

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058877.D
 Acq On : 21 Oct 2019 11:05
 Operator : JC/SP
 Sample : K5452-07
 Misc : 5.00mL/MSVOA N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422

Quant Time: Oct 22 03:16:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	420812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	681560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	596293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	223574	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	324686	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	7.57	113	231261	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
50) Toluene-d8	10.08	98	871685	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.40	95	277702	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	

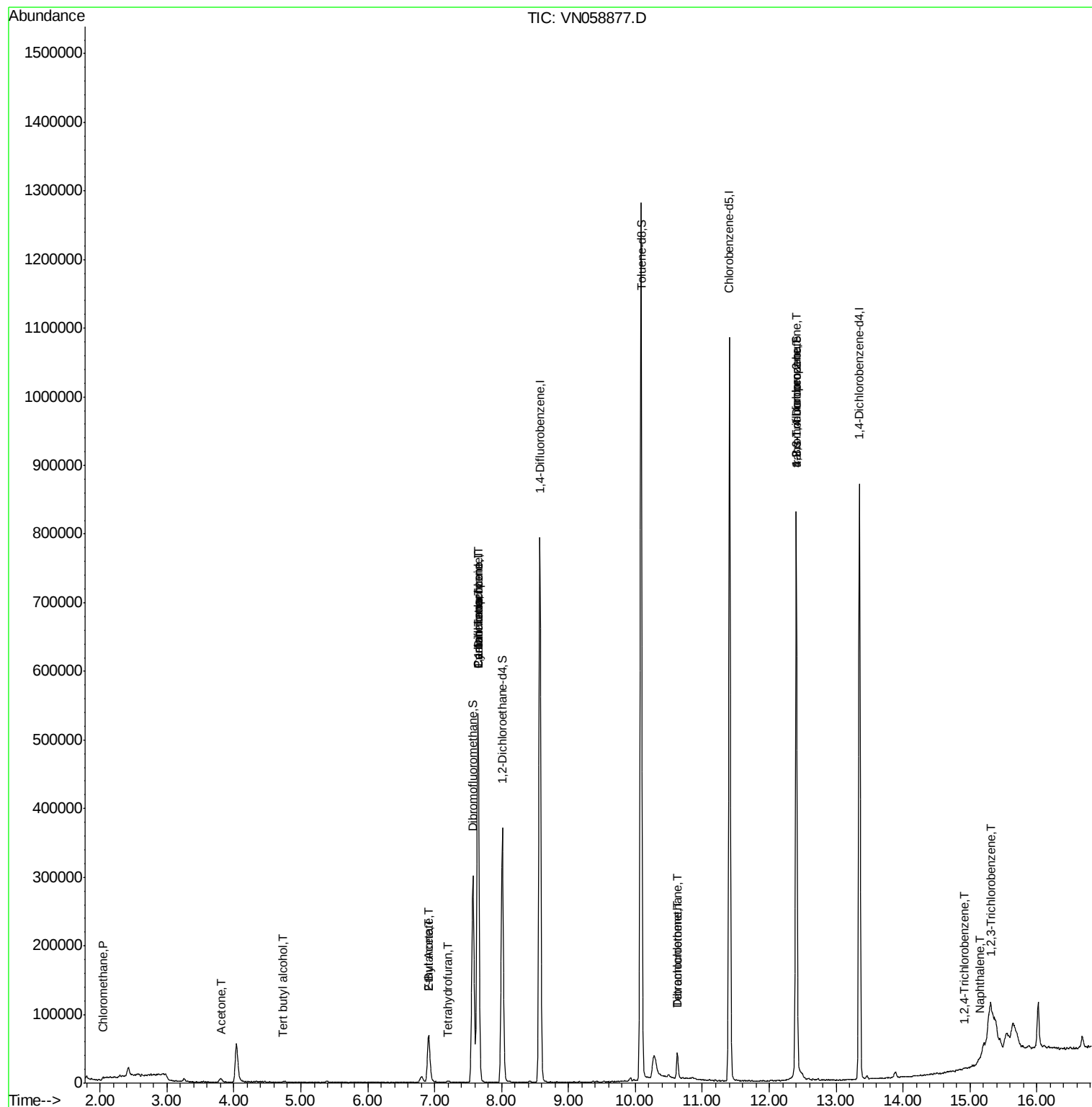
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2672	0.411	ug/l #	85
11) Tert butyl alcohol	4.74	59	241	0.235	ug/l #	72
16) Acetone	3.80	43	9892	3.244	ug/l	99
25) 2-Butanone	6.91	43	115596	29.199	ug/l #	51
29) Tetrahydrofuran	7.20	42	1469	0.607	ug/l #	63
31) Cyclohexane	7.64	56	10092	1.138	ug/l #	11
36) 1,1-Dichloropropene	7.65	75	37268	5.341	ug/l #	50
37) Ethyl Acetate	6.91	43	115596	15.204	ug/l	98
38) Carbon Tetrachloride	7.65	117	44223	6.152	ug/l #	16
60) Dibromochloromethane	10.63	129	7786	1.445	ug/l #	10
64) Tetrachloroethene	10.63	164	8433	2.019	ug/l	93
76) 1,2,3-Trichloropropane	12.40	75	147392	28.445	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	147392	74.103	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.91	180	29	2.527	ug/l #	13
95) Naphthalene	15.14	128	510	2.263	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	419	2.486	ug/l #	19

(#) = 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# 1827

Delta R.T. -0.00 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

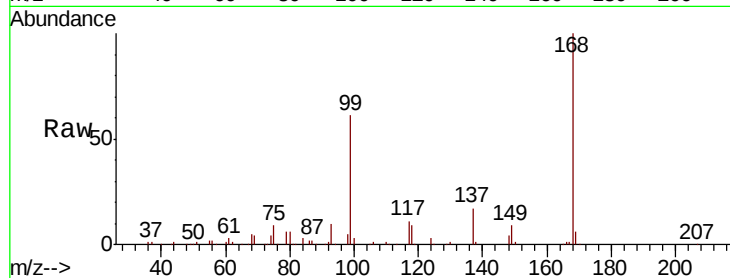
FA19-MMW0422

Tot Ion:168 Resp: 420812

Ion Ratio Lower Upper

168 100

99 60.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058877.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN058877.D (-1734) (-)

7.65

200000

150000

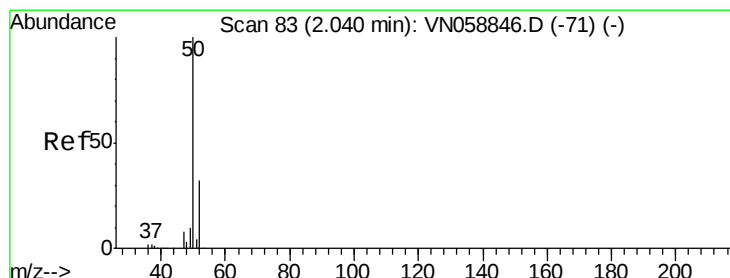
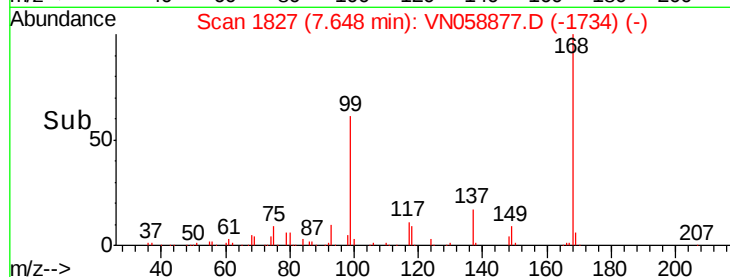
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.411 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058877.D

