

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058570.D
 Acq On : 7 Oct 2019 16:46
 Operator : JC/SP
 Sample : K5197-11 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 14:06:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	490289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	767094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	336818	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
35) Dibromofluoromethane	7.57	113	238434	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	10.09	98	959665	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.41	95	316335	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	

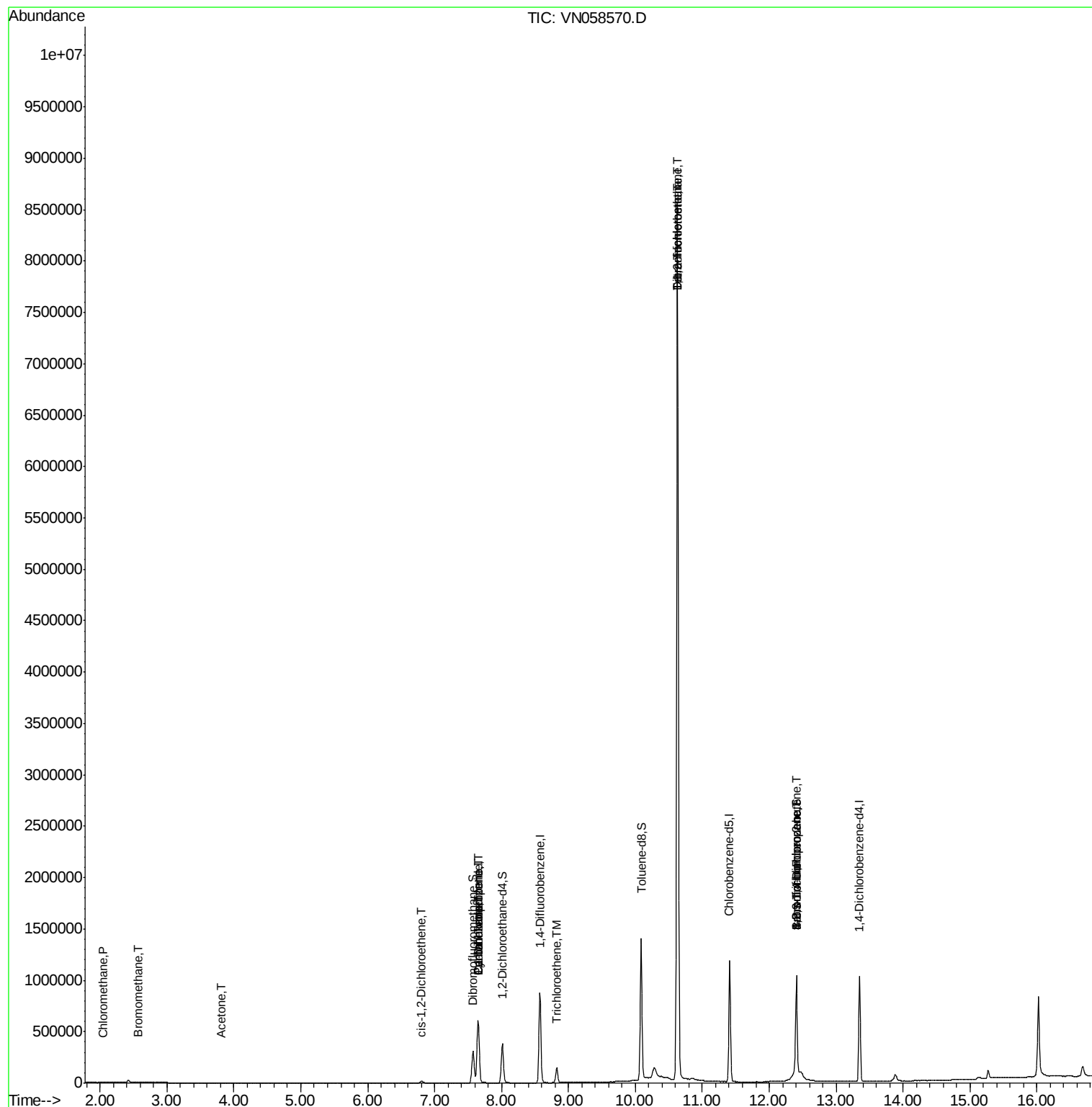
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2115	0.358	ug/l #	82
5) Bromomethane	2.56	94	715	0.232	ug/l #	28
16) Acetone	3.79	43	633	0.259	ug/l #	47
27) cis-1,2-Dichloroethene	6.81	96	5272	0.877	ug/l	86
31) Cyclohexane	7.65	56	10730	1.082	ug/l #	7
36) 1,1-Dichloropropene	7.65	75	39893	5.439	ug/l #	52
38) Carbon Tetrachloride	7.65	117	48750	7.363	ug/l #	16
44) Trichloroethene	8.82	130	53019	10.184	ug/l	94
55) 1,1,2-Trichloroethane	10.63	97	18520	3.833	ug/l #	6
60) Dibromochloromethane	10.63	129	1808623	364.925	ug/l #	11
64) Tetrachloroethene	10.63	164	1932414	457.939	ug/l	98
71) Bromoform	12.41	173	1051	1.032	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	169744	35.354	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	169744	107.375	ug/l #	7

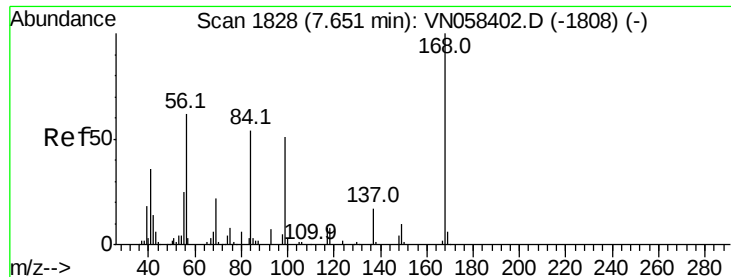
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

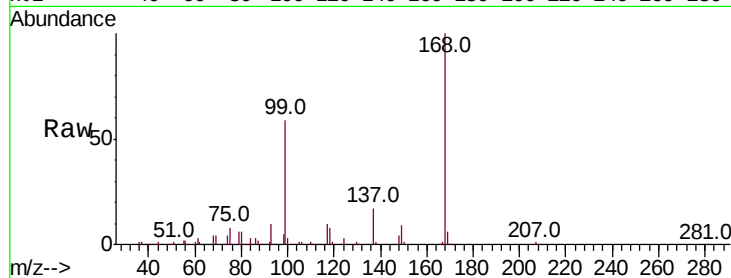
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 490289

Ion Ratio Lower Upper

168 100

99 59.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

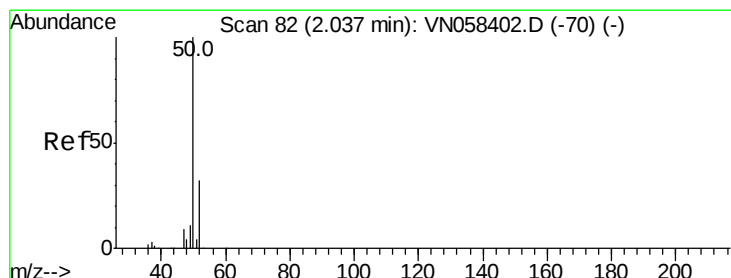
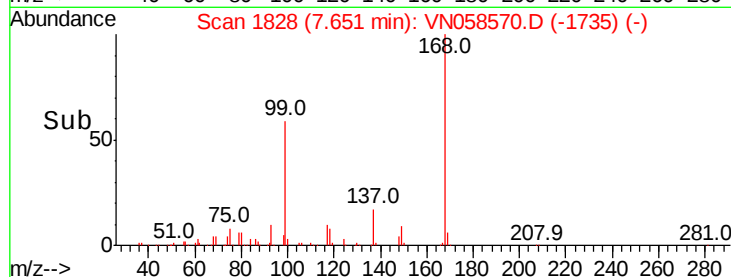
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.358 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058570.D

