

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050789.D
 Acq On : 21 Aug 2018 18:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 22 06:42:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	645458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	896444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	837606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427522	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	383336	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
35) Dibromofluoromethane	7.59	113	364356	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	10.09	98	1384364	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	453074	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	480944	55.678	ug/l	100
3) Chloromethane	2.06	50	524172	49.199	ug/l	99
4) Vinyl Chloride	2.18	62	512980	50.828	ug/l	99
5) Bromomethane	2.56	94	275641	48.014	ug/l	99
6) Chloroethane	2.70	64	291821	50.044	ug/l	99
7) Trichlorofluoromethane	3.01	101	660384	51.099	ug/l	100
8) Diethyl Ether	3.41	74	225319	51.274	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	407861	50.515	ug/l	100
10) Methyl Iodide	3.95	142	346649	49.059	ug/l	98
11) Tert butyl alcohol	4.79	59	122835	248.249	ug/l	99
12) 1,1-Dichloroethene	3.74	96	370809	51.150	ug/l	100
13) Acrolein	3.61	56	63919	223.282	ug/l	100
14) Allyl chloride	4.33	41	570394	50.494	ug/l	99
15) Acrylonitrile	4.99	53	659099	262.103	ug/l	100
16) Acetone	3.82	43	464987	252.781	ug/l	100
17) Carbon Disulfide	4.05	76	1163085	47.859	ug/l	99
18) Methyl Acetate	4.33	43	351019	47.840	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	973545	53.389	ug/l	99
20) Methylene Chloride	4.55	84	423712	48.381	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	398148	50.778	ug/l	99
22) Diisopropyl ether	5.96	45	1218289	54.117	ug/l	98
23) Vinyl Acetate	5.90	43	3921422	270.482	ug/l	100
24) 1,1-Dichloroethane	5.85	63	725808	50.218	ug/l	99
25) 2-Butanone	6.84	43	727879	232.443	ug/l	99
26) 2,2-Dichloropropane	6.83	77	578312	49.797	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	438120	51.829	ug/l	99
28) Bromochloromethane	7.20	49	319694	52.056	ug/l	99
29) Tetrahydrofuran	7.22	42	483476	269.289	ug/l	100
30) Chloroform	7.37	83	727763	50.850	ug/l	100
31) Cyclohexane	7.65	56	659632	50.217	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	627924	51.080	ug/l	99
36) 1,1-Dichloropropene	7.80	75	563214	53.241	ug/l	100
37) Ethyl Acetate	6.93	43	322930	53.143	ug/l	99
38) Carbon Tetrachloride	7.78	117	557150	52.104	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	616760	53.892	ug/l	99
40) Benzene	8.04	78	1694141	53.110	ug/l	99
41) Methacrylonitrile	7.18	41	164962	50.163	ug/l	97
42) 1,2-Dichloroethane	8.13	62	507501	53.213	ug/l	100
43) Isopropyl Acetate	8.17	43	567949	54.360	ug/l	100
44) Trichloroethene	8.84	130	436527	51.888	ug/l	99
45) 1,2-Dichloropropane	9.12	63	445021	53.081	ug/l	99
46) Dibromomethane	9.21	93	261481	53.081	ug/l	100
47) Bromodichloromethane	9.40	83	553965	53.691	ug/l	97
48) Methyl methacrylate	9.20	41	297519	55.876	ug/l	98
49) 1,4-Dioxane	9.20	88	80655	1111.143	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1630895	261.578	ug/l	100
52) Toluene	10.16	92	1053099	55.729	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	547858	53.347	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	642793	54.659	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	373093	53.196	ug/l	99
56) Ethyl methacrylate	10.43	69	452240	49.588	ug/l	99
57) 1,3-Dichloropropane	10.71	76	625138	54.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	986519	247.903	ug/l	99
59) 2-Hexanone	10.75	43	1077501	259.597	ug/l	100
60) Dibromochloromethane	10.90	129	420479	53.545	ug/l	98
61) 1,2-Dibromoethane	11.01	107	365981	53.964	ug/l	100
64) Tetrachloroethene	10.63	164	407152	51.177	ug/l	99
65) Chlorobenzene	11.43	112	1127505	51.500	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	419721	52.397	ug/l	99
67) Ethyl Benzene	11.51	91	1945404	54.658	ug/l	100
68) m/p-Xylenes	11.62	106	1506674	111.523	ug/l	99
69) o-Xylene	11.95	106	717754	55.262	ug/l	100
70) Styrene	11.96	104	1157747	50.566	ug/l	100
71) Bromoform	12.13	173	291404	52.899	ug/l	100
73) Isopropylbenzene	12.25	105	1908471	53.911	ug/l	100
74) N-amyl acetate	12.07	43	479105	53.863	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	461107	54.791	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	543389	72.567	ug/l #	100
77) Bromobenzene	12.53	156	487390	50.659	ug/l	98
78) n-propylbenzene	12.59	91	2174929	54.998	ug/l	100
79) 2-Chlorotoluene	12.68	91	1288532	52.310	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1577746	55.235	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113283	51.143	ug/l	98
82) 4-Chlorotoluene	12.77	91	1296834	53.328	ug/l	100
83) tert-Butylbenzene	12.99	119	1317326	53.251	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1598954	55.650	ug/l	99
85) sec-Butylbenzene	13.17	105	1771548	54.651	ug/l	100
86) p-Isopropyltoluene	13.29	119	1558891	56.439	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	843692	51.676	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	816806	50.833	ug/l	99
89) n-Butylbenzene	13.62	91	1225387	55.470	ug/l	100
90) Hexachloroethane	13.88	117	272602	51.779	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	812074	51.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64078	50.402	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	379310	46.593	ug/l	100
94) Hexachlorobutadiene	15.01	225	247696	53.118	ug/l	99
95) Naphthalene	15.13	128	741859	44.140	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	358573	46.900	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

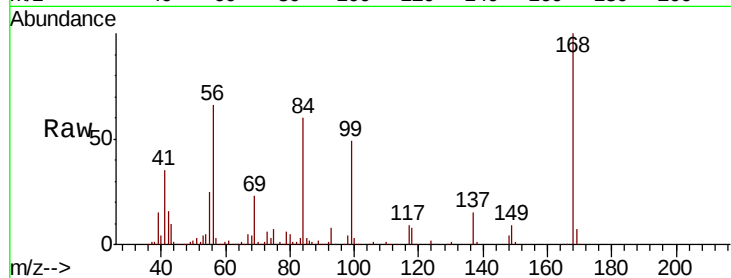
VSTDCCC050

Tot Ion:168 Resp: 645458

Ion Ratio Lower Upper

168 100

99 48.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050789.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN050789.D (-1797) (-)

7.67

300000

250000

200000

150000

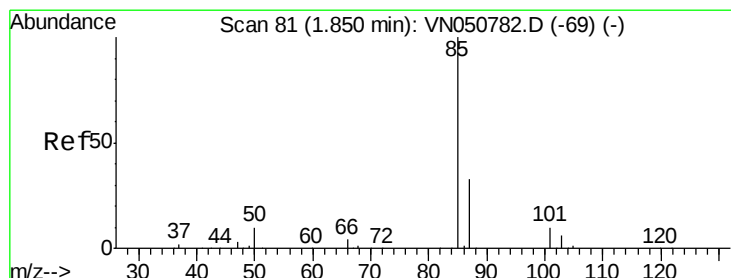
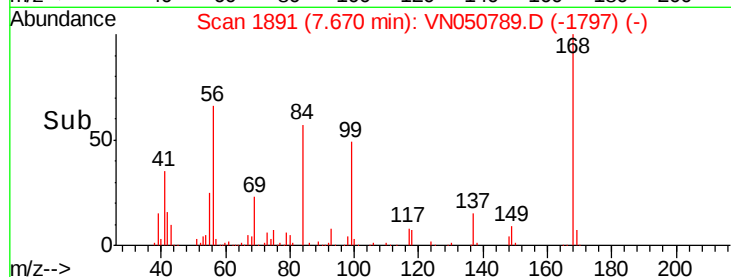
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 55.678 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050789.D

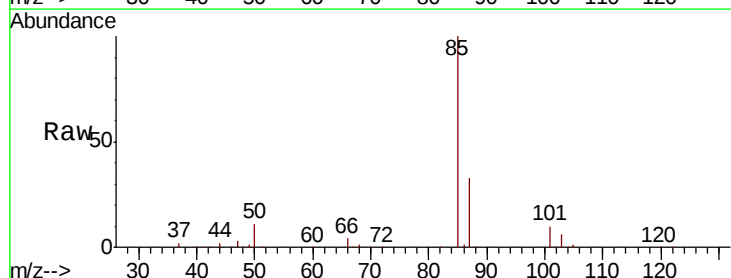
Acq: 21 Aug 2018 18:30

Tgt Ion: 85 Resp: 480944

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN050789.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN050789.D (-1) (-)

1.85

400000

300000

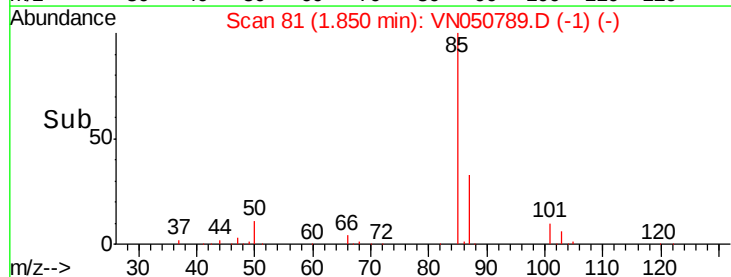
200000

100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 49.199 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

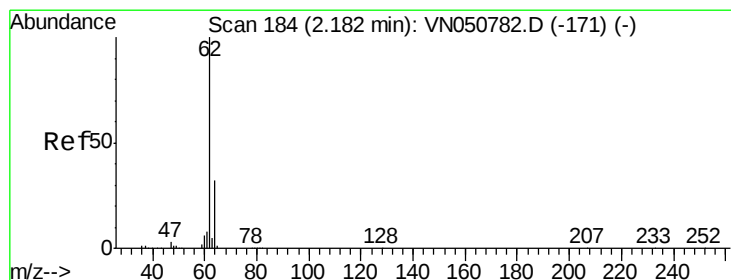
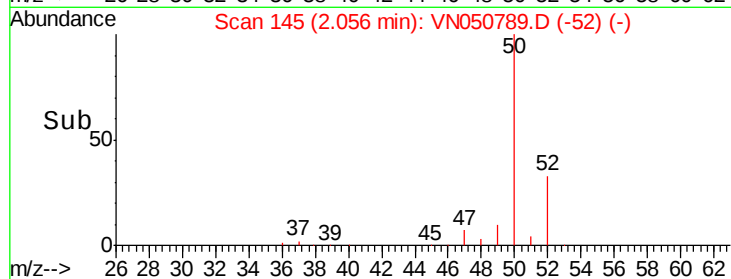
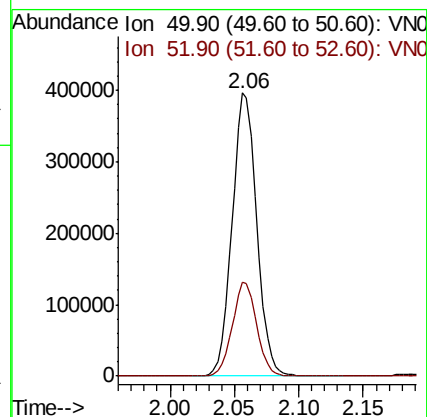
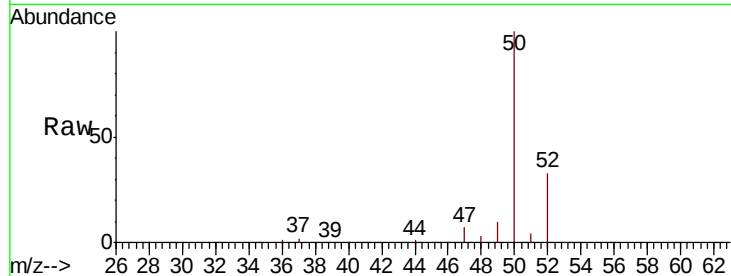
VSTDCCC050

Tot Ion: 50 Resp: 524172

Ion Ratio Lower Upper

50 100

52 33.3 26.3 39.5



#4

Vinyl Chloride

Concen: 50.828 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050789.D

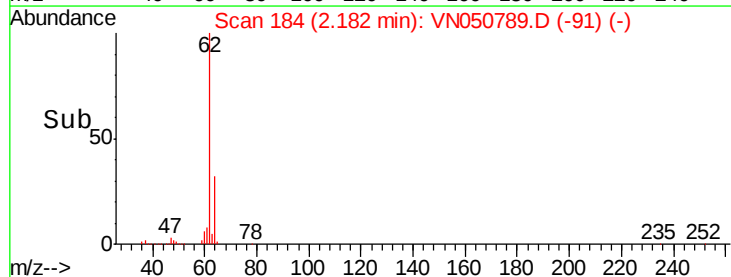
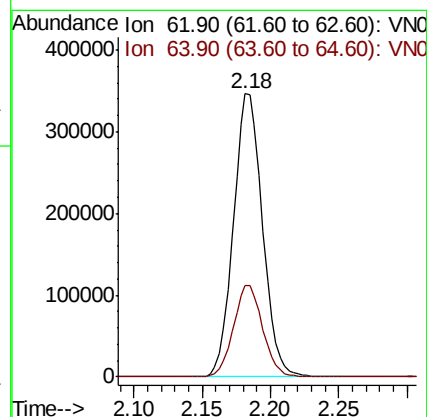
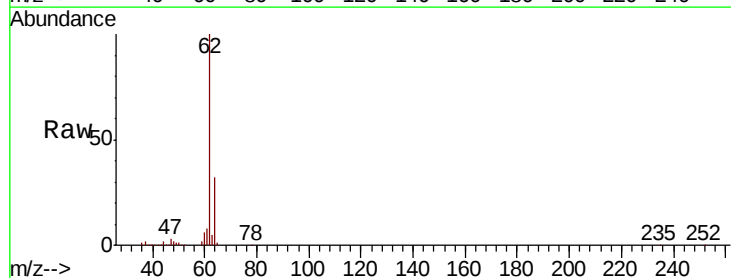
Acq: 21 Aug 2018 18:30

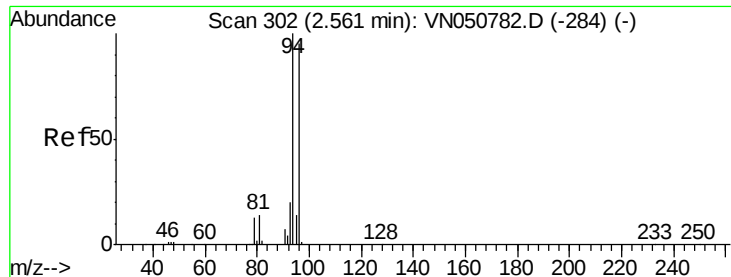
Tgt Ion: 62 Resp: 512980

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 48.014 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

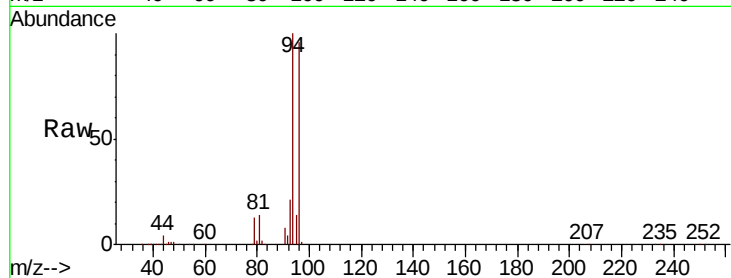
VSTDCCC050

Tot Ion: 94 Resp: 275641

Ion Ratio Lower Upper

94 100

96 96.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

150000

100000

50000

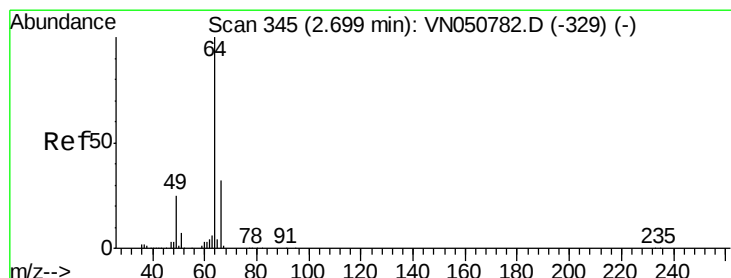
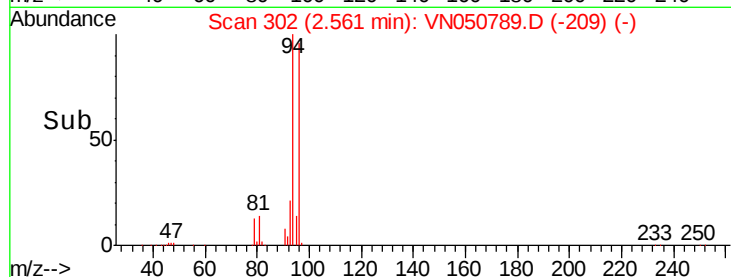
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 50.044 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050789.D

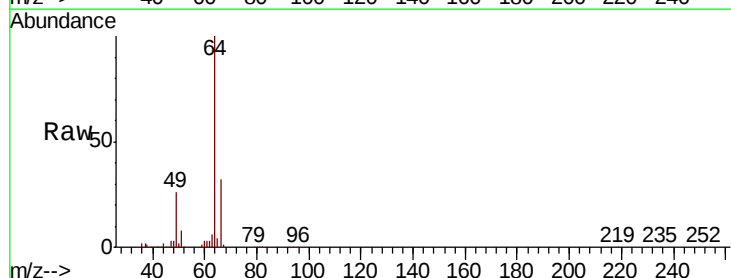
Acq: 21 Aug 2018 18:30

Tgt Ion: 64 Resp: 291821

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

150000

100000

50000

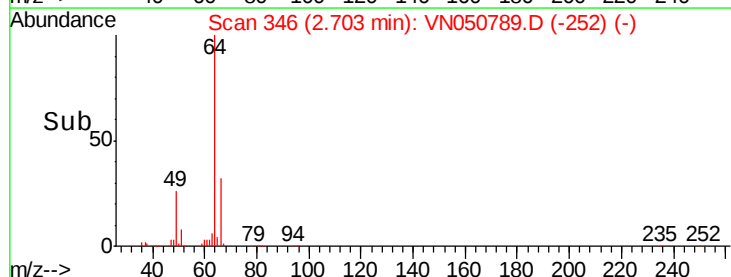
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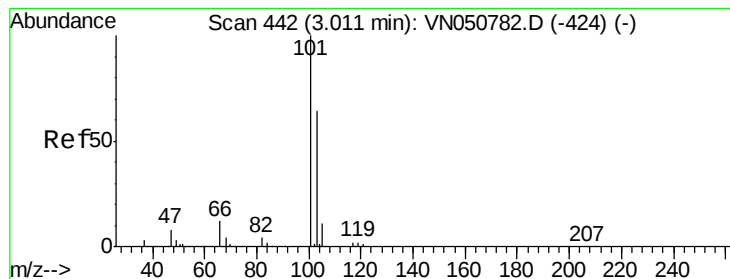
Time-->

2.60

2.70

2.80



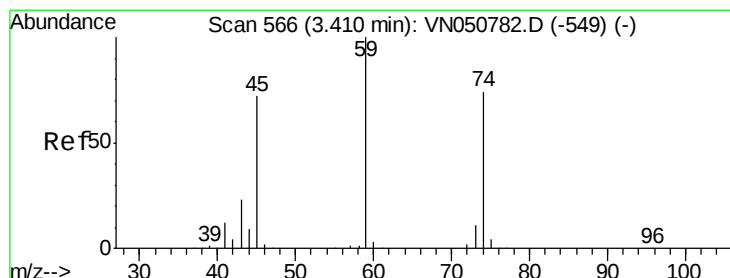
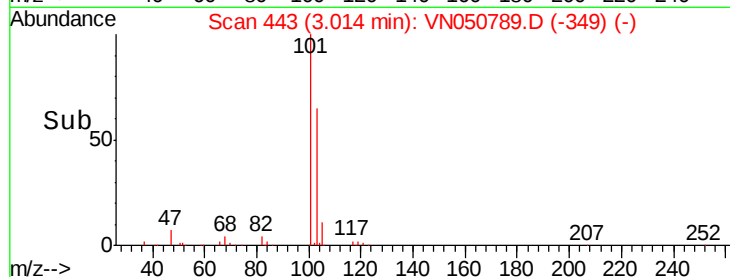
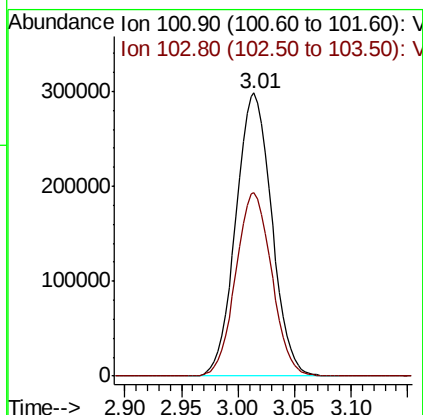
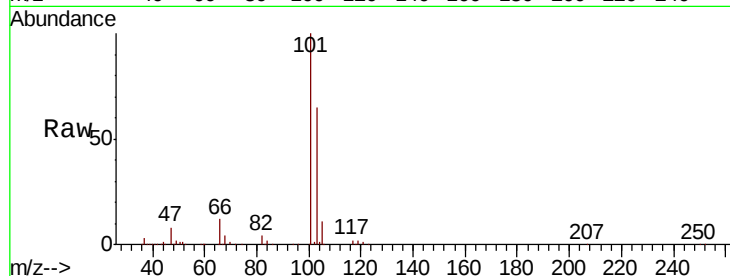


#7

Trichlorofluoromethane
 Concen: 51.099 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050789.D
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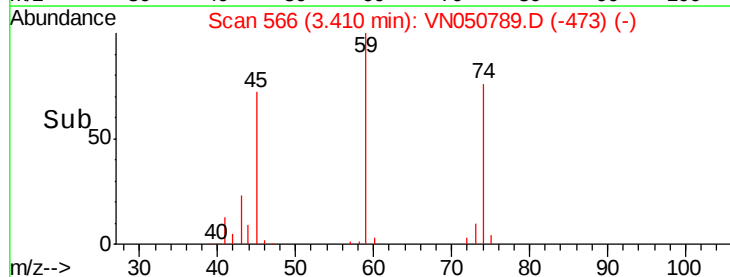
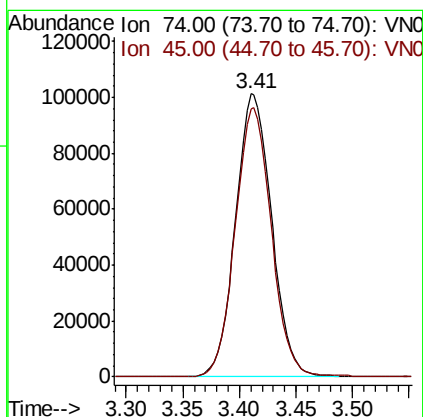
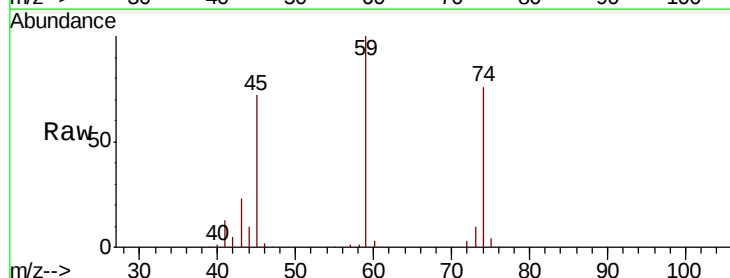
Tot Ion:101 Resp: 660384
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4

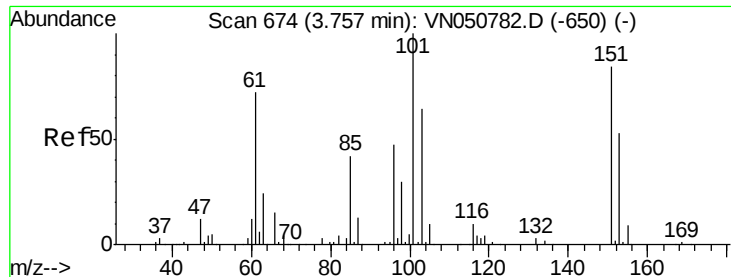


#8

Diethyl Ether
 Concen: 51.274 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion: 74 Resp: 225319
 Ion Ratio Lower Upper
 74 100
 45 95.0 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.515 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

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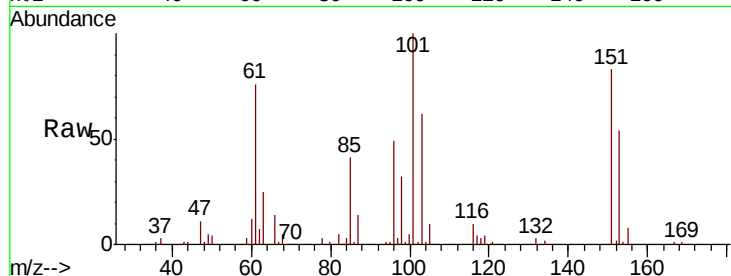
Tot Ion:101 Resp: 407861

Ion Ratio Lower Upper

101 100

85 41.5 33.7 50.5

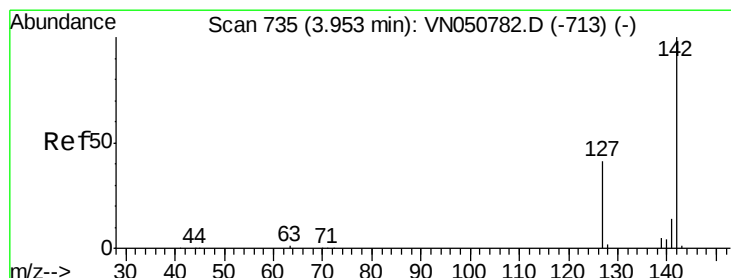
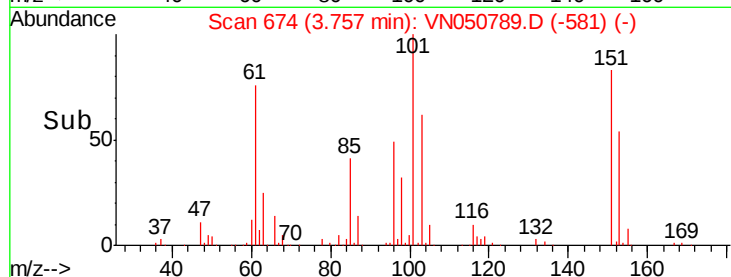
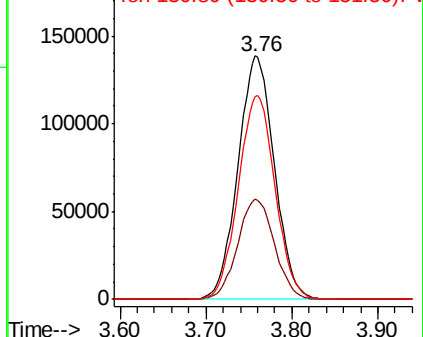
151 84.5 67.4 101.2



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: 49.059 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

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Acq: 21 Aug 2018 18:30

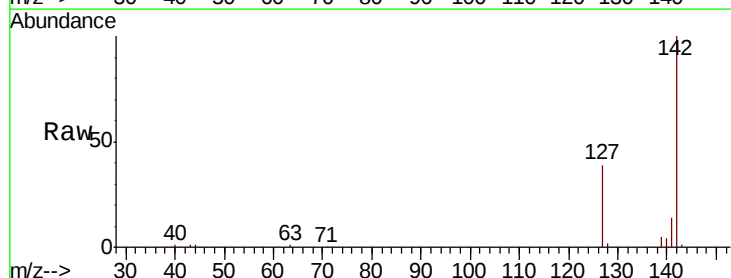
Tgt Ion:142 Resp: 346649

Ion Ratio Lower Upper

142 100

127 41.1 31.7 47.5

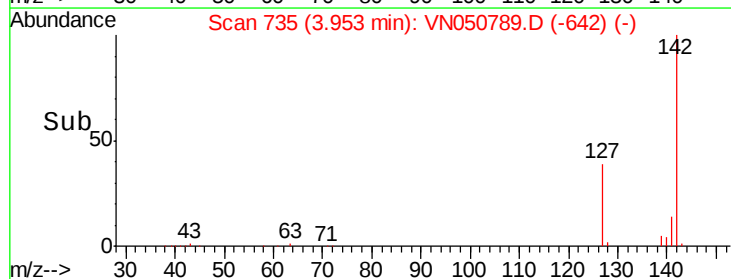
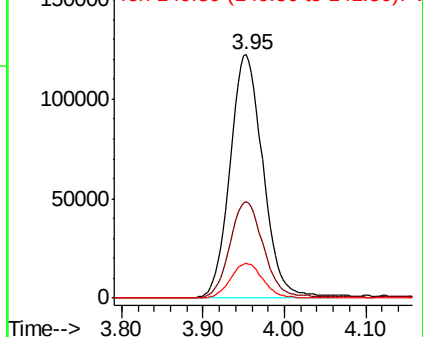
141 14.2 11.4 17.0