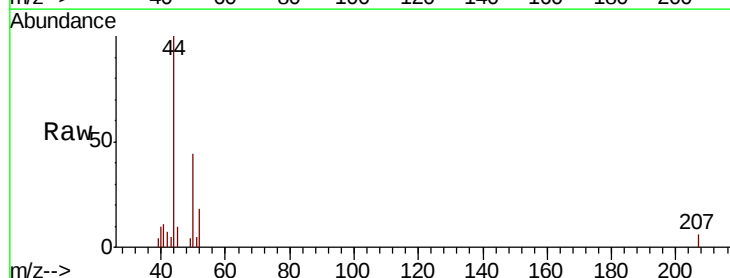
Acq: 21 Oct 2019 11:05

Tgt Ion: 50 Resp: 2672

Ion Ratio Lower Upper

50 100

52 40.5 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VN058877.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN058877.D (-1) (-)

2000

1500

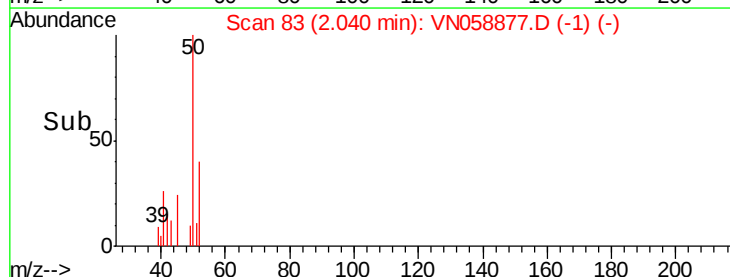
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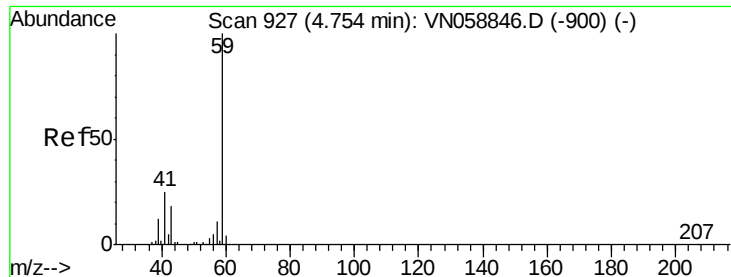
500

0

2.00 2.05 2.10

Time-->

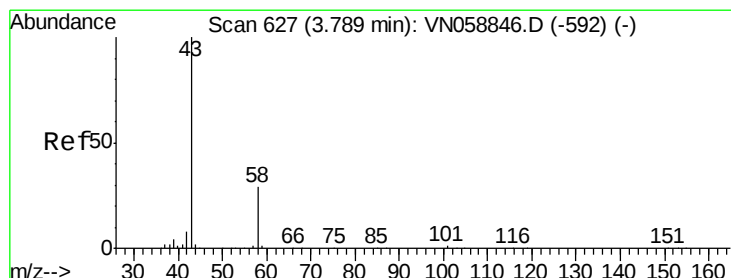
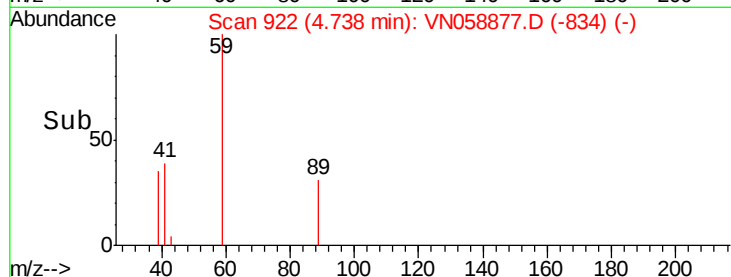
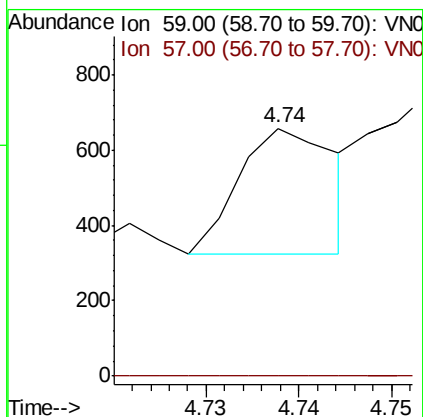
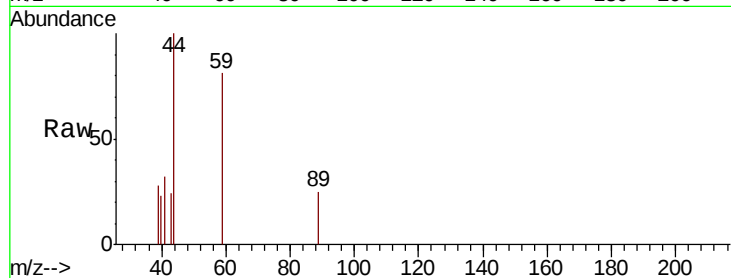




#11
Tert butyl alcohol
Concen: 0.235 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.02 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

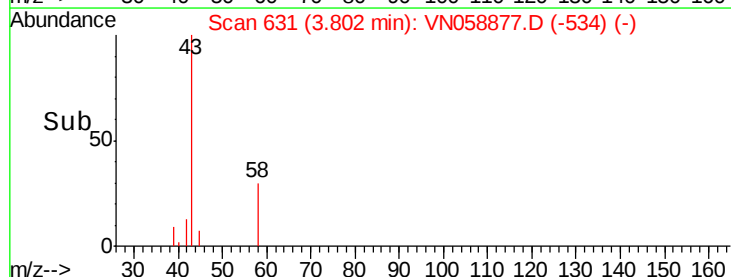
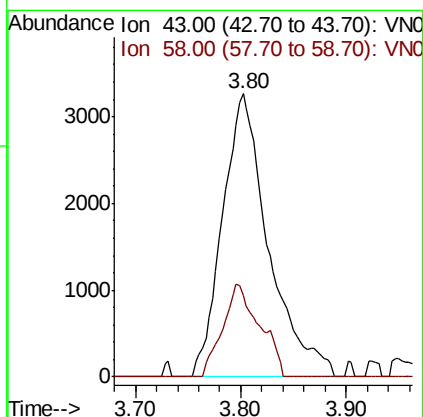
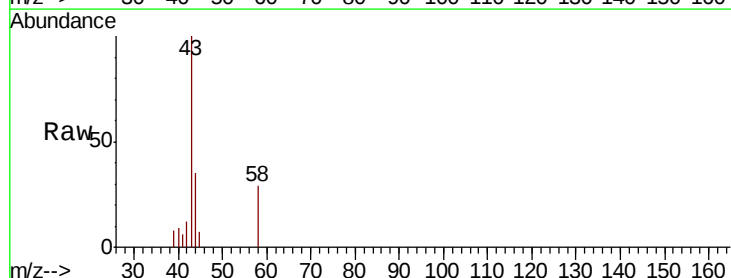
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422

