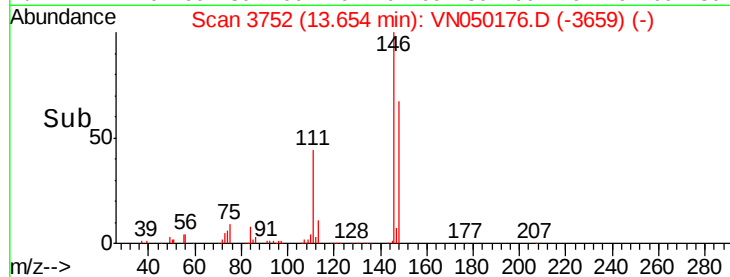
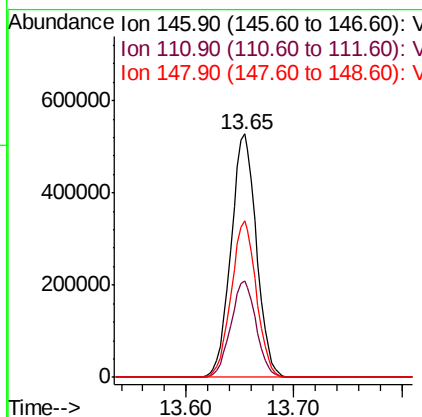
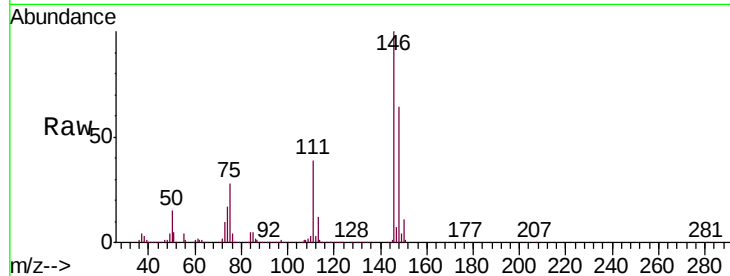




#91
 1,2-Dichlorobenzene
 Concen: 49.92 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

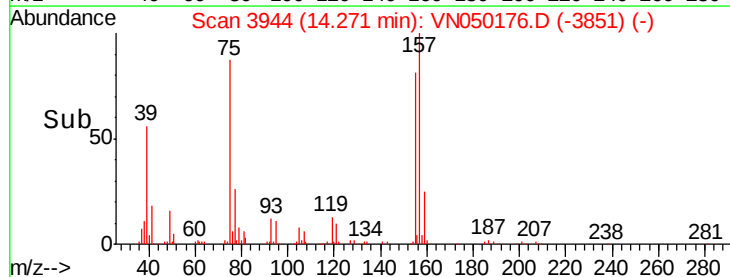
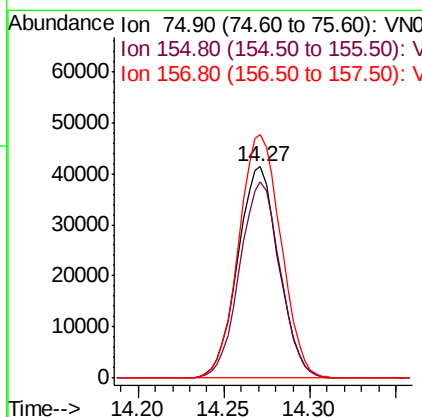
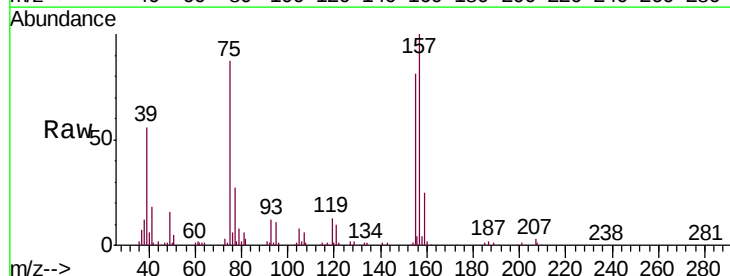
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

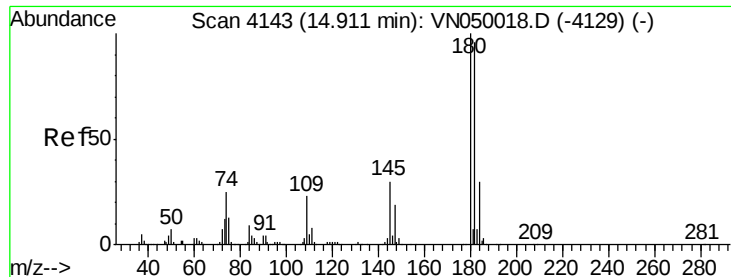
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.7	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.67 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	44.8	134.4
157	118.5	57.2	171.6