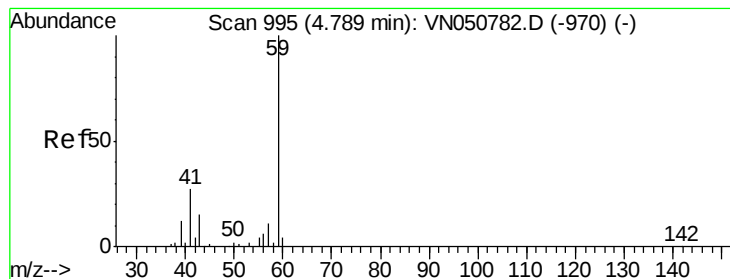


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



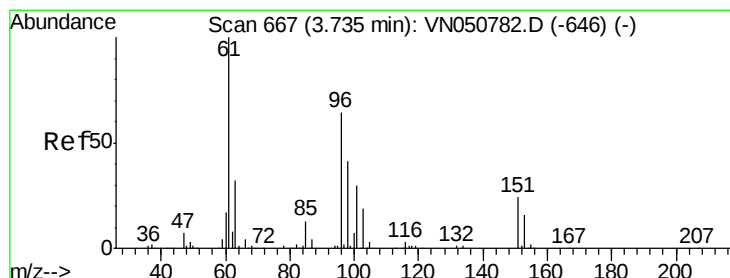
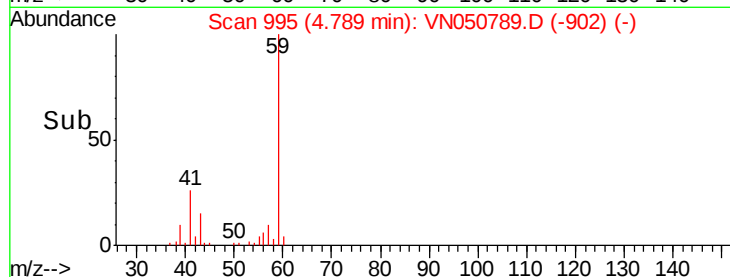
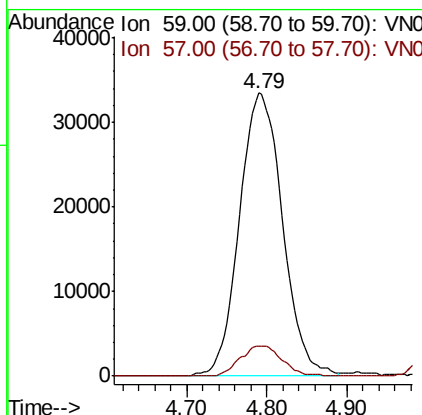
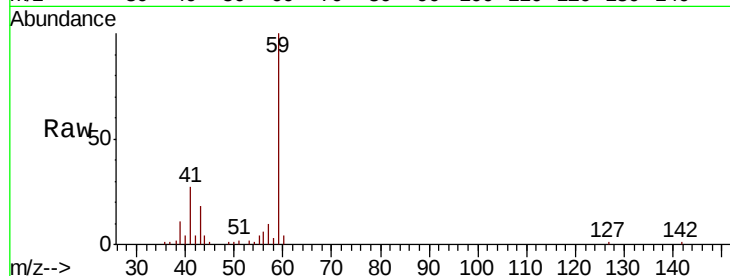


#11

Tert butyl alcohol
 Concen: 248.249 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

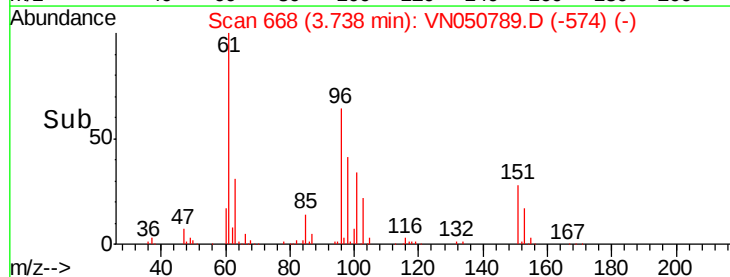
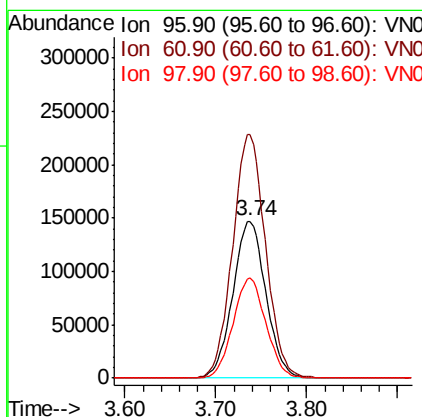
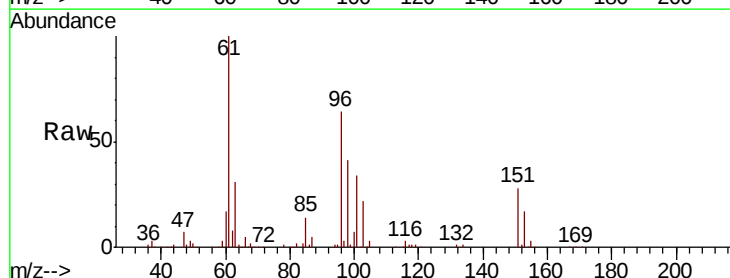
Tot Ion: 59 Resp: 122835
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

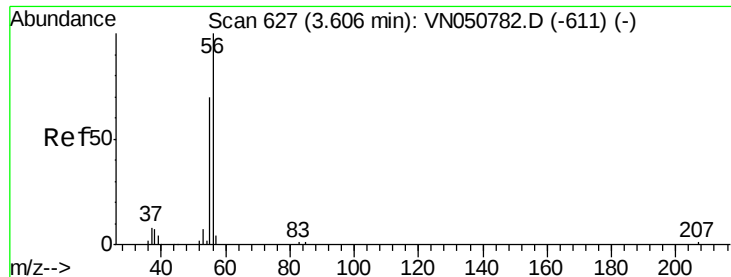


#12

1,1-Dichloroethene
 Concen: 51.150 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion: 96 Resp: 370809
 Ion Ratio Lower Upper
 96 100
 61 155.4 124.9 187.3
 98 63.9 51.1 76.7





#13

Acrolein

Concen: 223.282 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

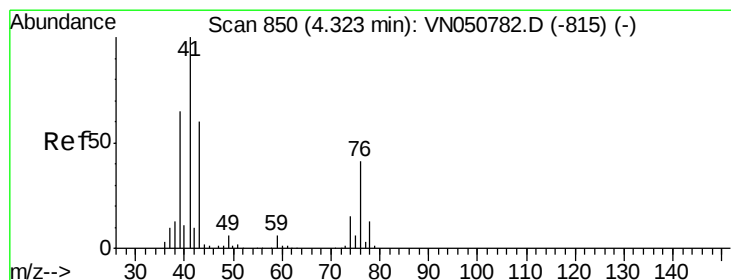
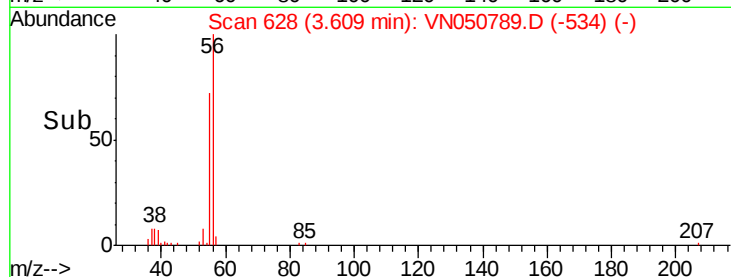
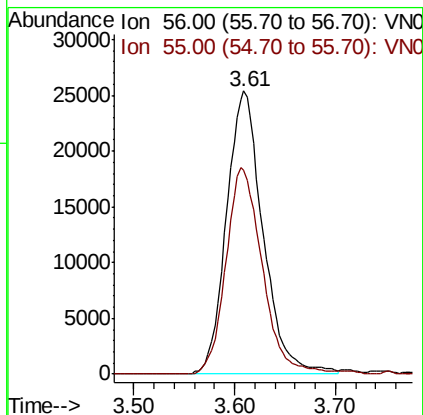
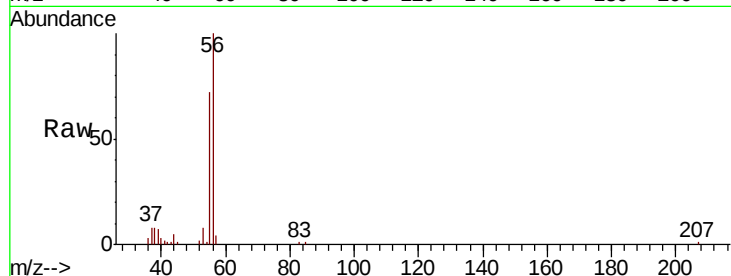
VSTDCCC050

Tot Ion: 56 Resp: 63919

Ion Ratio Lower Upper

56 100

55 72.4 57.7 86.5



#14

Allyl chloride

Concen: 50.494 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

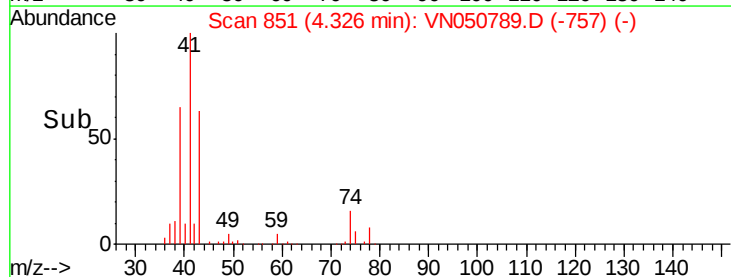
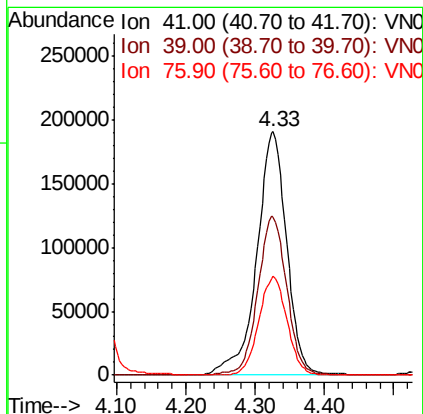
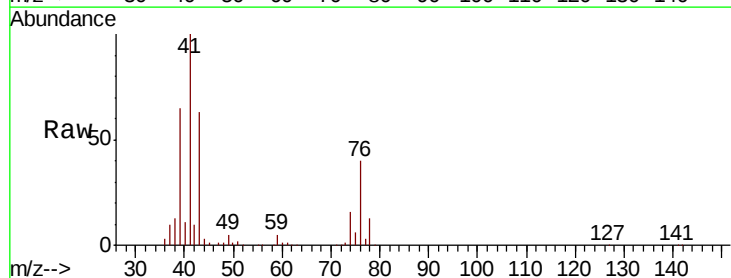
Tgt Ion: 41 Resp: 570394

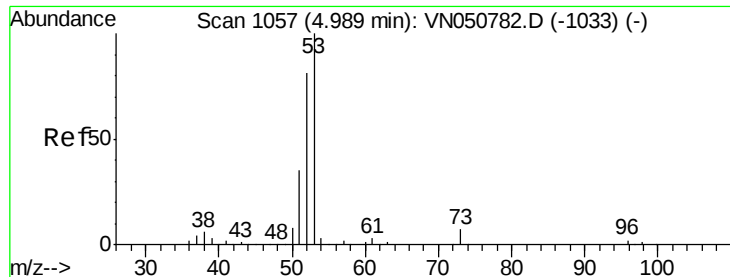
Ion Ratio Lower Upper

41 100

39 63.2 50.2 75.2

76 37.8 29.8 44.8





#15

Acrylonitrile

Concen: 262.103 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

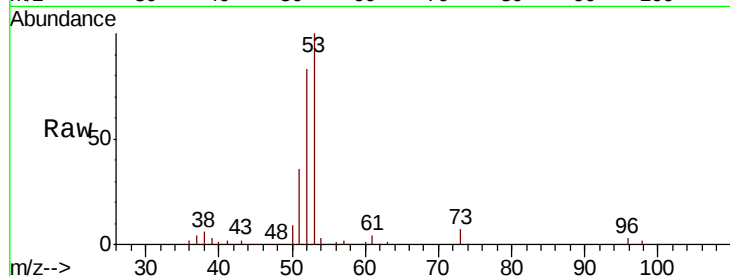
Tot Ion: 53 Resp: 659099

Ion Ratio Lower Upper

53 100

52 82.0 65.9 98.9

51 35.6 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN050782.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN050782.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN050782.D (-1033) (-)

4.99

250000

200000

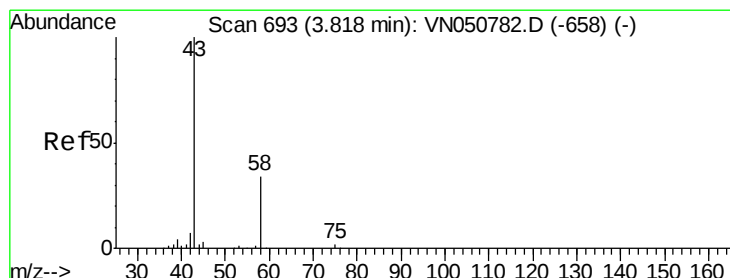
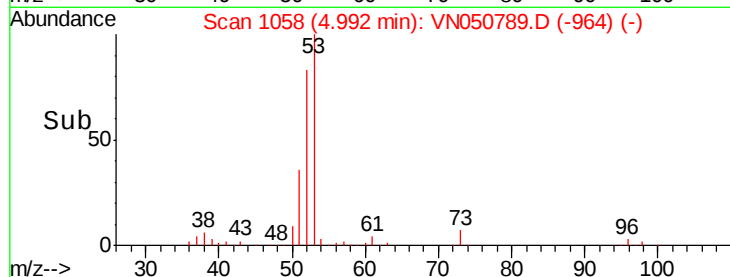
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 252.781 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050789.D

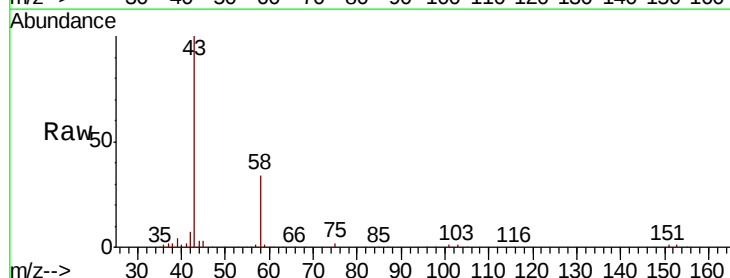
Acq: 21 Aug 2018 18:30

Tgt Ion: 43 Resp: 464987

Ion Ratio Lower Upper

43 100

58 34.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-658) (-)

Ion 58.00 (57.70 to 58.70): VN050782.D (-658) (-)

200000

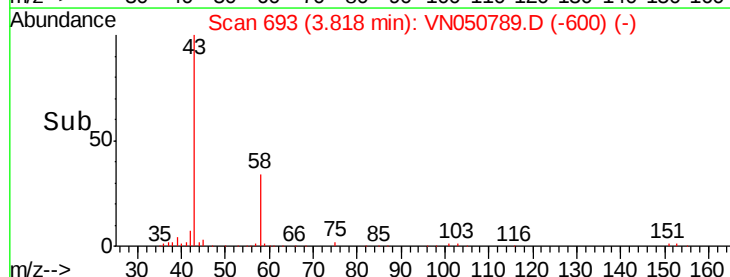
150000

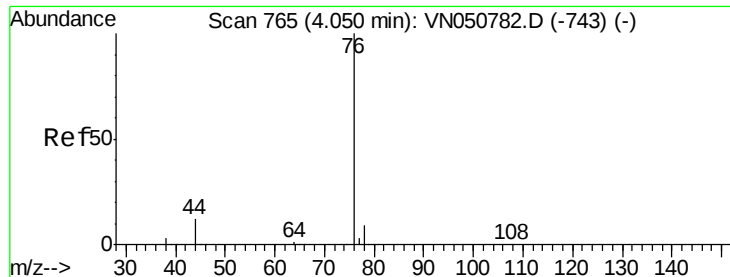
100000

50000

0

Time-->

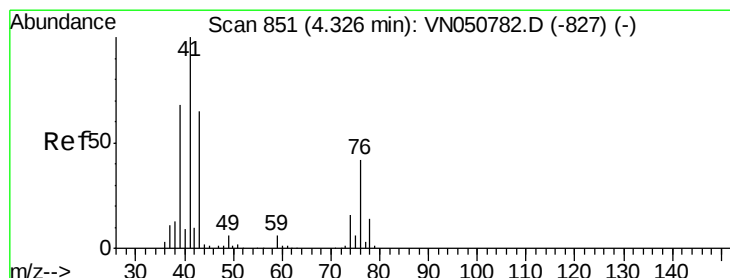
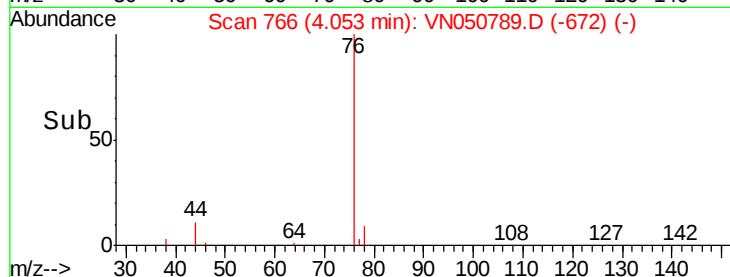
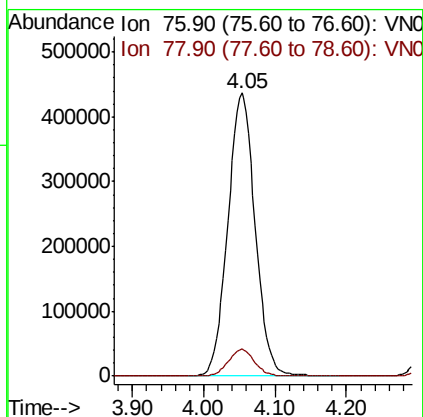
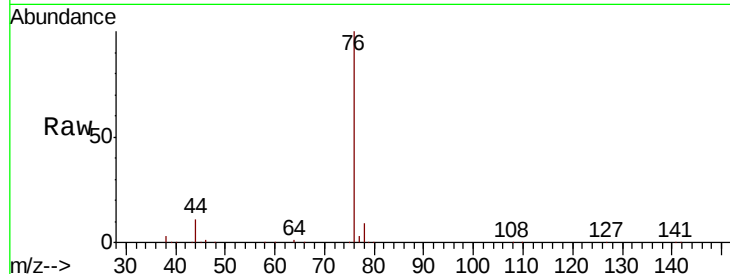




#17
Carbon Disulfide
Concen: 47.859 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

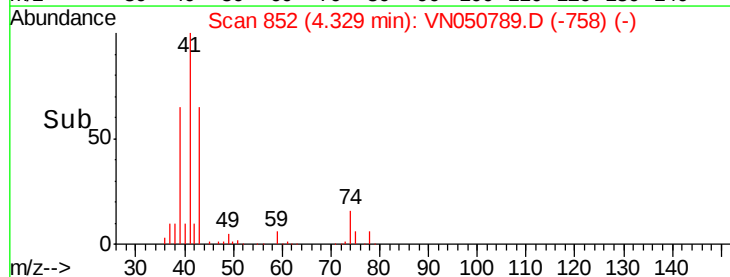
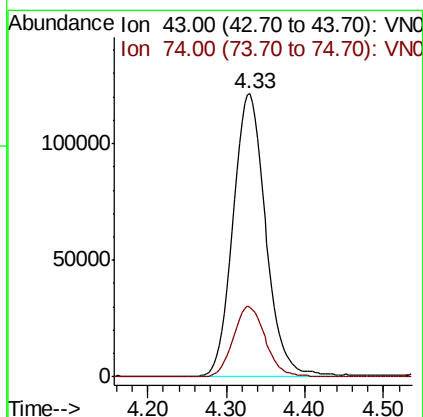
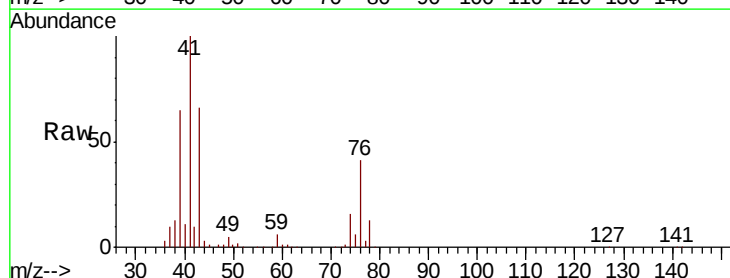
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

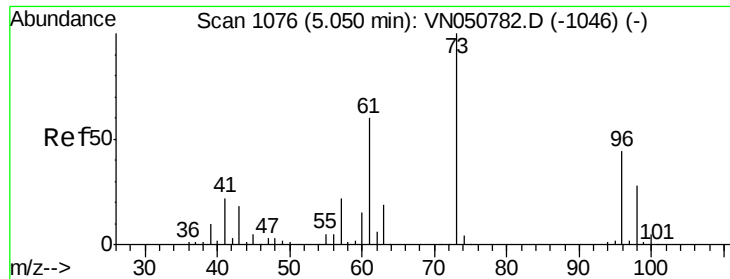
Tot Ion: 76 Resp: 1163085
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 47.840 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 43 Resp: 351019
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8

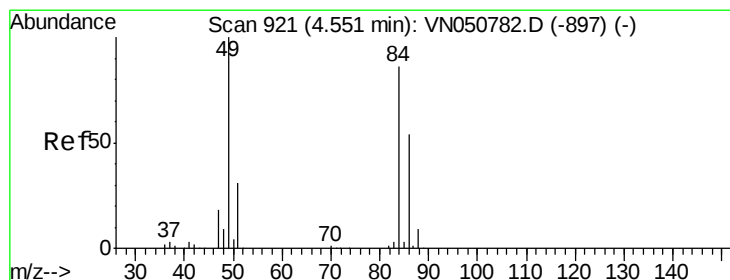
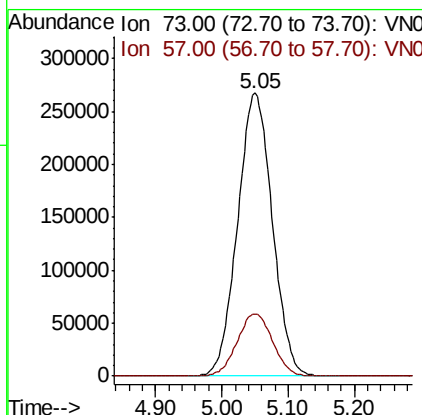
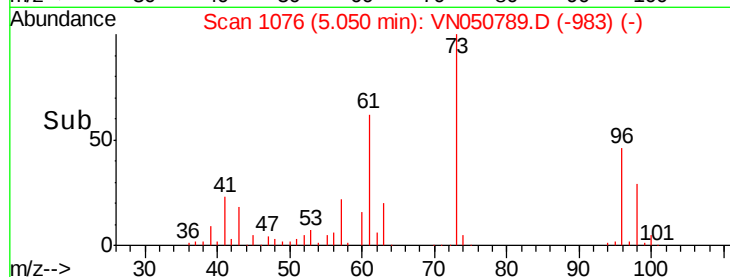
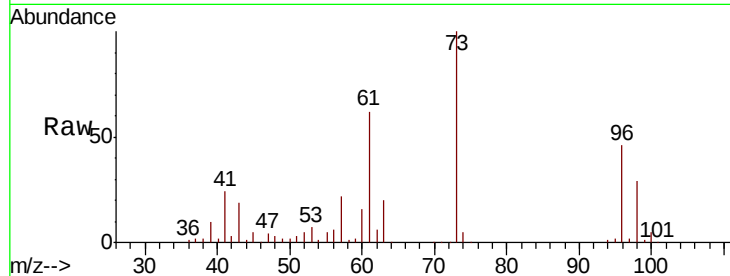




#19
Methyl tert-butyl Ether
Concen: 53.389 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

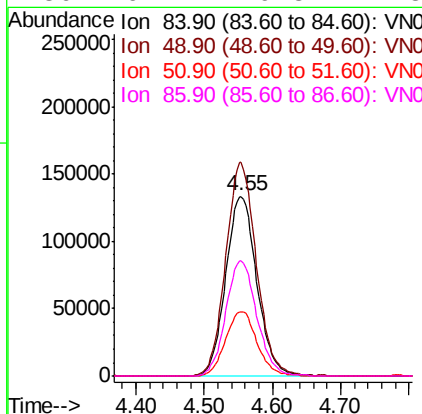
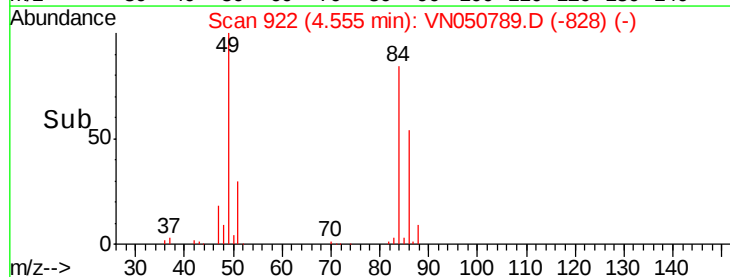
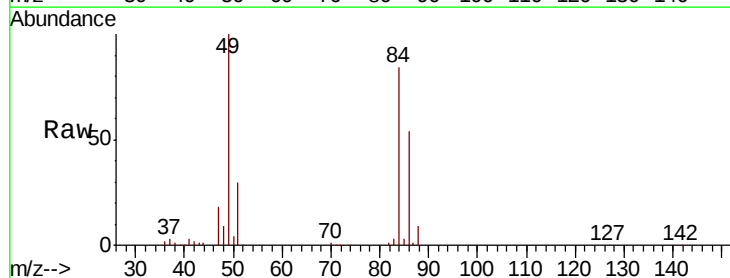
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

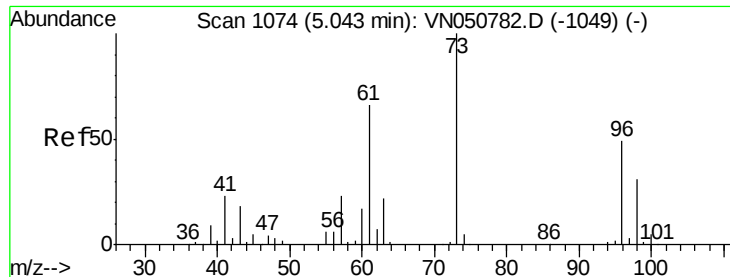
Tot Ion: 73 Resp: 973545
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8



#20
Methylene Chloride
Concen: 48.381 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 84 Resp: 423712
Ion Ratio Lower Upper
84 100
49 118.8 93.2 139.8
51 36.0 29.0 43.6
86 64.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.778 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

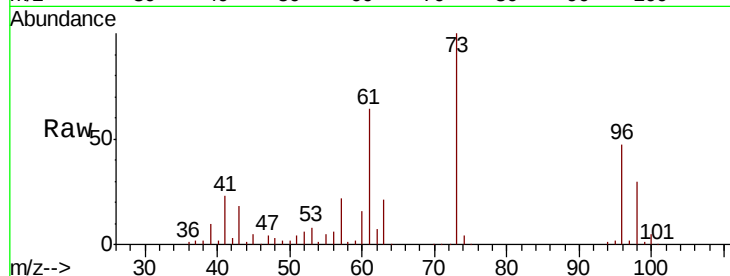
Tot Ion: 96 Resp: 398148

Ion Ratio Lower Upper

96 100

61 136.0 107.4 161.0

98 62.5 50.7 76.1

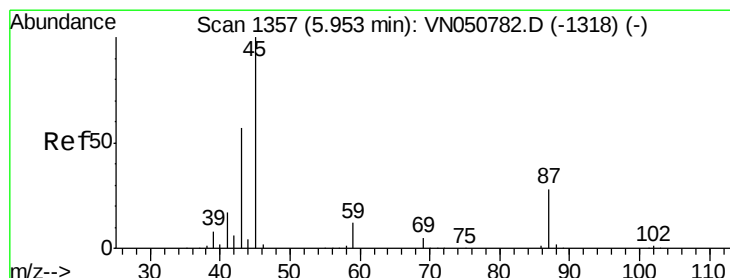
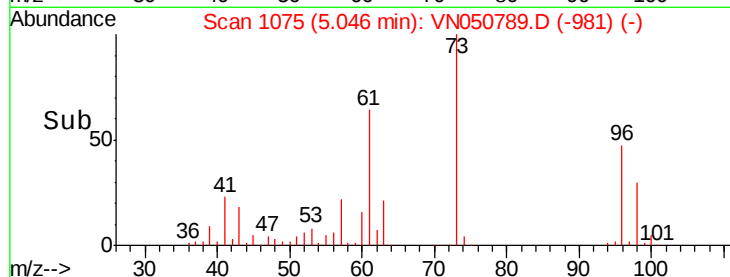
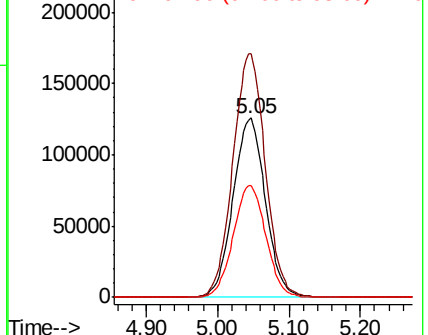


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 54.117 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Tgt Ion: 45 Resp: 1218289

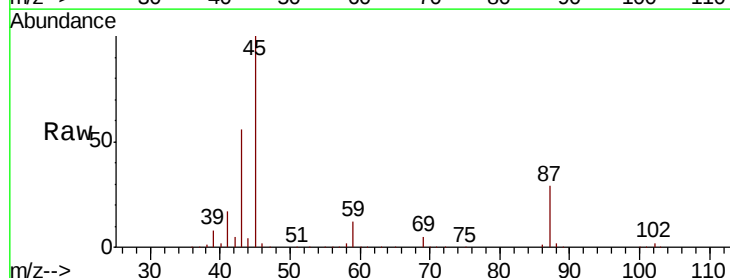
Ion Ratio Lower Upper

45 100

43 55.5 45.9 68.9

87 28.5 22.7 34.1

59 12.2 9.3 13.9



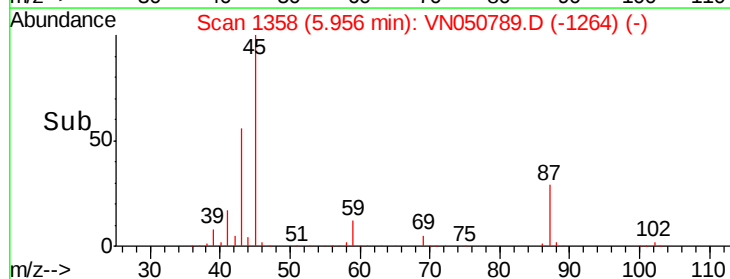
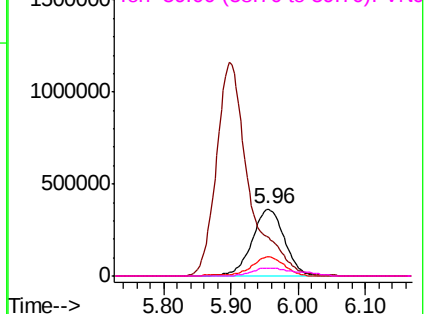
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 270.482 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

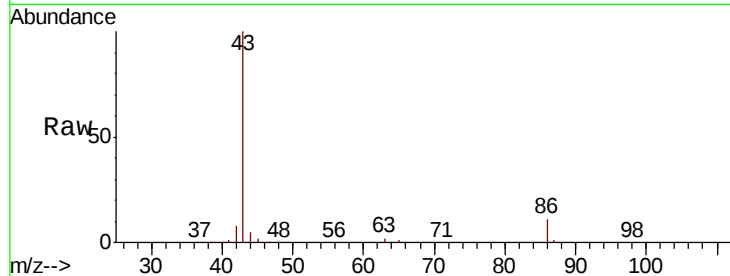
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3921422