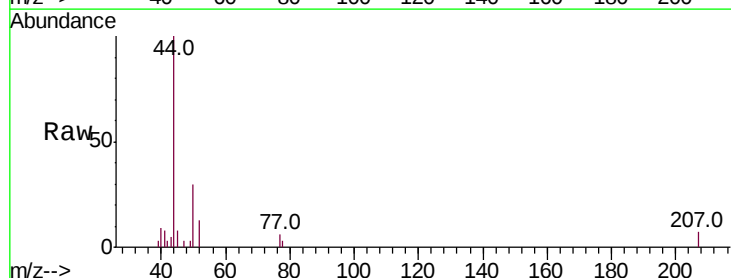
Acq: 7 Oct 2019 16:46

Tgt Ion: 50 Resp: 2115

Ion Ratio Lower Upper

50 100

52 42.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

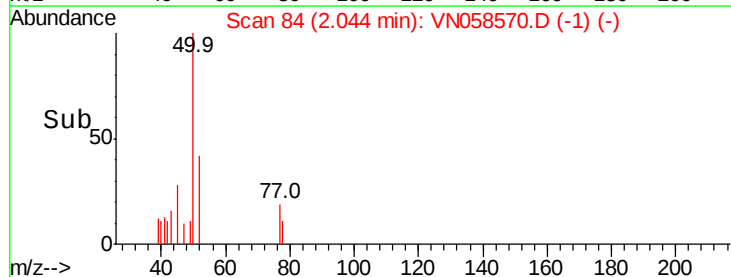
1500

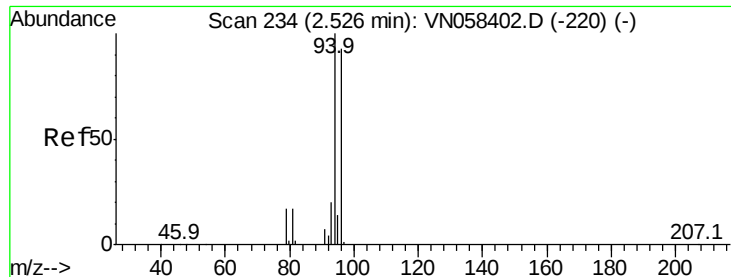
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.232 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.04 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Instrument :

MSVOA_N

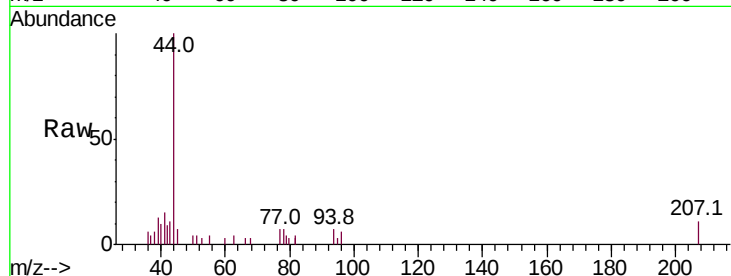
ClientSampled :

Tot Ion: 94 Resp: 715

Ion Ratio Lower Upper

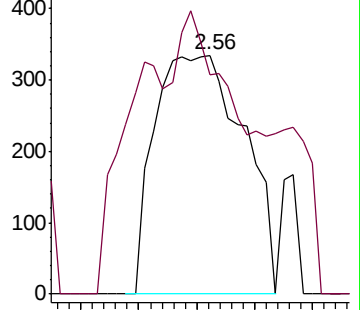
94 100

96 24.5 74.8 112.2#

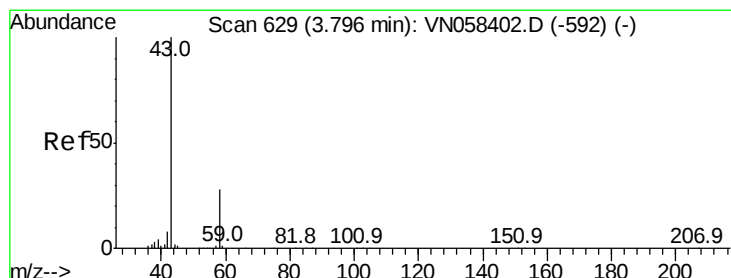
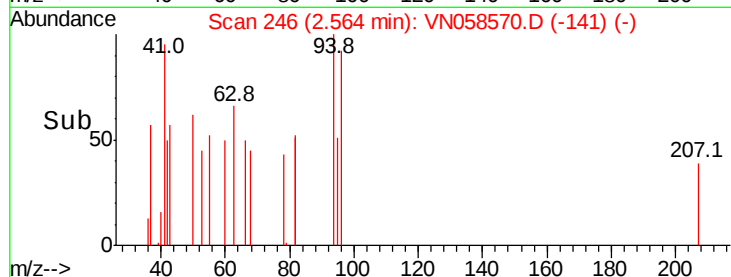


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#16

Acetone

Concen: 0.259 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058570.D

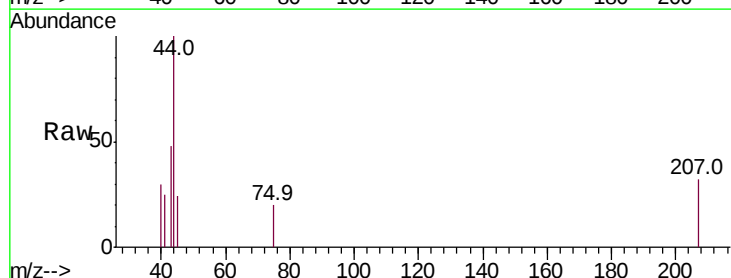
Acq: 7 Oct 2019 16:46

Tgt Ion: 43 Resp: 633

Ion Ratio Lower Upper

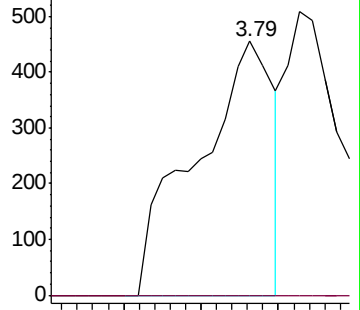
43 100

58 0.0 22.4 33.6#

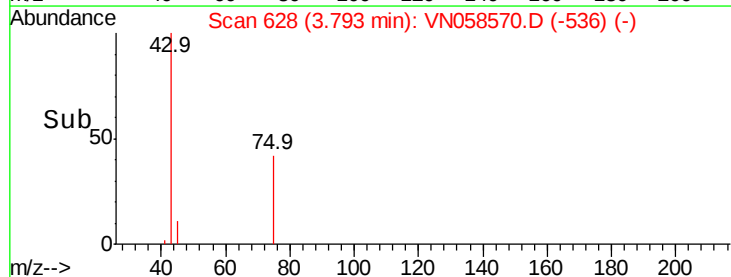


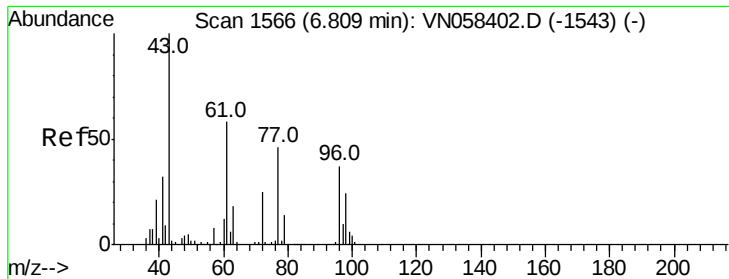
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 0.877 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :