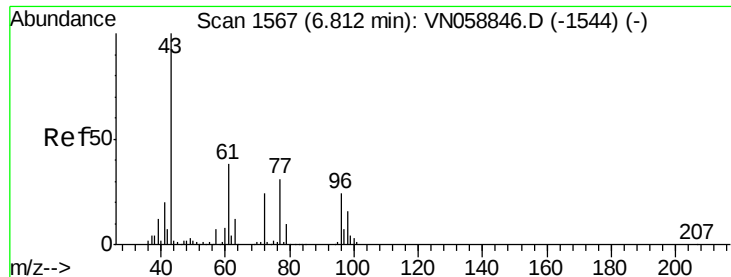
Tot Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 3.244 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 43 Resp: 9892
Ion Ratio Lower Upper
43 100
58 28.5 23.1 34.7





#25

2-Butanone

Concen: 29.199 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.10 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

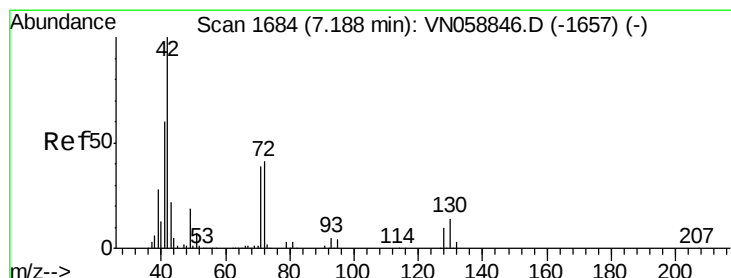
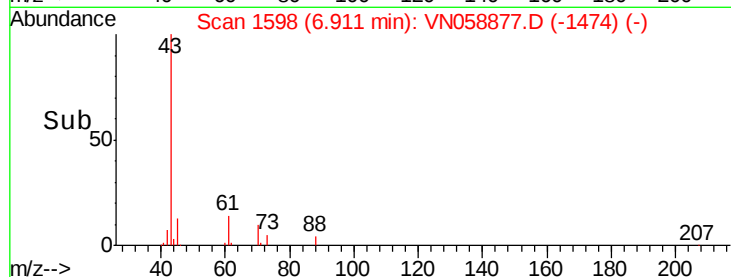
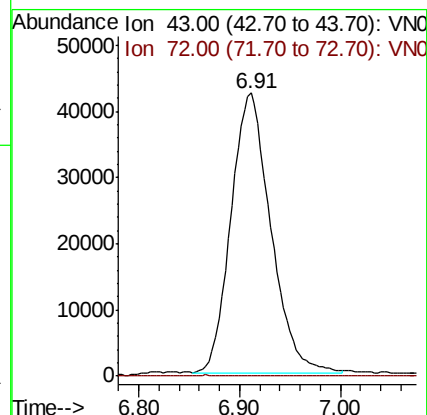
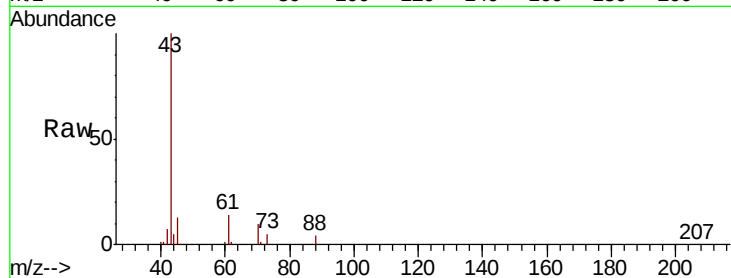
FA19-MMW0422

Tot Ion: 43 Resp: 115596

Ion Ratio Lower Upper

43 100

72 0.0 19.1 28.7#



#29

Tetrahydrofuran

Concen: 0.607 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

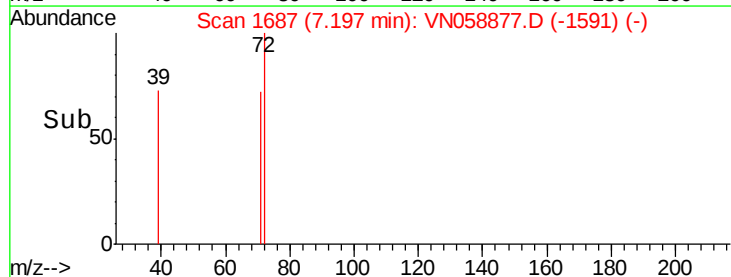
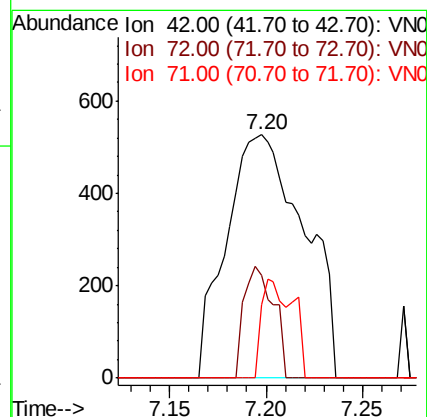
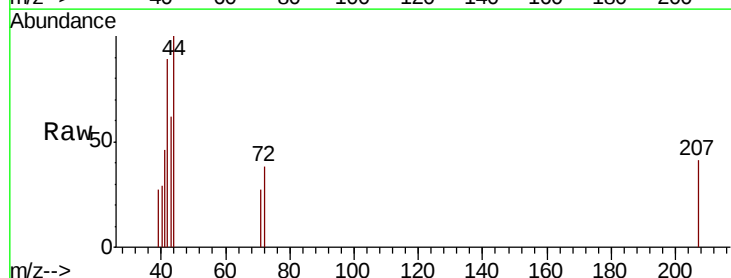
Tgt Ion: 42 Resp: 1469