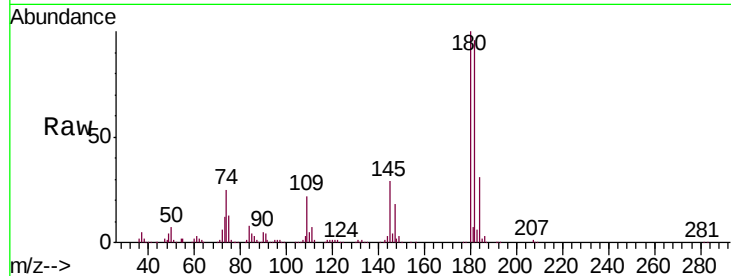




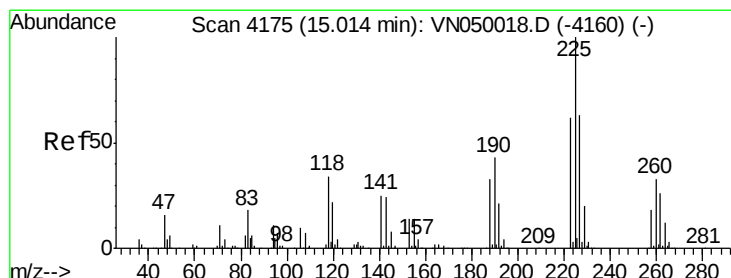
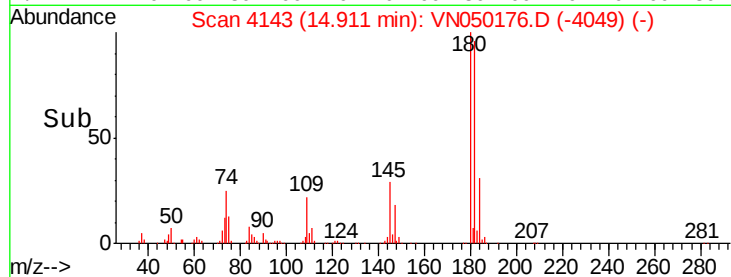
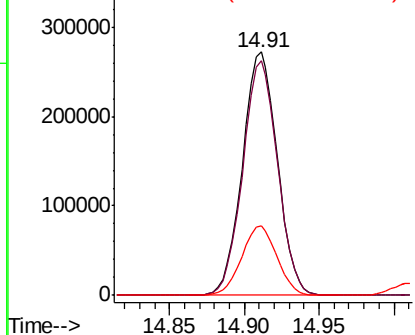
#93
 1,2,4-Trichlorobenzene
 Concen: 48.16 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 442350
 Ion Ratio Lower Upper
 180 100
 182 95.9 46.7 140.1
 145 28.7 13.8 41.4

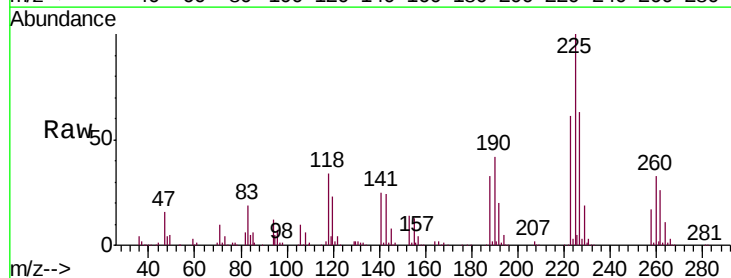


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

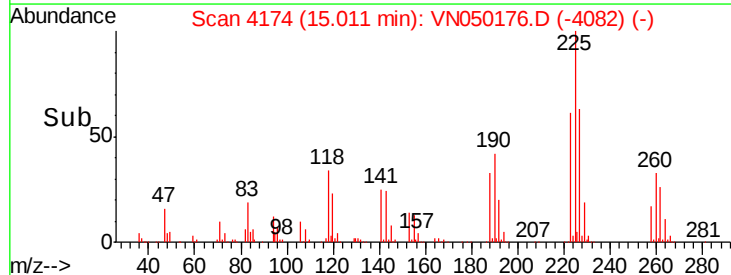
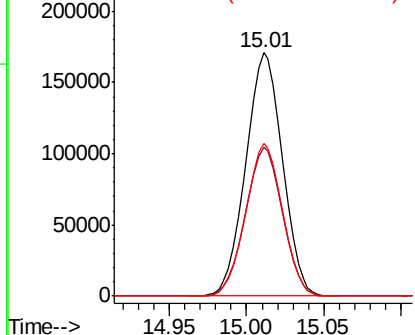