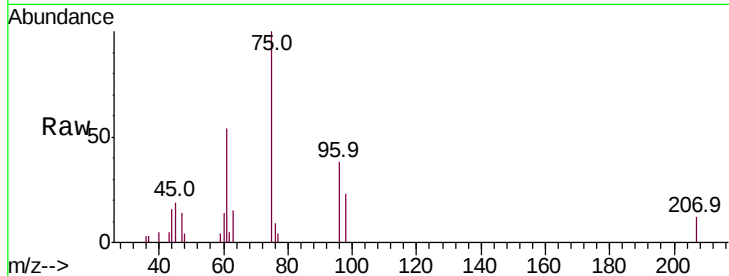
Tot Ion: 96 Resp: 5272

Ion Ratio Lower Upper

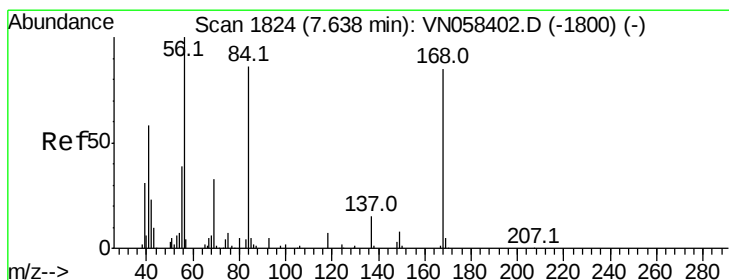
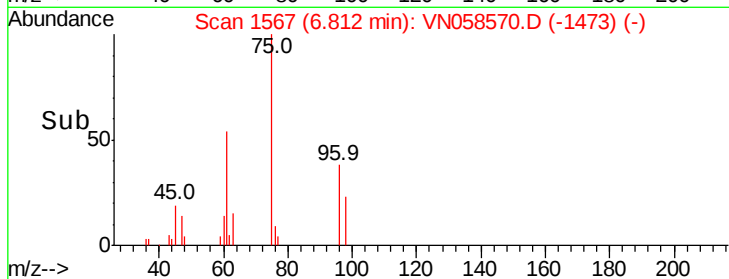
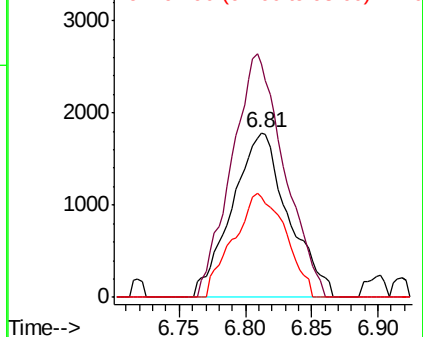
96 100

61 138.0 0.0 318.8

98 58.3 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



#31

Cyclohexane

Concen: 1.082 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

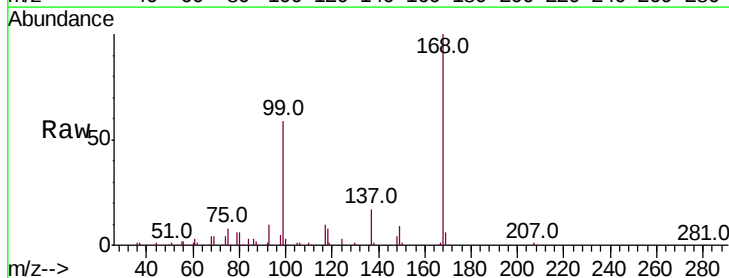
Tgt Ion: 56 Resp: 10730

Ion Ratio Lower Upper

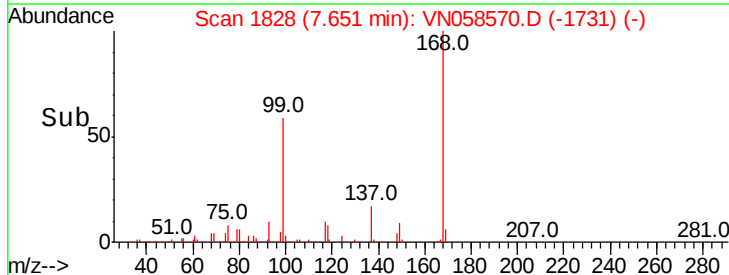
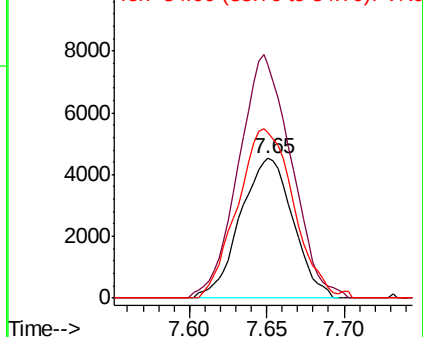
56 100

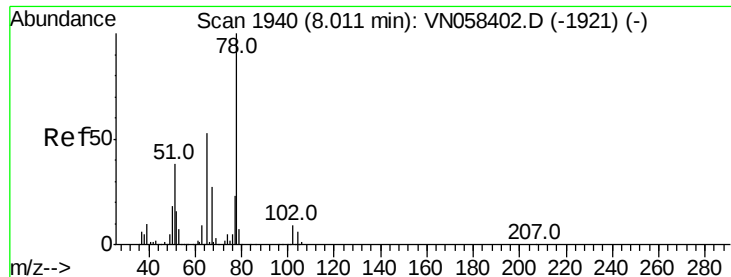
69 166.6 26.2 39.4#

84 118.0 67.6 101.4#



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

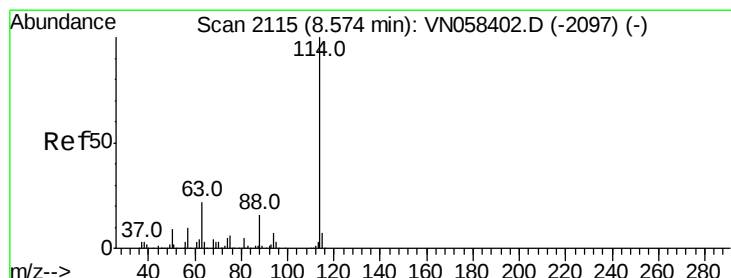
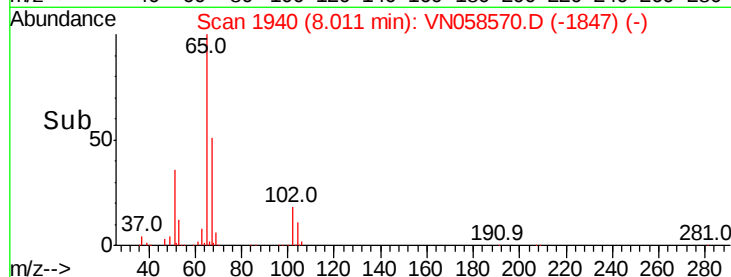
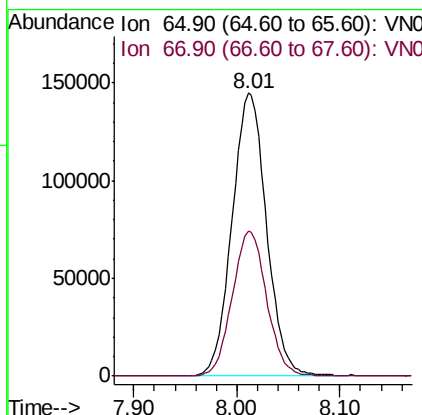
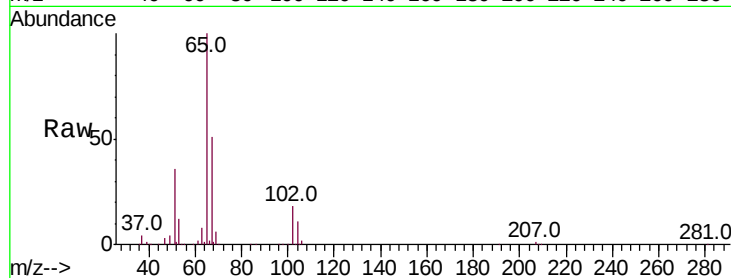