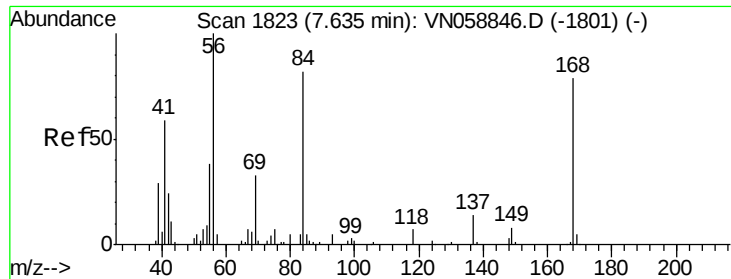
Ion Ratio Lower Upper

42 100

72 17.4 32.2 48.2#

71 16.3 30.6 45.8#

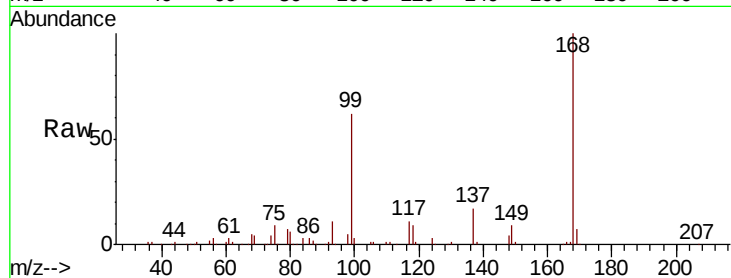




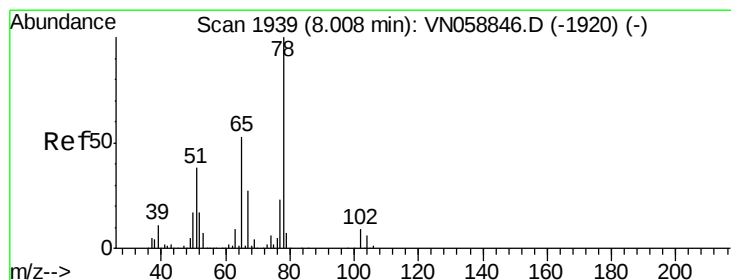
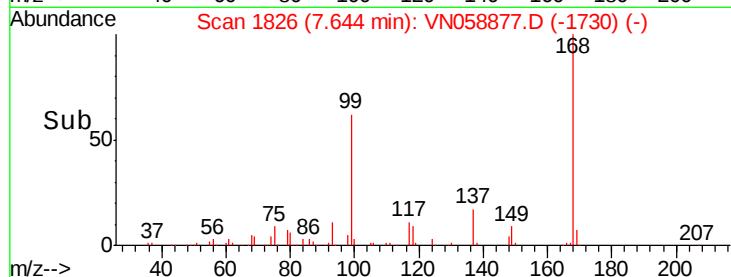
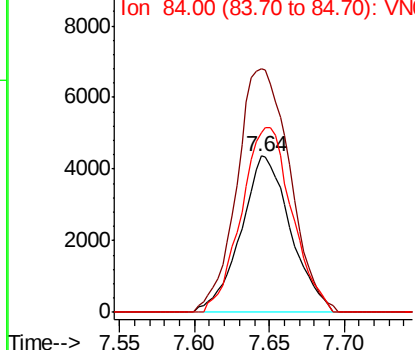
#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422

Tot Ion: 56 Resp: 10092
Ion Ratio Lower Upper
56 100
69 155.9 26.2 39.4#
84 115.2 65.6 98.4#

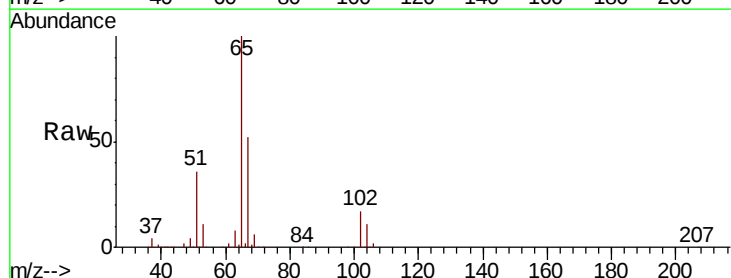


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

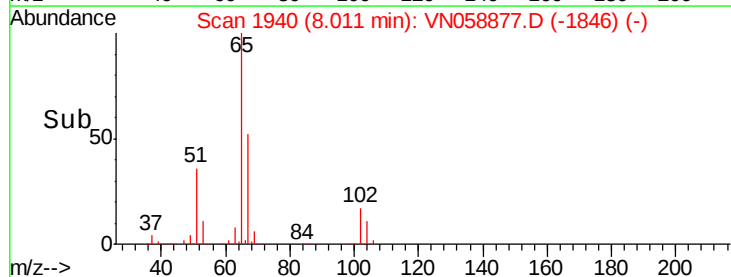
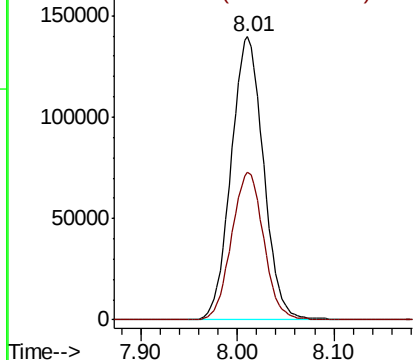


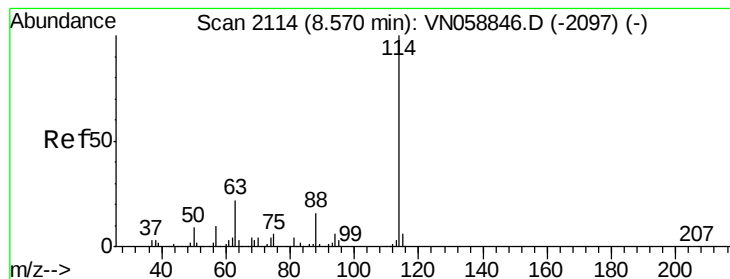
#33
1,2-Dichloroethane-d4
Concen: 52.607 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 65 Resp: 324686
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422

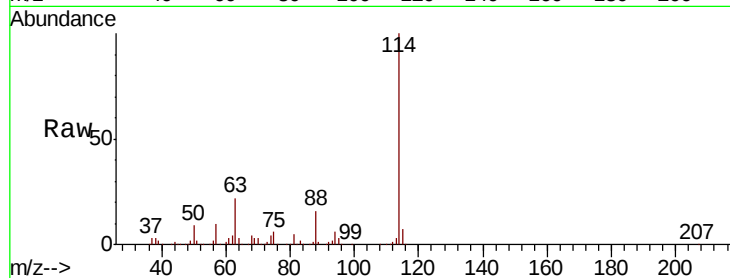
Tot Ion:114 Resp: 681560

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.4

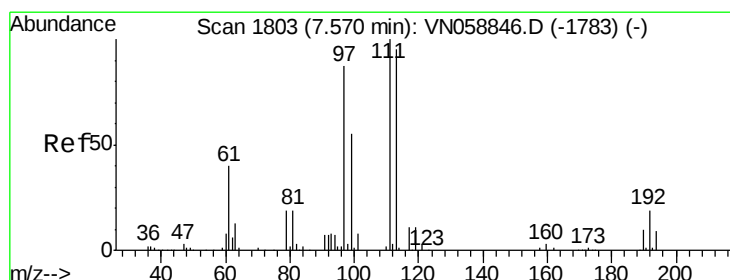
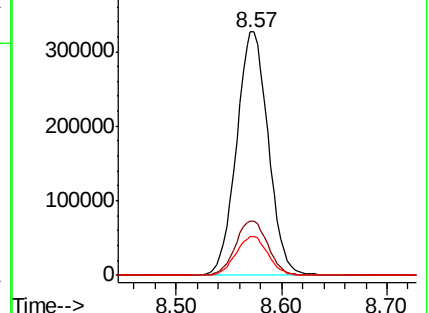
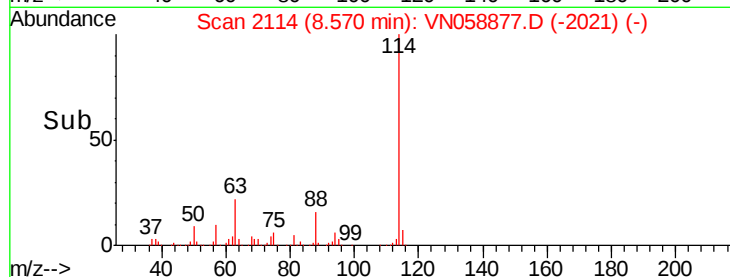
88 15.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 51.608 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

