

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056170.D
 Acq On : 10 Jun 2019 15:22
 Operator : JC/SP
 Sample : K3280-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:20:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	296452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	458604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	437257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	159939	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
35) Dibromofluoromethane	7.59	113	147135	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.09	98	585387	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
62) 4-Bromofluorobenzene	12.40	95	180607	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

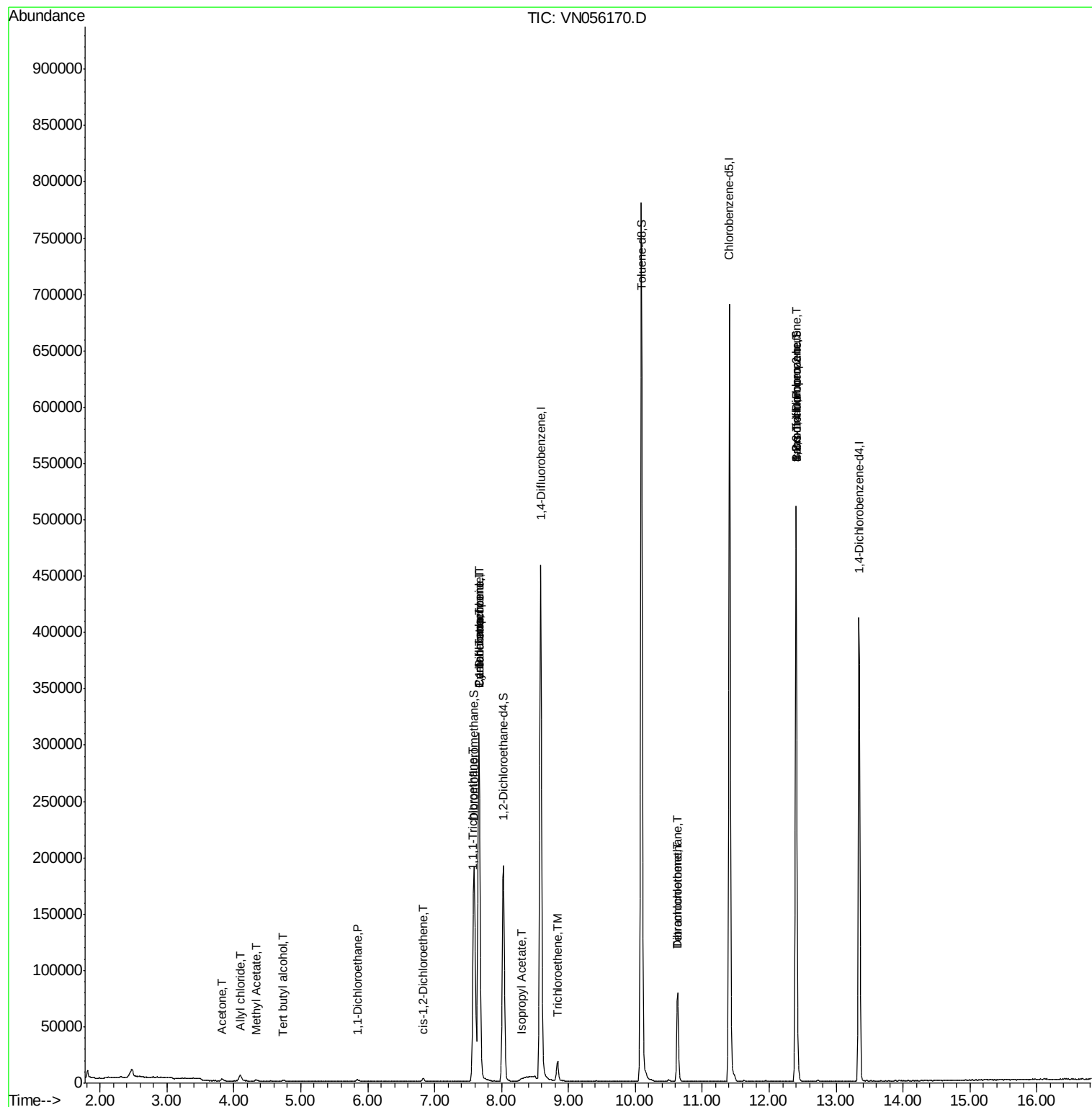
					Qvalue	
11) Tert butyl alcohol	4.74	59	516	1.007	ug/l #	74
14) Allyl chloride	4.09	41	815	0.207	ug/l #	75
16) Acetone	3.82	43	3363	2.389	ug/l #	82
18) Methyl Acetate	4.33	43	2645	0.383	ug/l #	83
24) 1,1-Dichloroethane	5.84	63	3345	0.714	ug/l #	83
27) cis-1,2-Dichloroethene	6.83	96	1496	0.477	ug/l	87
31) Cyclohexane	7.66	56	4096	0.877	ug/l #	1
32) 1,1,1-Trichloroethane	7.57	97	1136	0.289	ug/l #	40
36) 1,1-Dichloropropene	7.66	75	16736	4.244	ug/l #	48
38) Carbon Tetrachloride	7.66	117	24348	6.697	ug/l #	14
43) Isopropyl Acetate	8.30	43	2663	0.468	ug/l #	53
44) Trichloroethene	8.83	130	7682	2.232	ug/l	96
60) Dibromochloromethane	10.63	129	17989	7.706	ug/l #	11
64) Tetrachloroethene	10.63	164	21273	5.620	ug/l	99
71) Bromoform	12.40	173	1347	3.247	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	82497	34.516	ug/l #	100
79) 2-Chlorotoluene	12.40	91	467	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	82497	114.944	ug/l #	15

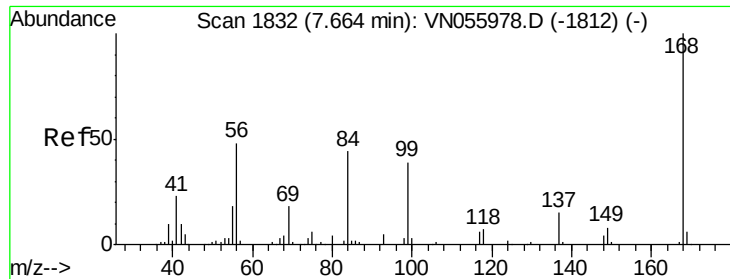
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061019\
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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_N

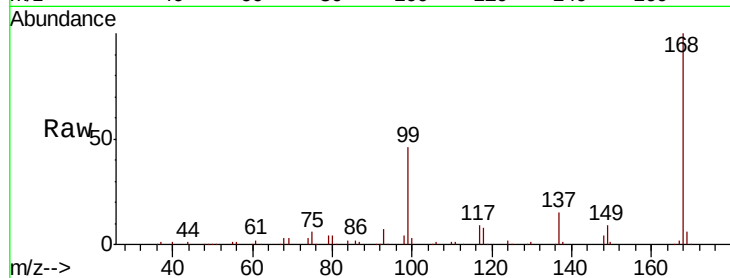
ClientSampleId :

Tot Ion:168 Resp: 296452

Ion Ratio Lower Upper

168 100

99 46.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

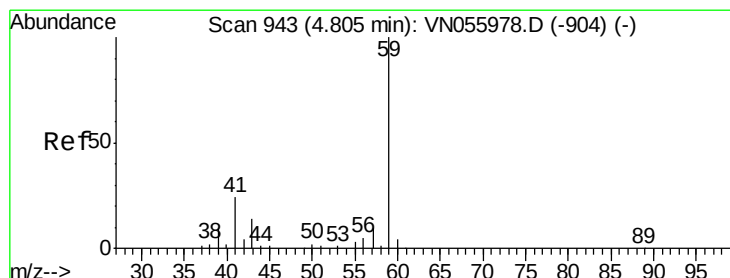
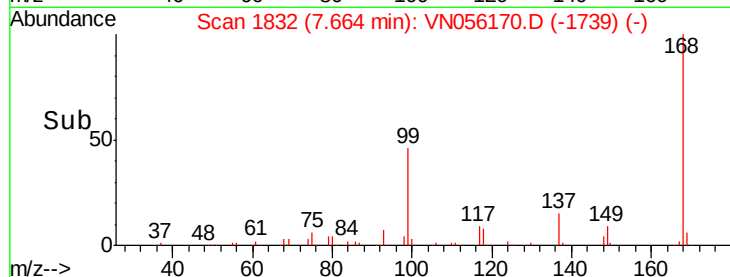
7.66

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.007 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.06 min