#33
 1,2-Dichloroethane-d4
 Concen: 47.010 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058570.D
 Acq: 7 Oct 2019 16:46

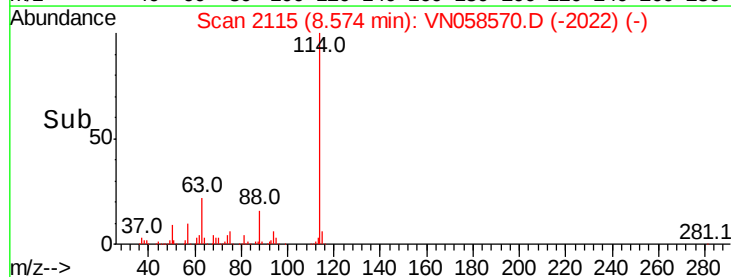
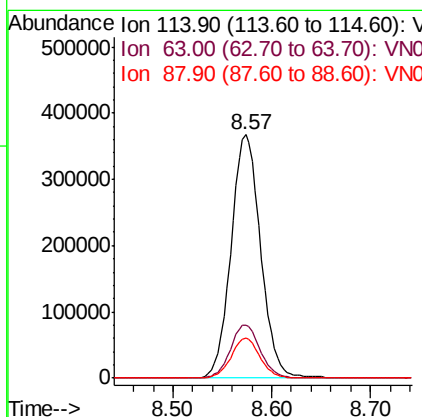
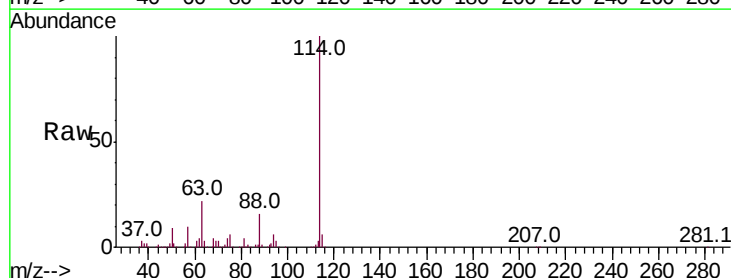
Instrument :
 MSVOA_N
 ClientSampleId :

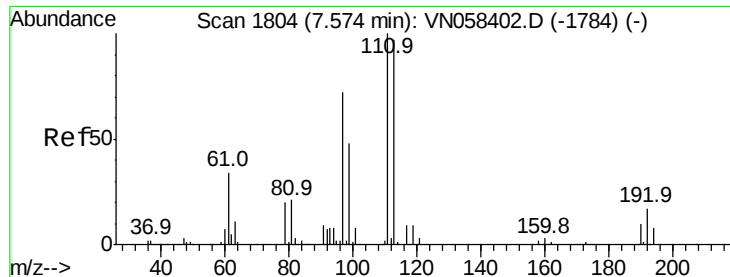
Tot Ion: 65 Resp: 336818
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058570.D
 Acq: 7 Oct 2019 16:46

Tgt Ion: 114 Resp: 767094
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.0
 88 16.3 0.0 32.2

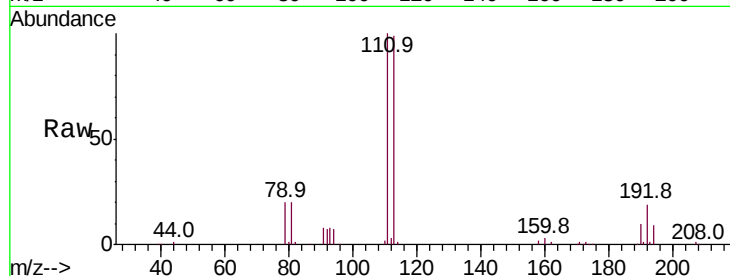




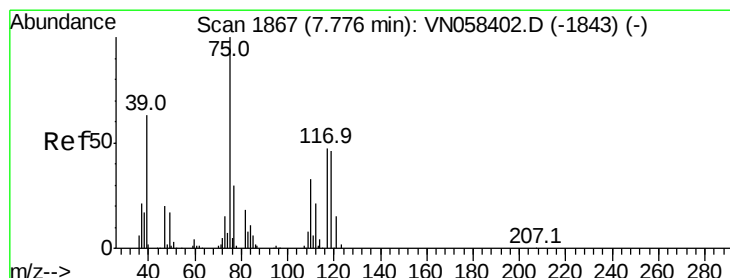
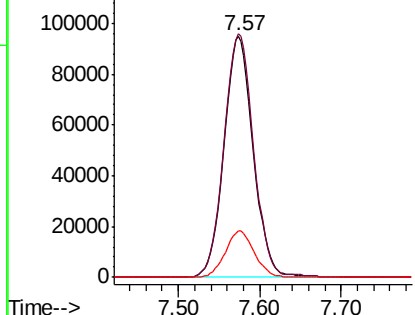
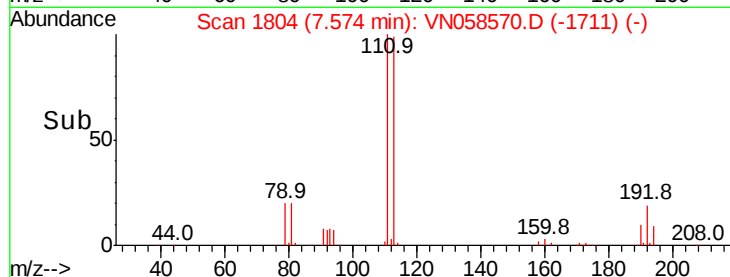
#35
 Dibromofluoromethane
 Concen: 50.715 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058570.D
 Acq: 7 Oct 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.4	125.2
192	19.2	14.9	22.3

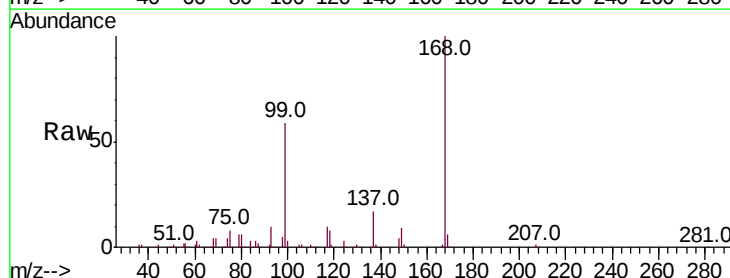


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

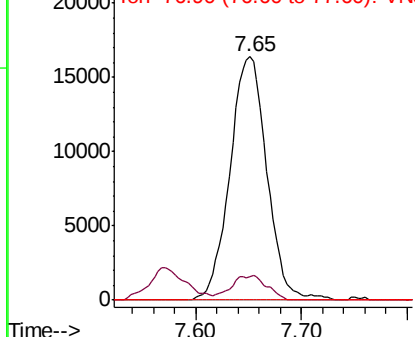
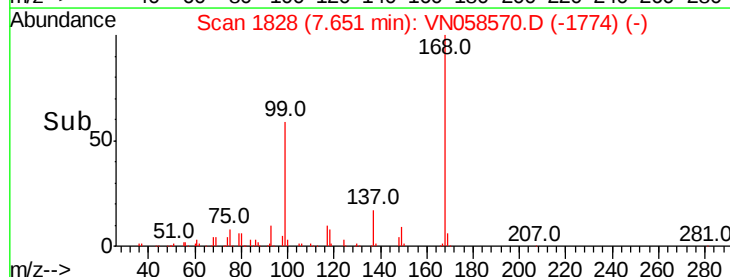