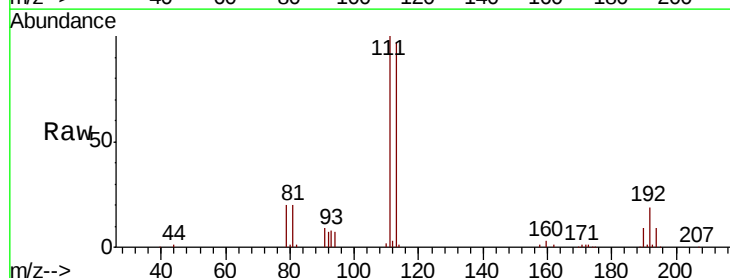
Tgt Ion:113 Resp: 231261

Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

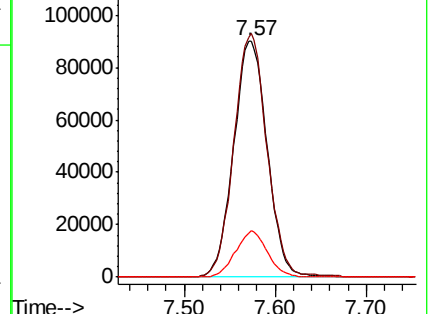
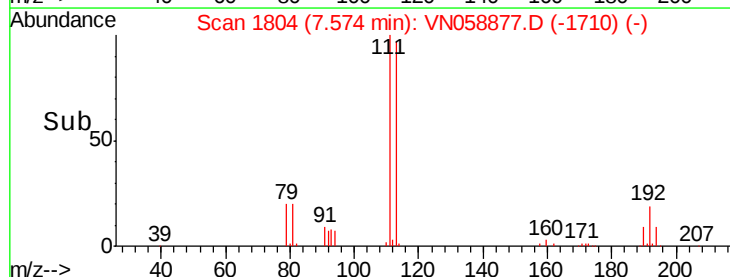
192 18.5 15.0 22.6

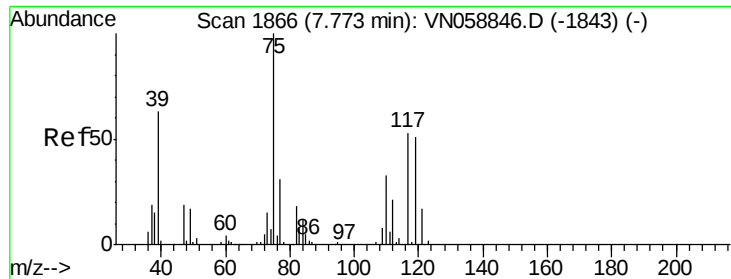


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

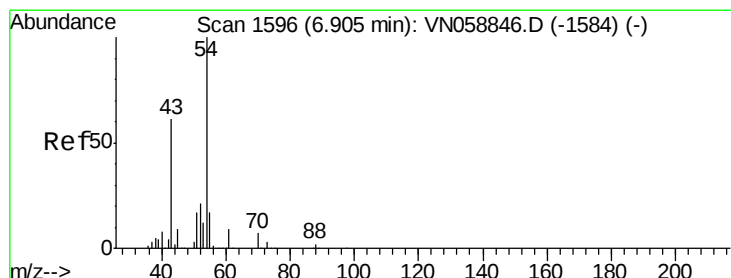
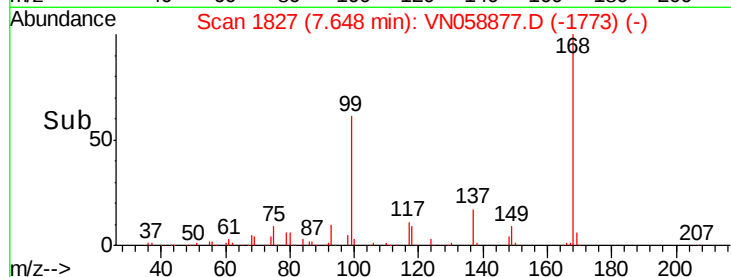
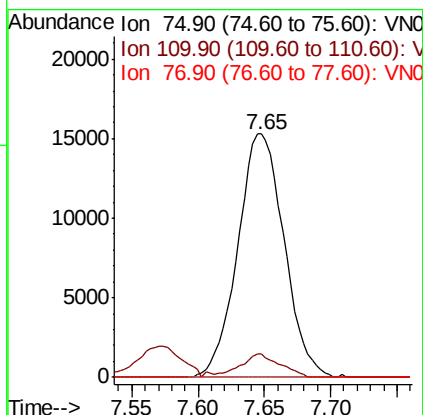
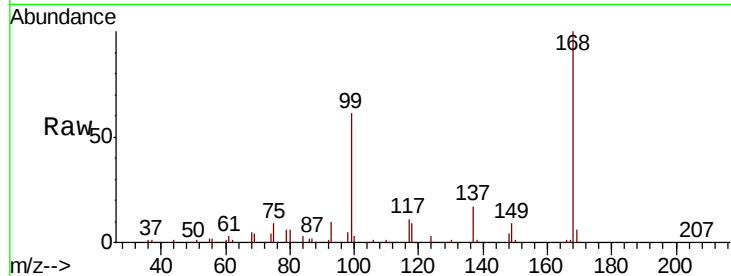




#36
 1,1-Dichloropropene
 Concen: 5.341 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058877.D
 Acq: 21 Oct 2019 11:05