Lab File: VN056170.D

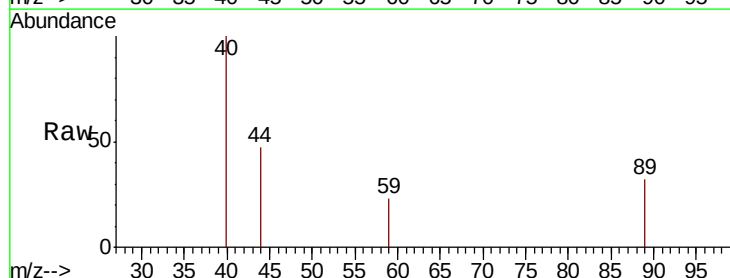
Acq: 10 Jun 2019 15:22

Tgt Ion: 59 Resp: 516

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.74

300

250

200

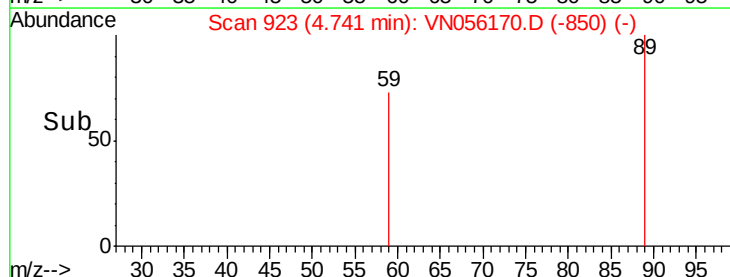
150

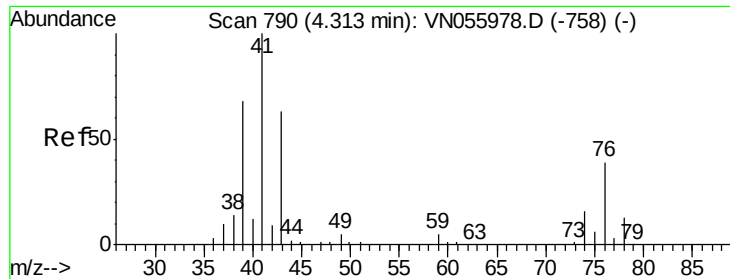
100

50

0

Time-->

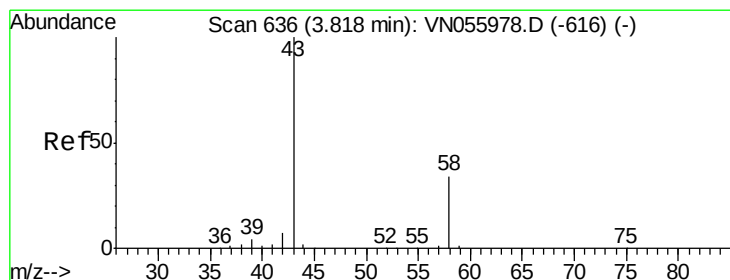
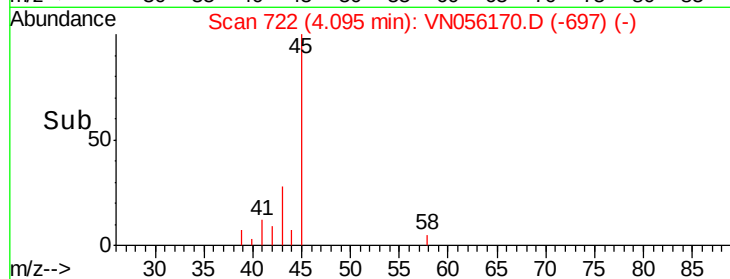
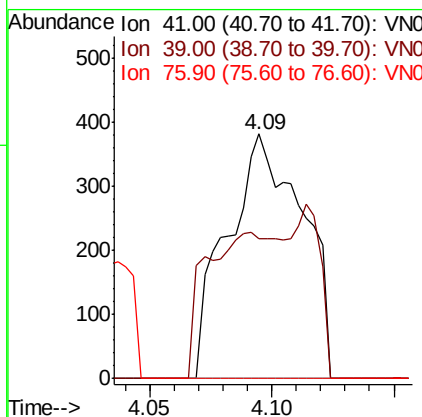
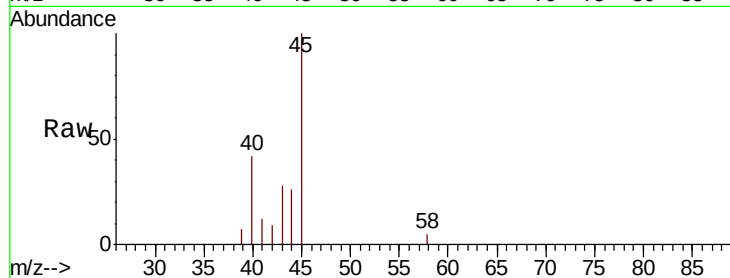




#14
Allvl chloride
Concen: 0.207 ug/l
RT: 4.09 min Scan# 722
Delta R.T. -0.22 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

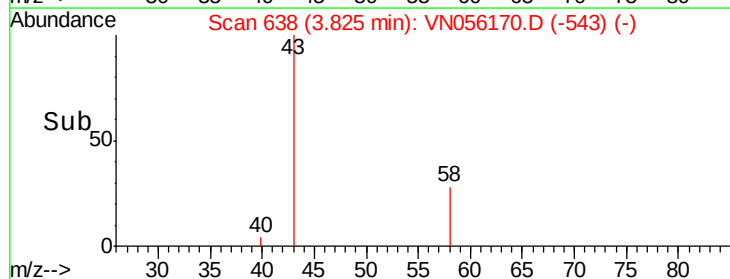
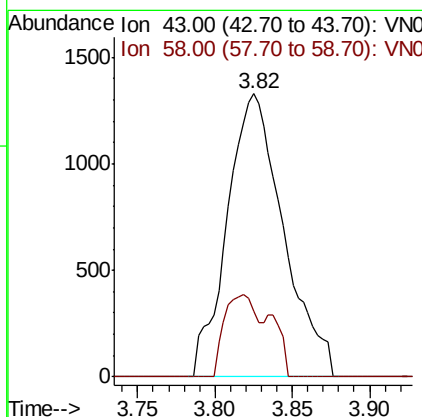
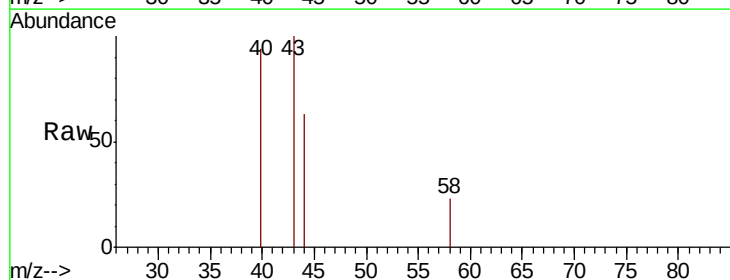
Instrument :
MSVOA_N
ClientSampled :

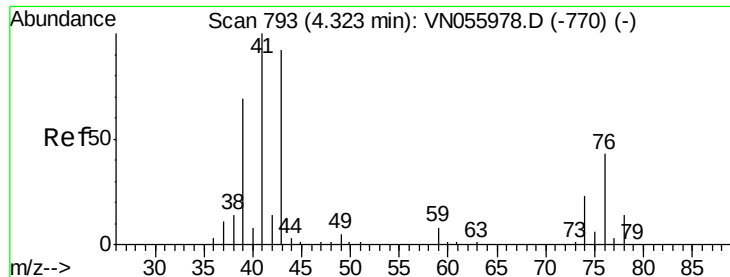
Tot Ion: 41 Resp: 815
Ion Ratio Lower Upper
41 100
39 58.4 50.0 75.0
76 0.0 28.2 42.2#



#16
Acetone
Concen: 2.389 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

Tgt Ion: 43 Resp: 3363
Ion Ratio Lower Upper
43 100
58 23.3 26.6 39.8#

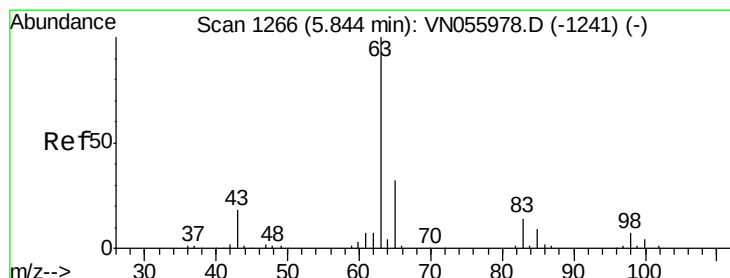
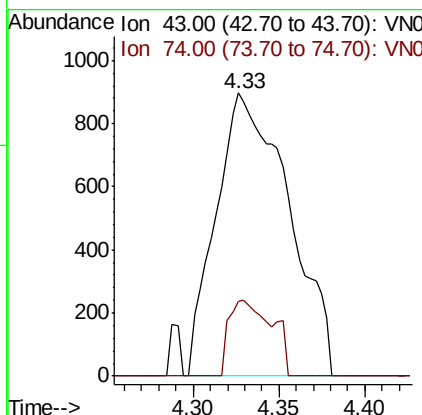
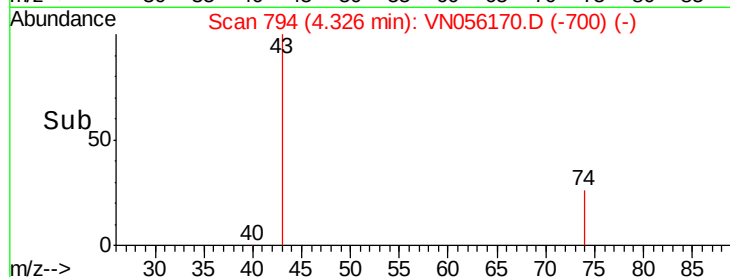
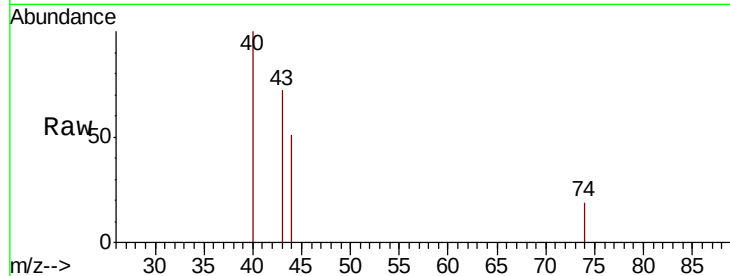