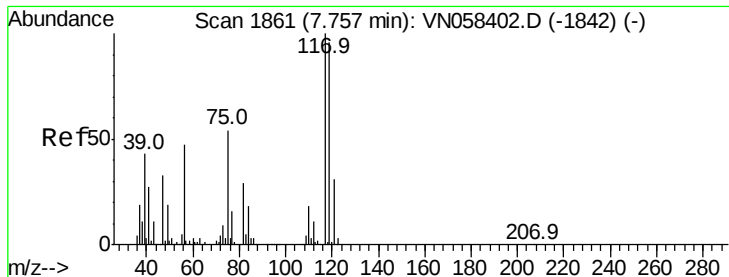
#36
 1,1-Dichloropropene
 Concen: 5.439 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058570.D
 Acq: 7 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.4	49.2#
77	0.0	24.3	36.5#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.363 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Instrument :
MSVOA_N
ClientSampled :

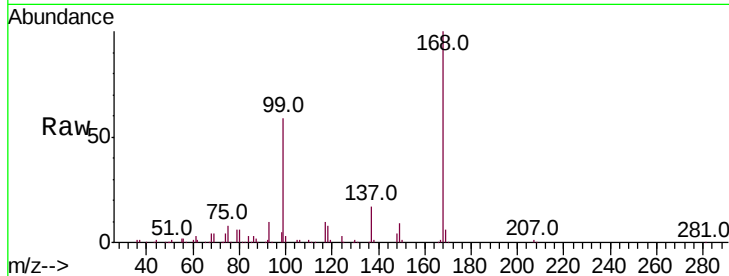
Tot Ion:117 Resp: 48750

Ion Ratio Lower Upper

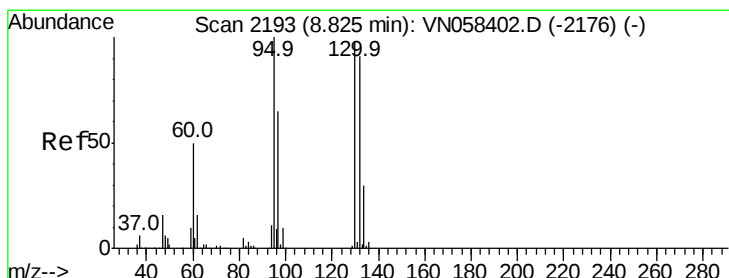
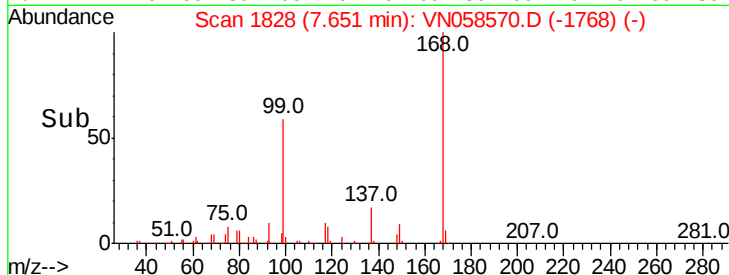
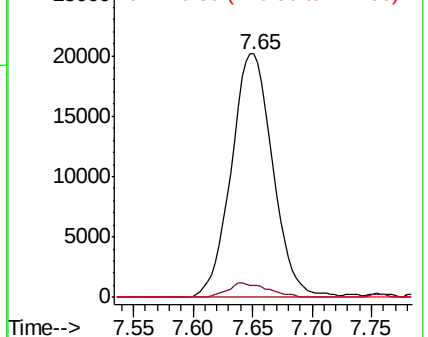
117 100

119 5.2 76.6 115.0#

121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 10.184 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058570.D

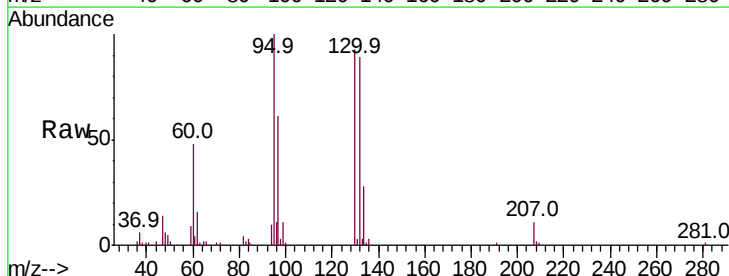
Acq: 7 Oct 2019 16:46

Tgt Ion:130 Resp: 53019

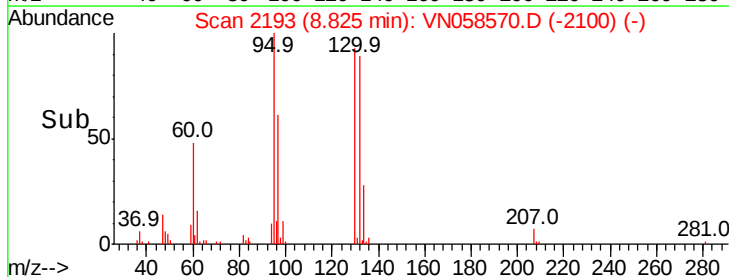
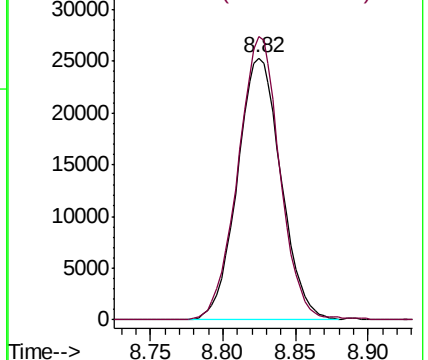
Ion Ratio Lower Upper

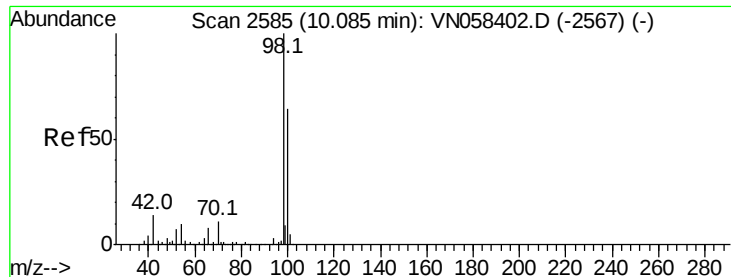
130 100

95 108.0 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 52.106 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Instrument :

MSVOA_N

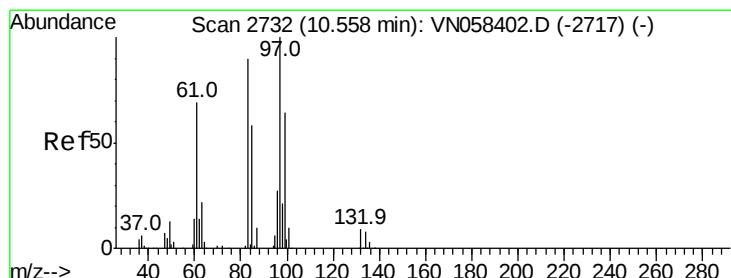
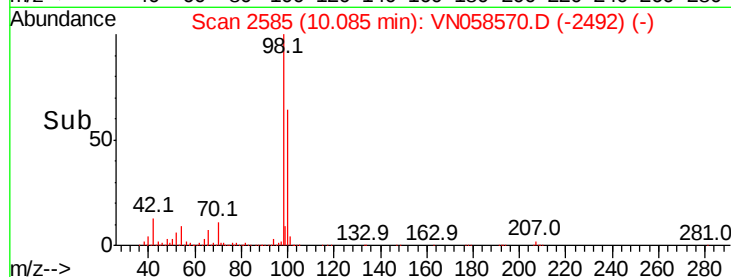
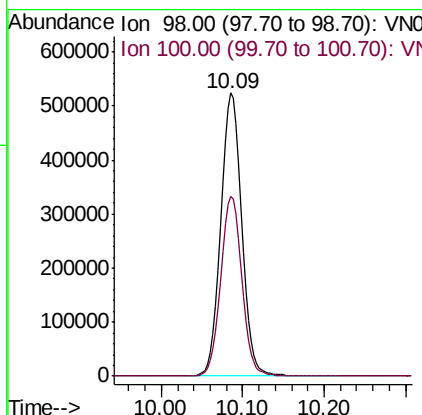
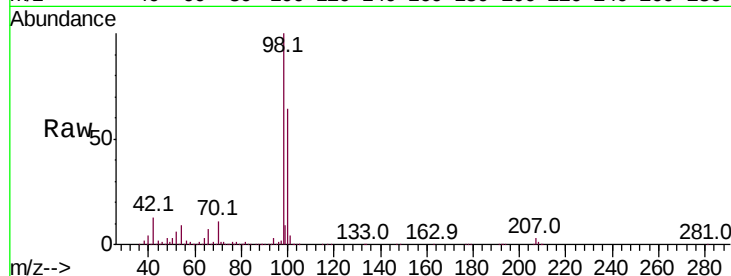
ClientSampleId :