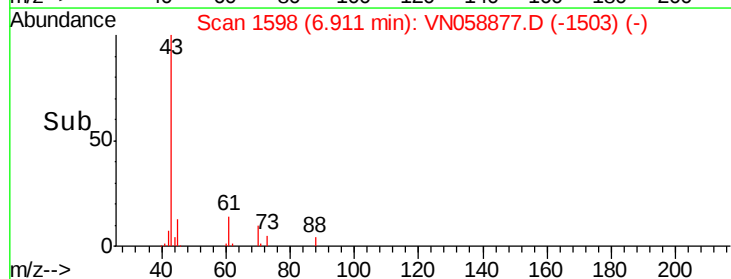
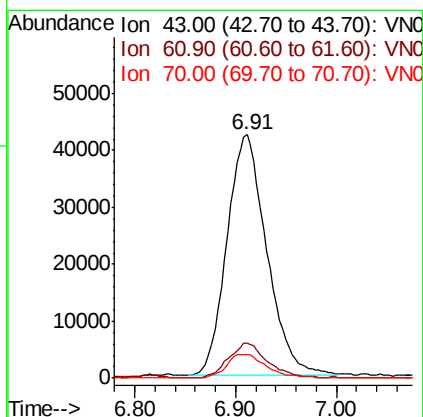
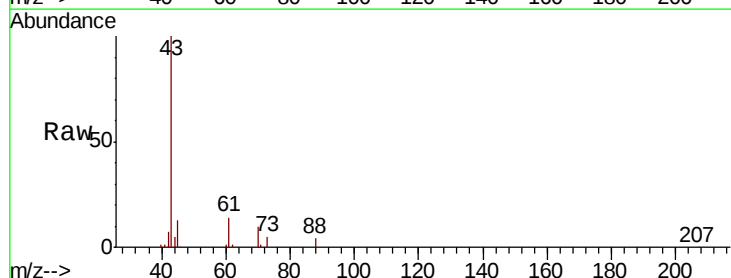
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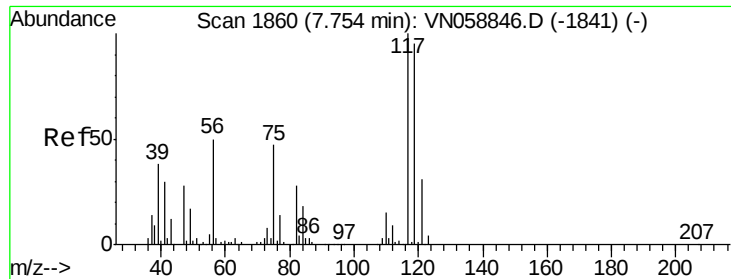
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.3	48.9#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 15.204 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: VN058877.D
 Acq: 21 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	10.0	7.6	11.4





#38

Carbon Tetrachloride

Concen: 6.152 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422

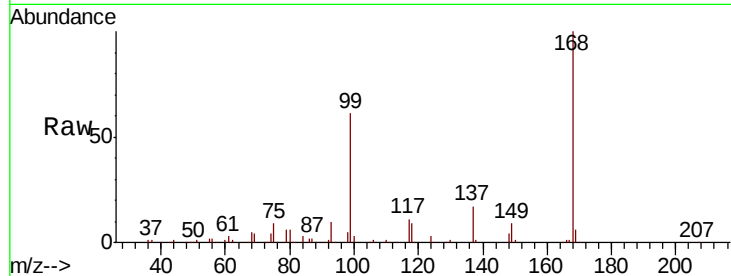
Tot Ion:117 Resp: 44223

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

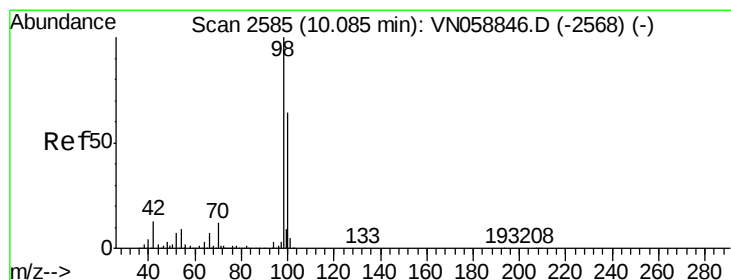
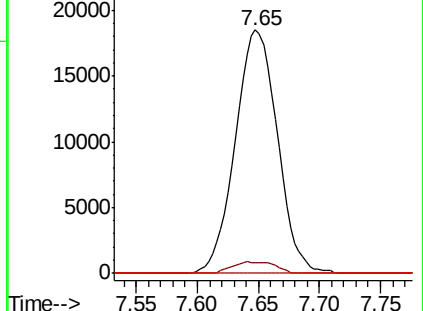
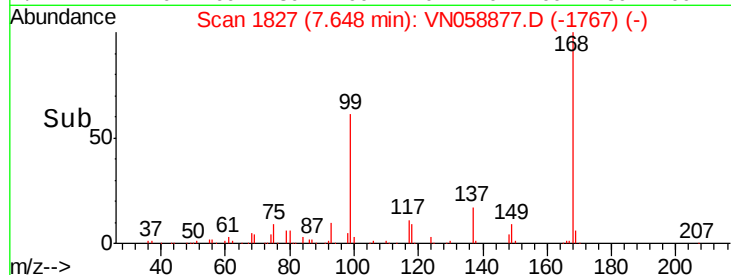
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 50.111 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058877.D

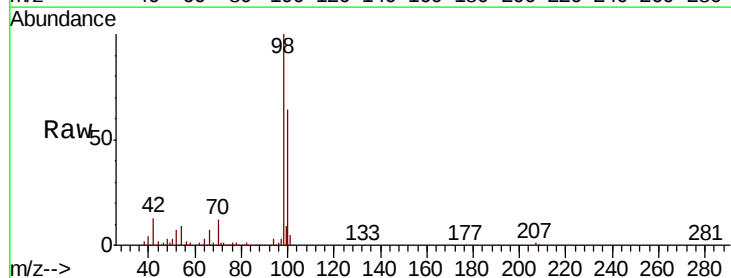
Acq: 21 Oct 2019 11:05

Tgt Ion: 98 Resp: 871685

Ion Ratio Lower Upper

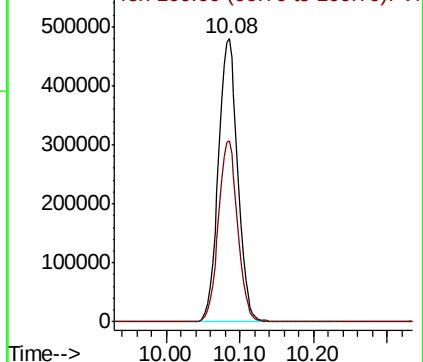
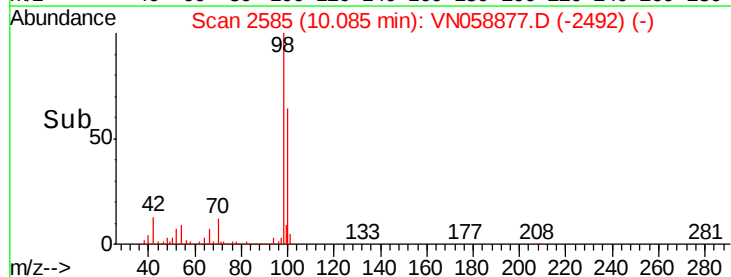
98 100

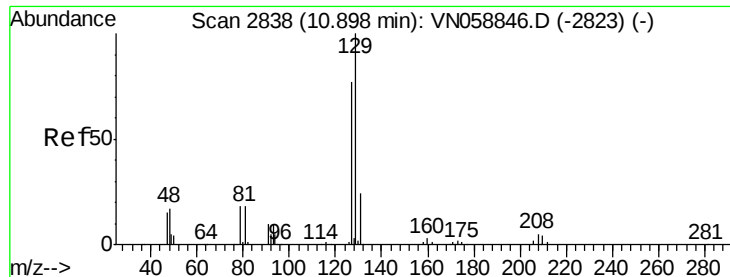
100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#60