Ion Ratio Lower Upper

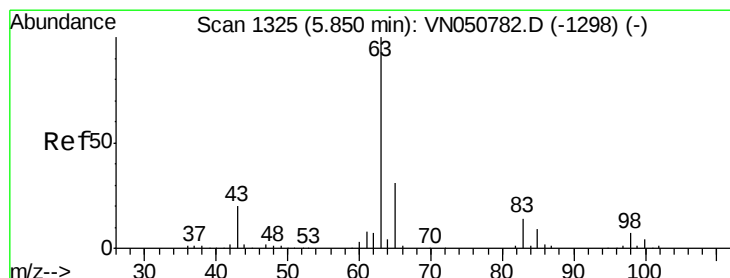
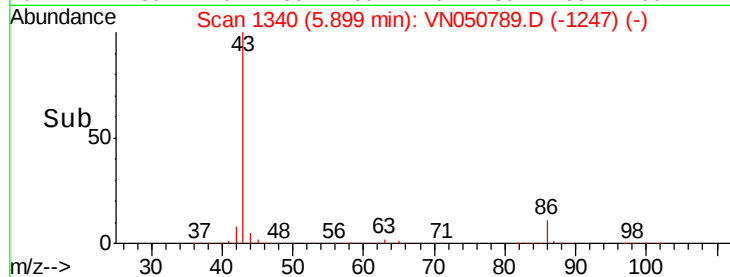
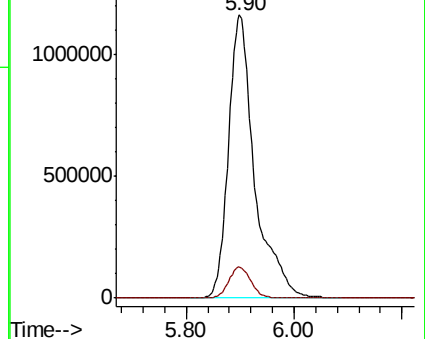
43 100

86 11.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.218 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

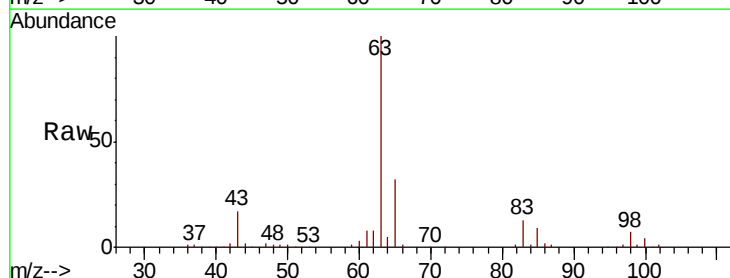
Tgt Ion: 63 Resp: 725808

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

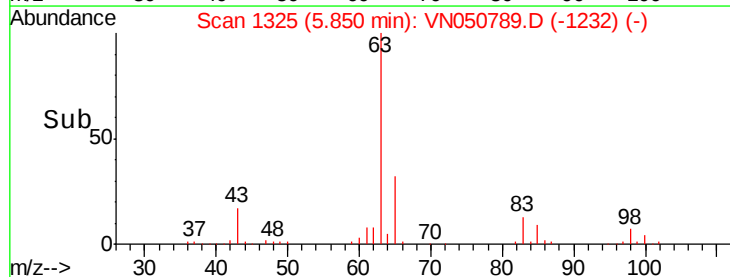
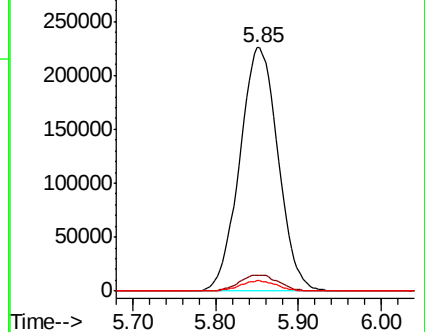
100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

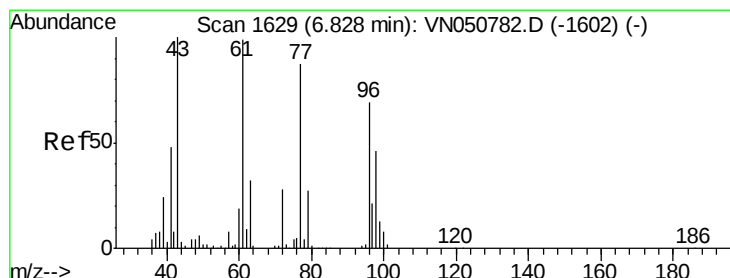
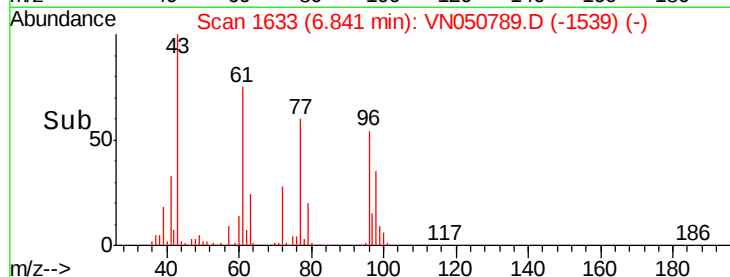
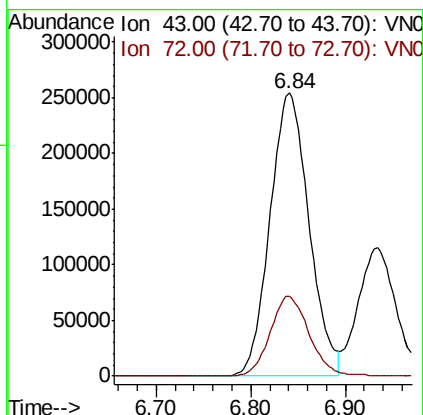
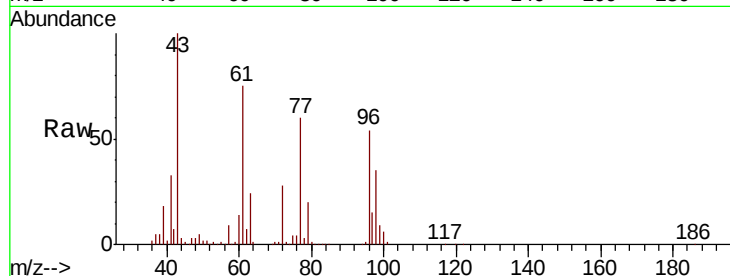




#25
2-Butanone
Concen: 232.443 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

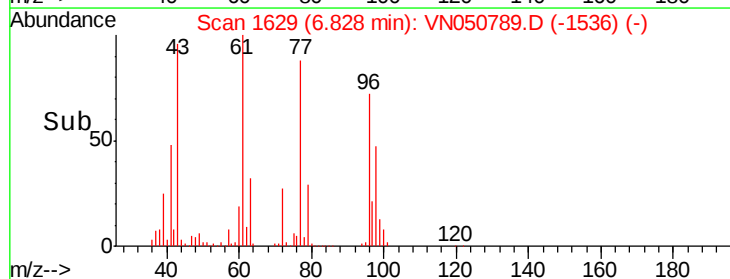
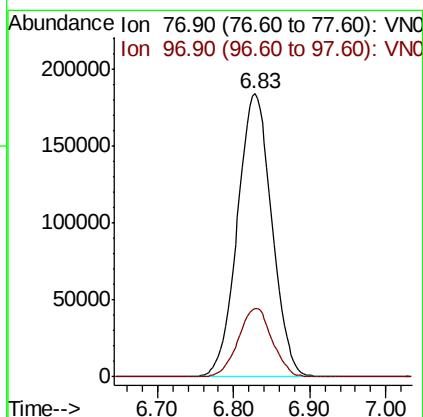
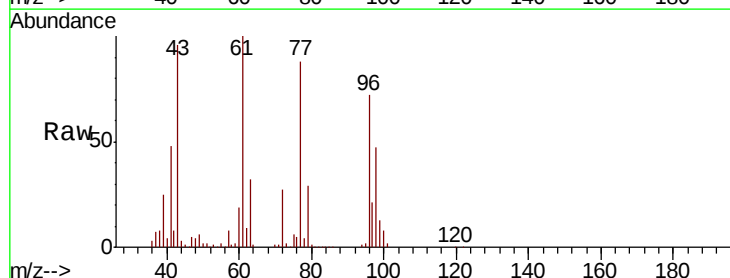
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 727879
Ion Ratio Lower Upper
43 100
72 28.2 22.3 33.5



#26
2,2-Dichloropropane
Concen: 49.797 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 77 Resp: 578312
Ion Ratio Lower Upper
77 100
97 23.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 51.829 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

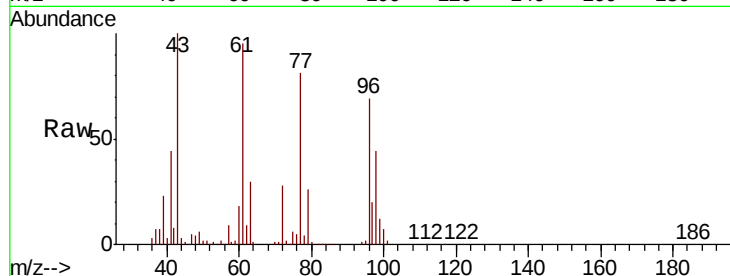
Tot Ion: 96 Resp: 438120

Ion Ratio Lower Upper

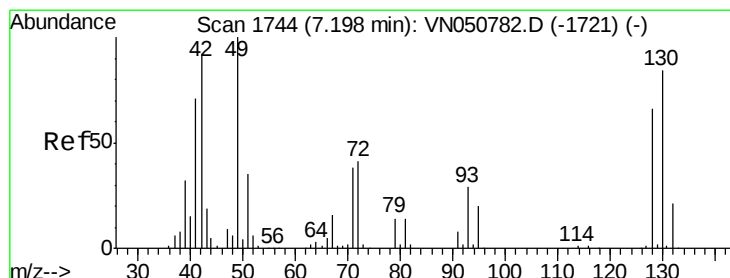
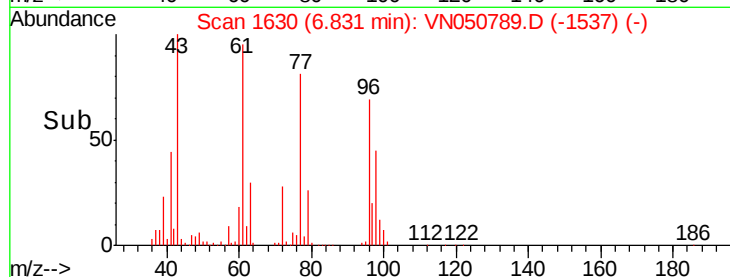
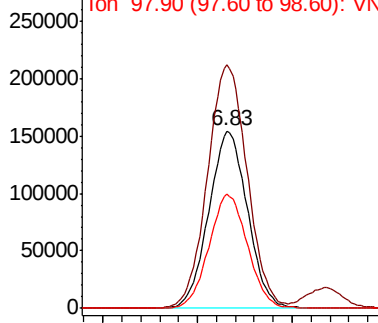
96 100

61 141.2 0.0 283.4

98 64.3 0.0 129.8



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: 52.056 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

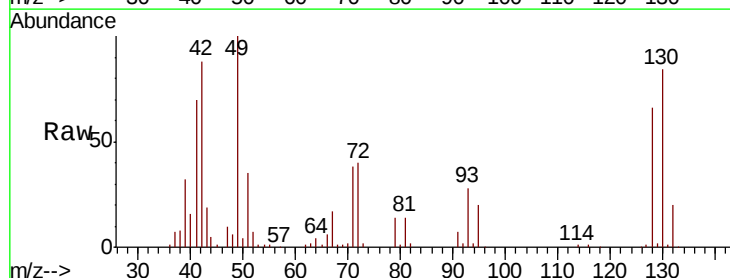
Tgt Ion: 49 Resp: 319694

Ion Ratio Lower Upper

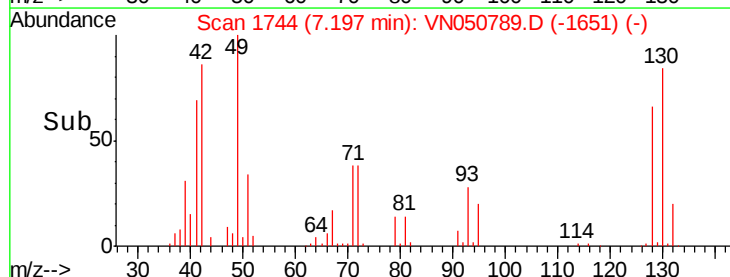
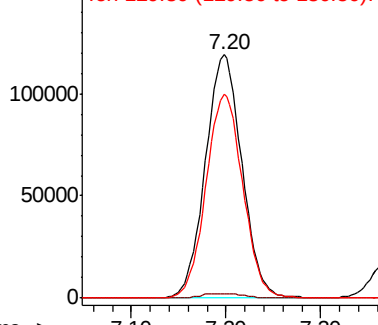
49 100

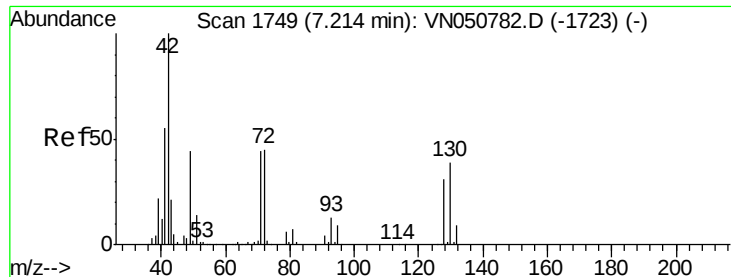
129 2.2 0.0 4.2

130 84.6 67.1 100.7



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

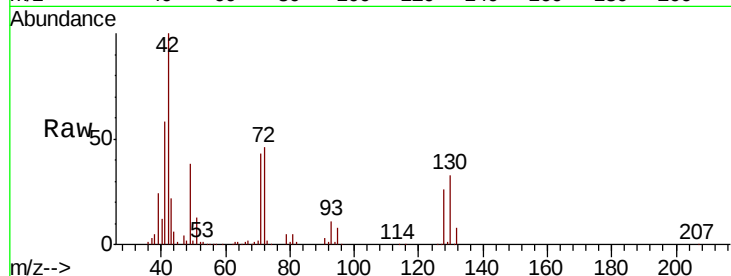




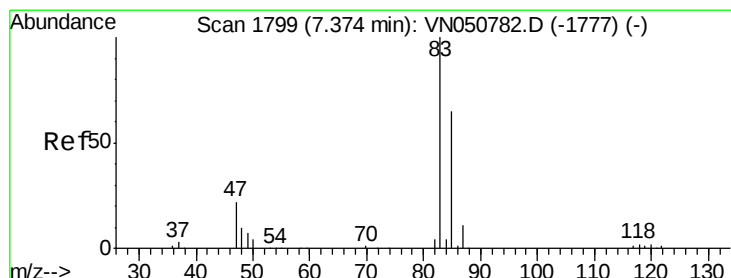
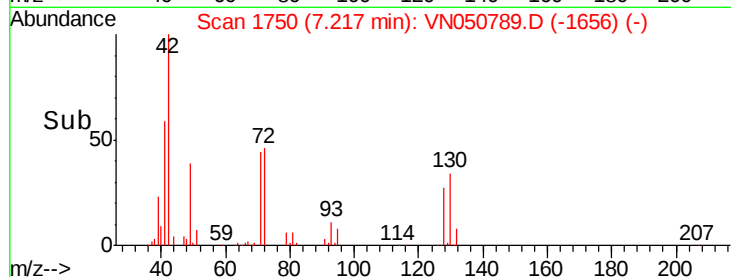
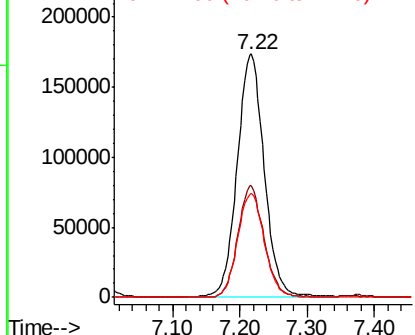
#29
Tetrahydrofuran
Concen: 269.289 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 483476
Ion Ratio Lower Upper
42 100
72 44.4 35.5 53.3
71 42.5 33.7 50.5

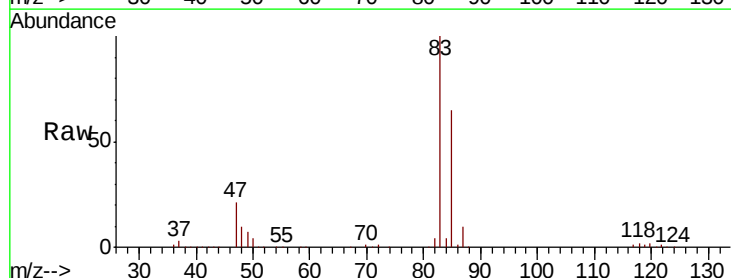


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

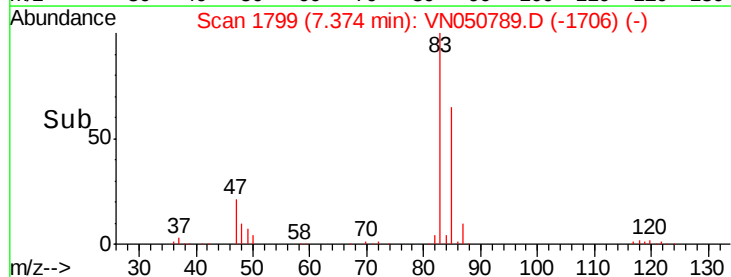
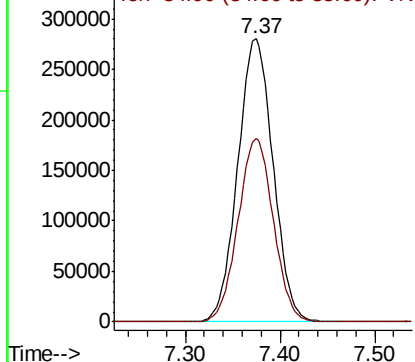


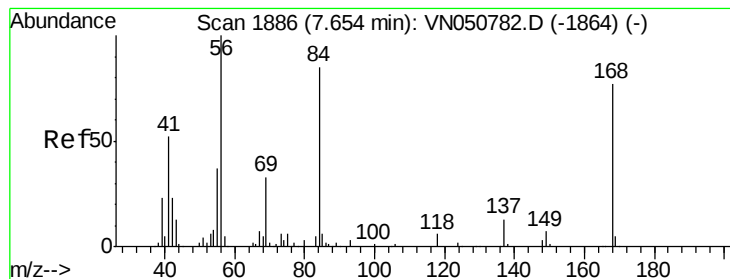
#30
Chloroform
Concen: 50.850 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 83 Resp: 727763
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4



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





#31

Cyclohexane

Concen: 50.217 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

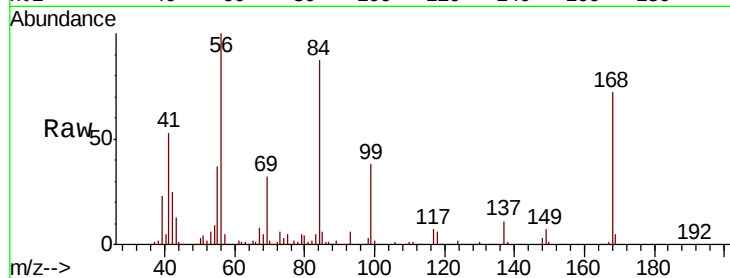
Tot Ion: 56 Resp: 659632

Ion Ratio Lower Upper

56 100

69 32.4 26.2 39.4

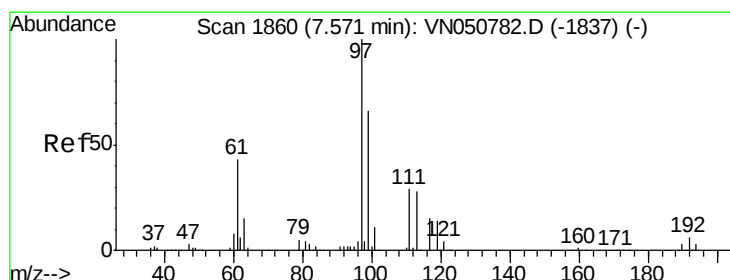
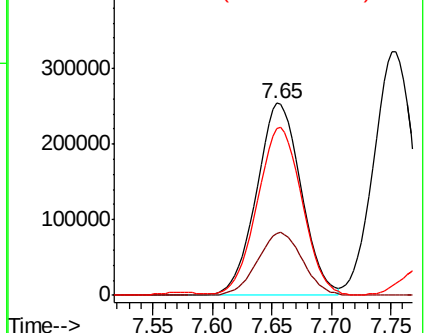
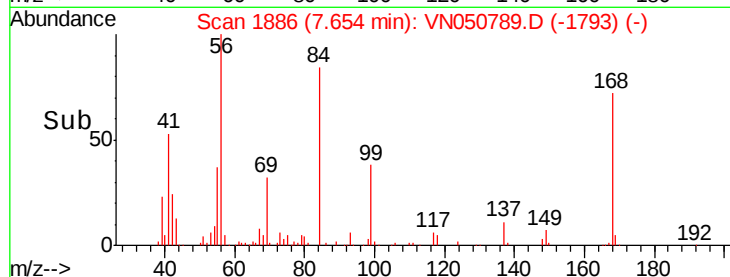
84 85.6 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN050789.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN050789.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN050789.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 51.080 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

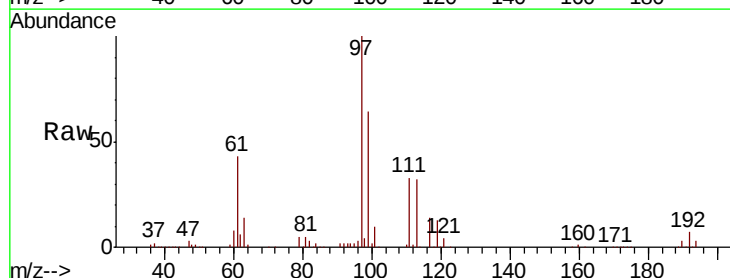
Tgt Ion: 97 Resp: 627924

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

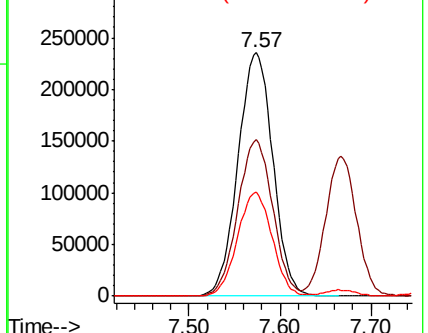
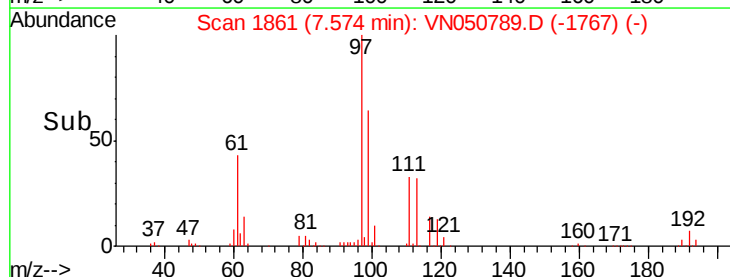
61 42.6 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN050789.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN050789.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN050789.D (-1767) (-)

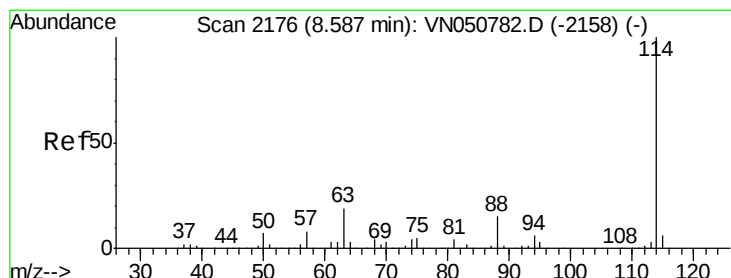
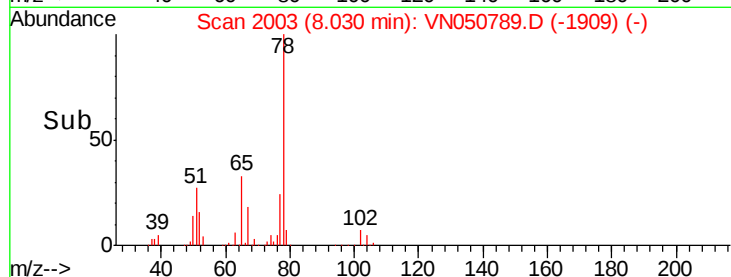
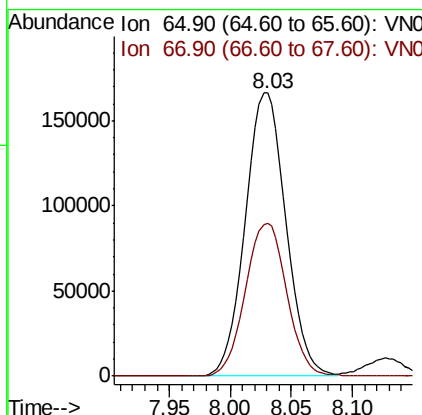
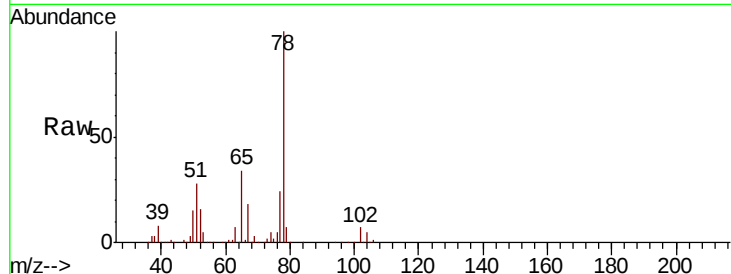




#33
 1,2-Dichloroethane-d4
 Concen: 49.333 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

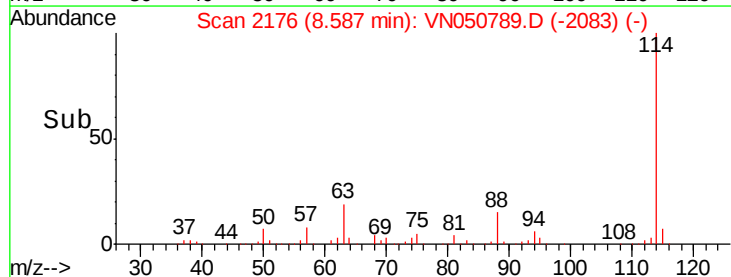
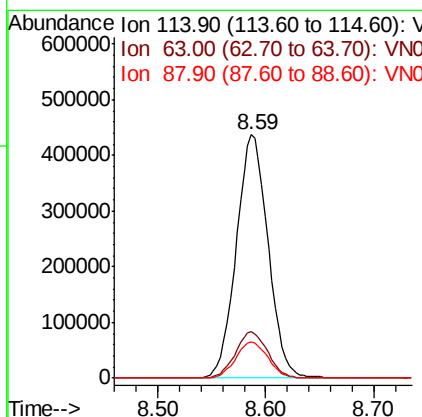
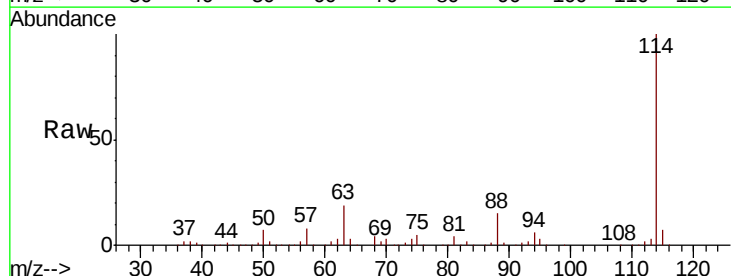
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 383336
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion: 114 Resp: 896444
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 14.7 0.0 30.6

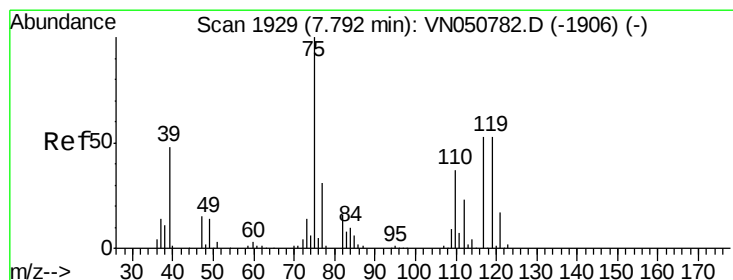
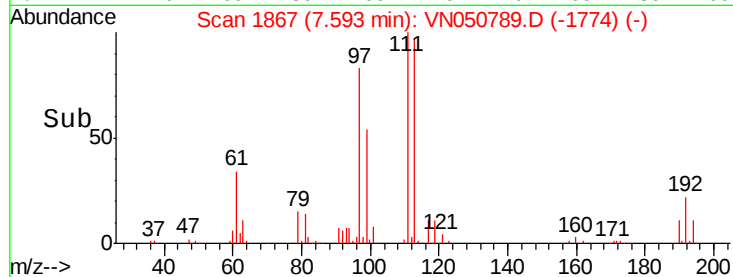
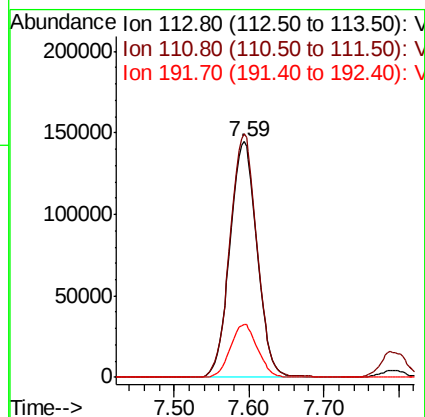
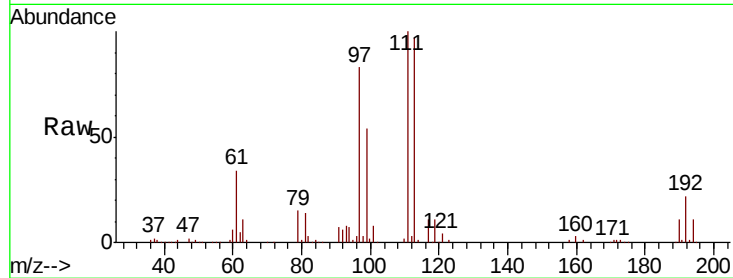




#35
 Dibromofluoromethane
 Concen: 51.089 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