Tot Ion: 98 Resp: 959665

Ion Ratio Lower Upper

98 100

100 64.0 51.0 76.6



#55

1,1,2-Trichloroethane

Concen: 3.833 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.07 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Tgt Ion: 97 Resp: 18520

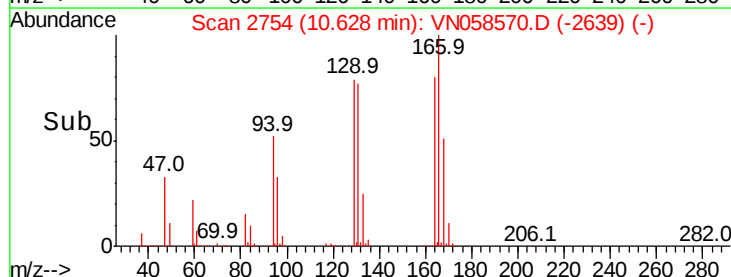
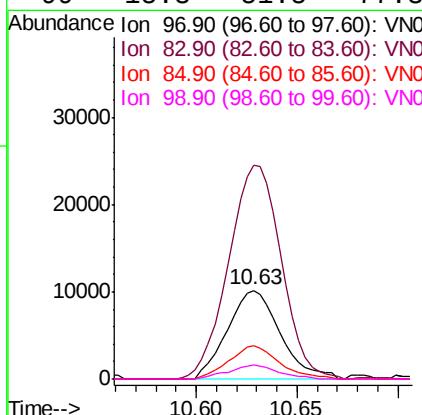
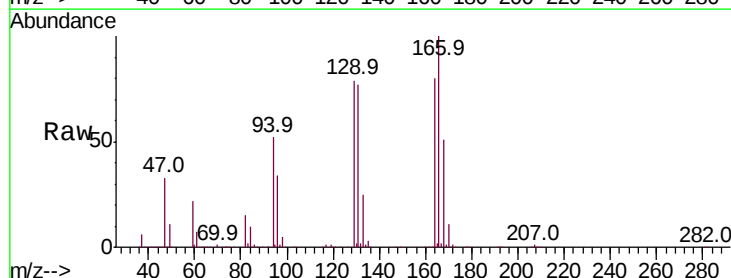
Ion Ratio Lower Upper

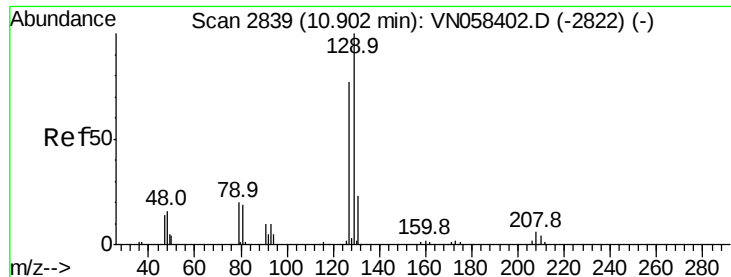
97 100

83 239.0 71.8 107.6#

85 37.9 46.6 69.8#

99 15.3 51.5 77.3#





#60

Dibromochloromethane

Concen: 364.925 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Instrument :

MSVOA_N

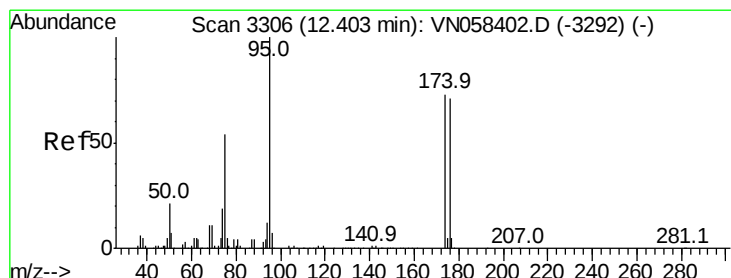
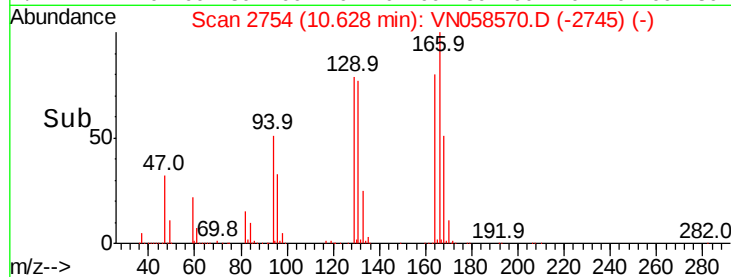
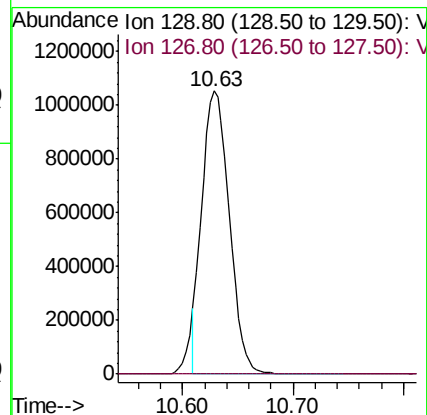
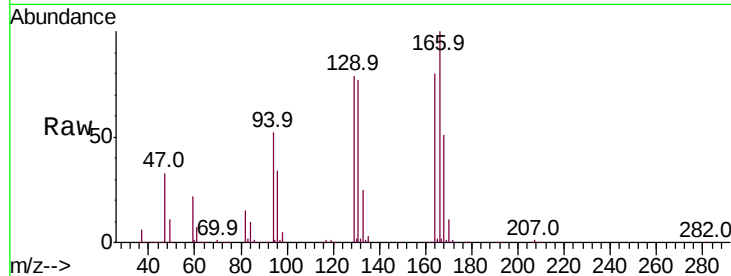
ClientSampled :