Dibromochloromethane

Concen: 1.445 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

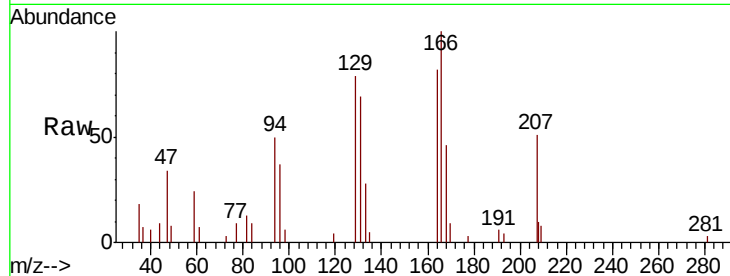
FA19-MMW0422

Tot Ion:129 Resp: 7786

Ion Ratio Lower Upper

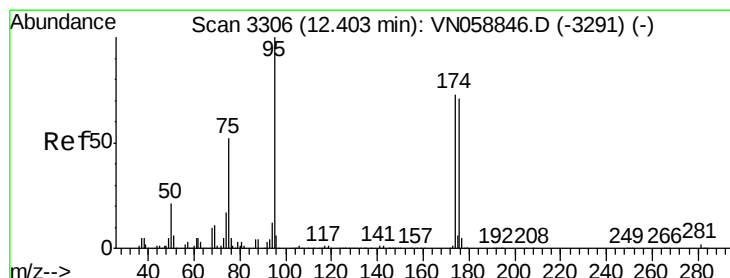
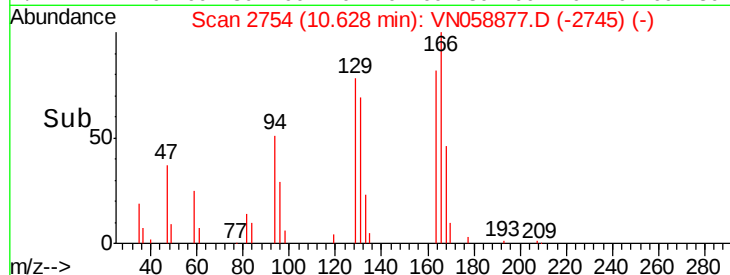
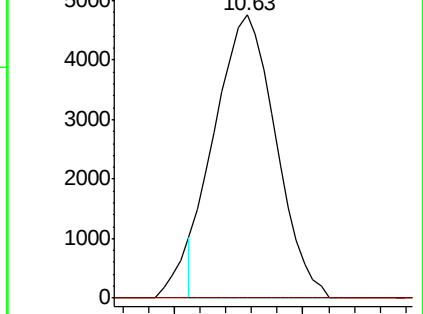
129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.473 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

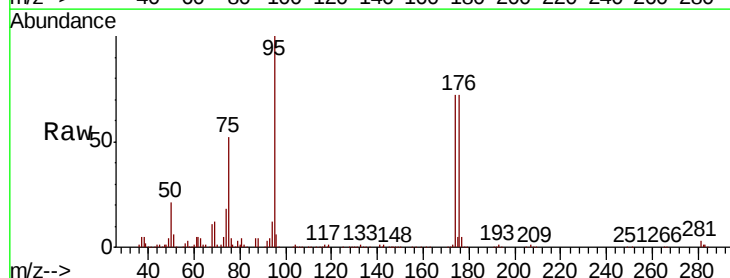
Tgt Ion: 95 Resp: 277702

Ion Ratio Lower Upper

95 100

174 75.8 0.0 147.6

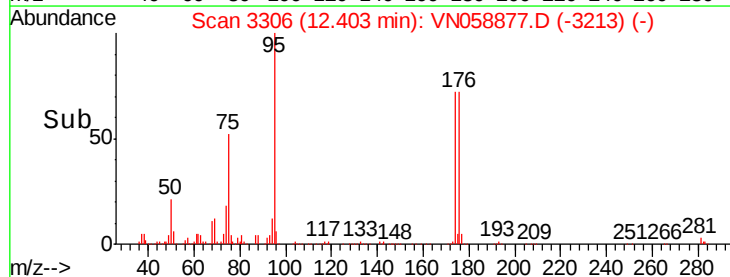
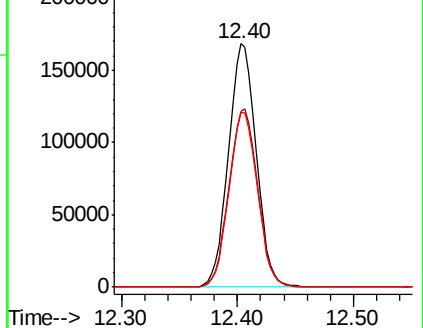
176 73.5 0.0 143.2

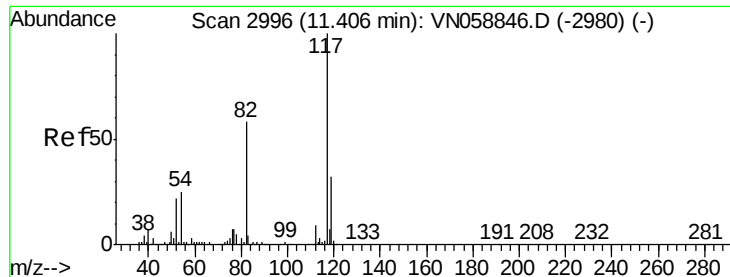


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

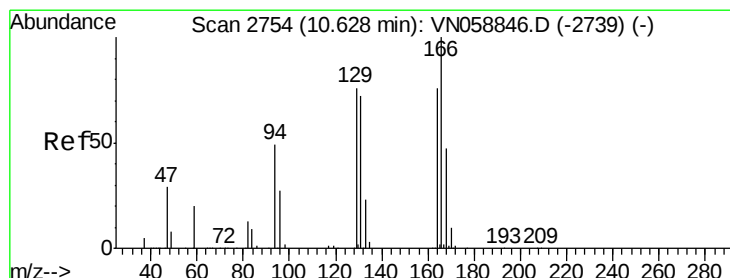
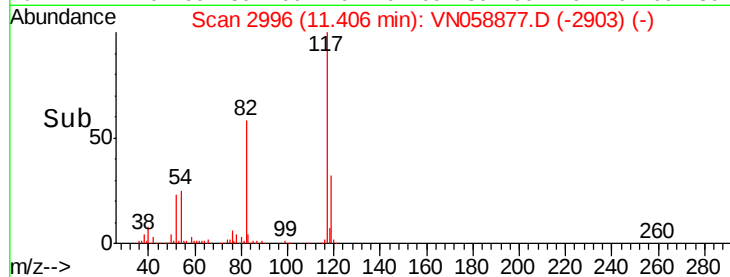
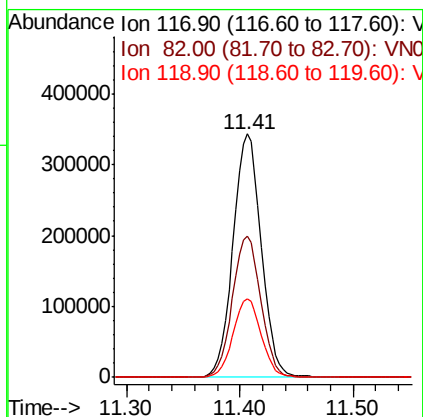
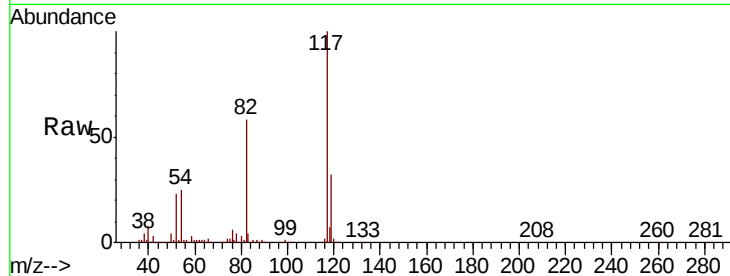