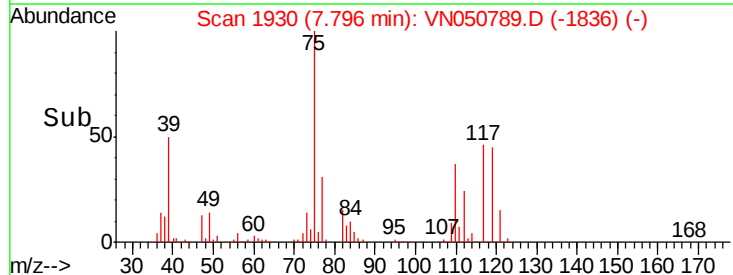
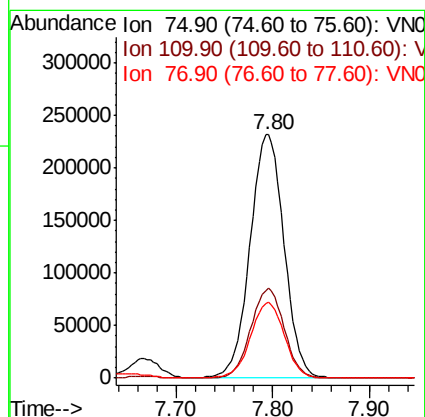
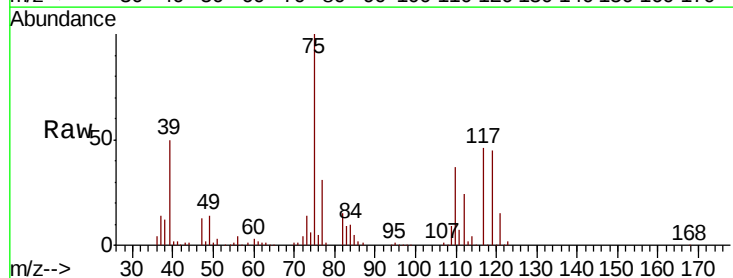
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

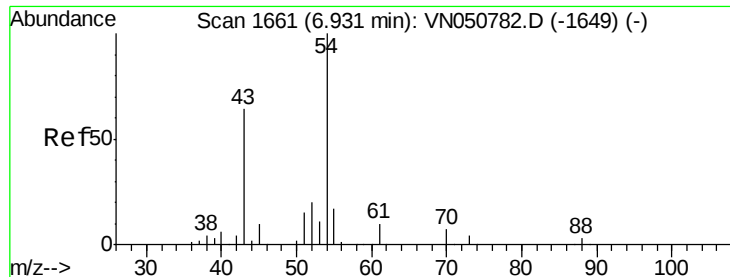
Tot Ion:113 Resp: 364356
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 22.4 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 53.241 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion: 75 Resp: 563214
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.1 54.4
 77 31.2 24.8 37.2

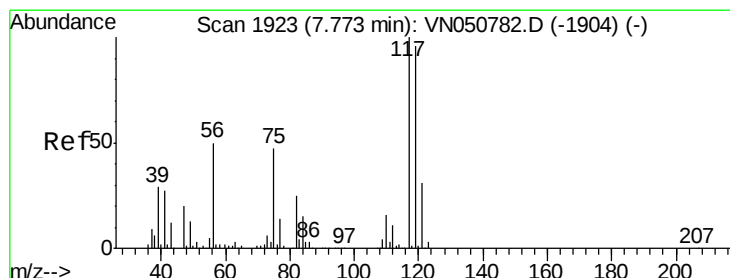
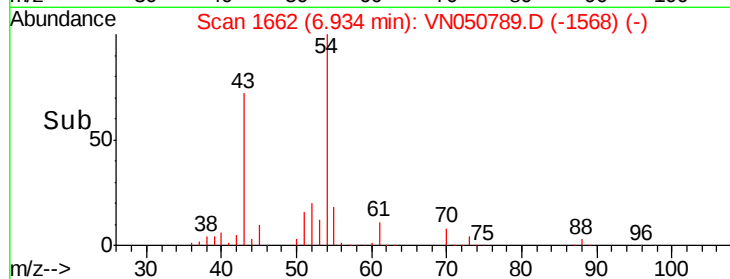
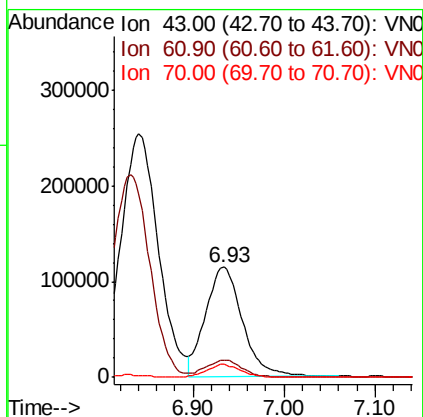
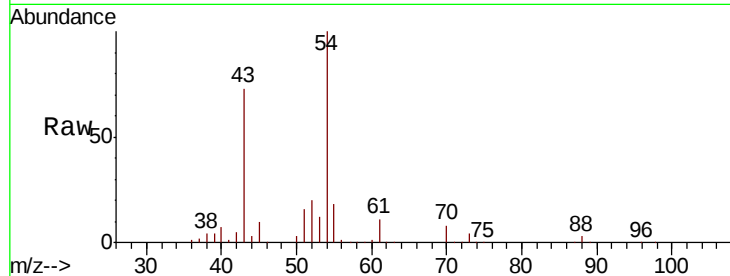




#37
Ethyl Acetate
Concen: 53.143 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

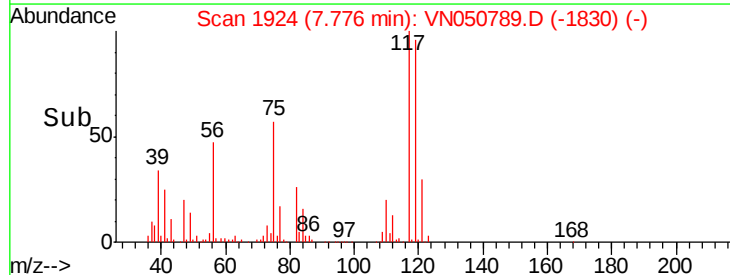
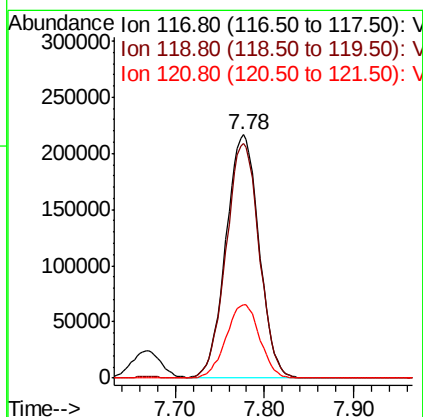
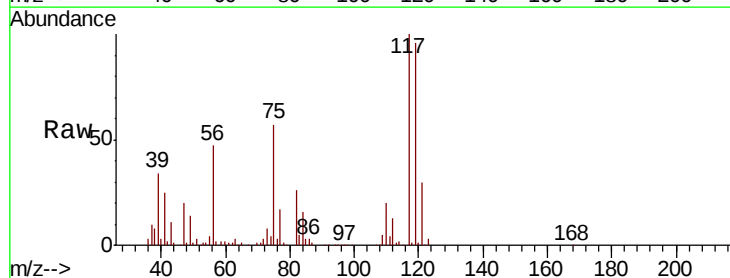
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

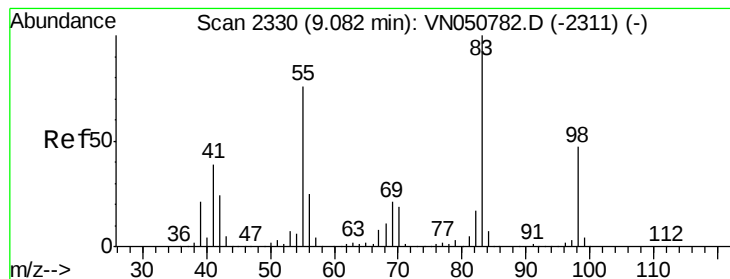
Tot Ion: 43 Resp: 322930
Ion Ratio Lower Upper
43 100
61 15.5 12.0 18.0
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 52.104 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 117 Resp: 557150
Ion Ratio Lower Upper
117 100
119 96.3 76.3 114.5
121 30.4 24.6 36.8

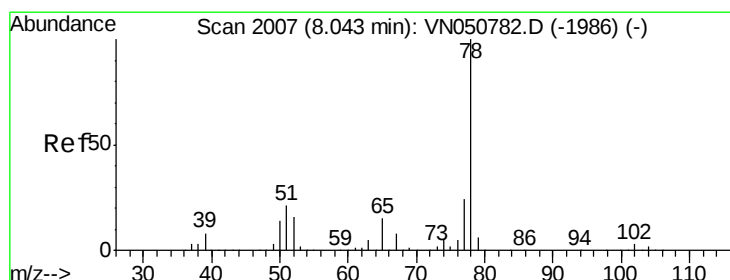
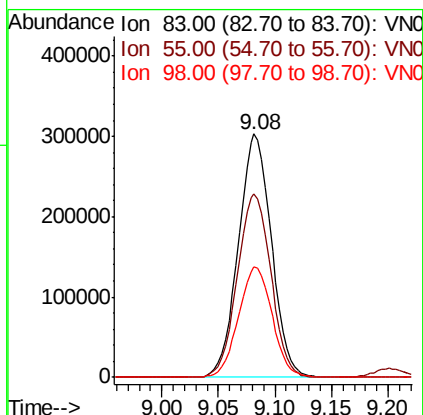
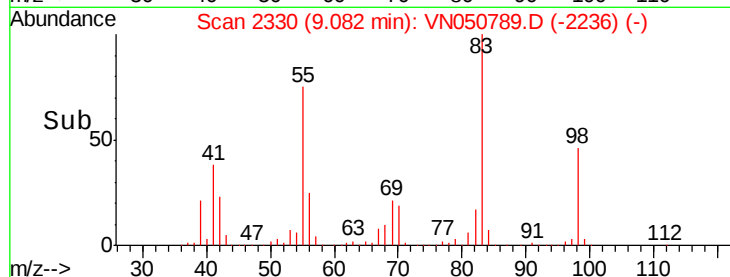
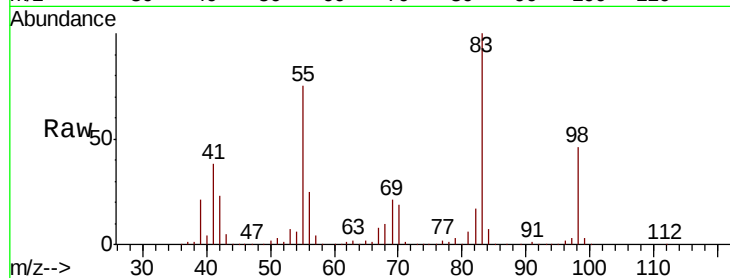




#39
Methvlcvclohexane
Concen: 53.892 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

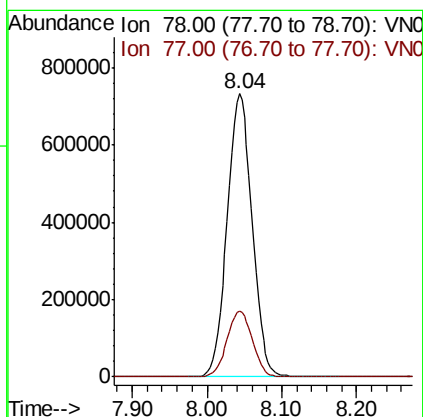
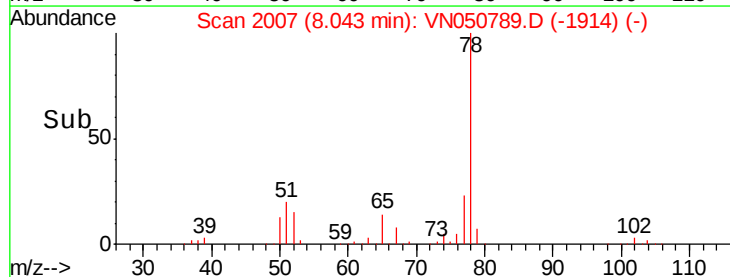
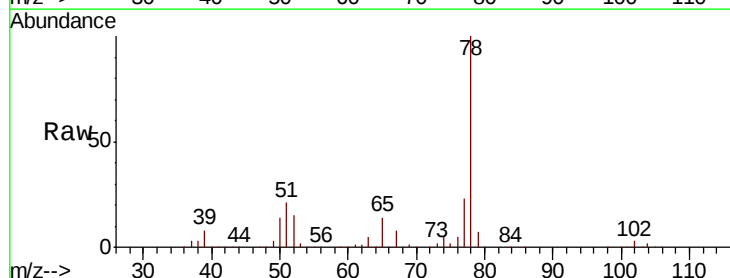
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 616760
Ion Ratio Lower Upper
83 100
55 75.5 61.0 91.4
98 45.5 37.5 56.3



#40
Benzene
Concen: 53.110 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 78 Resp: 1694141
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

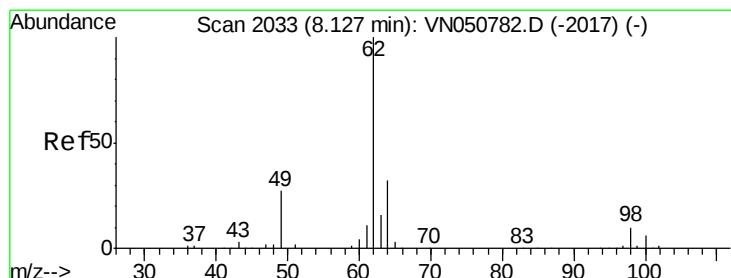
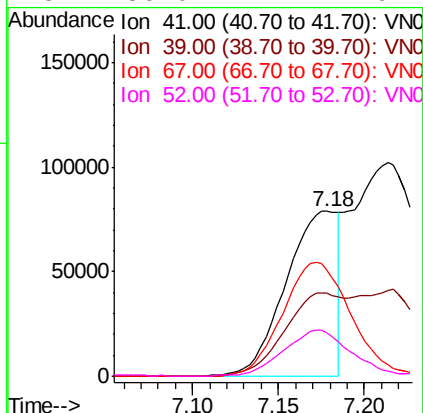
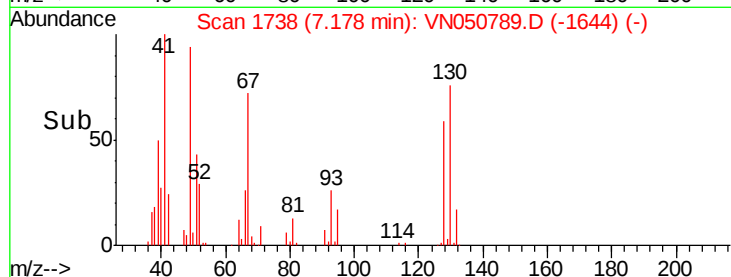
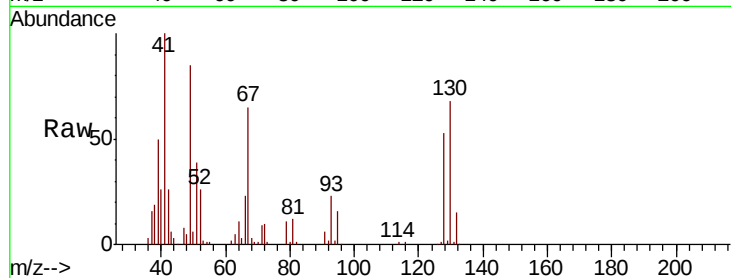




#41
Methacrylonitrile
Concen: 50.163 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

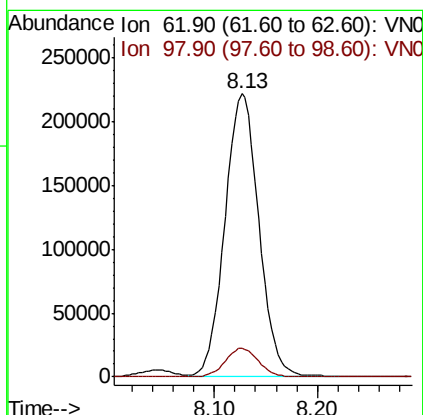
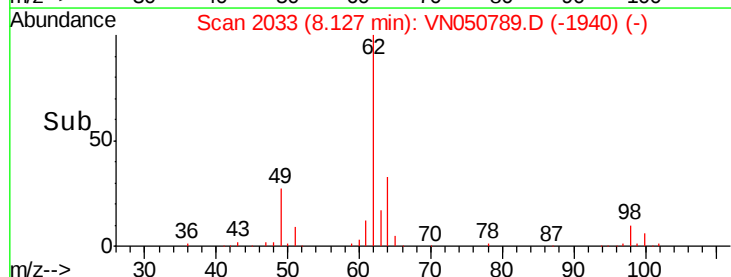
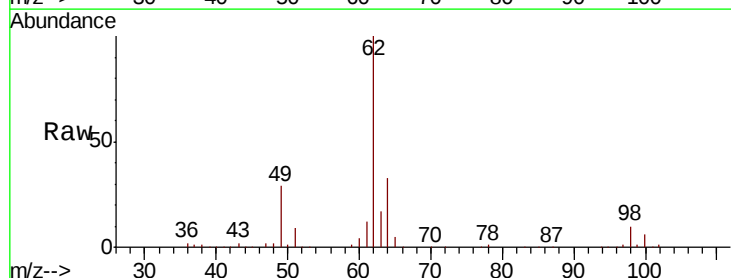
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

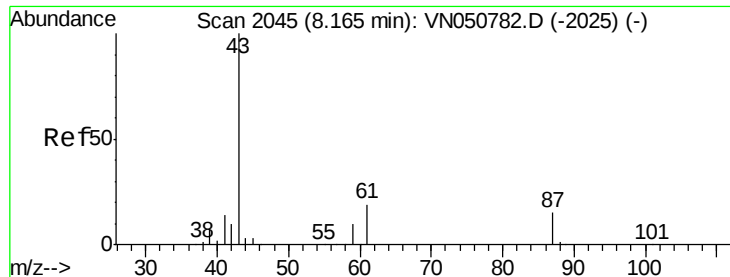
Tot Ion: 41 Resp: 164962
Ion Ratio Lower Upper
41 100
39 55.6 45.4 68.0
67 92.4 70.6 106.0
52 36.0 27.1 40.7



#42
1,2-Dichloroethane
Concen: 53.213 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 62 Resp: 507501
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6





#43

Isopropyl Acetate

Concen: 54.360 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

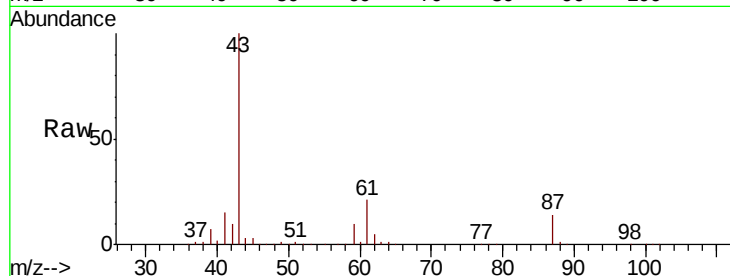
Tot Ion: 43 Resp: 567949

Ion Ratio Lower Upper

43 100

61 21.8 17.5 26.3

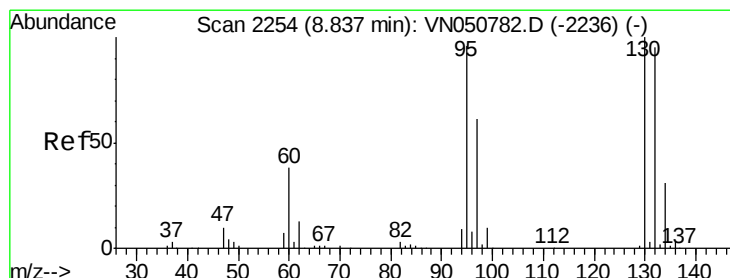
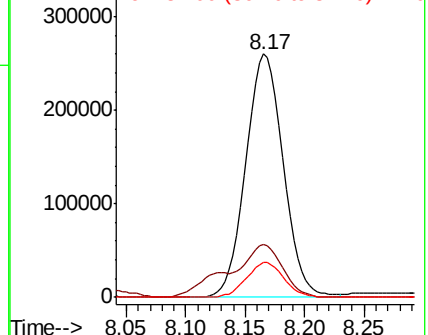
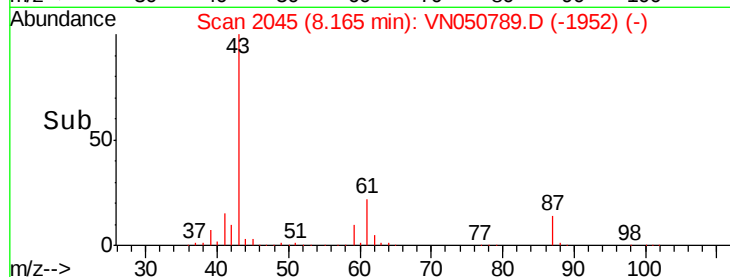
87 14.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050789.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050789.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050789.D (-1952) (-)



#44

Trichloroethene

Concen: 51.888 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050789.D

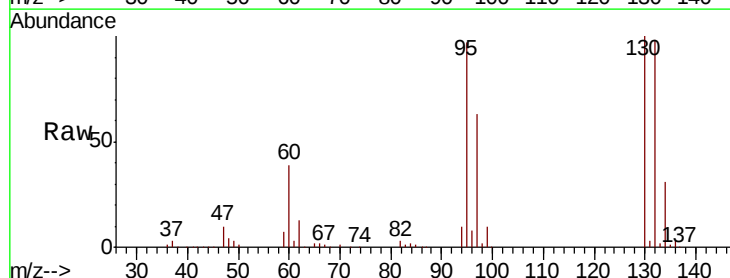
Acq: 21 Aug 2018 18:30

Tgt Ion: 130 Resp: 436527

Ion Ratio Lower Upper

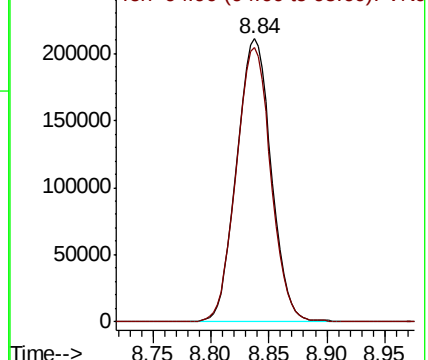
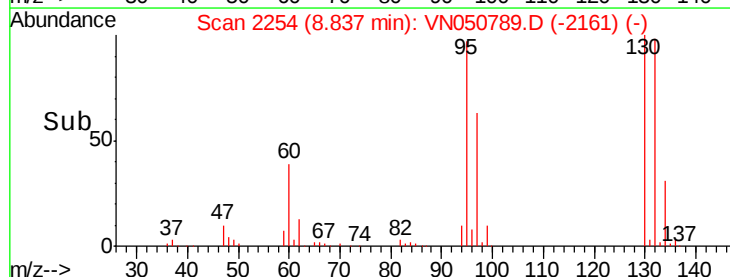
130 100

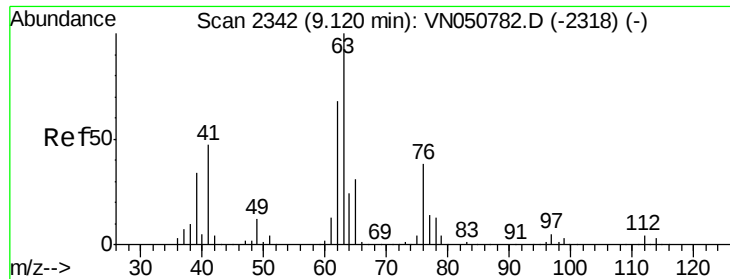
95 97.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050789.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050789.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 53.081 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

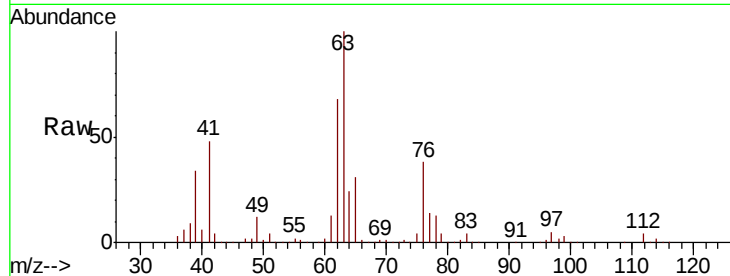
VSTDCCC050

Tot Ion: 63 Resp: 445021

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN050789.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN050789.D (-2249) (-)

9.12

250000

200000

150000

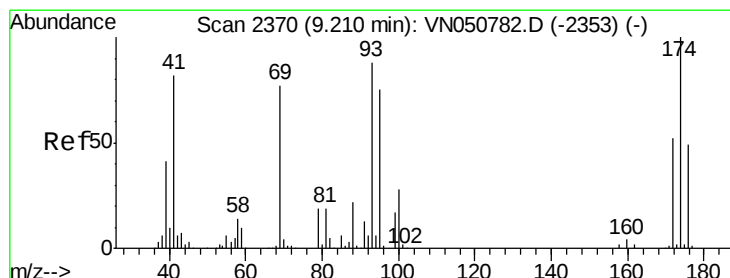
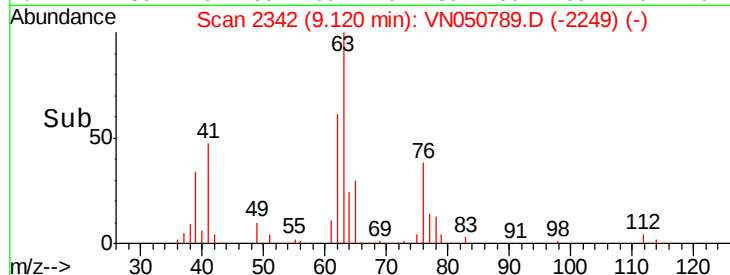
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 53.081 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

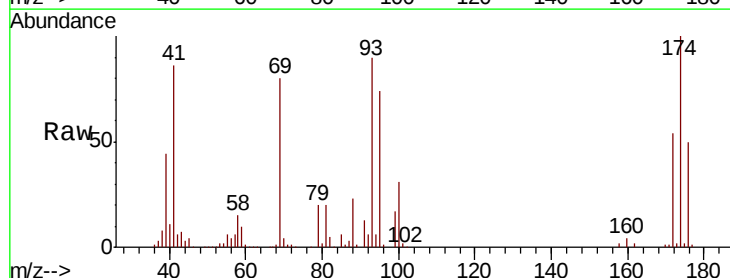
Tgt Ion: 93 Resp: 261481

Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

174 112.0 89.8 134.6



Abundance Ion 92.80 (92.50 to 93.50): VN050789.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN050789.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN050789.D (-2277) (-)

9.21

150000

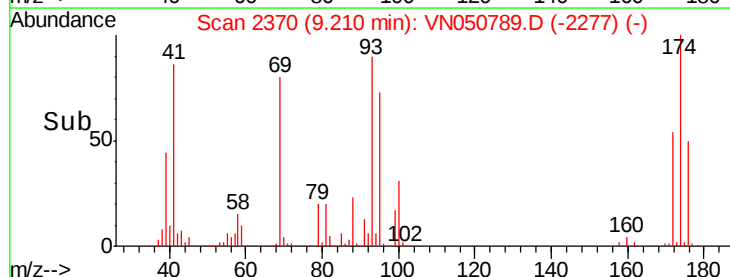
100000

50000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 53.691 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

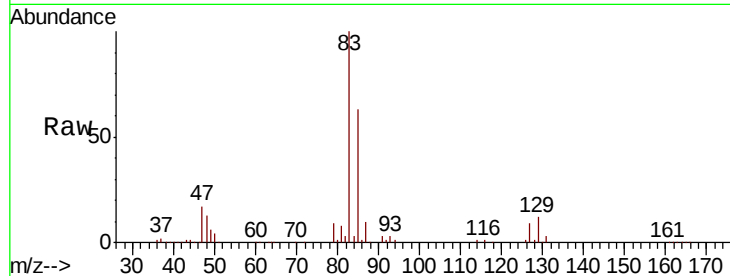
Tot Ion: 83 Resp: 553965

Ion Ratio Lower Upper

83 100

85 63.3 52.6 78.8

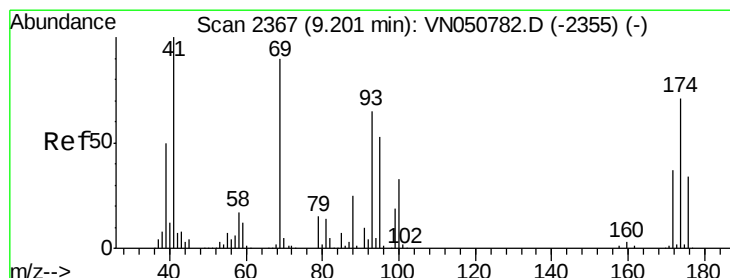
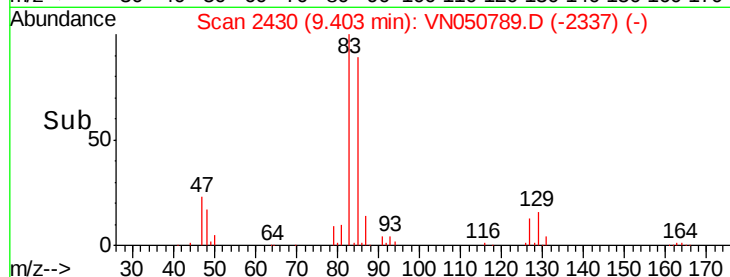
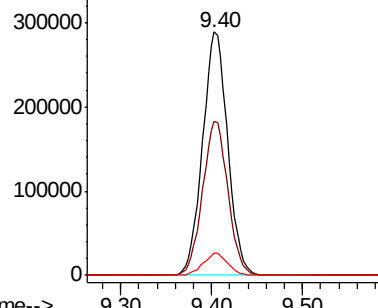
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050789.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050789.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050789.D (-2337) (-)



#48

Methyl methacrylate

Concen: 55.876 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

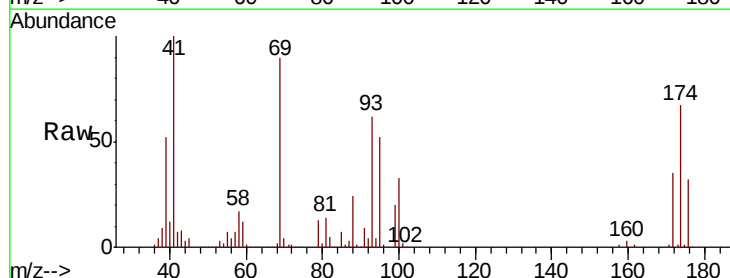
Tgt Ion: 41 Resp: 297519

Ion Ratio Lower Upper

41 100

69 91.9 74.7 112.1

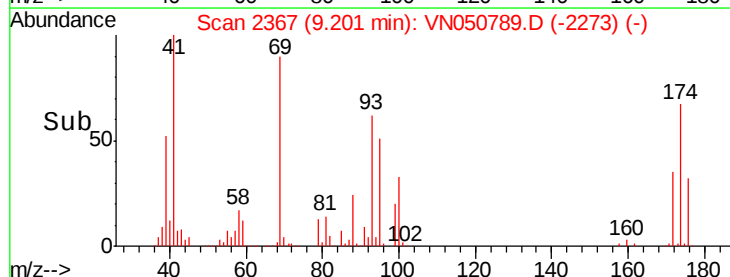
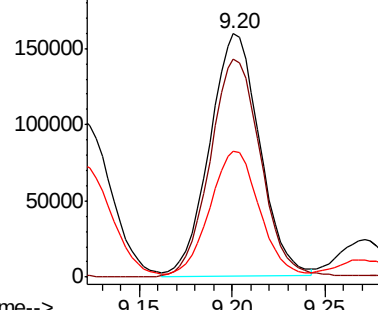
39 51.6 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VN050789.D (-2273) (-)