#18
Methyl Acetate
Concen: 0.383 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

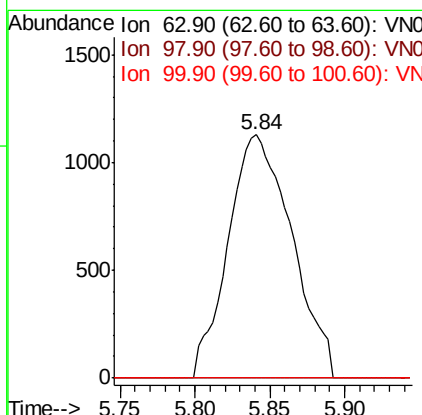
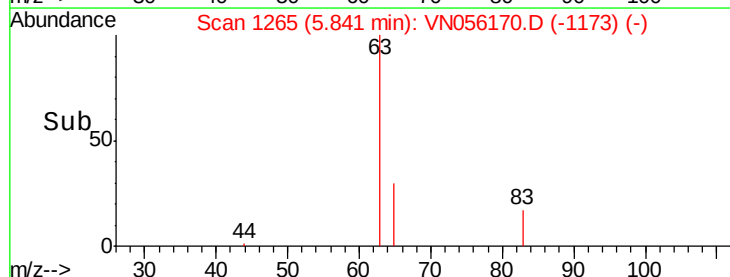
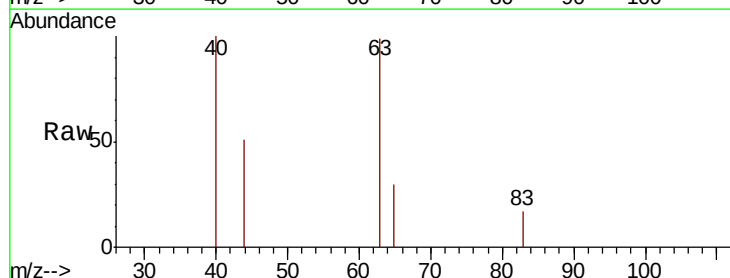
Instrument :
MSVOA_N
ClientSampleId :

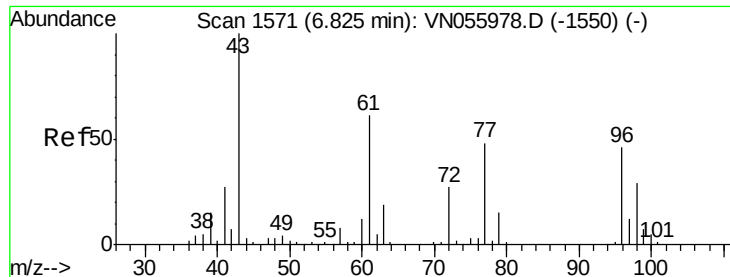
Tot Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
74 15.7 19.3 28.9#



#24
1,1-Dichloroethane
Concen: 0.714 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

Tgt Ion: 63 Resp: 3345
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.1#
100 0.0 2.2 6.6#





#27

cis-1,2-Dichloroethene

Concen: 0.477 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :

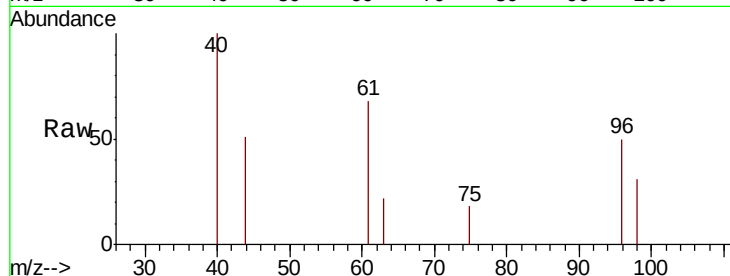
Tot Ion: 96 Resp: 1496

Ion Ratio Lower Upper

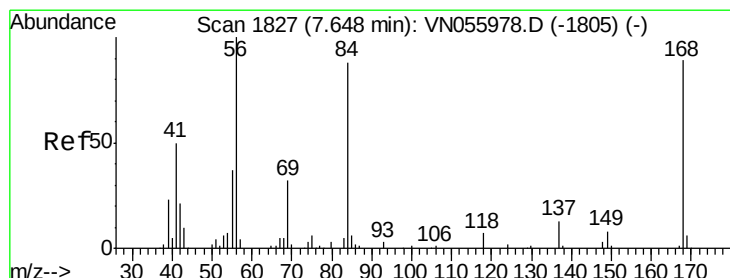
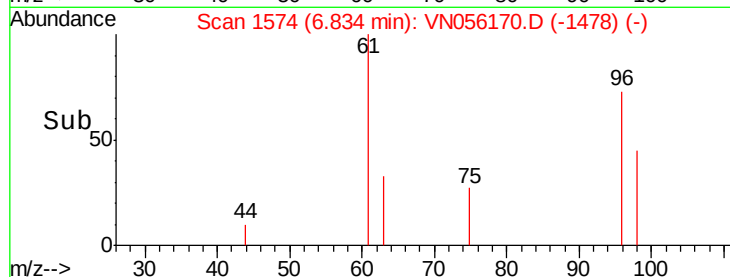
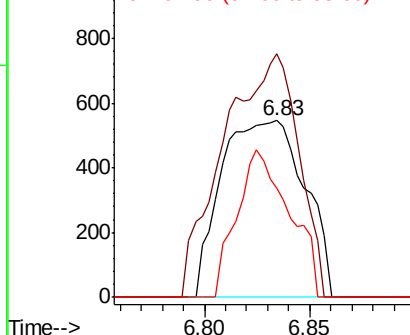
96 100

61 123.8 0.0 275.8

98 52.6 0.0 128.4



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



#31

Cyclohexane

Concen: 0.877 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

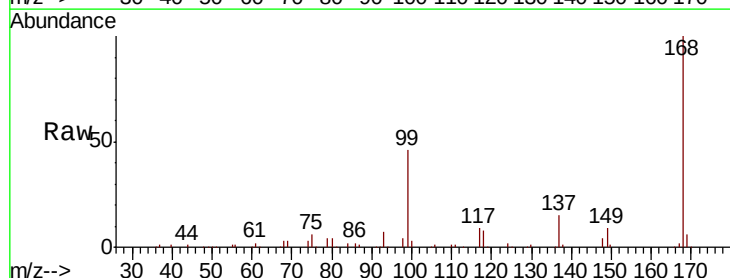
Tgt Ion: 56 Resp: 4096

Ion Ratio Lower Upper

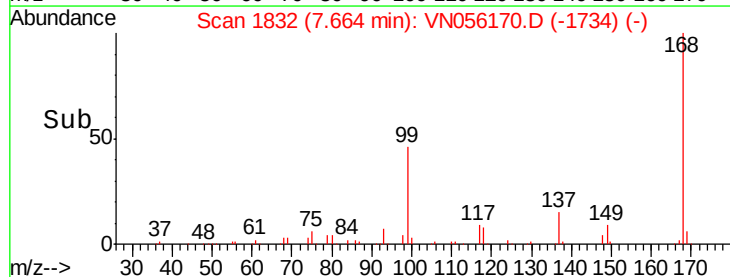
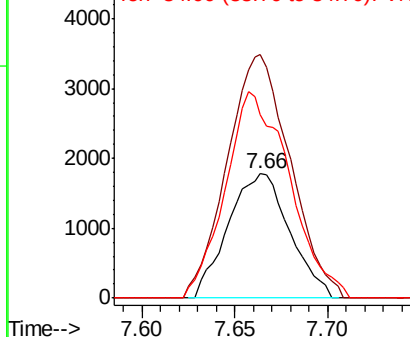
56 100