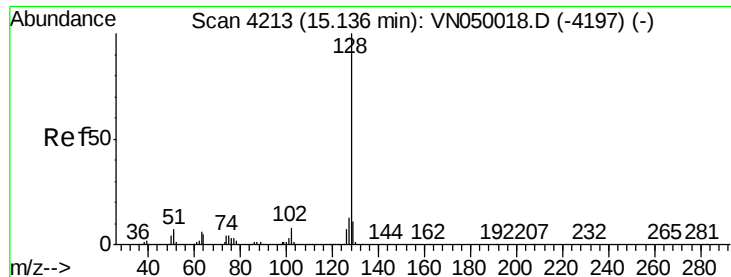
#94
 Hexachlorobutadiene
 Concen: 53.22 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050176.D
 Acq: 30 Jul 2018 10:14

Tgt Ion:225 Resp: 282888
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.4 94.2
 227 62.7 32.1 96.5



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





#95

Naphthalene

Concen: 40.65 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

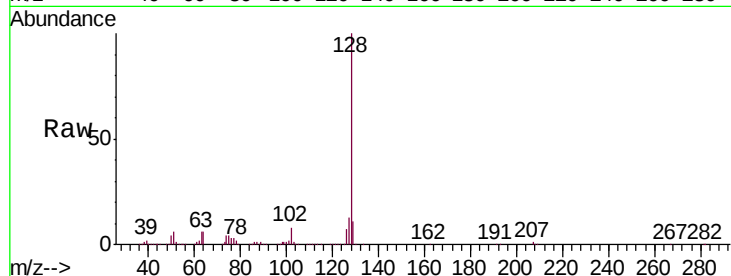
Tot Ion:128 Resp: 865083

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

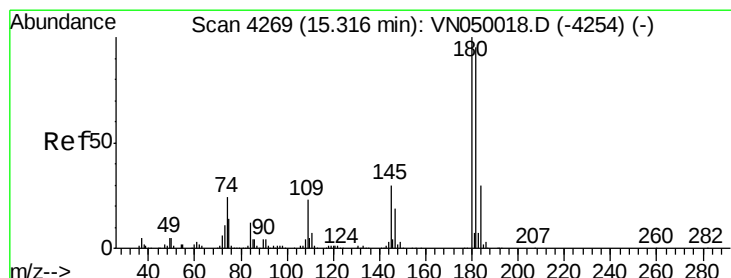
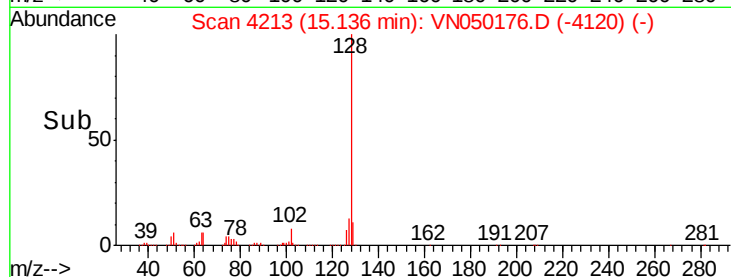
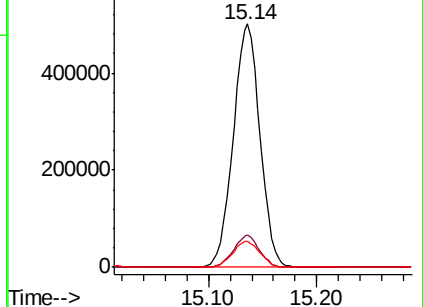
129 11.0 8.8 13.2



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: 47.39 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050176.D

Acq: 30 Jul 2018 10:14

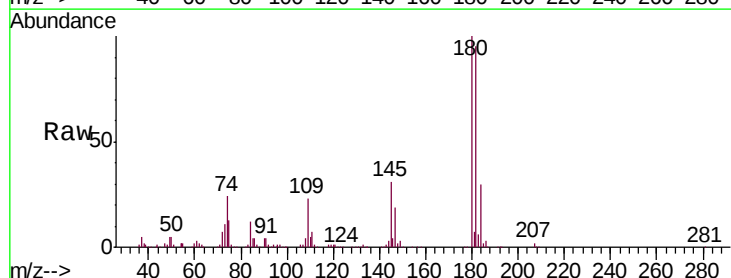
Tgt Ion:180 Resp: 423901

Ion Ratio Lower Upper

180 100

182 95.9 48.1 144.4

145 30.4 15.3 45.9



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