Ion 69.00 (68.70 to 69.70): VN050789.D (-2273) (-)

Ion 39.00 (38.70 to 39.70): VN050789.D (-2273) (-)

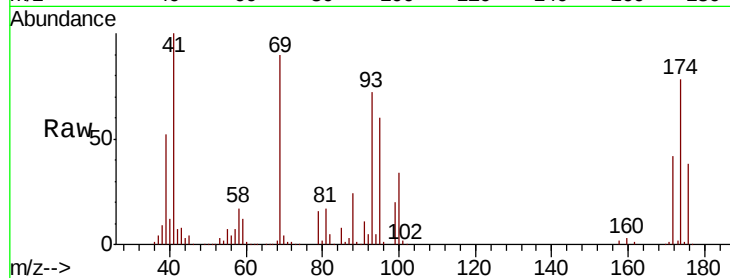




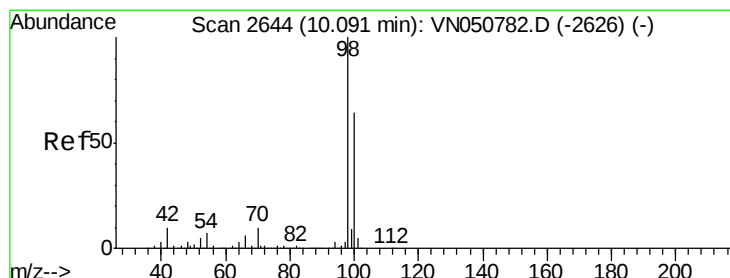
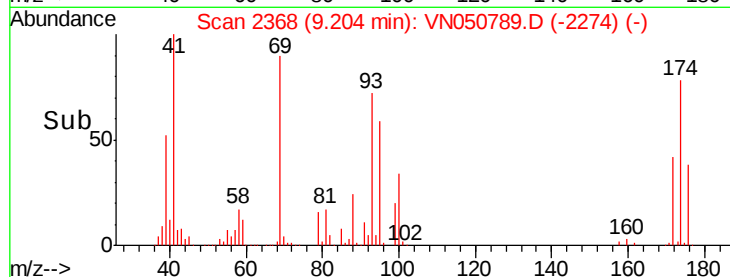
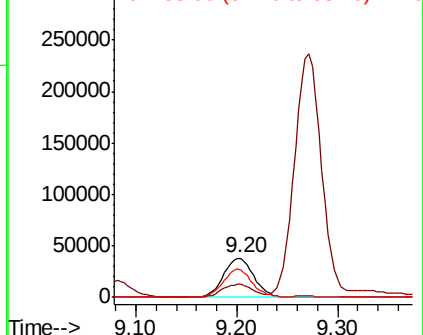
#49
 1,4-Dioxane
 Concen: 1111.143 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 80655
 Ion Ratio Lower Upper
 88 100
 43 32.7 25.9 38.9
 58 68.3 55.0 82.4

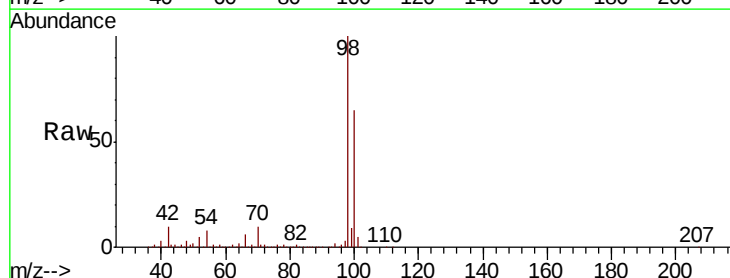


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

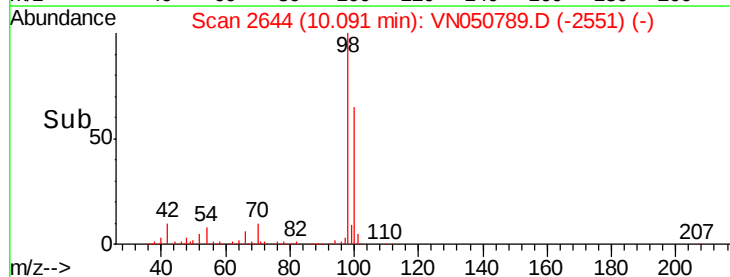
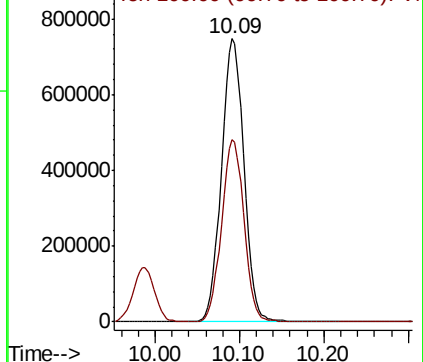


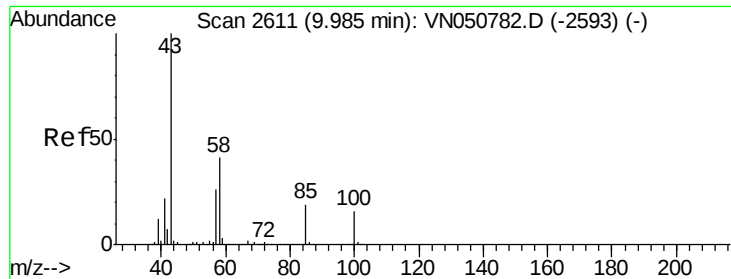
#50
 Toluene-d8
 Concen: 51.920 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion: 98 Resp: 1384364
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.5 77.3



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

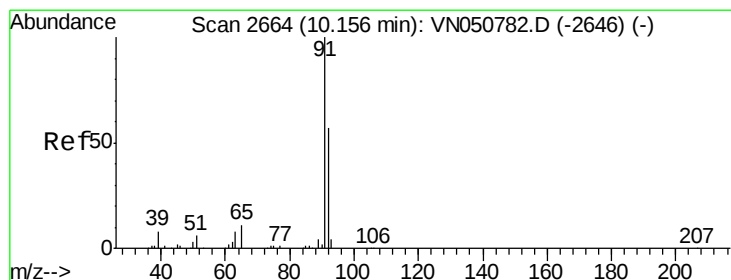
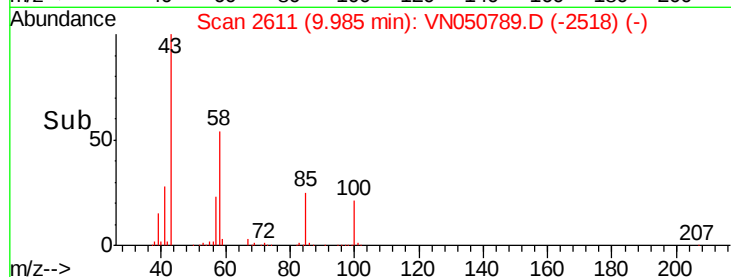
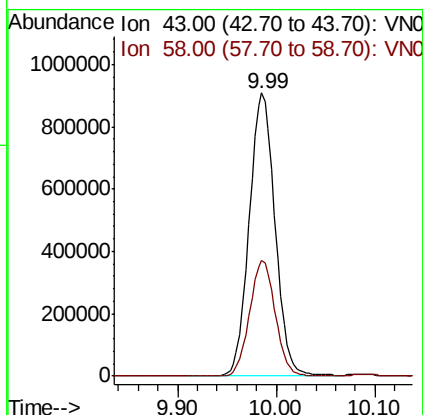
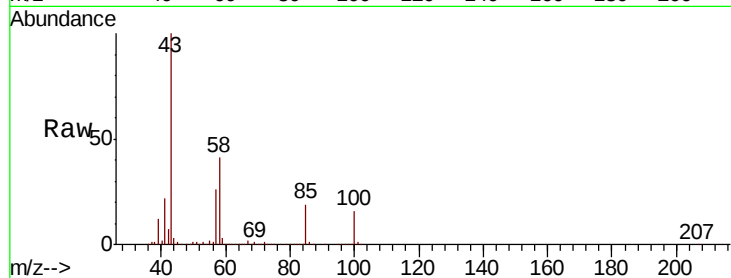




#51
 4-Methyl-2-Pentanone
 Concen: 261.578 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

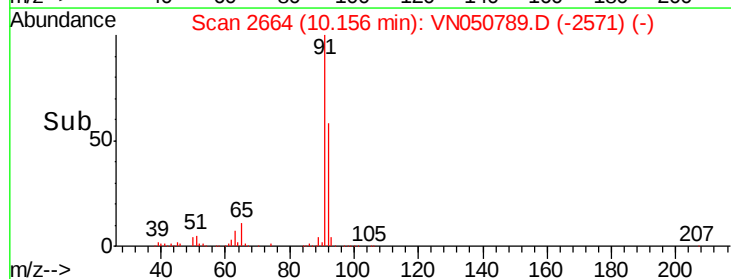
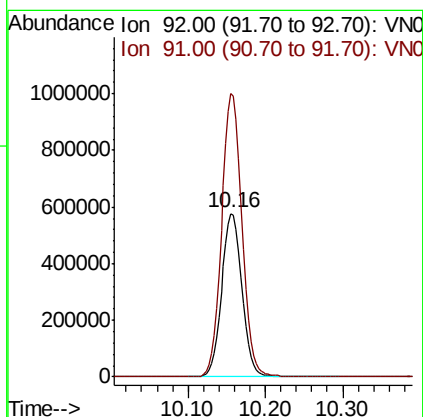
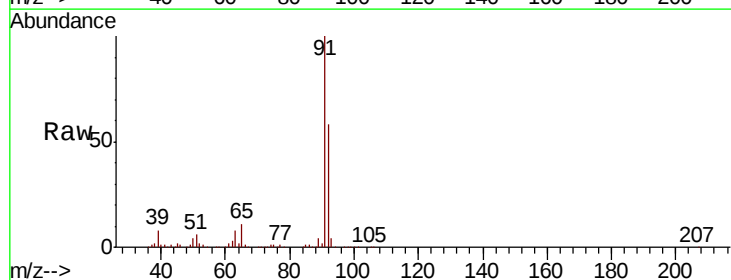
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

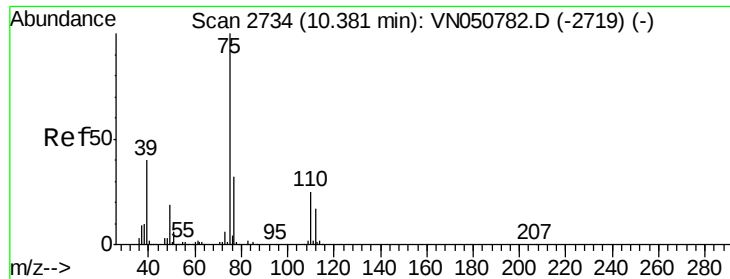
Tot Ion: 43 Resp: 1630895
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.4 48.6



#52
 Toluene
 Concen: 55.729 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion: 92 Resp: 1053099
 Ion Ratio Lower Upper
 92 100
 91 173.7 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 53.347 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

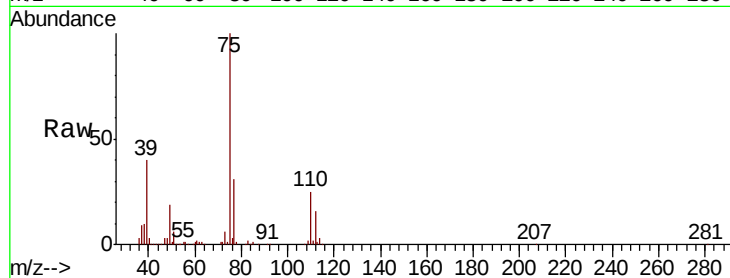
VSTDCCC050

Tot Ion: 75 Resp: 547858

Ion Ratio Lower Upper

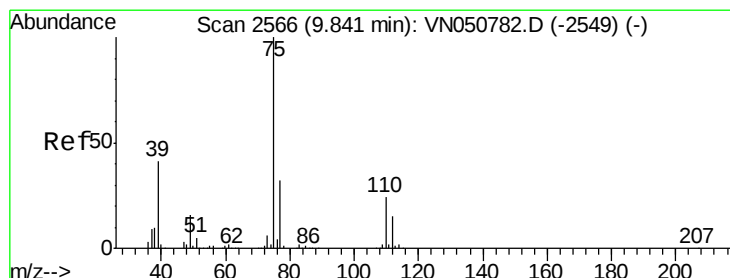
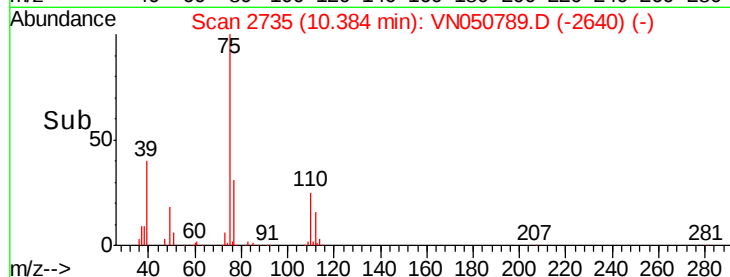
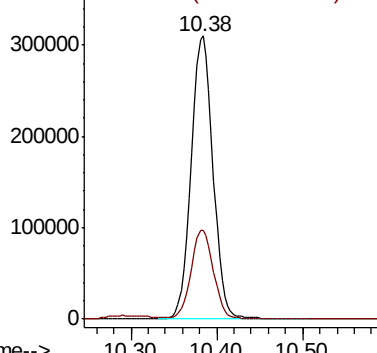
75 100

77 31.3 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.659 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

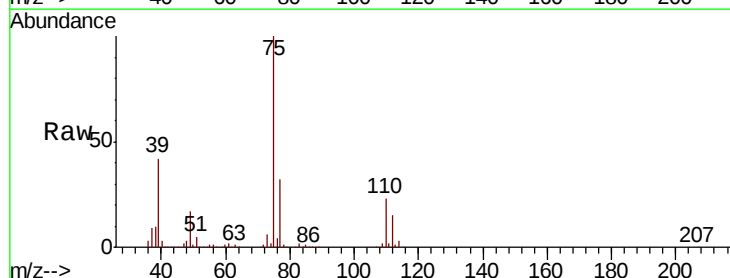
Tgt Ion: 75 Resp: 642793

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

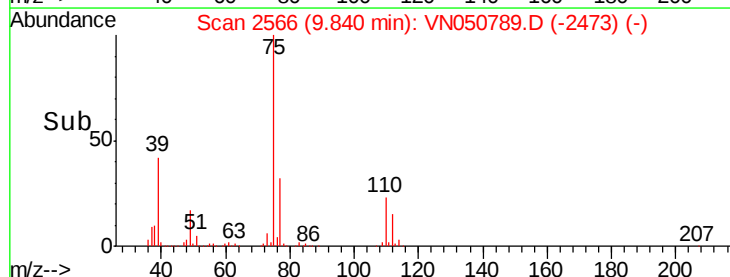
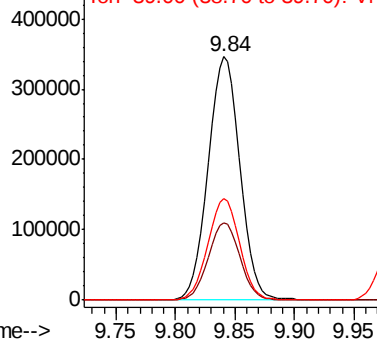
39 41.9 33.0 49.4

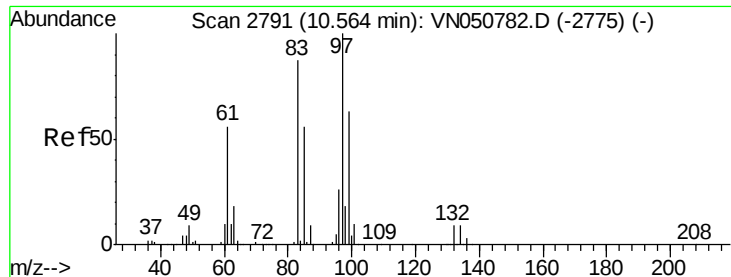


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.196 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 373093

Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.7	104.5
85	56.0	44.5	66.7
99	63.1	50.7	76.1

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

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

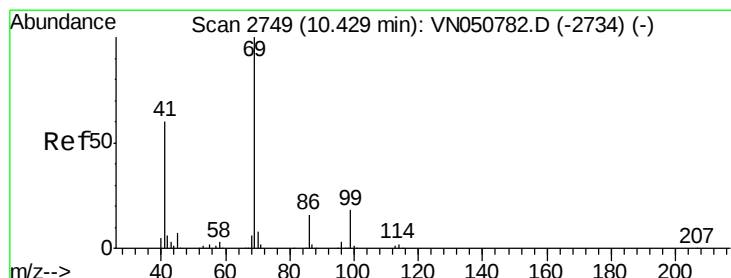
50000

0

10.50 10.55 10.60

Time-->

10.56



#56

Ethyl methacrylate

Concen: 49.588 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Tgt Ion: 69 Resp: 452240

Ion	Ratio	Lower	Upper
69	100		
41	61.0	48.3	72.5
39	29.4	24.0	36.0

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

Time-->

10.43

300000

200000

100000

0

10.40 10.45 10.50

Time-->

10.43

300000

200000

100000

0

10.40 10.45 10.50

Time-->

10.43

300000

200000

100000

0

10.40 10.45 10.50

Time-->

10.43

300000

200000

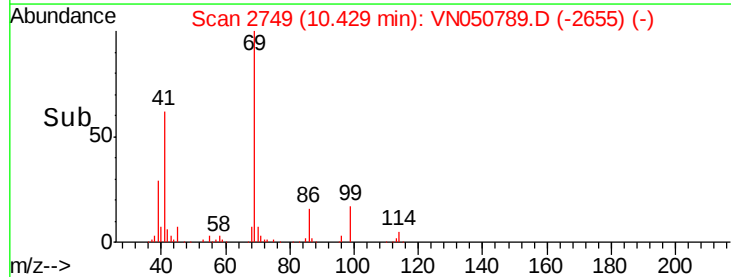
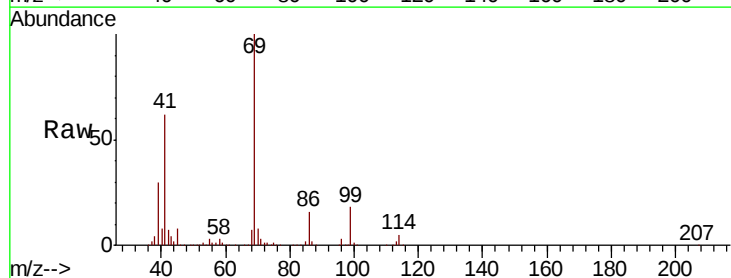
100000

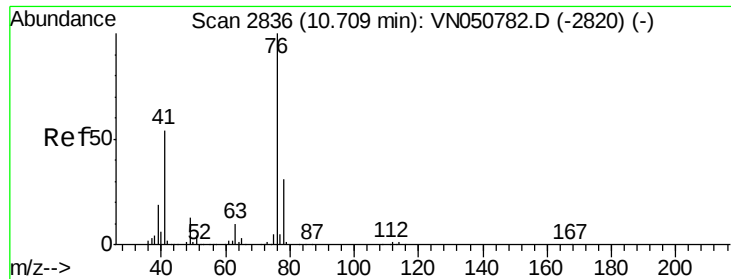
0

10.40 10.45 10.50

Time-->

10.43

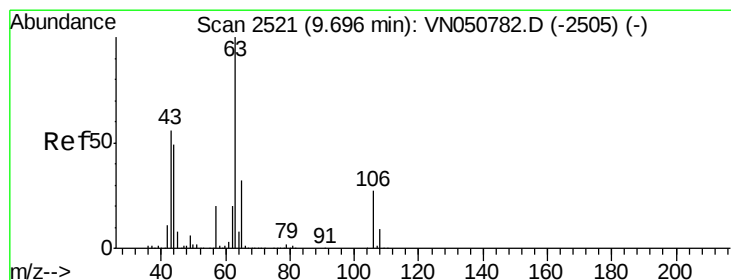
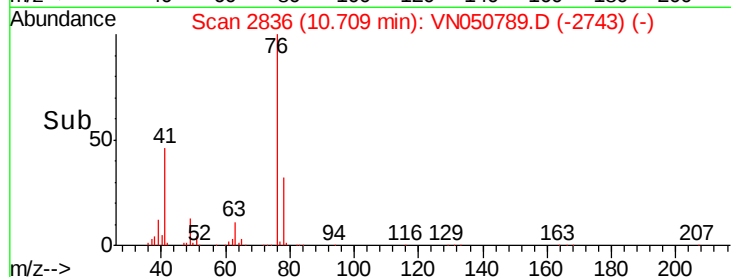
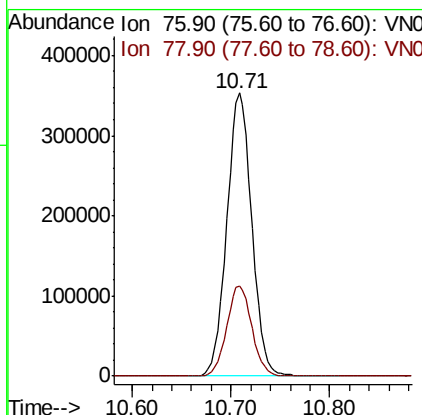
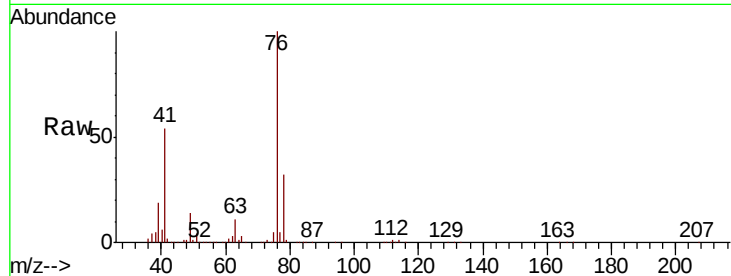




#57
 1,3-Dichloropropane
 Concen: 54.000 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

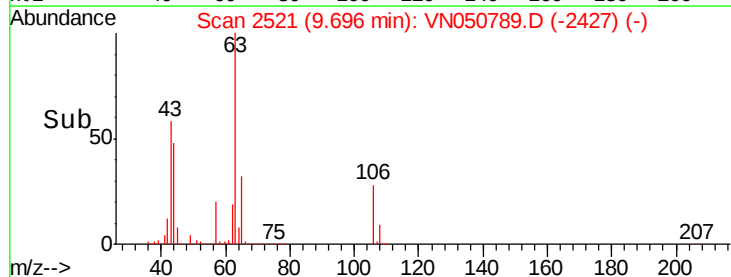
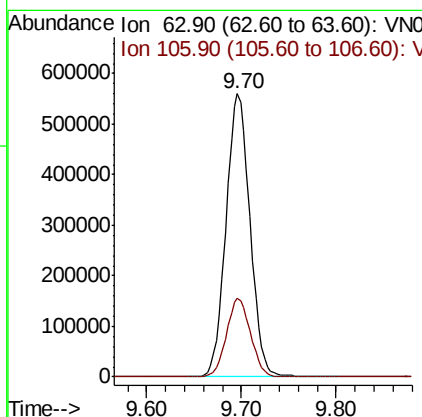
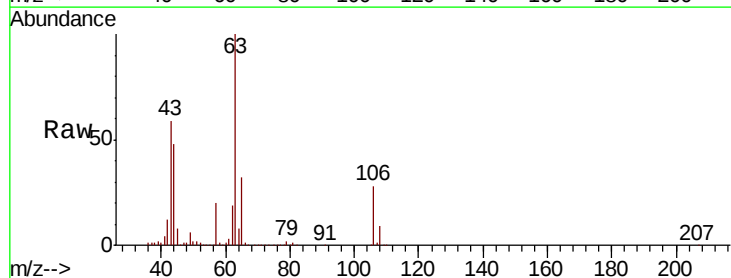
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

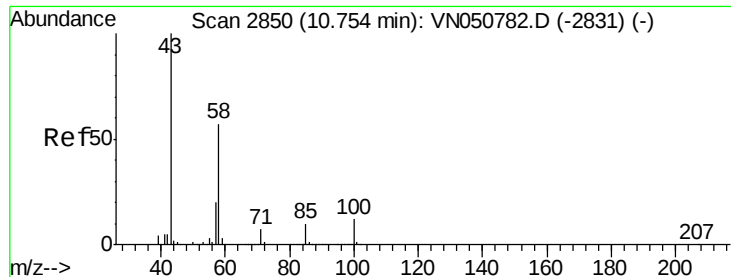
Tot Ion: 76 Resp: 625138
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.903 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion: 63 Resp: 986519
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.9 32.9





#59

2-Hexanone

Concen: 259.597 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

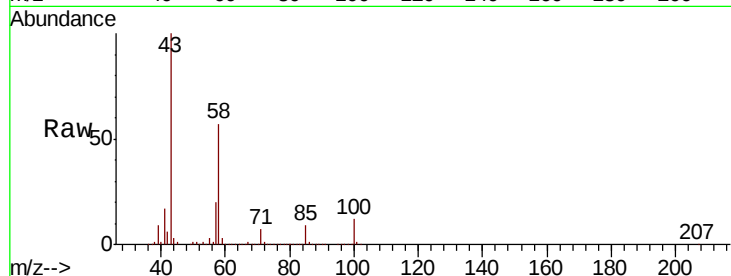
VSTDCCC050

Tot Ion: 43 Resp: 1077501

Ion Ratio Lower Upper

43 100

58 56.7 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN050789.D (-2831) (-)

Ion 58.00 (57.70 to 58.70): VN050789.D (-2831) (-)

10.75

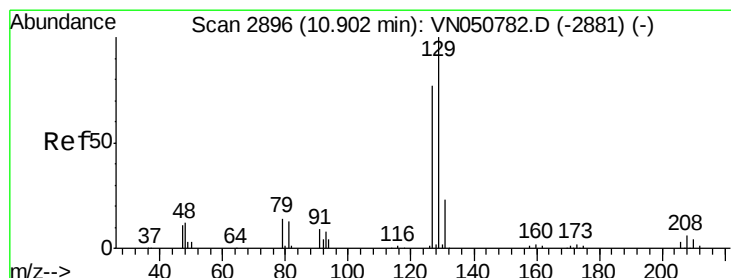
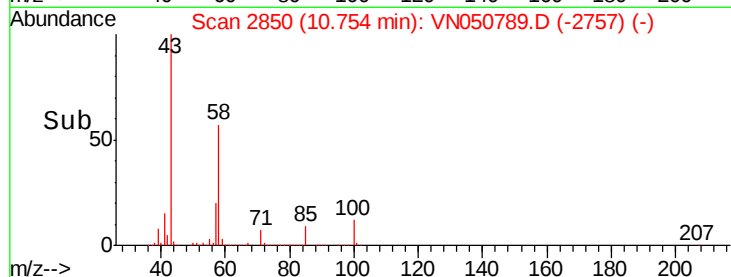
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 53.545 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050789.D

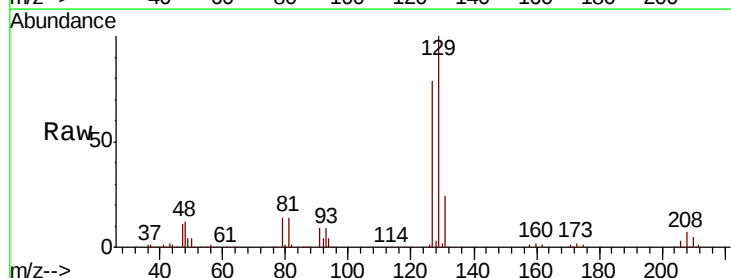
Acq: 21 Aug 2018 18:30

Tgt Ion: 129 Resp: 420479

Ion Ratio Lower Upper

129 100

127 78.3 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VN050789.D (-2881) (-)

Ion 126.80 (126.50 to 127.50): VN050789.D (-2881) (-)

10.90

250000

200000

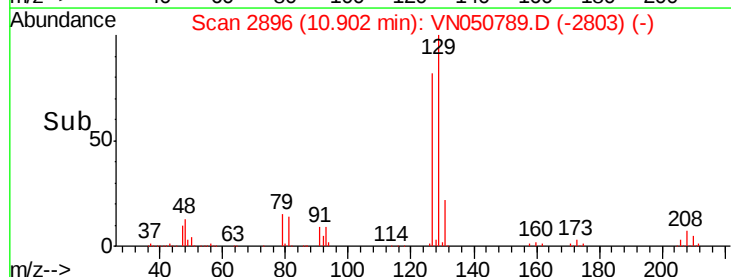
150000

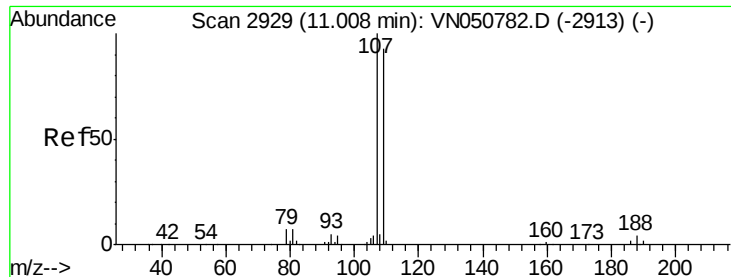
100000

50000

0

Time-->

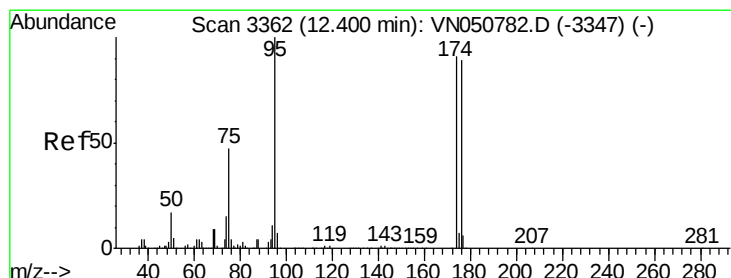
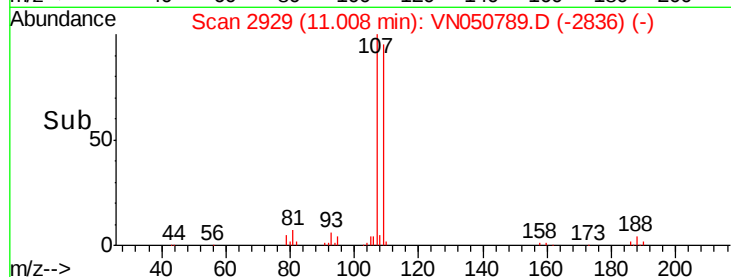
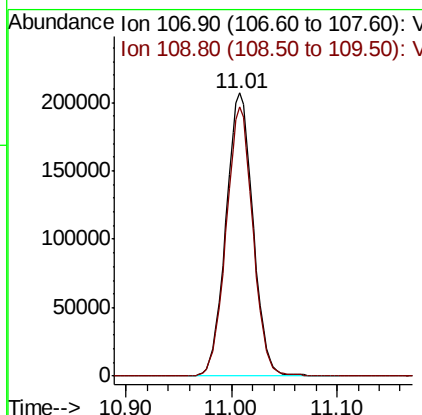
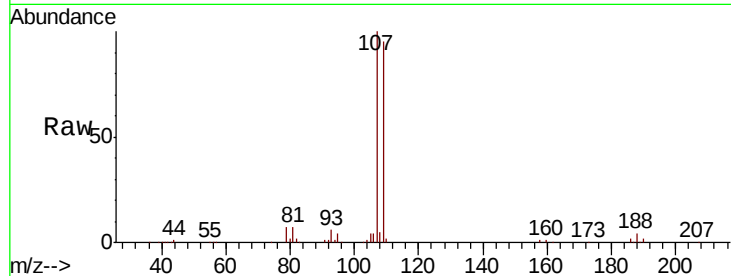