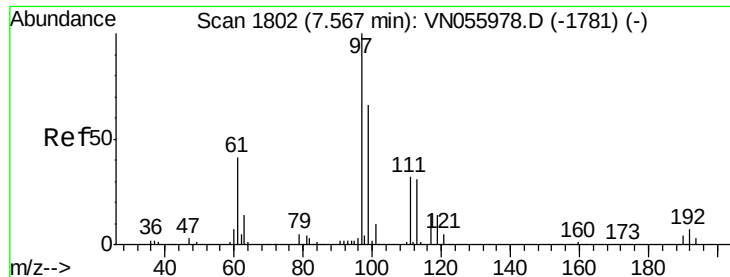
69 186.8 25.6 38.4#

84 139.5 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0





#32

1,1,1-Trichloroethane

Concen: 0.289 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

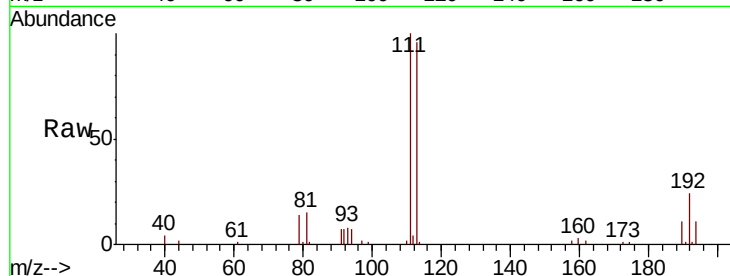
Tot Ion: 97 Resp: 1136

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

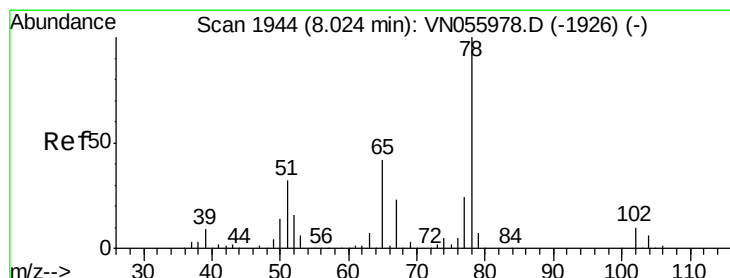
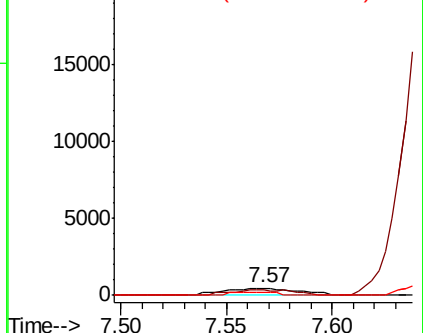
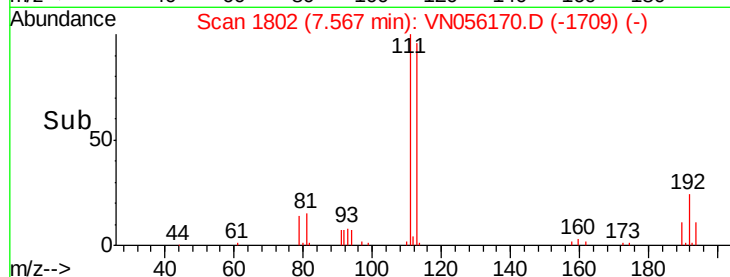
61 25.3 32.9 49.3#



Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC



#33

1,2-Dichloroethane-d4

Concen: 54.336 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056170.D

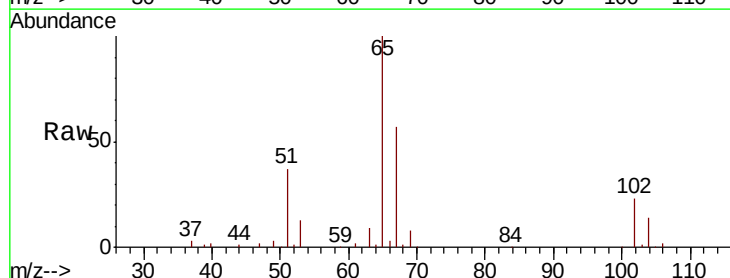
Acq: 10 Jun 2019 15:22

Tgt Ion: 65 Resp: 159939

Ion Ratio Lower Upper

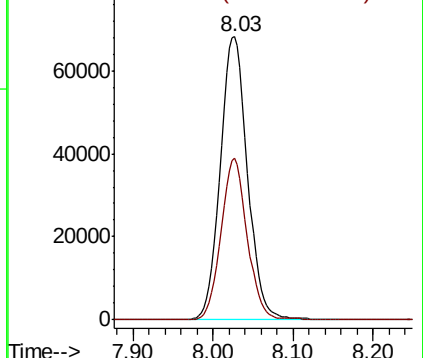
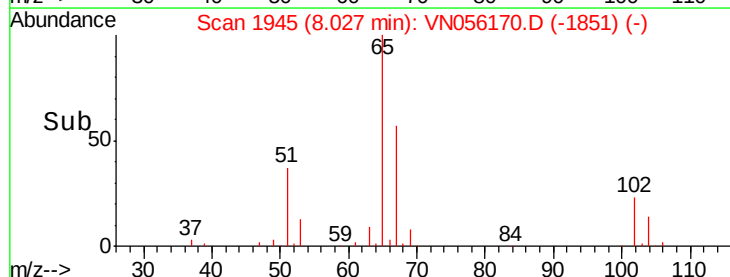
65 100

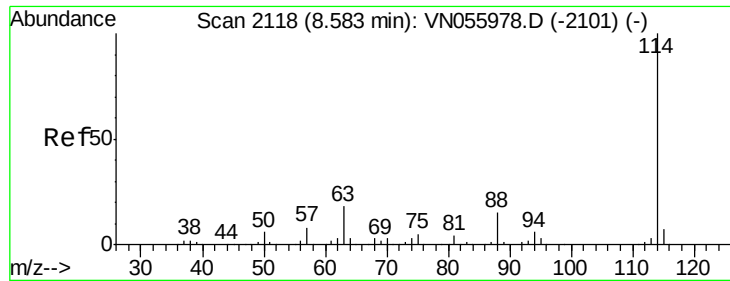
67 54.5 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC

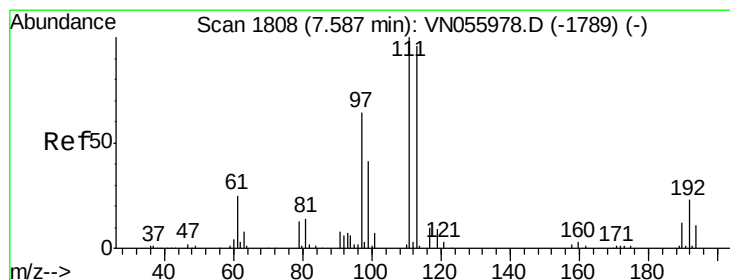
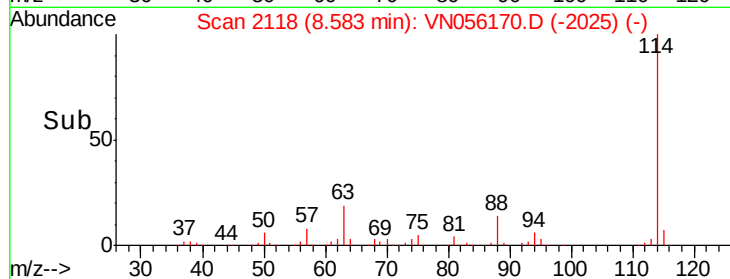
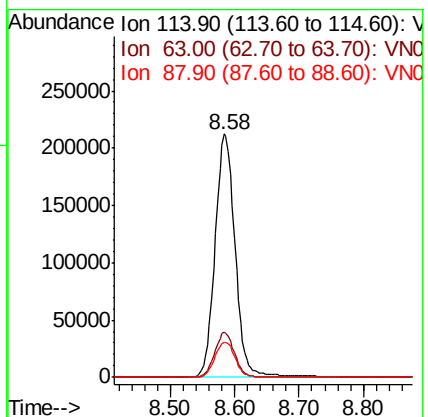
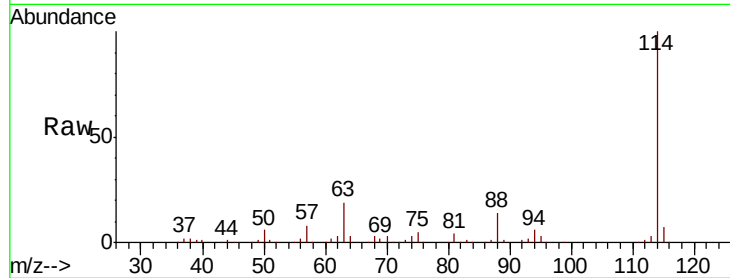




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

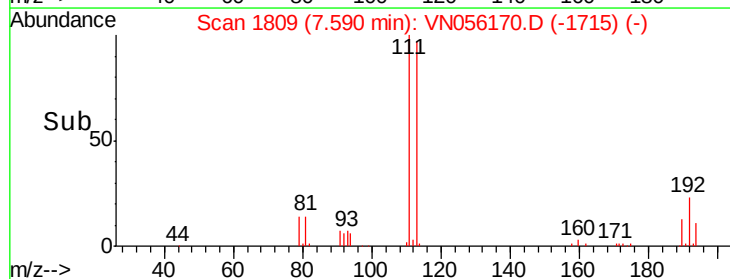
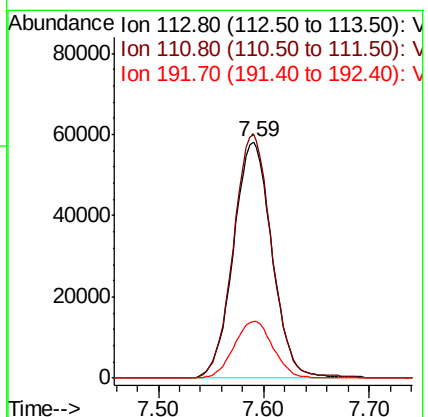
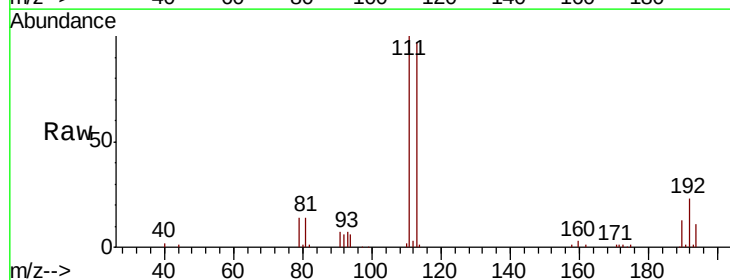
Instrument :
MSVOA_N
ClientSampled :