Tot Ion:129 Resp: 1808623

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



#62

4-Bromofluorobenzene

Concen: 47.502 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

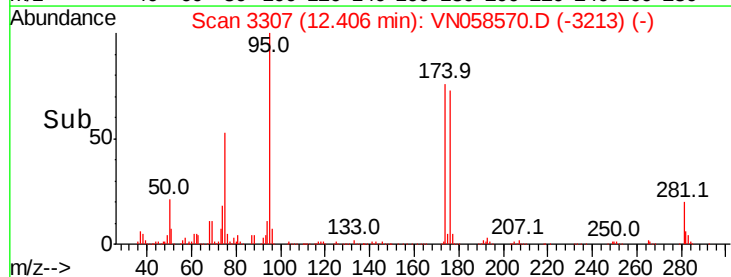
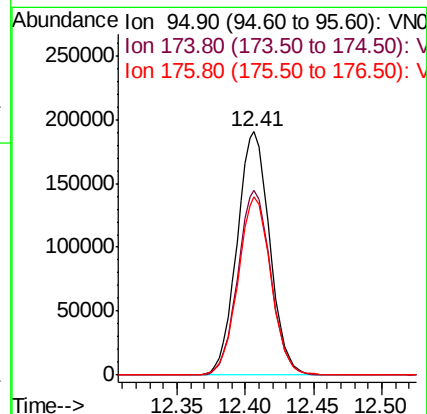
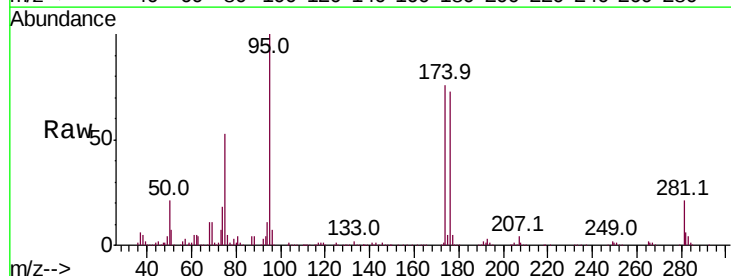
Tgt Ion: 95 Resp: 316335

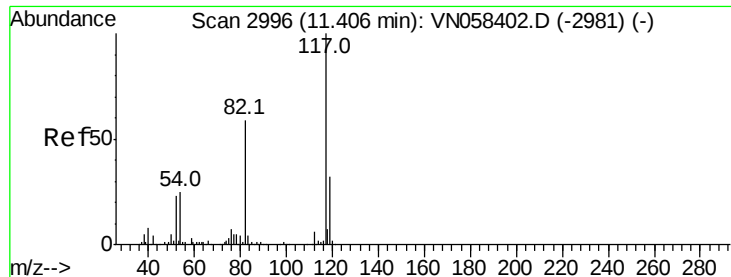
Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.6

176 73.6 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

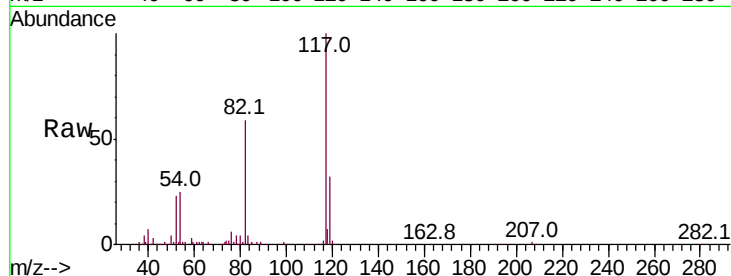
Tot Ion:117 Resp: 664188

Ion Ratio Lower Upper

117 100

82 59.3 47.4 71.0

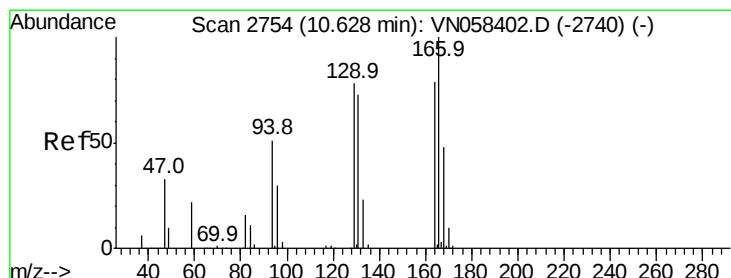
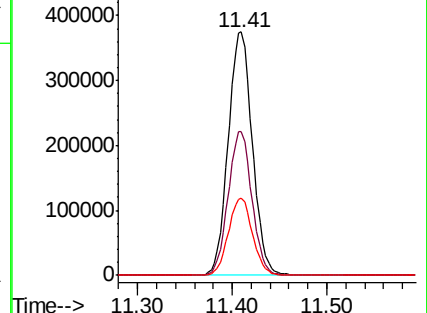
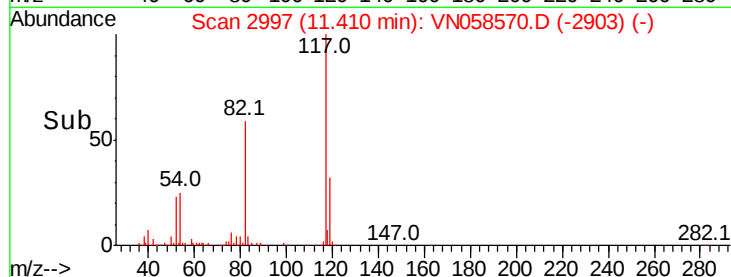
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 457.939 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Tgt Ion:164 Resp: 1932414

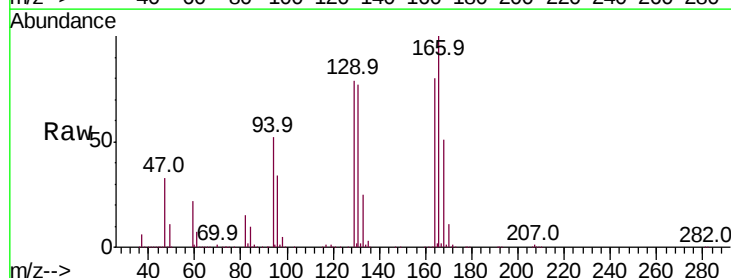
Ion Ratio Lower Upper

164 100

166 124.5 101.1 151.7

129 98.7 79.2 118.8

131 95.5 74.1 111.1

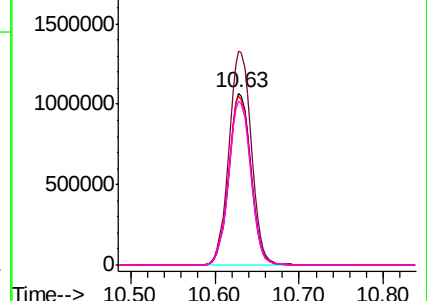
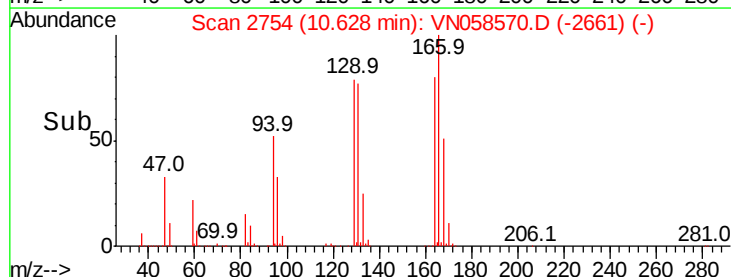


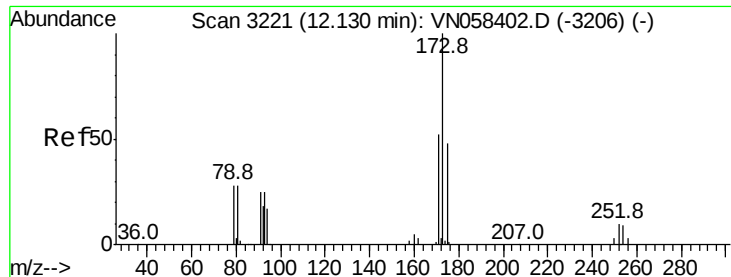
Abundance Ion 163.80 (163.50 to 164.50): V

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: 1.032 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