#61
 1,2-Dibromoethane
 Concen: 53.964 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

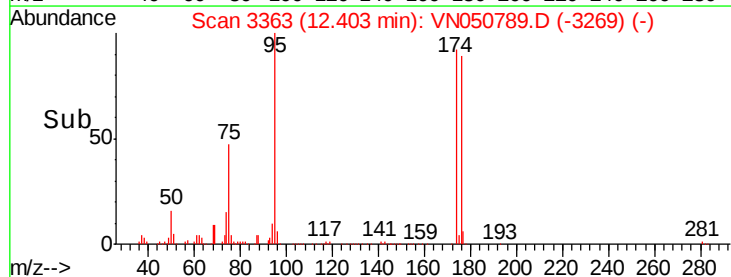
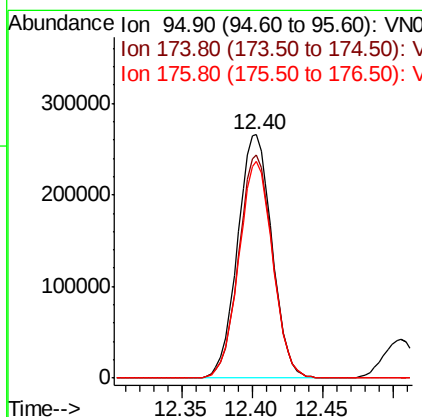
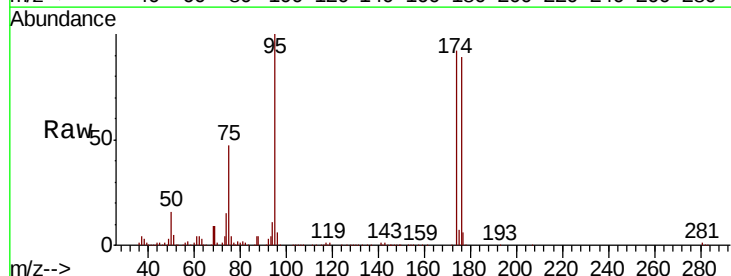
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

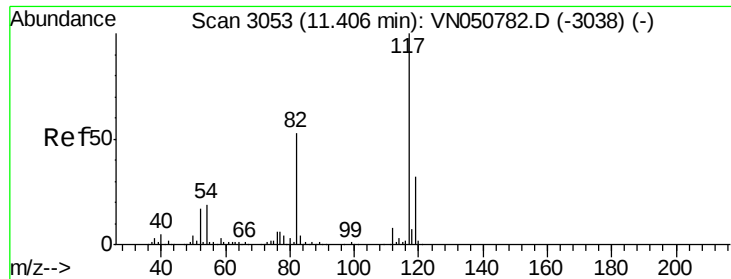
Tot Ion:107 Resp: 365981
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.135 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion: 95 Resp: 453074
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 183.0
 176 87.8 0.0 178.8

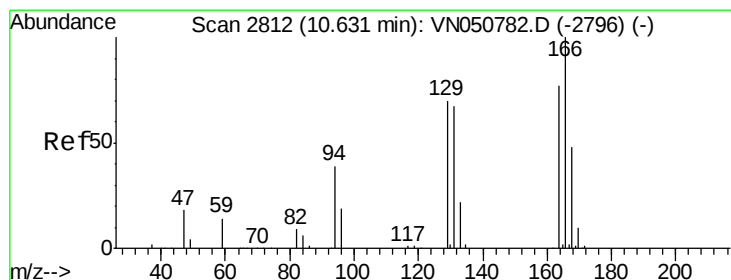
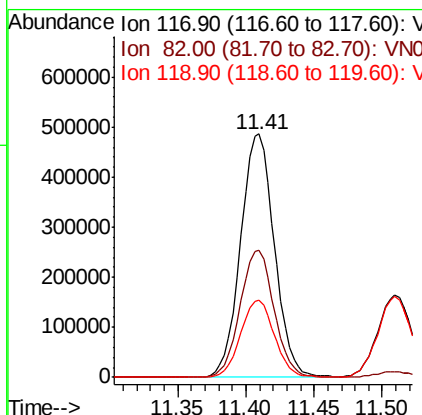
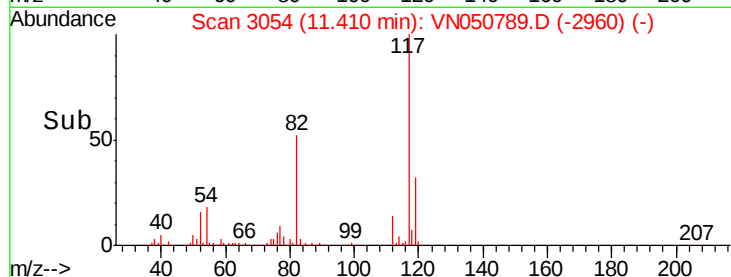
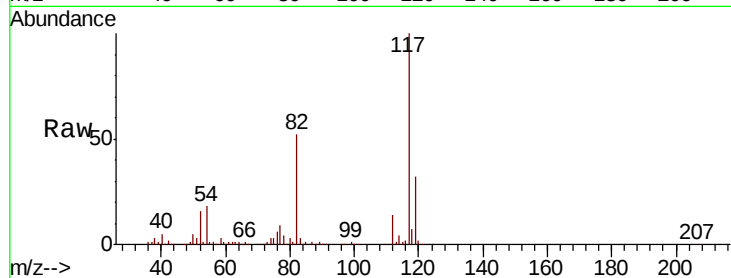




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

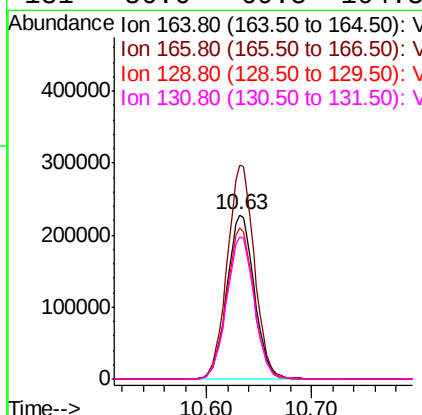
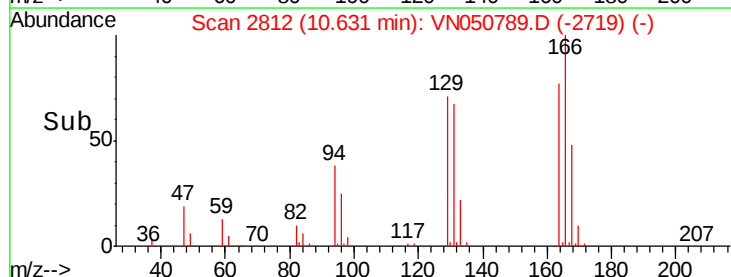
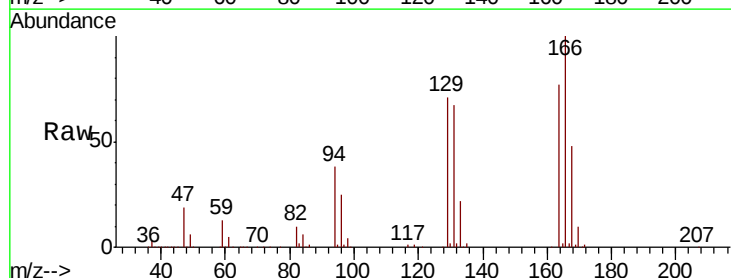
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

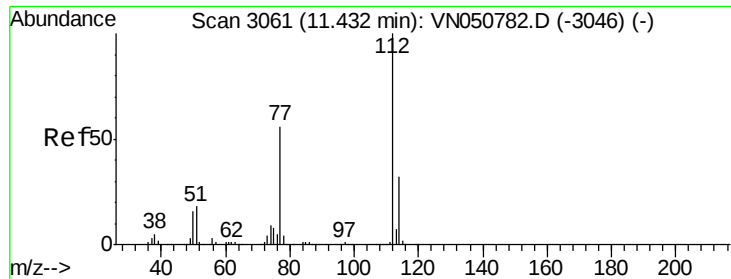
Tot Ion:117 Resp: 837606
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 51.177 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion:164 Resp: 407152
Ion Ratio Lower Upper
164 100
166 129.8 103.5 155.3
129 92.1 72.7 109.1
131 86.6 69.5 104.3





#65

Chlorobenzene

Concen: 51.500 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

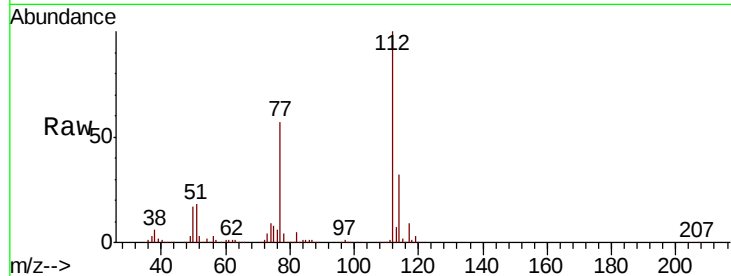
VSTDCCC050

Tot Ion:112 Resp: 1127505

Ion Ratio Lower Upper

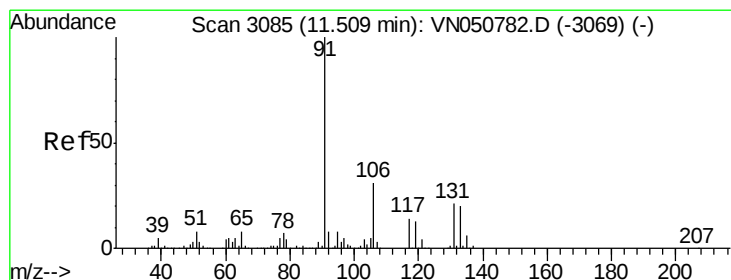
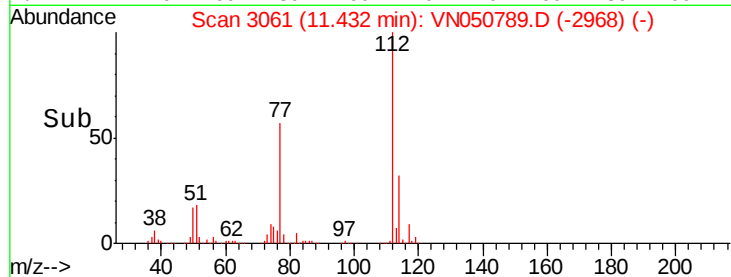
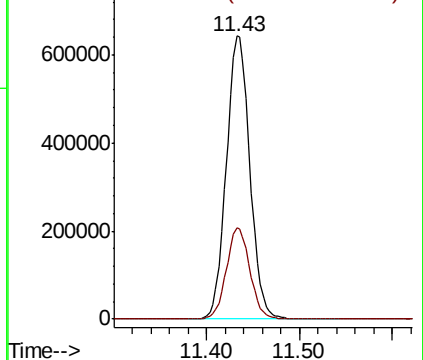
112 100

114 32.1 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.397 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

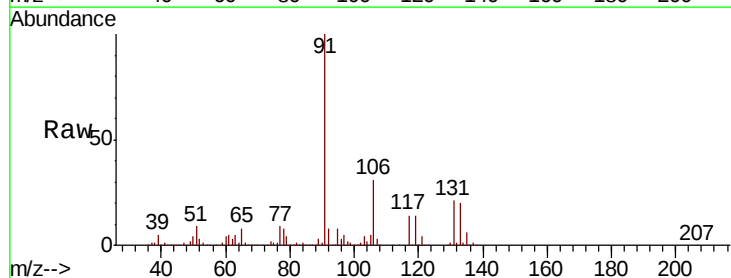
Tgt Ion:131 Resp: 419721

Ion Ratio Lower Upper

131 100

133 95.3 47.4 142.3

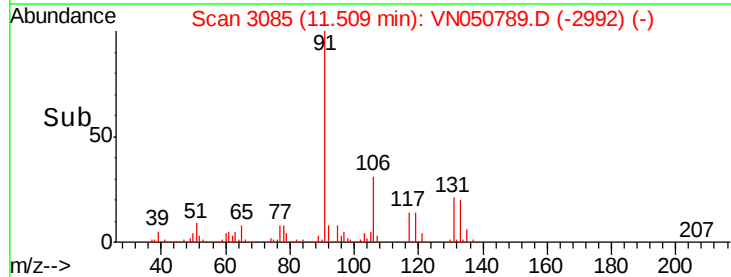
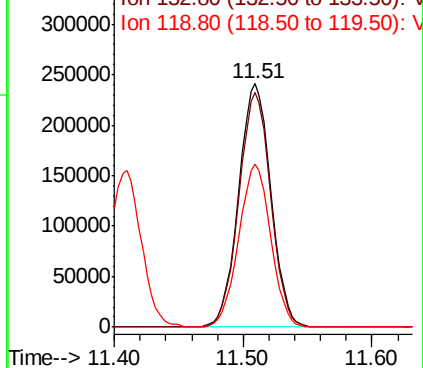
119 66.4 32.8 98.4

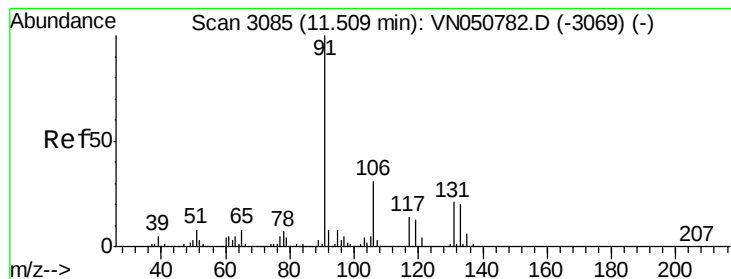


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.658 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

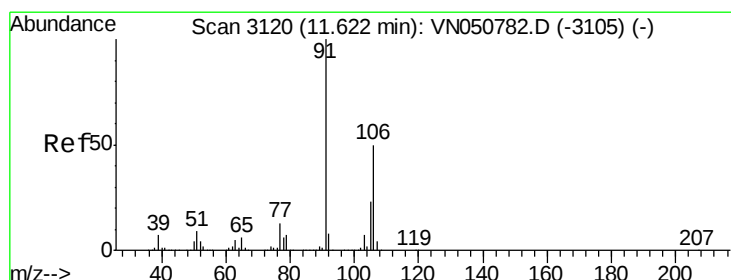
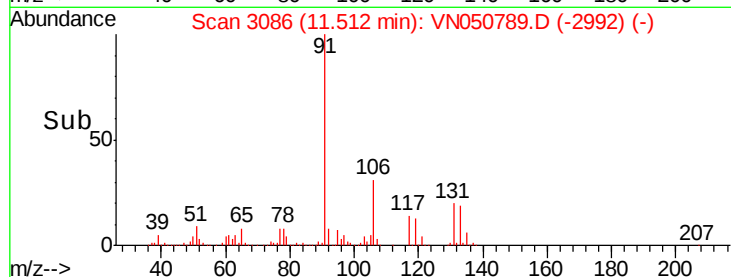
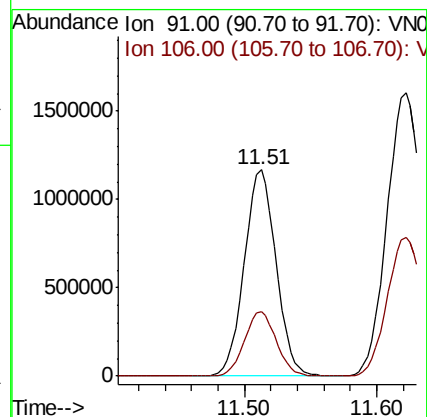
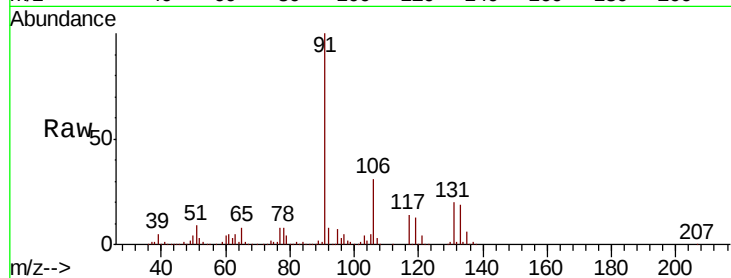
VSTDCCC050

Tot Ion: 91 Resp: 1945404

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 111.523 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050789.D

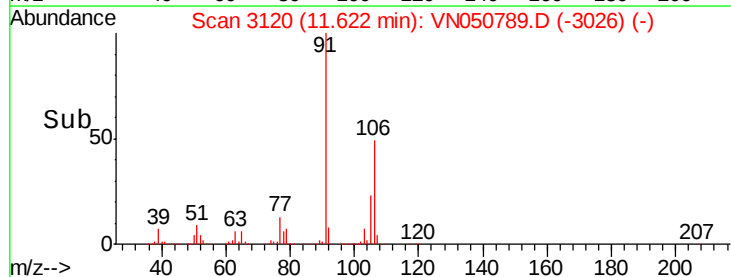
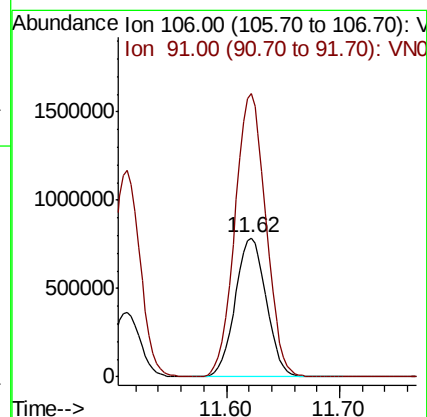
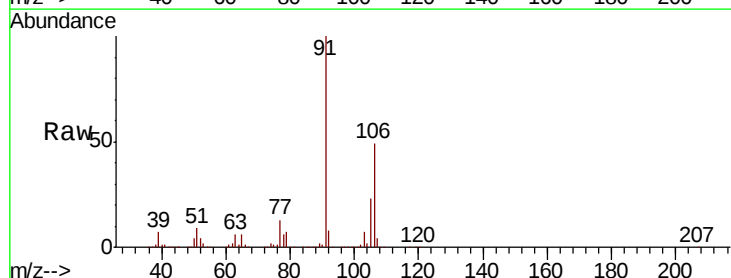
Acq: 21 Aug 2018 18:30

Tgt Ion:106 Resp: 1506674

Ion Ratio Lower Upper

106 100

91 202.5 161.0 241.6

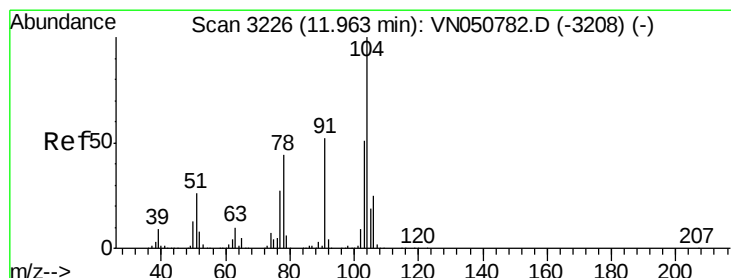
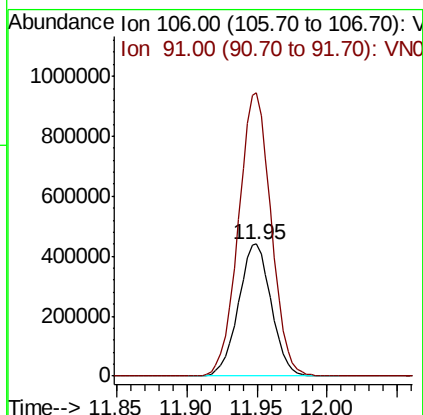
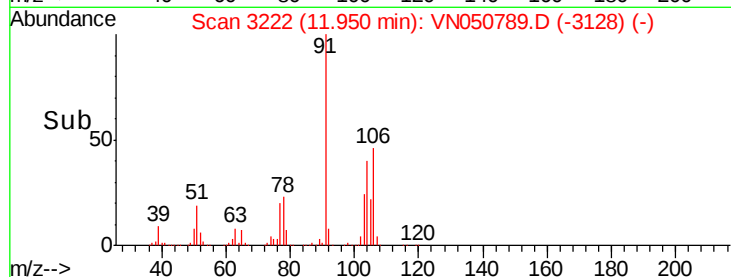
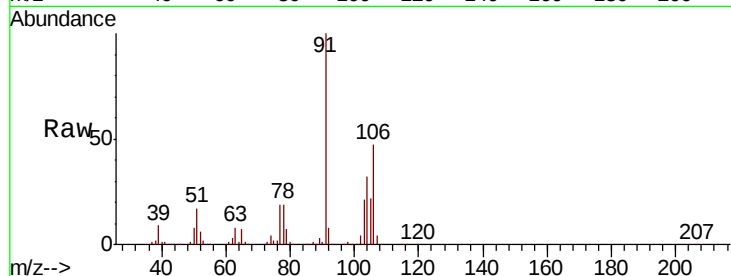




#69
o-Xylene
Concen: 55.262 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

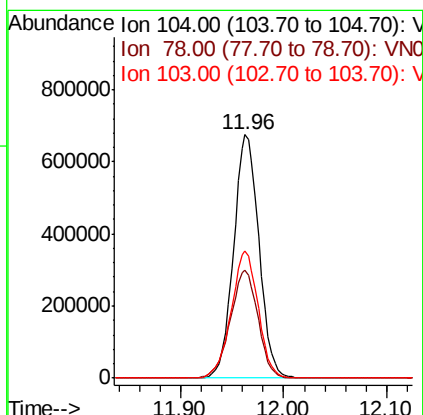
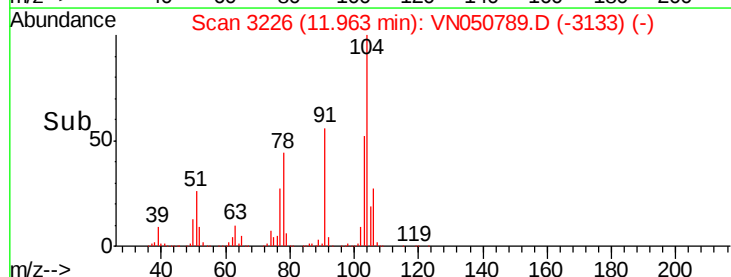
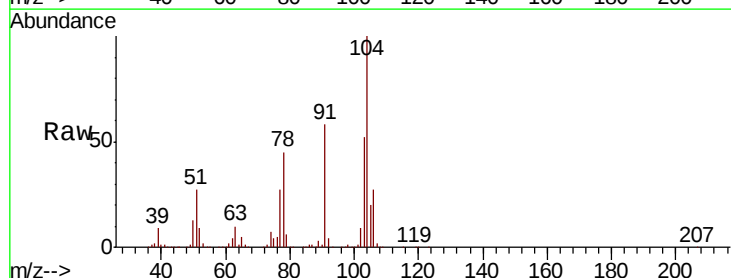
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

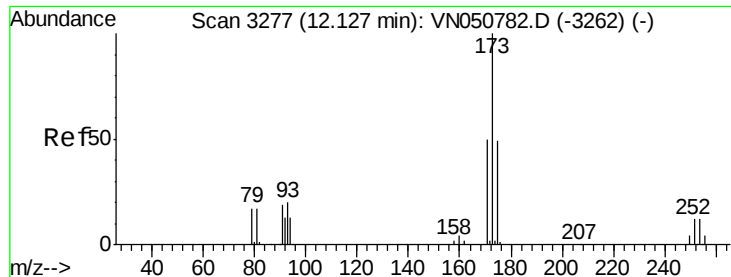
Tot Ion:106 Resp: 717754
Ion Ratio Lower Upper
106 100
91 213.5 106.5 319.5



#70
Styrene
Concen: 50.566 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion:104 Resp: 1157747
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.4
103 55.6 44.4 66.6

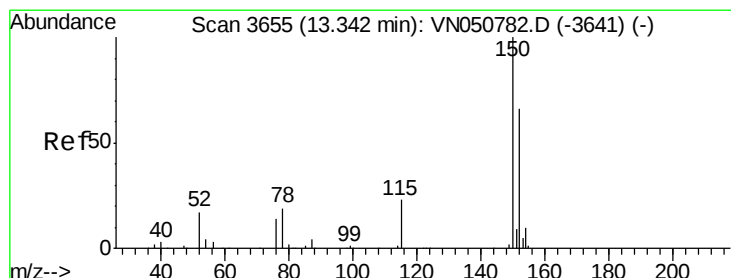
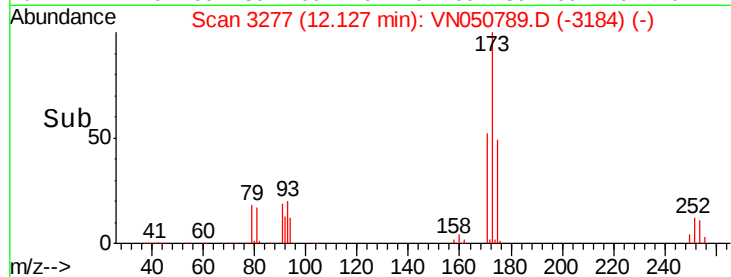
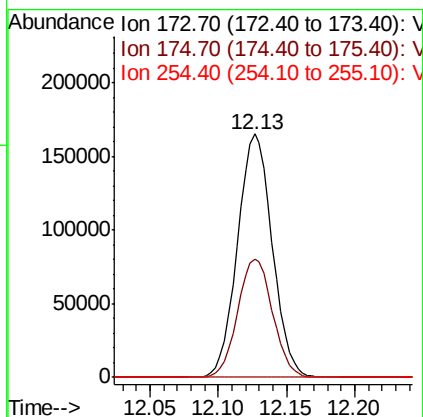
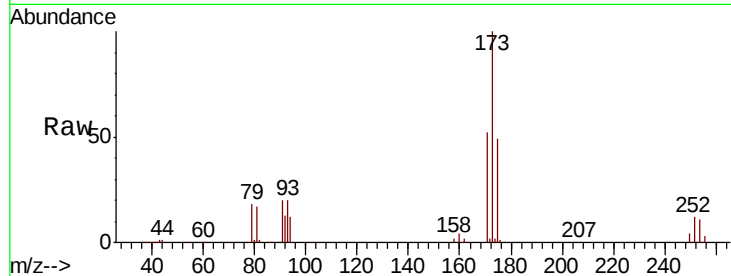




#71
Bromoform
Concen: 52.899 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

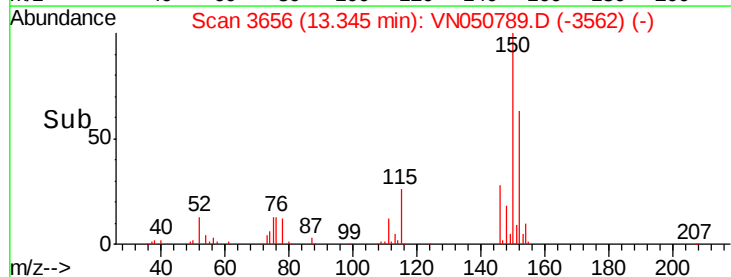
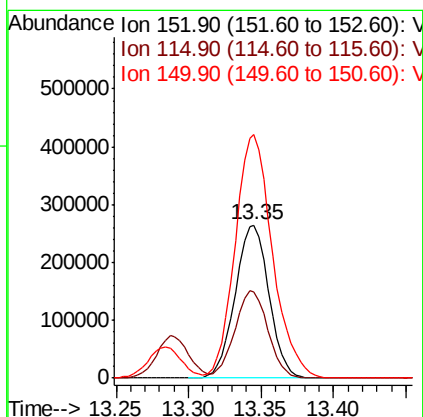
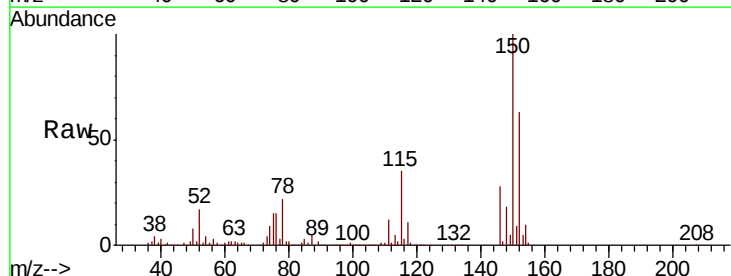
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

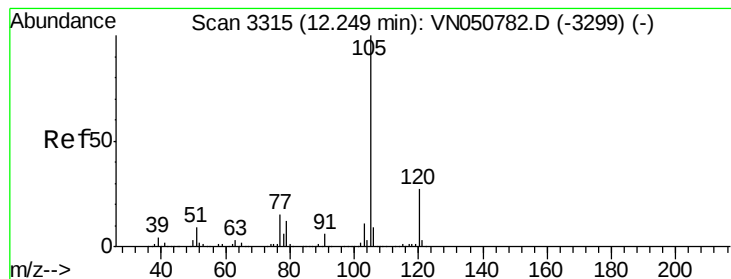
Tot Ion:173 Resp: 291404
Ion Ratio Lower Upper
173 100
175 49.0 24.4 73.4
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion:152 Resp: 427522
Ion Ratio Lower Upper
152 100
115 56.1 27.8 83.4
150 176.2 0.0 351.4