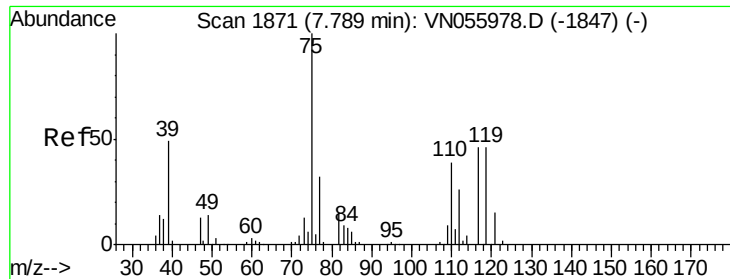
Tot Ion:114 Resp: 458604
Ion Ratio Lower Upper
114 100
63 18.6 0.0 39.2
88 14.5 0.0 31.0



#35
Dibromofluoromethane
Concen: 52.293 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

Tgt Ion:113 Resp: 147135
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 24.4 19.5 29.3

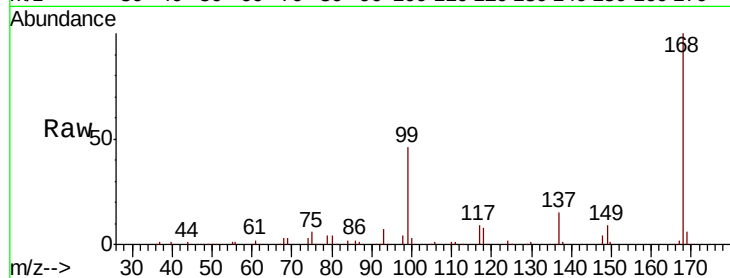




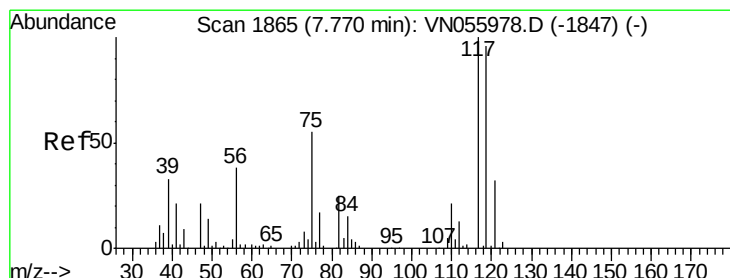
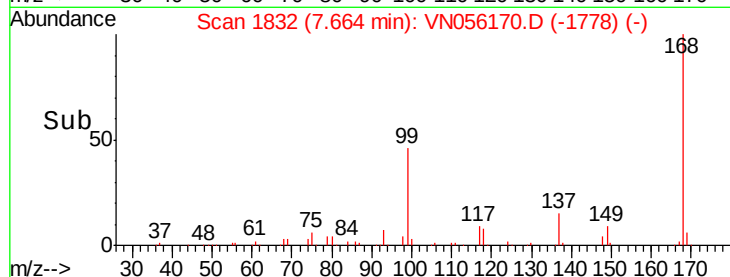
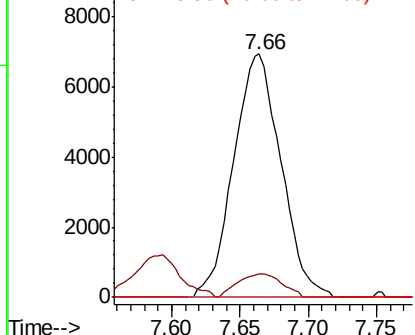
#36
 1,1-Dichloropropene
 Concen: 4.244 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056170.D
 Acq: 10 Jun 2019 15:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.0	57.0#
77	0.0	25.1	37.7#

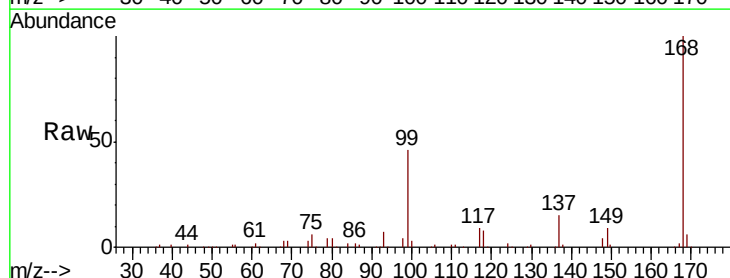


Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-1847) (-)
 Ion 109.90 (109.60 to 110.60): VN055978.D (-1847) (-)
 Ion 76.90 (76.60 to 77.60): VN055978.D (-1847) (-)

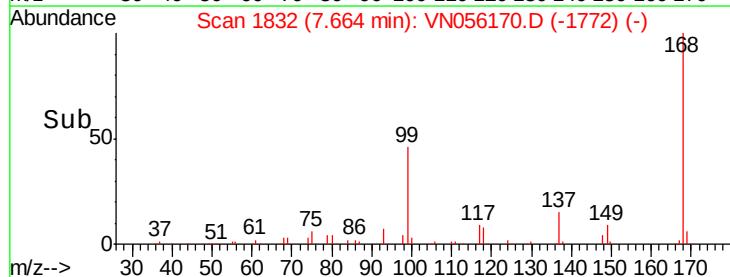
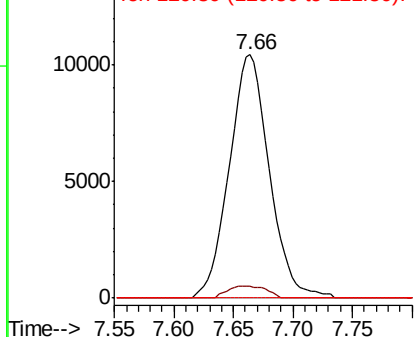


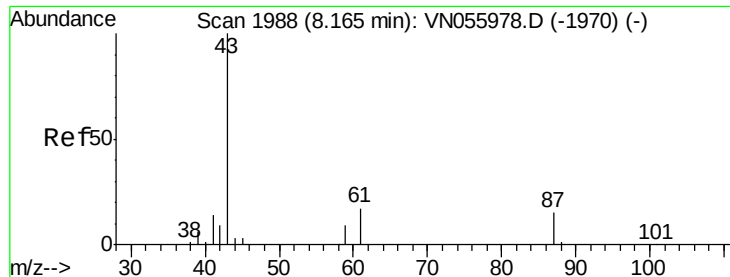
#38
 Carbon Tetrachloride
 Concen: 6.697 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056170.D
 Acq: 10 Jun 2019 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	79.0	118.6#
121	0.0	24.7	37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN055978.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN055978.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 0.468 ug/l

RT: 8.30 min Scan# 2030

Delta R.T. 0.14 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

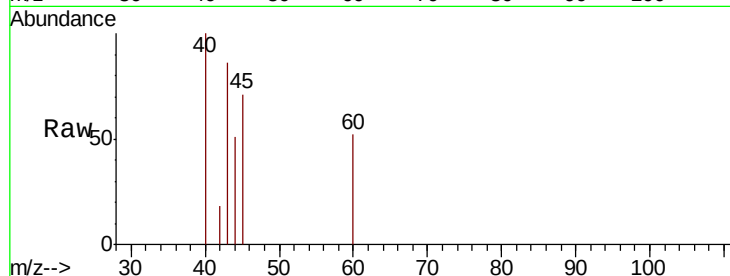
Tot Ion: 43 Resp: 2663

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

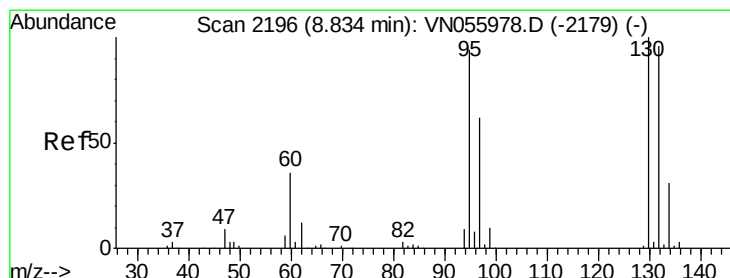
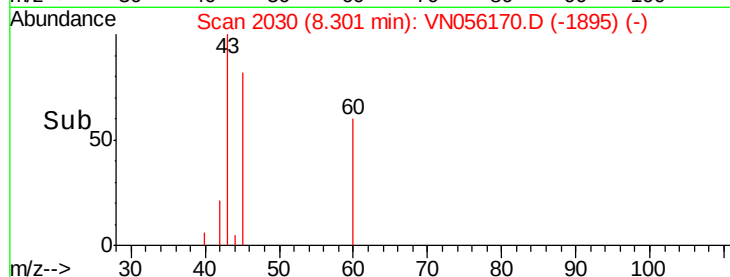
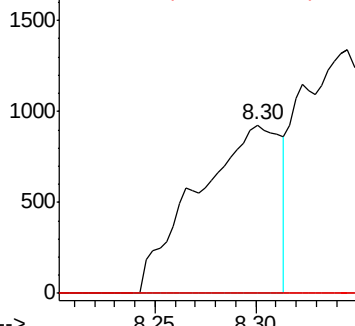
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 2.232 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056170.D