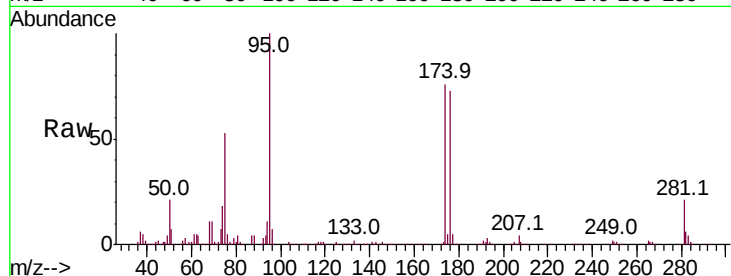
Tot Ion:173 Resp: 1051

Ion Ratio Lower Upper

173 100

175 1408.3 24.3 73.0#

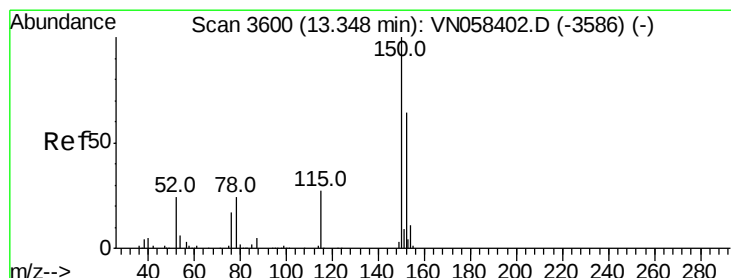
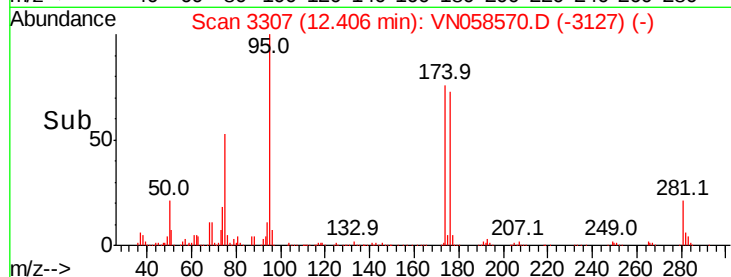
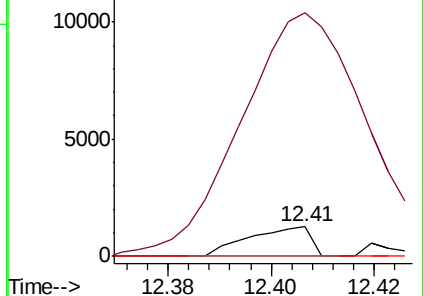
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

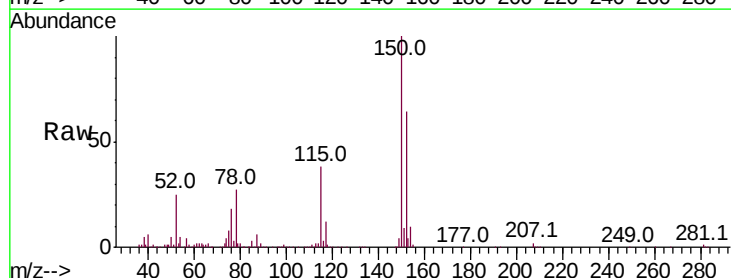
Tgt Ion:152 Resp: 262864

Ion Ratio Lower Upper

152 100

115 61.6 30.0 90.0

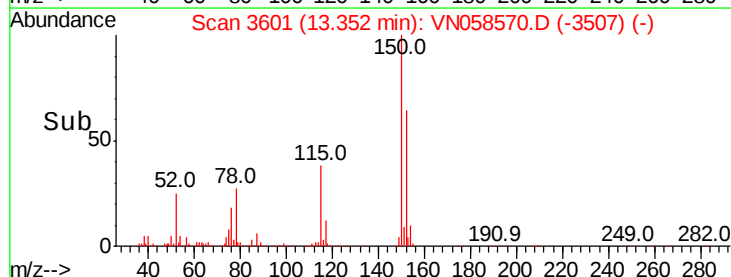
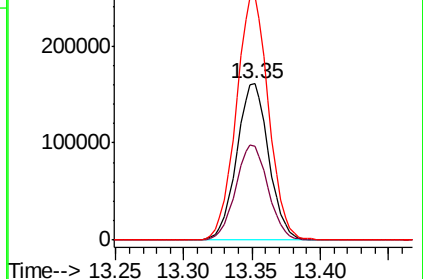
150 157.4 0.0 348.2

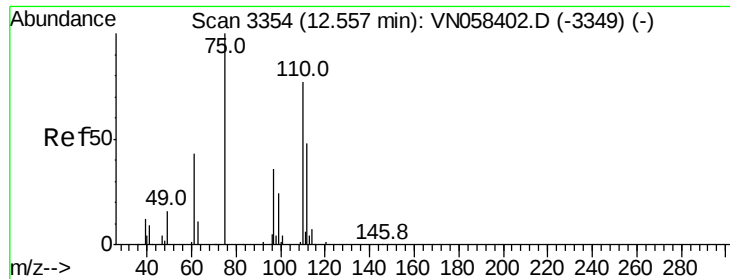


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.354 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Instrument :

MSVOA_N

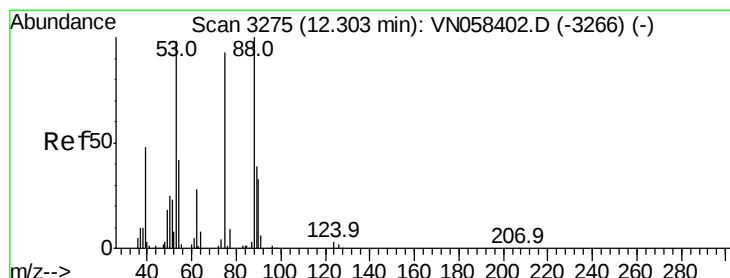
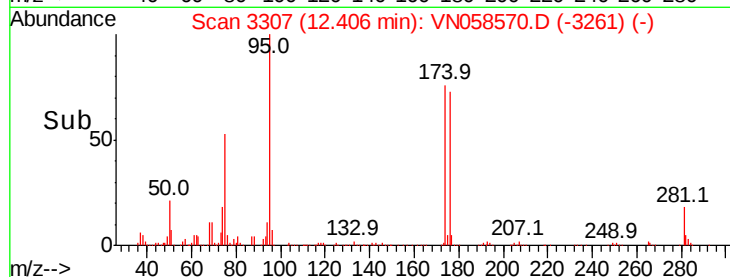
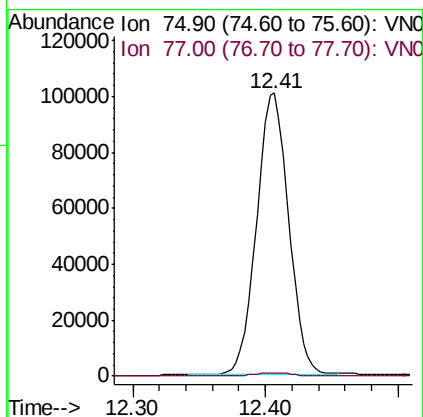
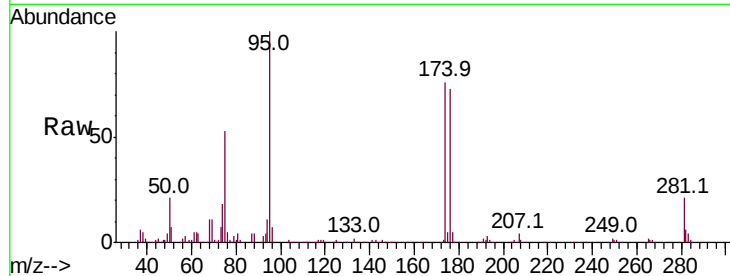
ClientSampleId :

Tot Ion: 75 Resp: 169744

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.375 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058570.D

Acq: 7 Oct 2019 16:46

Tgt Ion: 75 Resp: 169744

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.2 35.0 52.4#