#73

Isopropylbenzene

Concen: 53.911 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

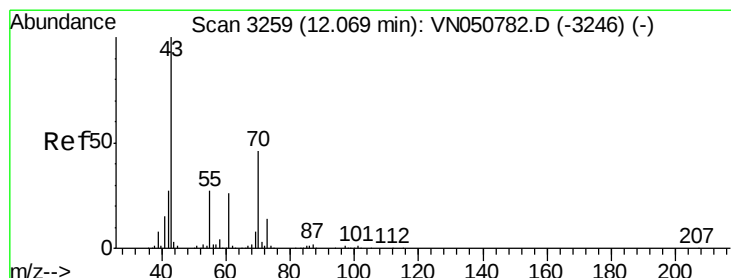
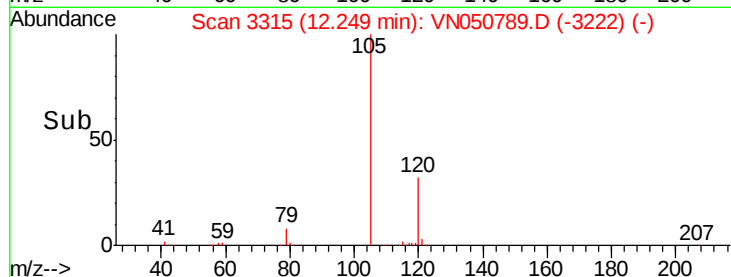
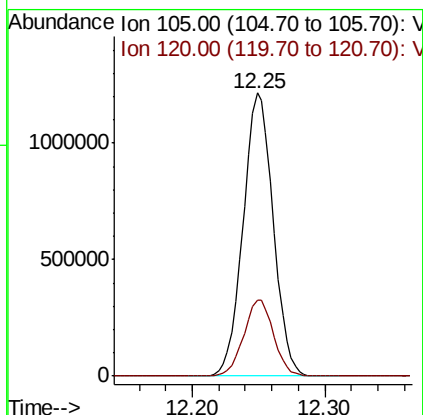
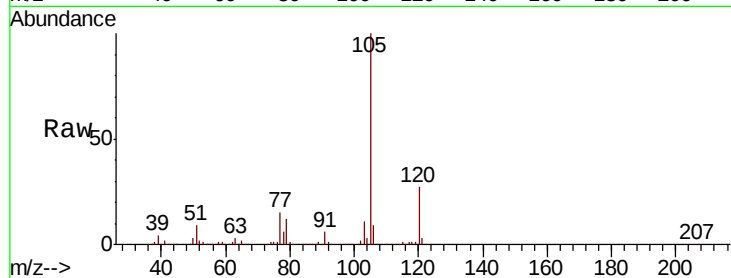
VSTDCCC050

Tot Ion:105 Resp: 1908471

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#74

N-ethyl acetate

Concen: 53.863 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Tgt Ion: 43 Resp: 479105

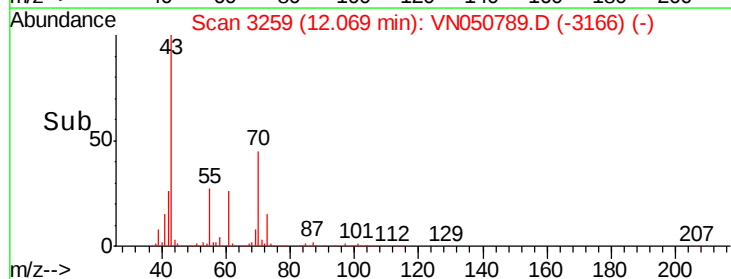
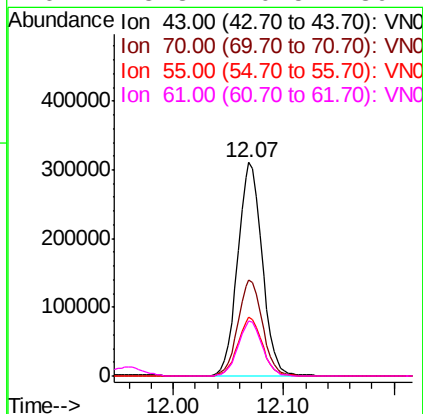
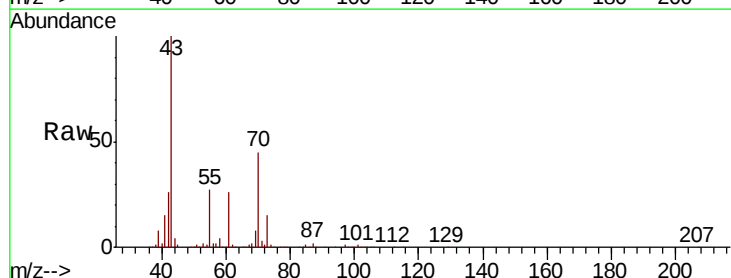
Ion Ratio Lower Upper

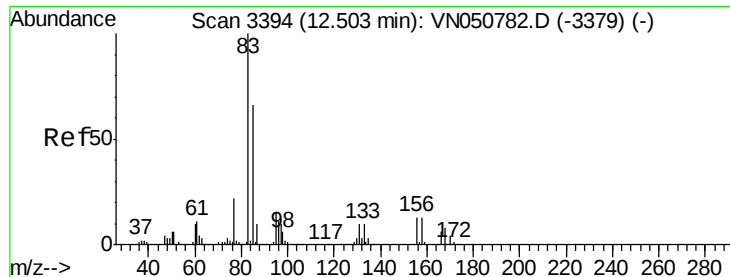
43 100

70 45.0 36.2 54.2

55 27.3 21.8 32.8

61 25.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 54.791 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

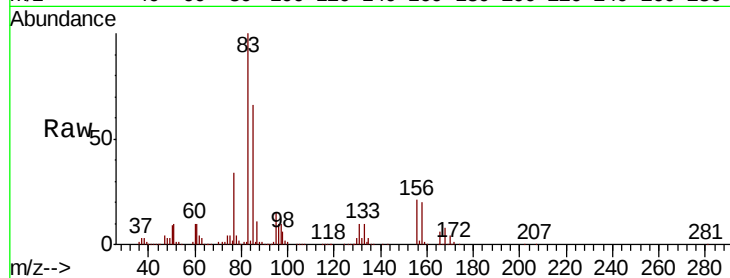
Tot Ion: 83 Resp: 461107

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

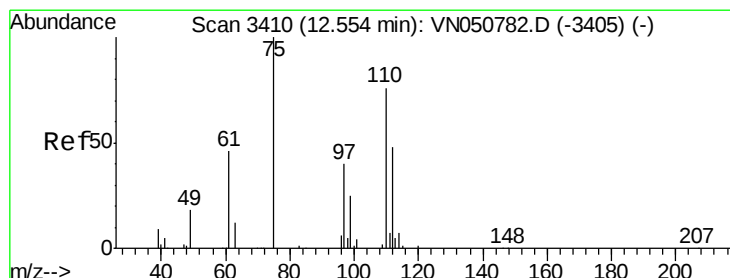
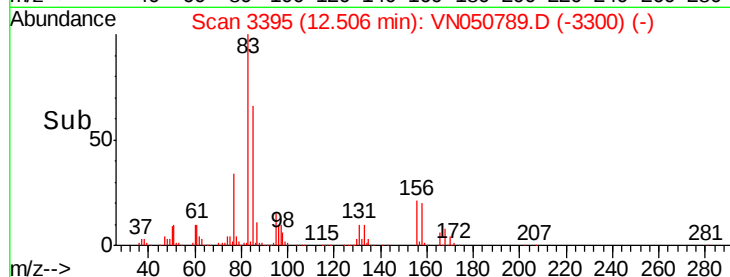
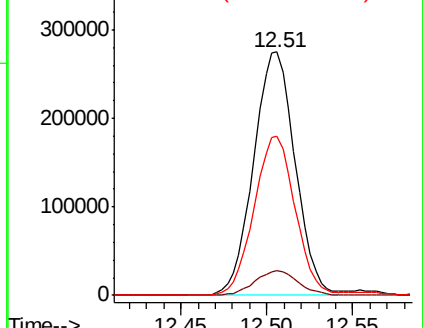
85 64.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 72.567 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050789.D

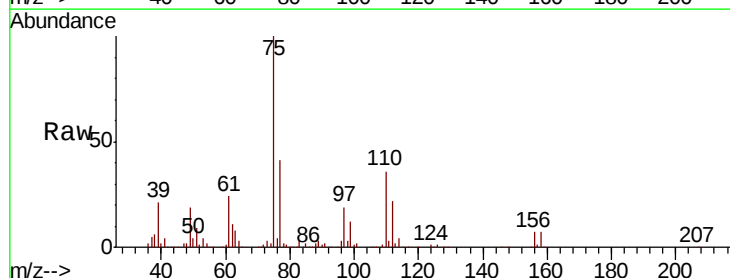
Acq: 21 Aug 2018 18:30

Tgt Ion: 75 Resp: 543389

Ion Ratio Lower Upper

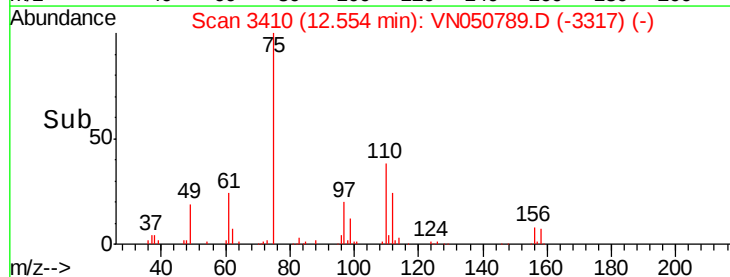
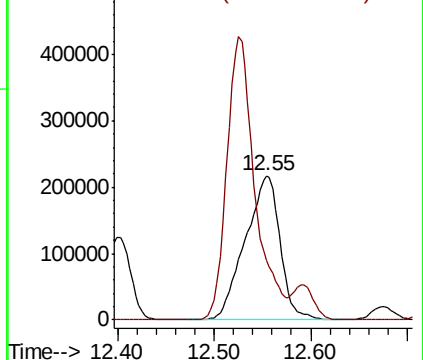
75 100

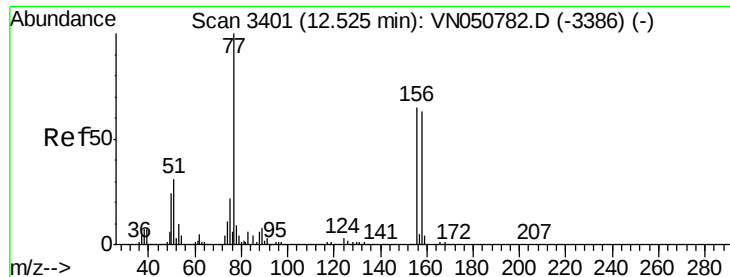
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.659 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

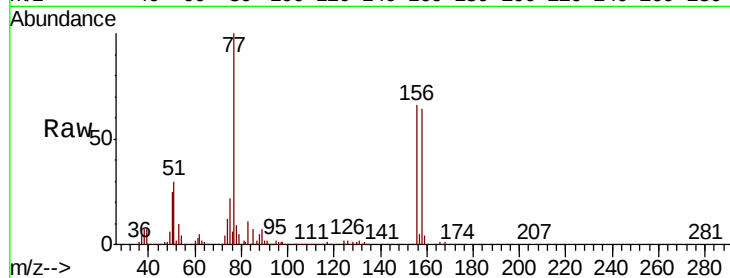
Tot Ion:156 Resp: 487390

Ion Ratio Lower Upper

156 100

77 177.3 89.9 269.7

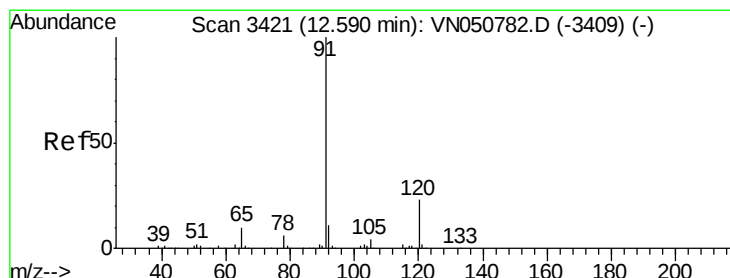
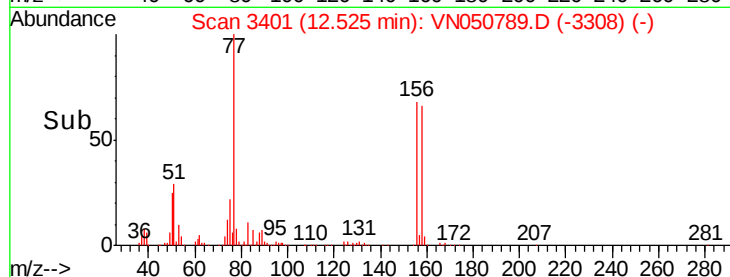
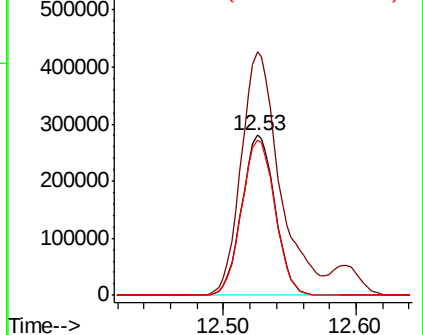
158 97.4 49.3 147.9



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: 54.998 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050789.D

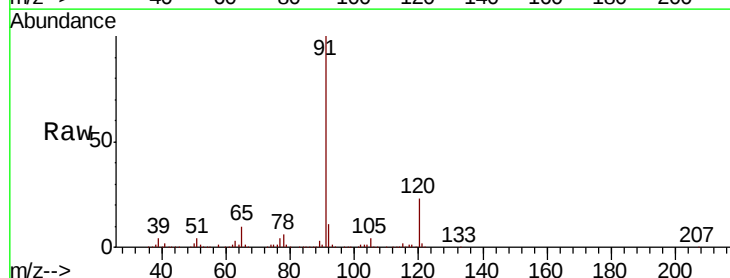
Acq: 21 Aug 2018 18:30

Tgt Ion: 91 Resp: 2174929

Ion Ratio Lower Upper

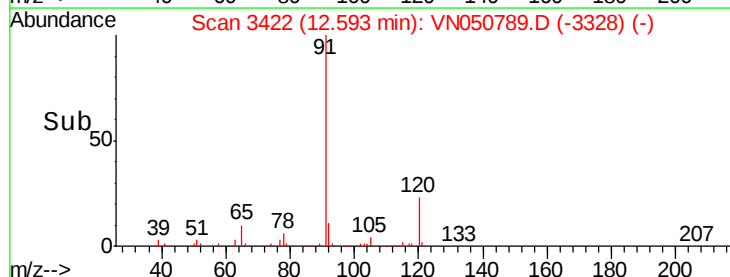
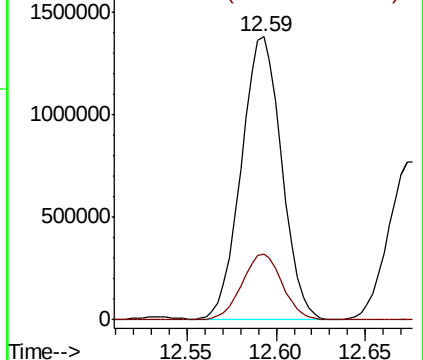
91 100

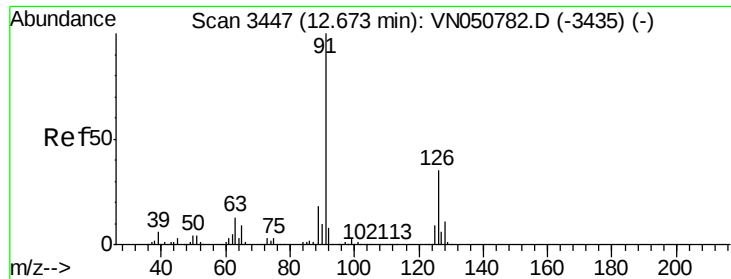
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.310 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

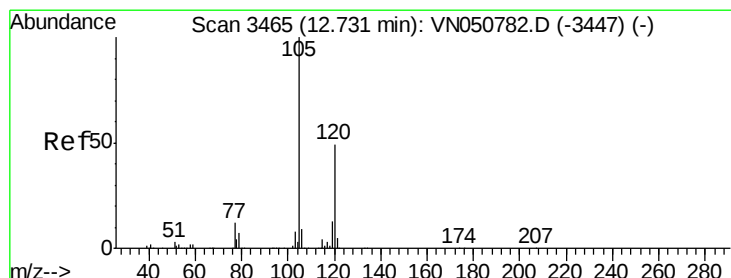
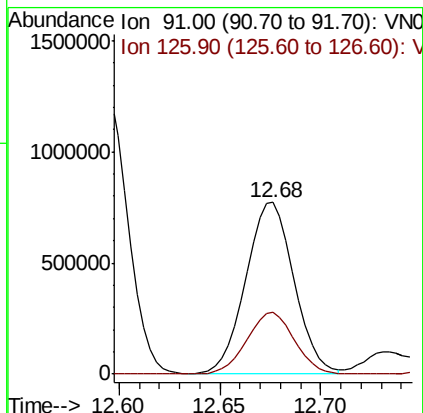
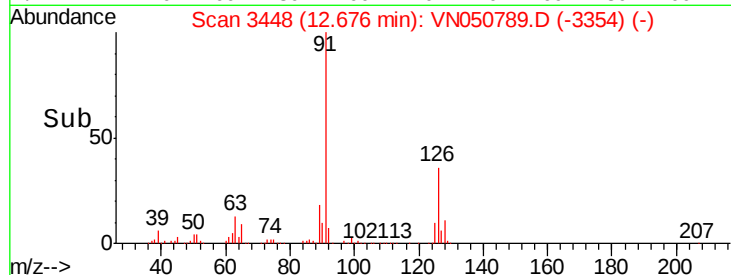
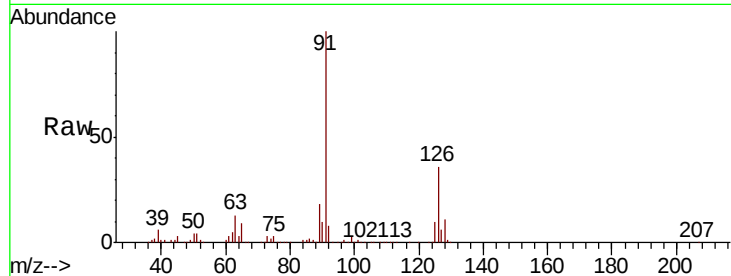
VSTDCCC050

Tot Ion: 91 Resp: 1288532

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 55.235 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050789.D

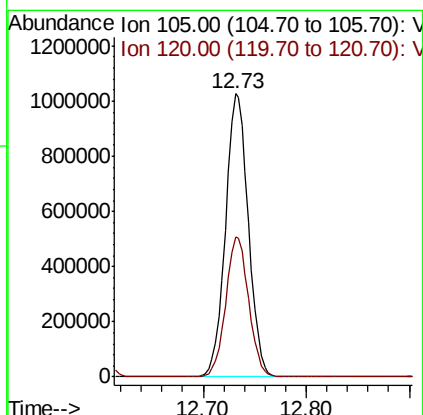
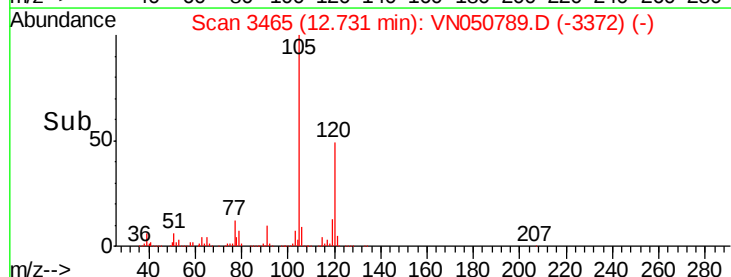
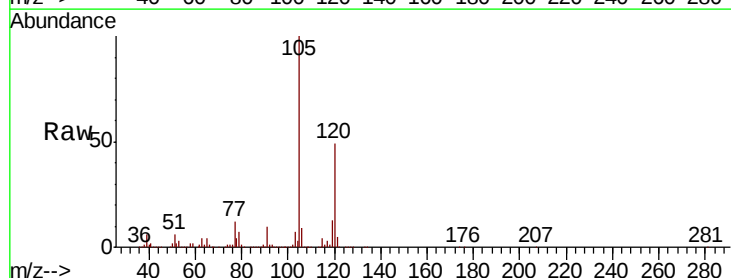
Acq: 21 Aug 2018 18:30

Tgt Ion:105 Resp: 1577746

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0

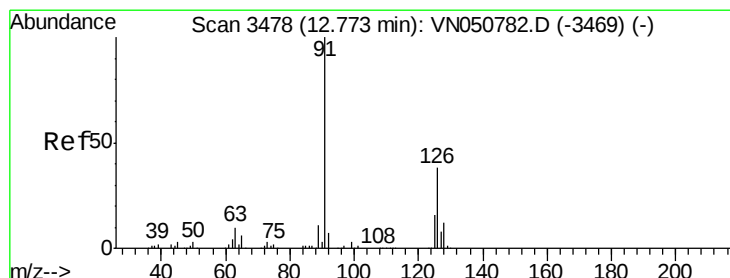
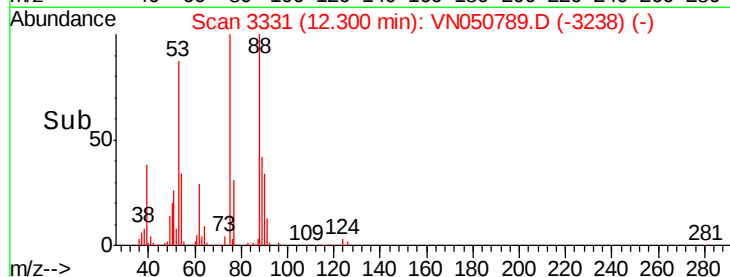
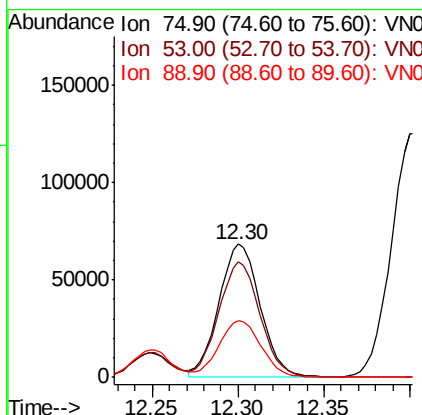
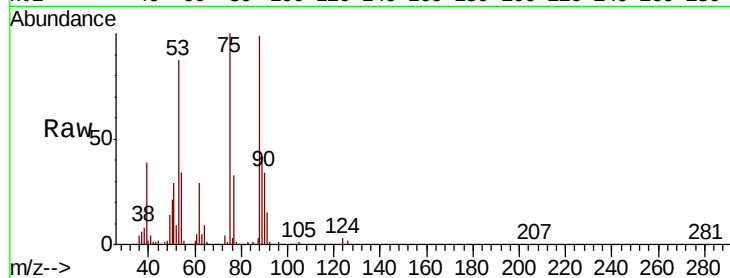




#81
trans-1,4-Dichloro-2-butene
Concen: 51.143 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

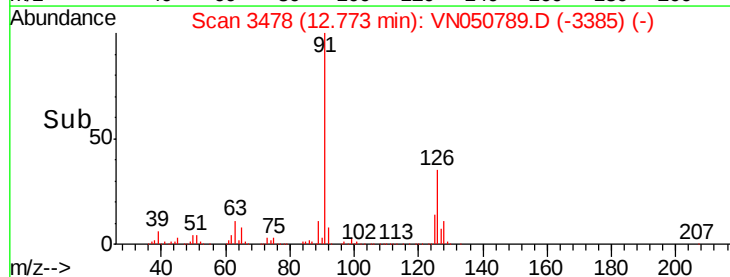
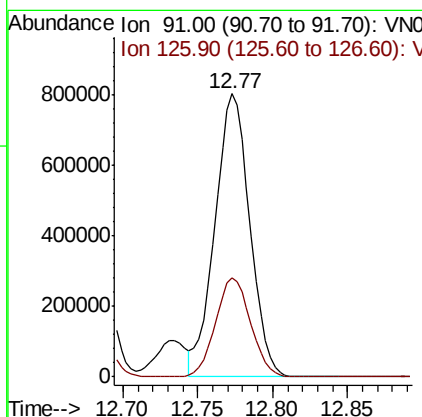
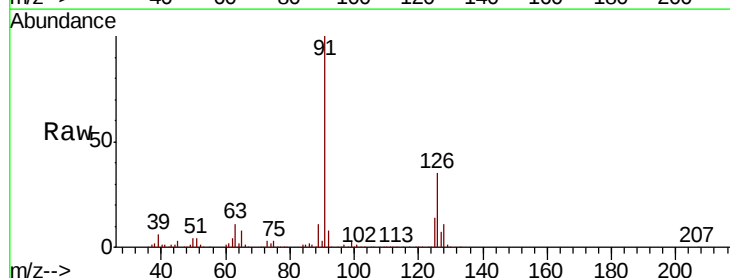
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

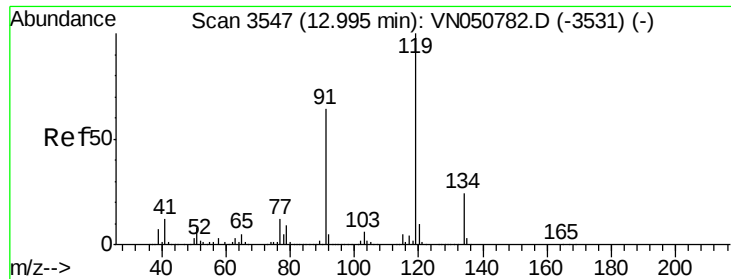
Tot Ion: 75 Resp: 113283
Ion Ratio Lower Upper
75 100
53 88.4 68.9 103.3
89 43.5 36.1 54.1



#82
4-Chlorotoluene
Concen: 53.328 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion: 91 Resp: 1296834
Ion Ratio Lower Upper
91 100
126 35.1 17.5 52.5

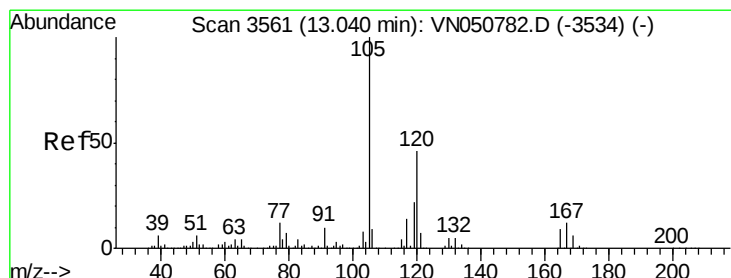
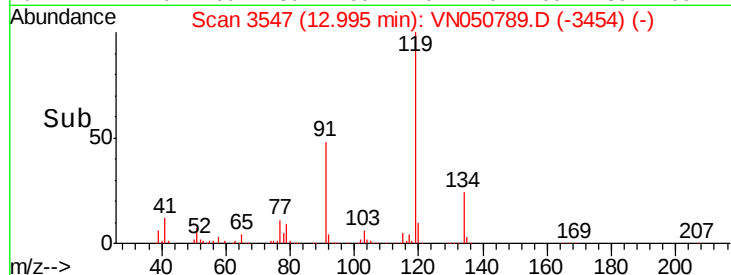
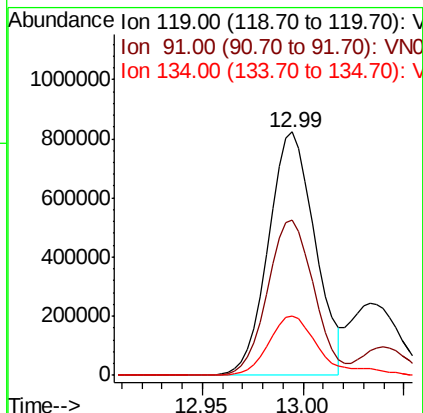
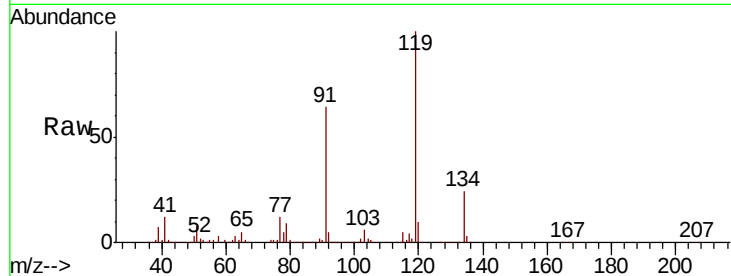




#83
tert-Butylbenzene
Concen: 53.251 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

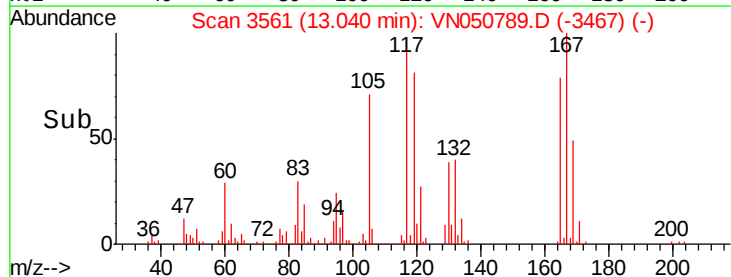
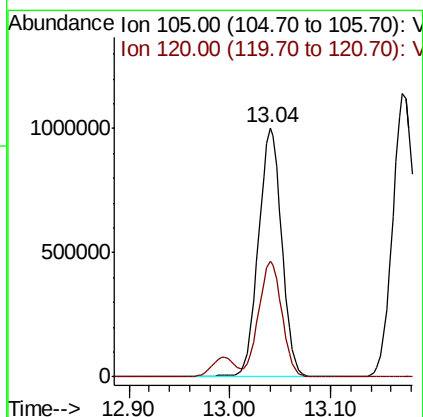
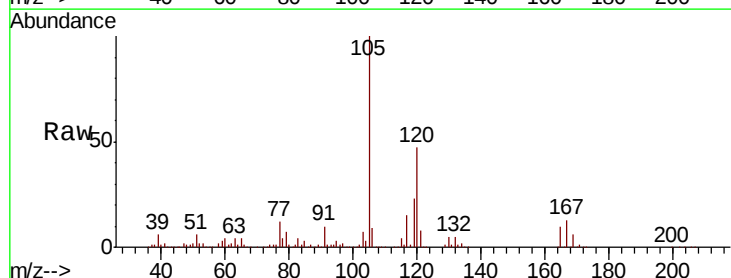
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