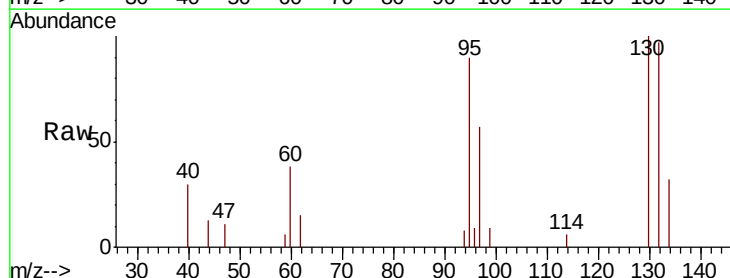
Acq: 10 Jun 2019 15:22

Tgt Ion: 130 Resp: 7682

Ion Ratio Lower Upper

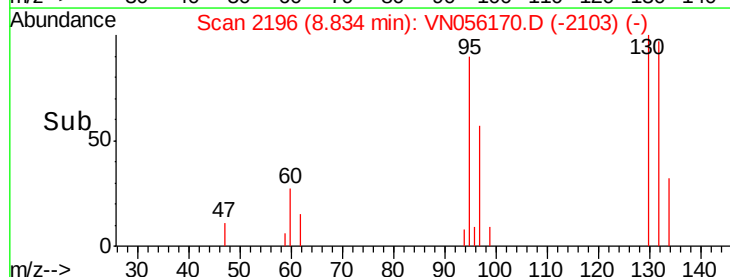
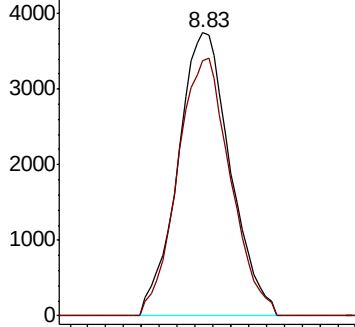
130 100

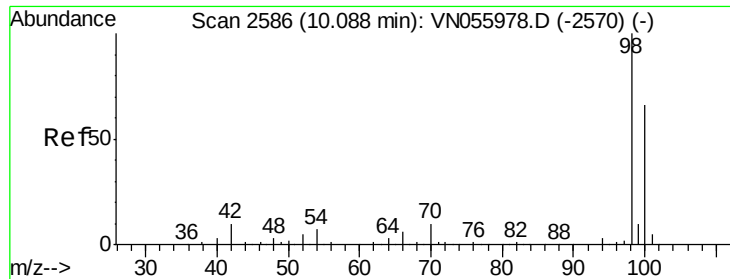
95 90.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

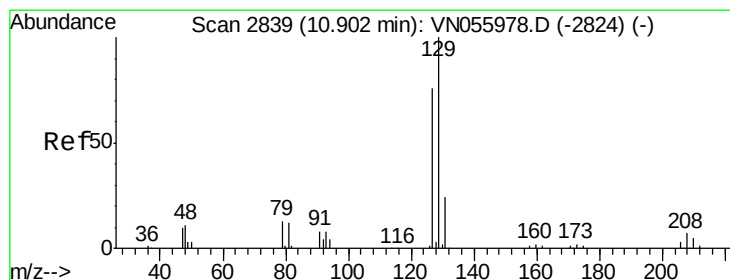
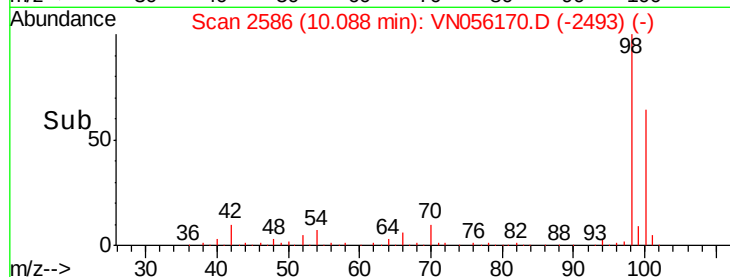
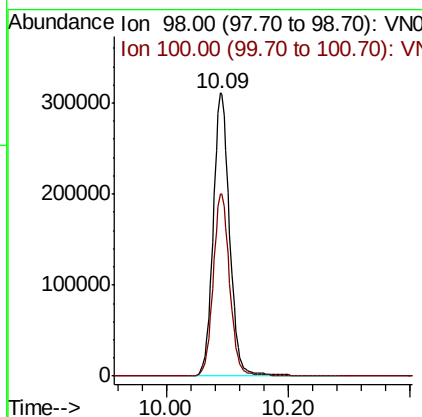
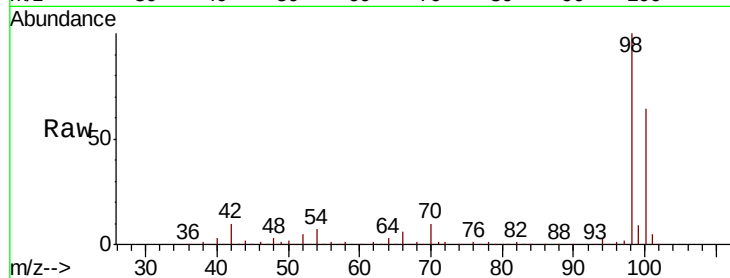




#50
Toluene-d8
Concen: 54.067 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

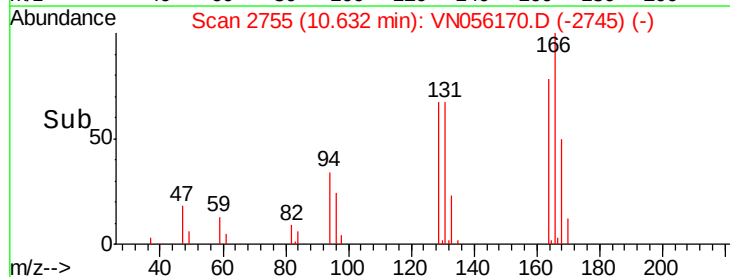
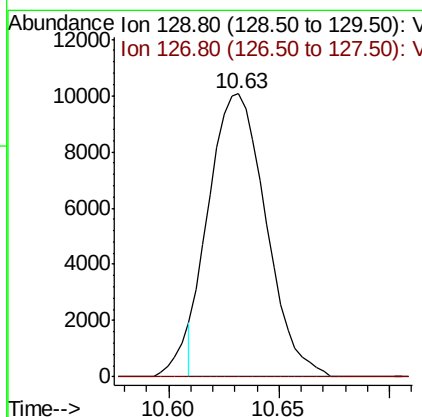
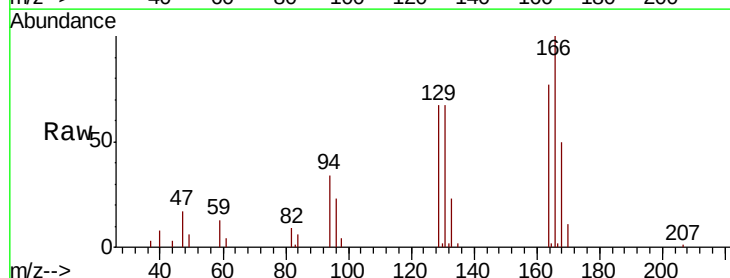
Instrument :
MSVOA_N
ClientSampleId :

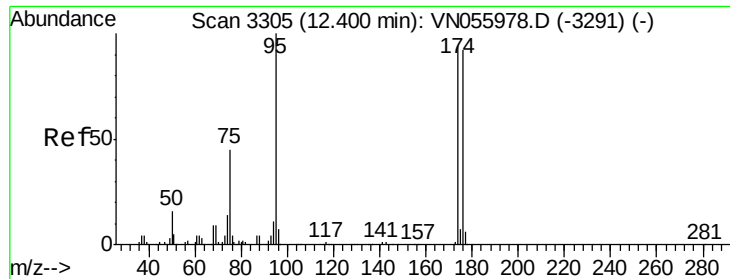
Tot Ion: 98 Resp: 585387
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#60
Dibromochloromethane
Concen: 7.706 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

Tgt Ion: 129 Resp: 17989
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#





#62

4-Bromofluorobenzene

Concen: 49.051 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

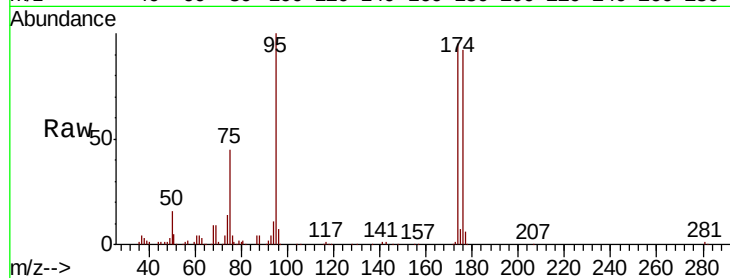
Tot Ion: 95 Resp: 180607

Ion Ratio Lower Upper

95 100

174 96.7 0.0 191.0

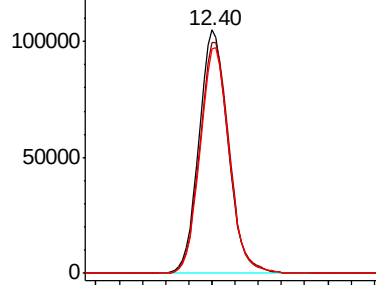
176 93.0 0.0 185.2



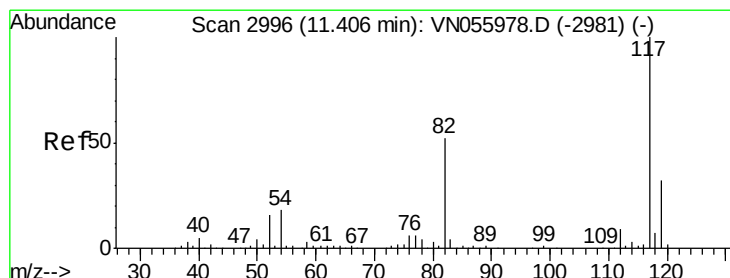
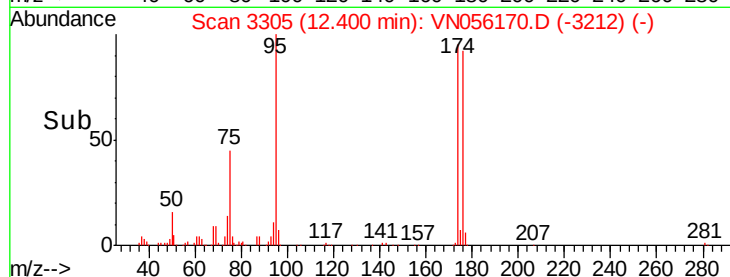
Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

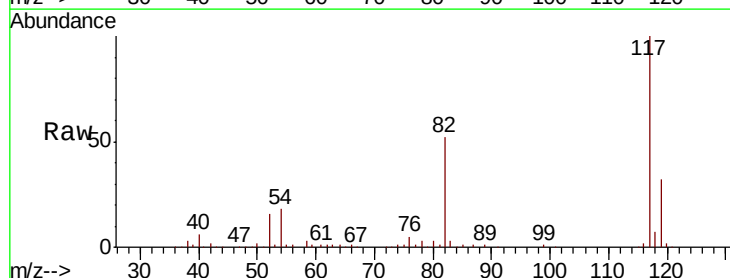
Tgt Ion: 117 Resp: 437257

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

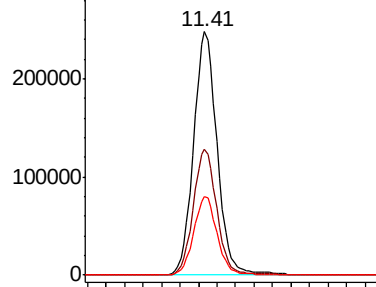
119 32.4 25.4 38.0



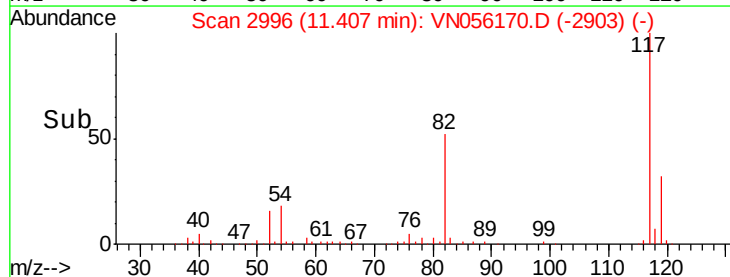
Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

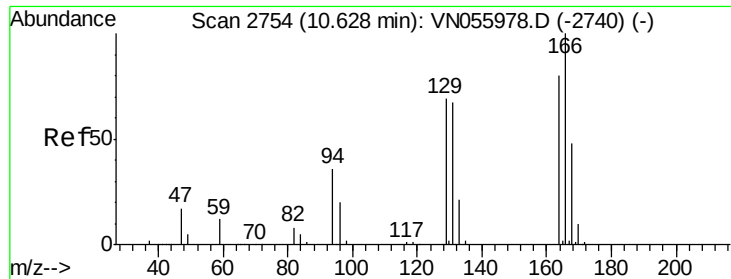
Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)



Time-->





#64

Tetrachloroethene

Concen: 5.620 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 21273

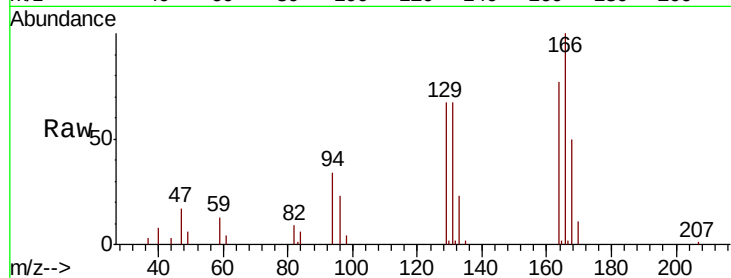
Ion Ratio Lower Upper

164 100

166 129.4 103.0 154.6

129 87.3 70.6 105.8

131 86.5 68.6 102.8

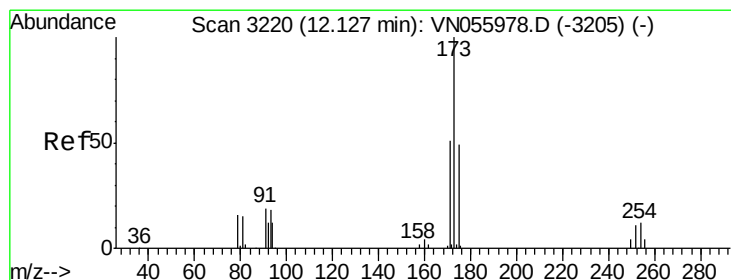
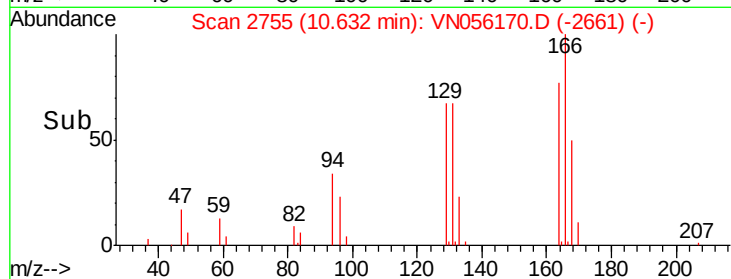
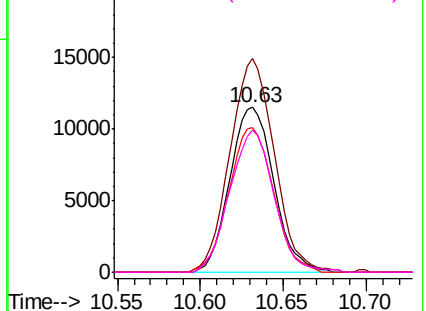


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 3.247 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

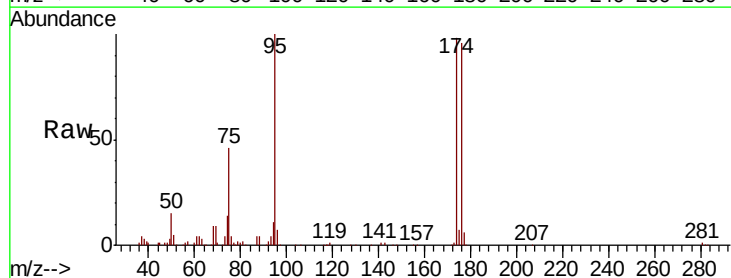
Tgt Ion:173 Resp: 1347

Ion Ratio Lower Upper

173 100

175 806.9 24.3 72.8#

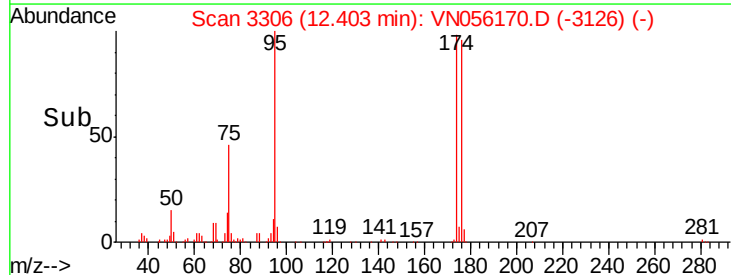
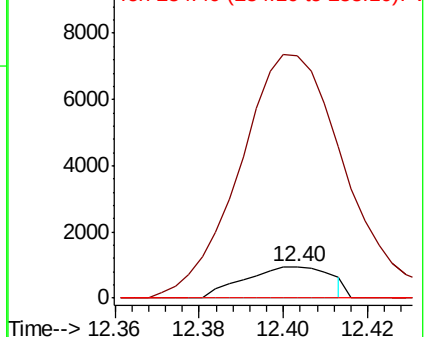
254 0.0 0.0 0.0