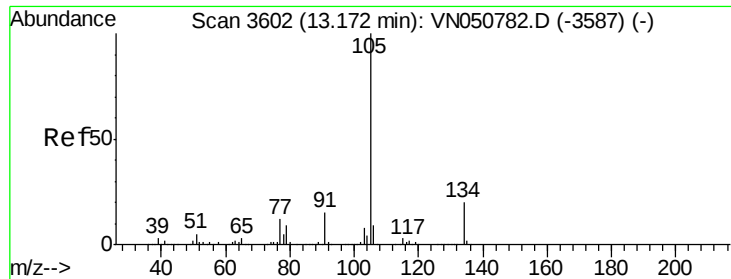
Tot Ion:119 Resp: 1317326
Ion Ratio Lower Upper
119 100
91 63.3 31.6 94.7
134 27.0 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 55.650 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050789.D
Acq: 21 Aug 2018 18:30

Tgt Ion:105 Resp: 1598954
Ion Ratio Lower Upper
105 100
120 46.6 22.9 68.8





#85

sec-Butylbenzene

Concen: 54.651 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

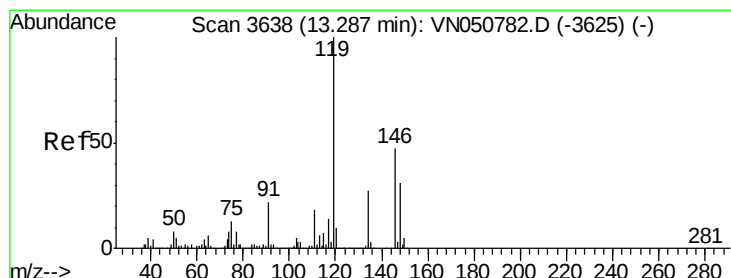
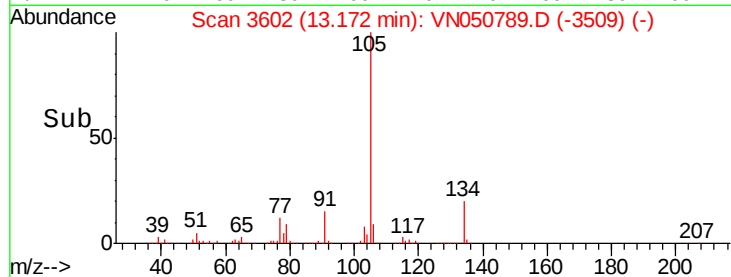
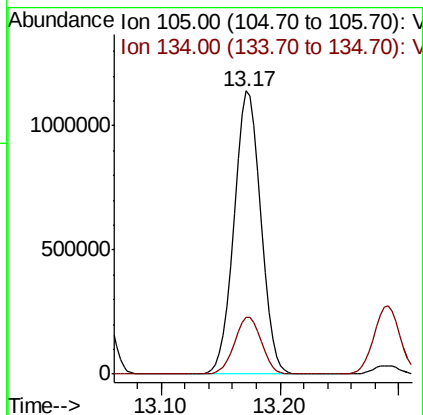
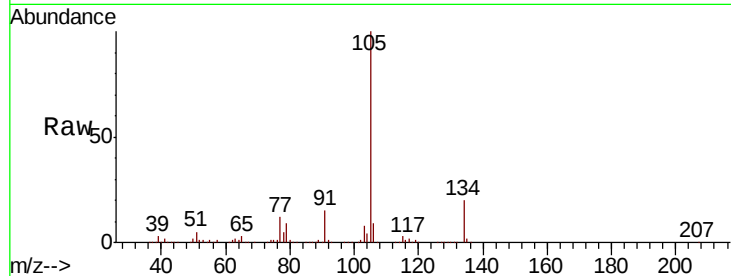
VSTDCCC050

Tot Ion:105 Resp: 1771548

Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8



#86

p-Isopropyltoluene

Concen: 56.439 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

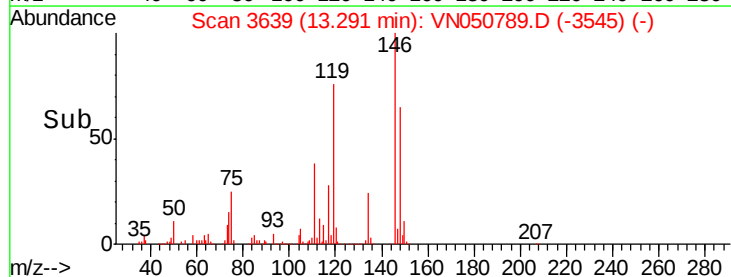
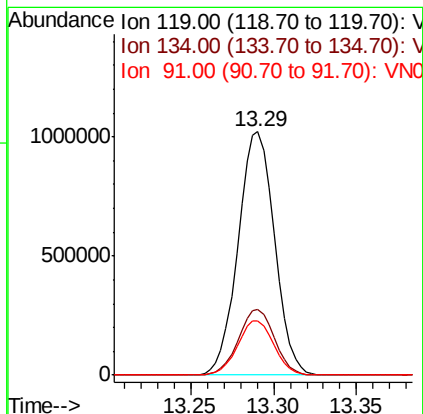
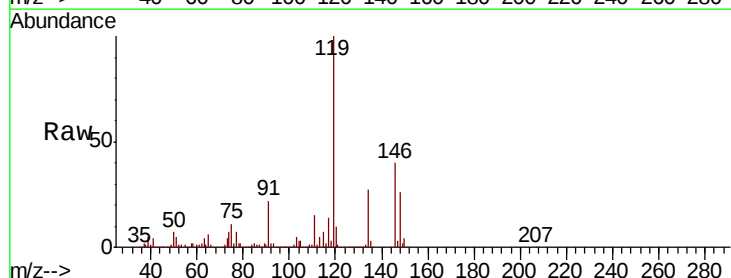
Tgt Ion:119 Resp: 1558891

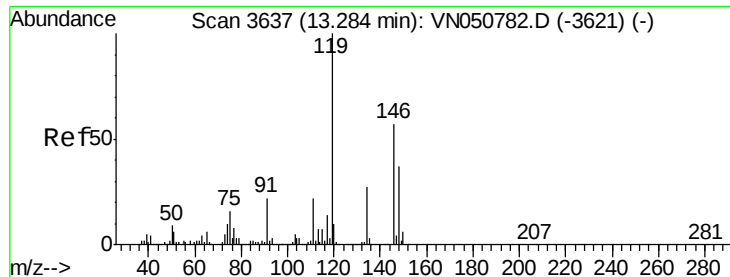
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 22.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 51.676 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

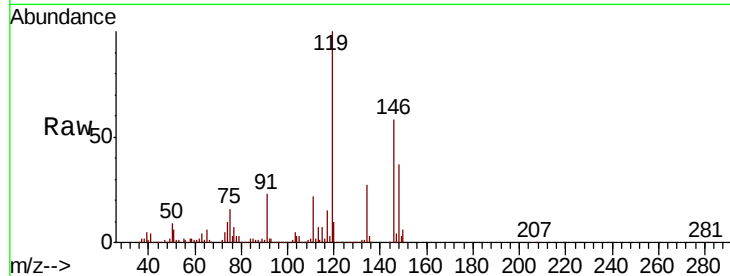
Tot Ion:146 Resp: 843692

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.3

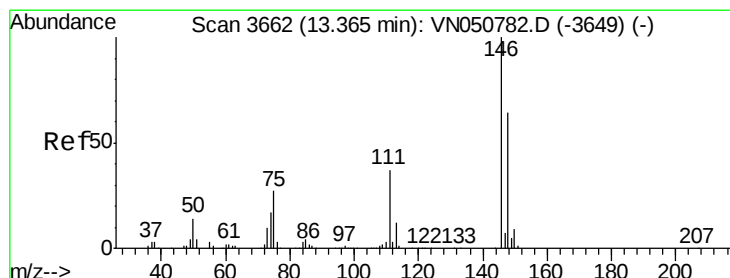
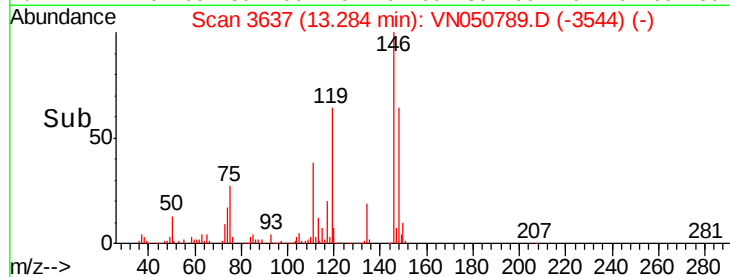
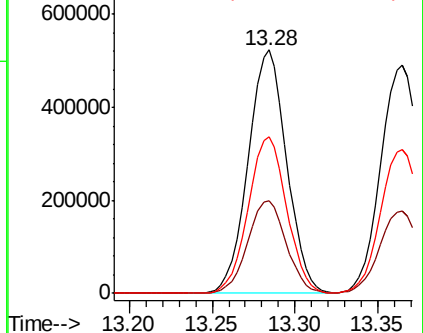
148 64.4 32.2 96.6



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: 50.833 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

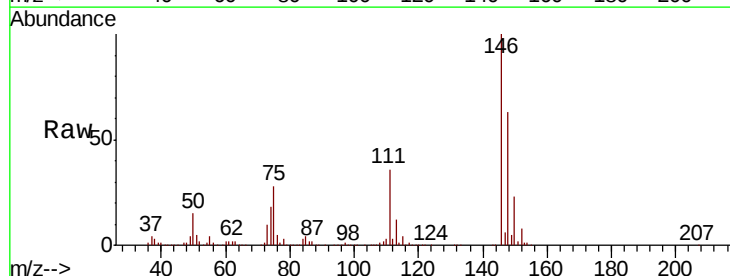
Tgt Ion:146 Resp: 816806

Ion Ratio Lower Upper

146 100

111 36.8 18.8 56.3

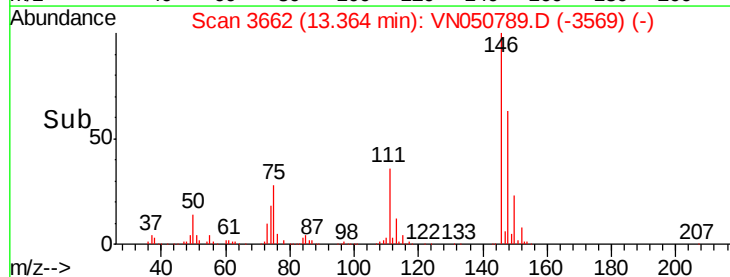
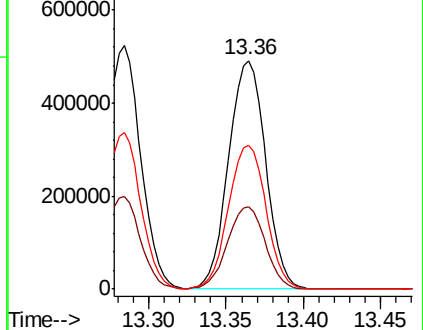
148 63.9 32.2 96.6

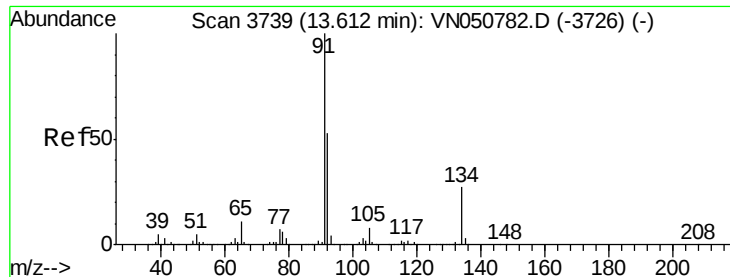


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 55.470 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

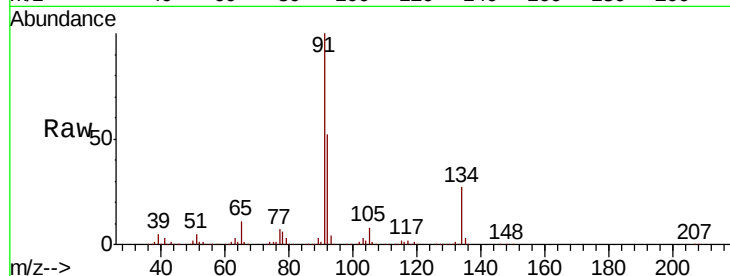
Tot Ion: 91 Resp: 1225387

Ion Ratio Lower Upper

91 100

92 51.8 26.1 78.2

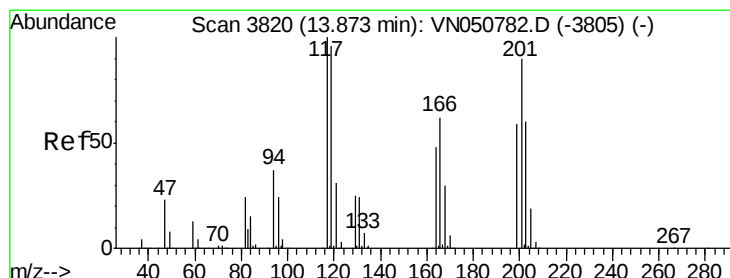
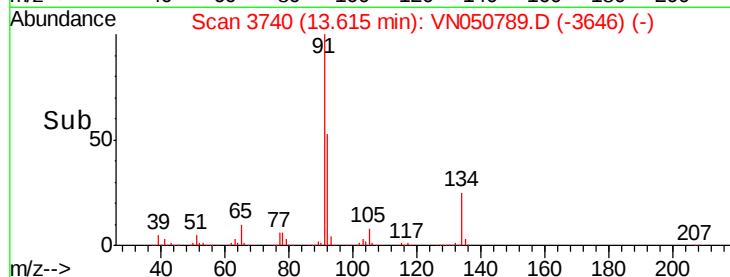
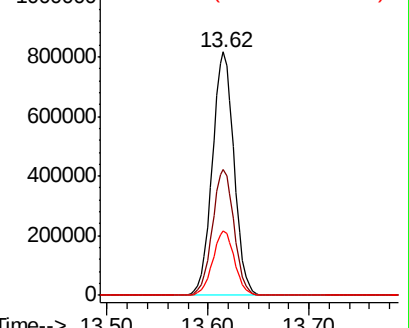
134 26.5 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)



#90

Hexachloroethane

Concen: 51.779 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050789.D

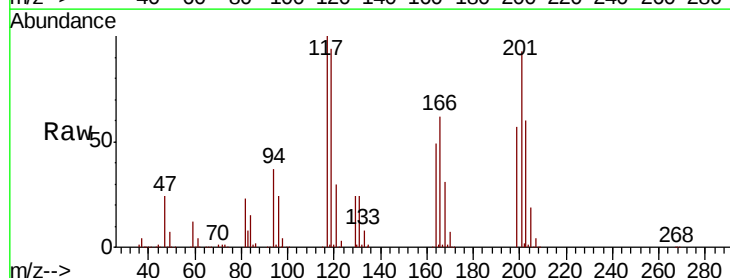
Acq: 21 Aug 2018 18:30

Tgt Ion: 117 Resp: 272602

Ion Ratio Lower Upper

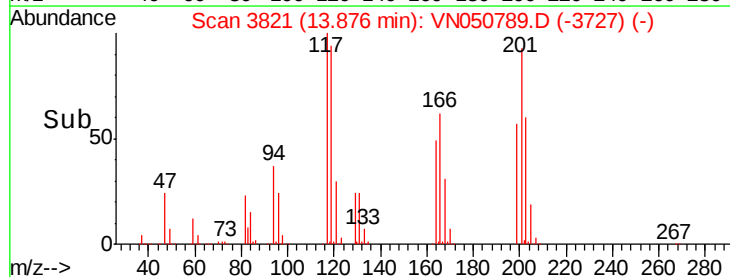
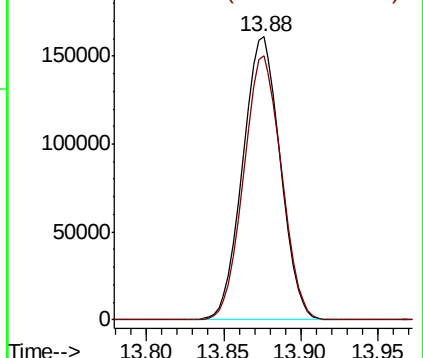
117 100

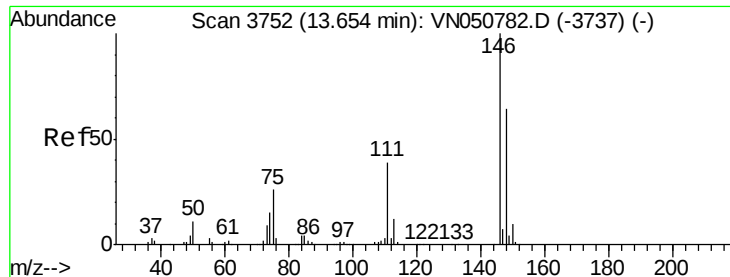
201 93.6 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)

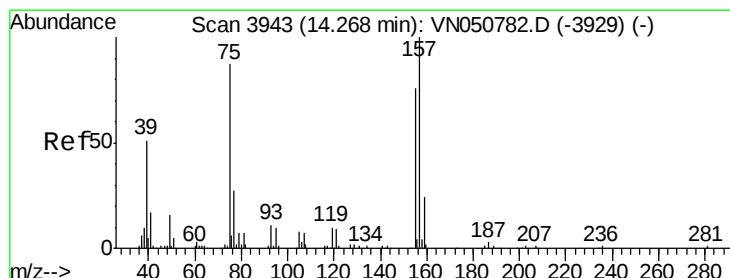
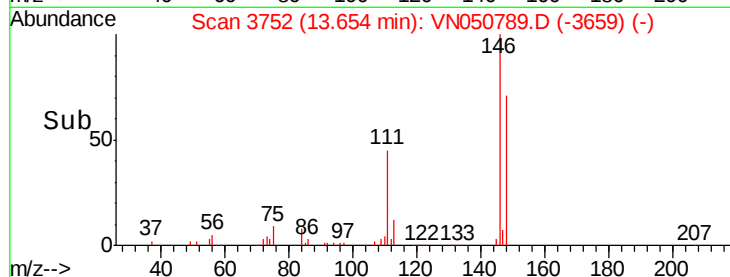
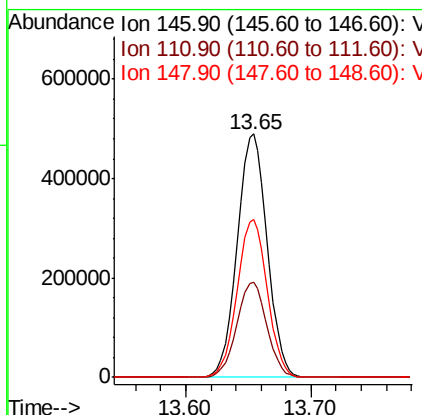
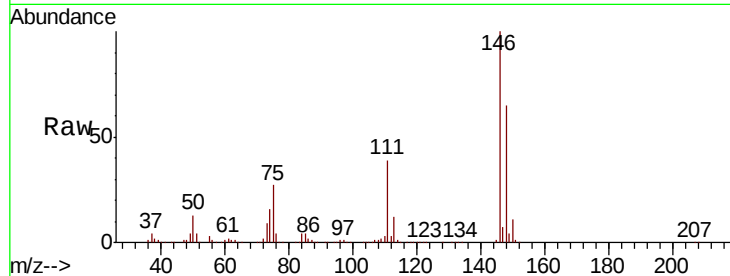




#91
 1,2-Dichlorobenzene
 Concen: 51.555 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

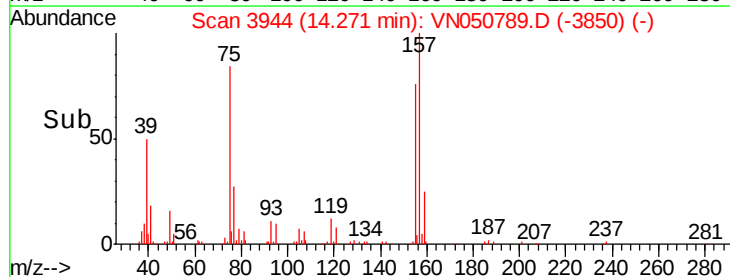
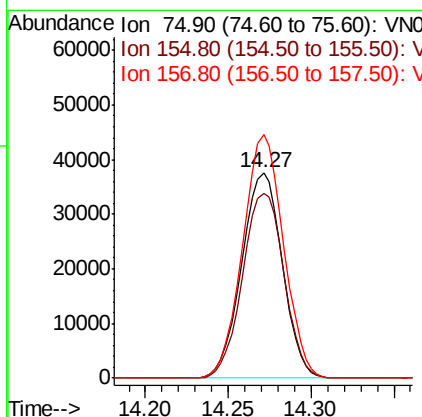
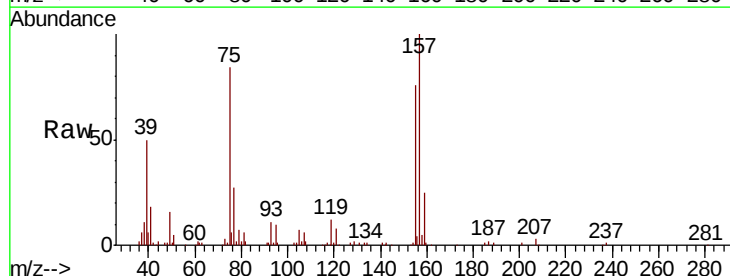
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

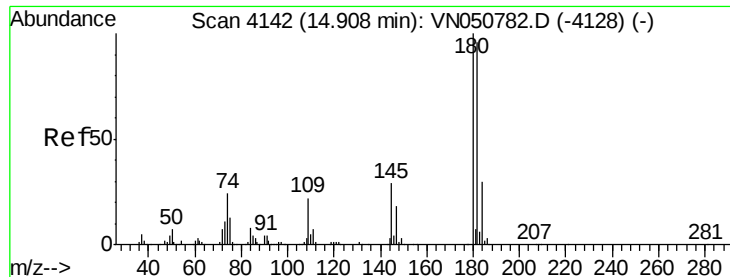
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	65.2	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.402 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	46.4	139.1
157	118.5	60.7	182.0

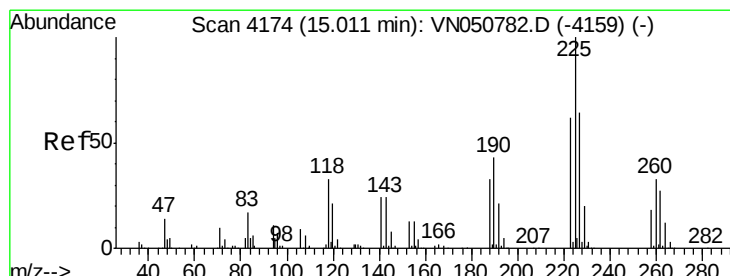
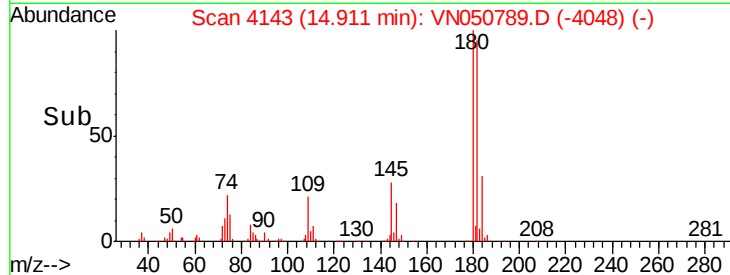
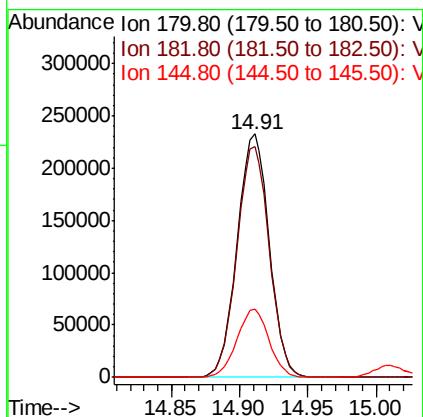
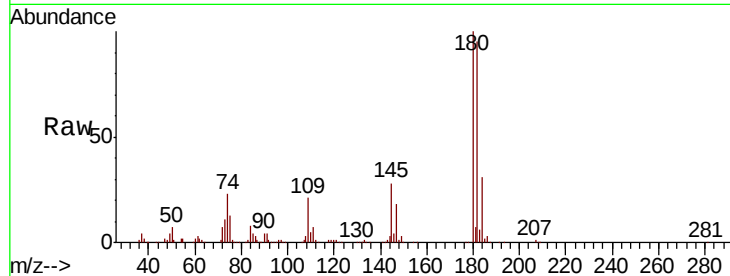




#93
 1,2,4-Trichlorobenzene
 Concen: 46.593 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

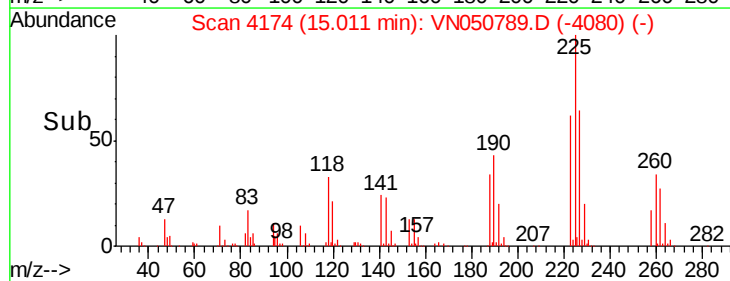
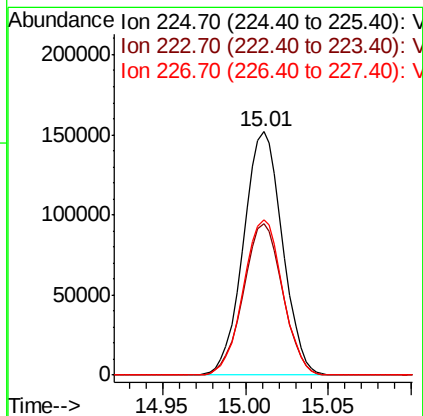
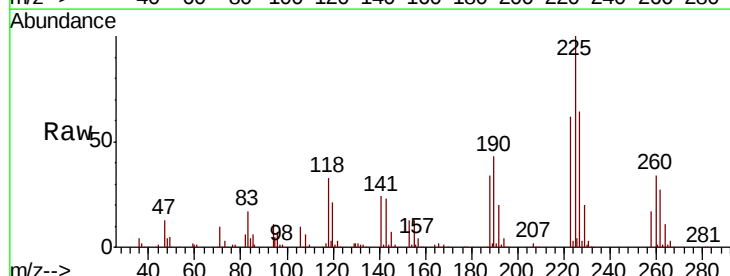
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

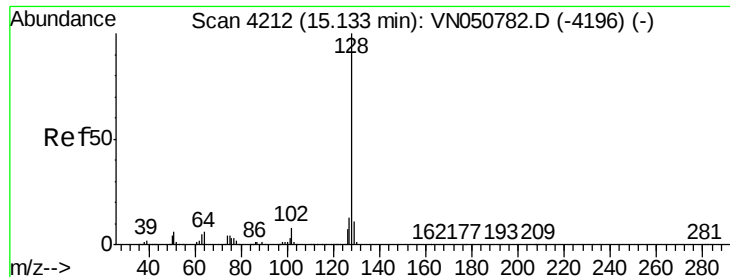
Tot Ion:180 Resp: 379310
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.2 144.6
 145 28.0 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 53.118 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050789.D
 Acq: 21 Aug 2018 18:30

Tgt Ion:225 Resp: 247696
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.3 93.8
 227 64.6 32.0 96.2





#95

Naphthalene

Concen: 44.140 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

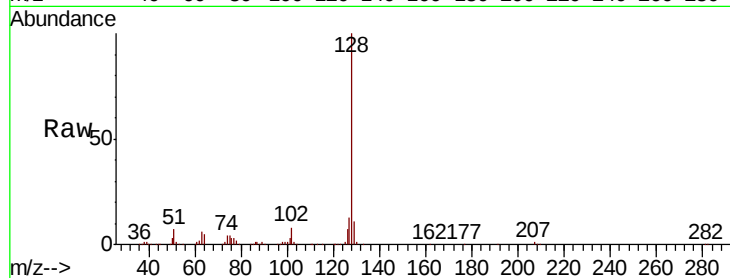
Tot Ion:128 Resp: 741859

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.0 8.7 13.1

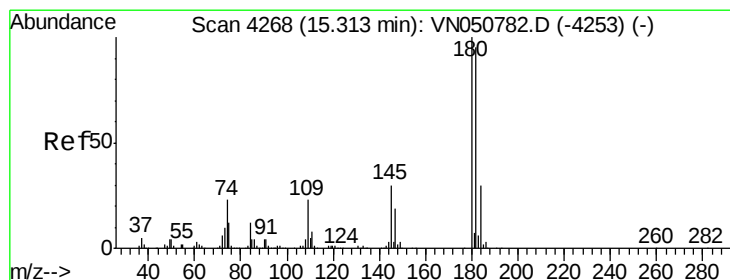
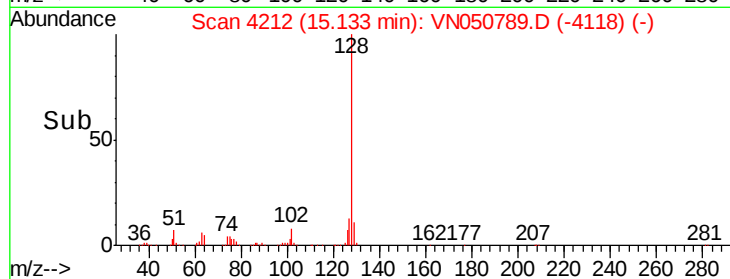
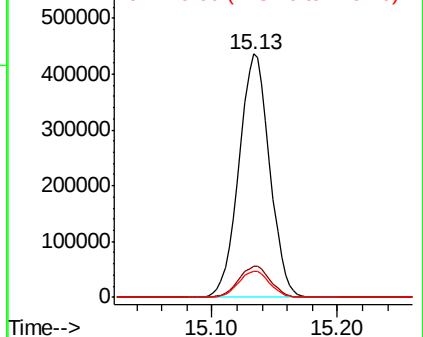


Abundance

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: 46.900 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050789.D

Acq: 21 Aug 2018 18:30

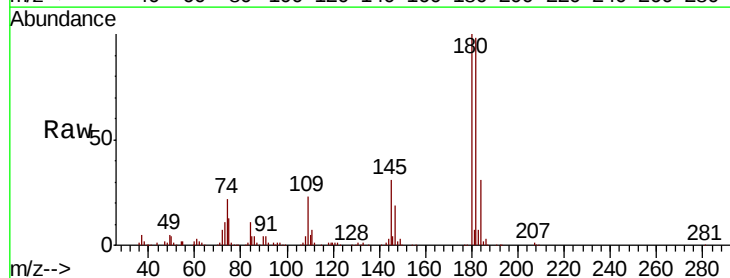
Tgt Ion:180 Resp: 358573

Ion Ratio Lower Upper

180 100

182 97.9 48.0 144.2

145 30.7 15.2 45.6



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