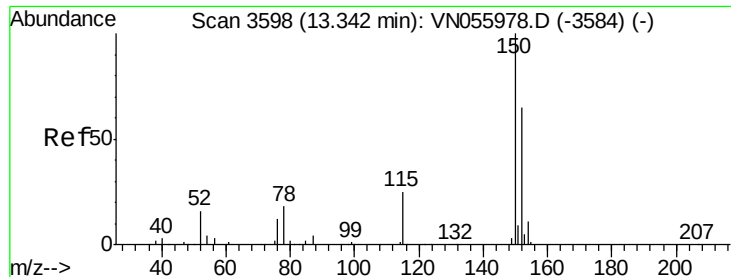


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



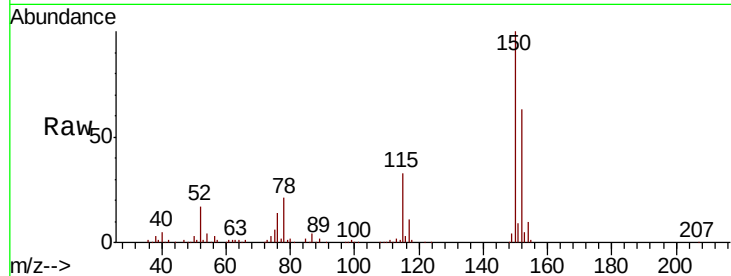


#72

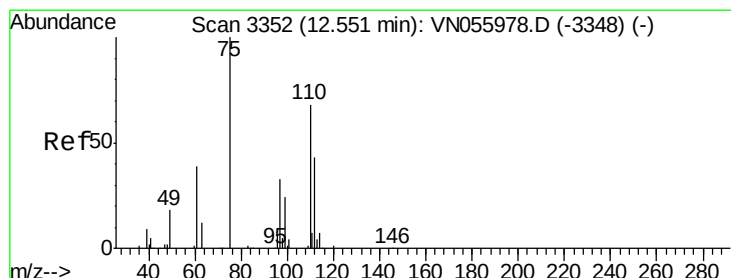
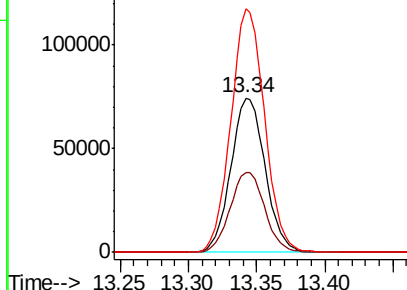
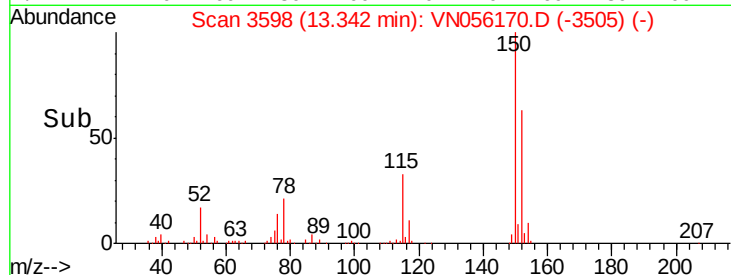
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.1	27.0	81.0
150	155.4	0.0	343.2



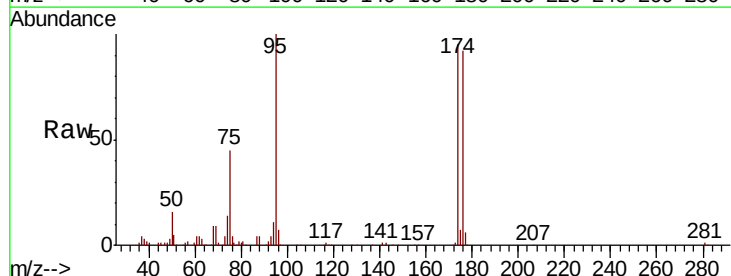
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



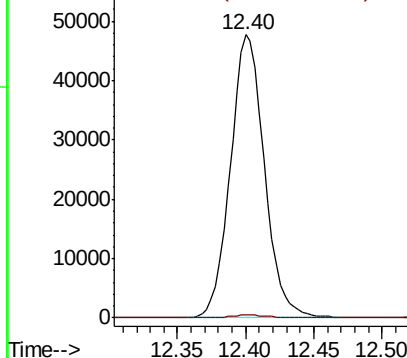
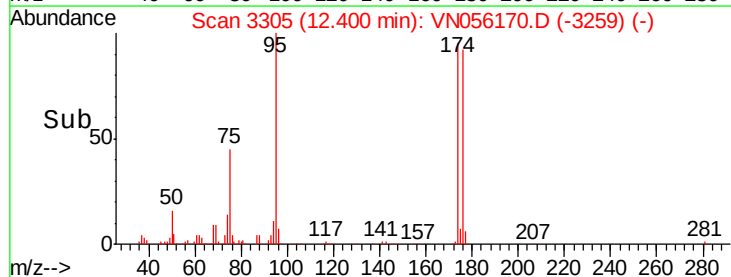
#76

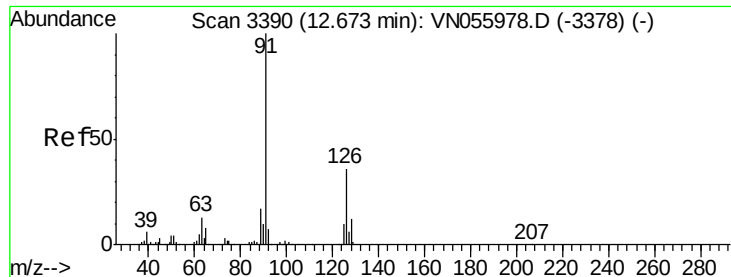
1,2,3-Trichloropropane
Concen: 34.516 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN056170.D
Acq: 10 Jun 2019 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#



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





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.27 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

Instrument :

MSVOA_N

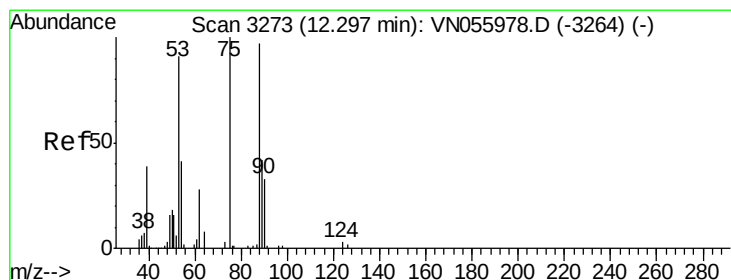
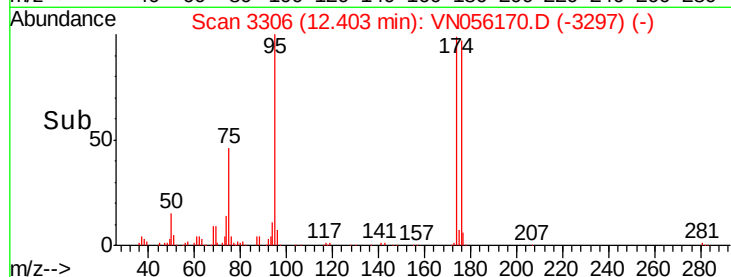
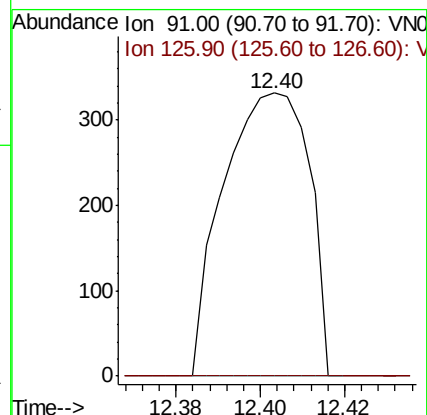
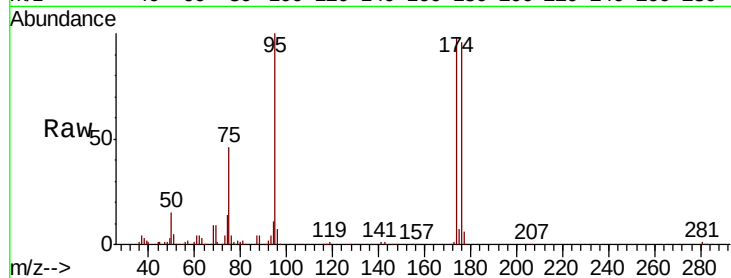
ClientSampled :

Tot Ion: 91 Resp: 467

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.944 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056170.D

Acq: 10 Jun 2019 15:22

Tgt Ion: 75 Resp: 82497

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