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

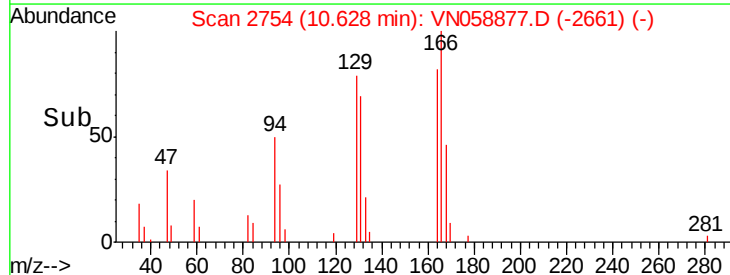
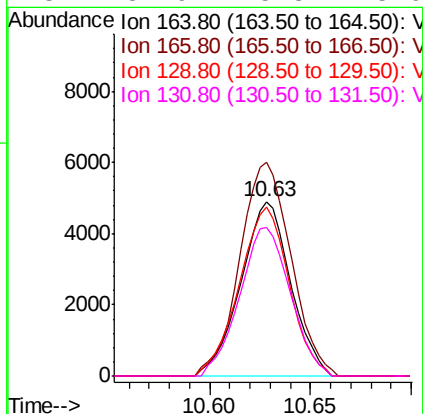
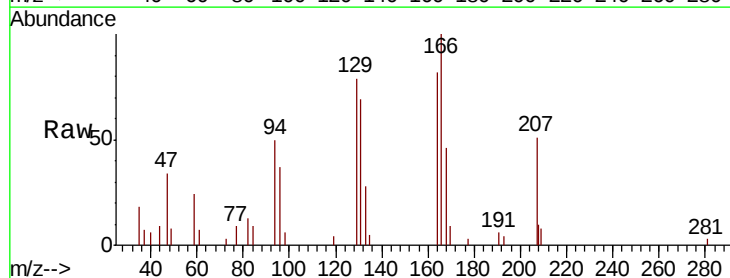
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422

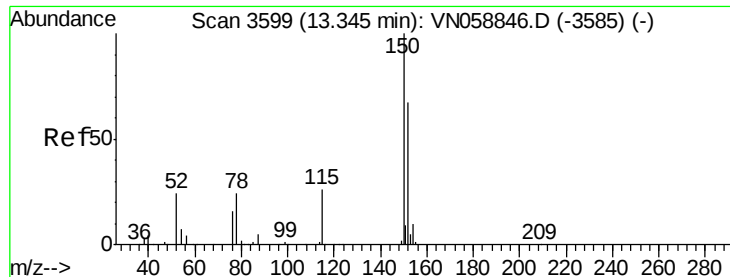
Tot Ion:117 Resp: 596293
Ion Ratio Lower Upper
117 100
82 58.1 46.6 69.8
119 32.3 25.6 38.4



#64
Tetrachloroethene
Concen: 2.019 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion:164 Resp: 8433
Ion Ratio Lower Upper
164 100
166 122.3 104.8 157.2
129 96.9 79.3 118.9
131 84.9 75.8 113.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422

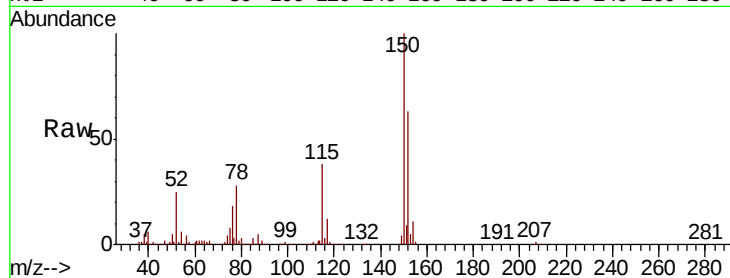
Tot Ion:152 Resp: 223574

Ion Ratio Lower Upper

152 100

115 61.2 30.5 91.5

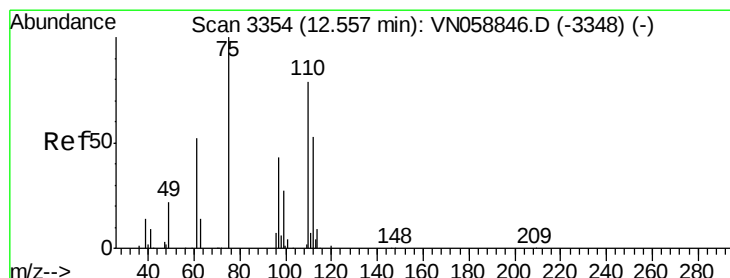
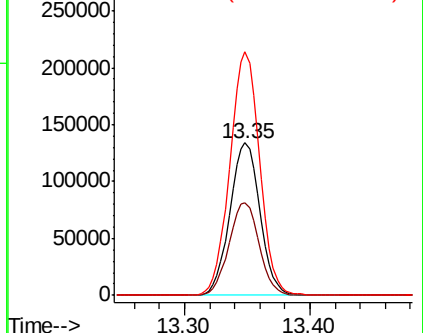
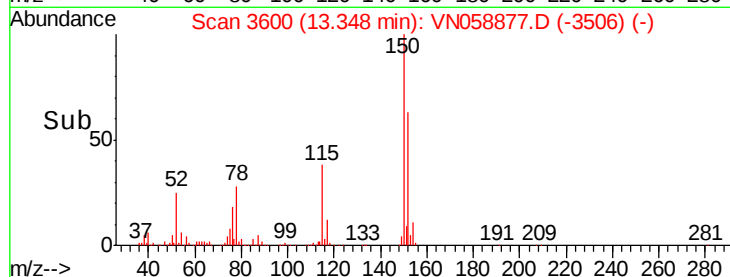
150 157.7 0.0 344.4



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: 28.445 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058877.D

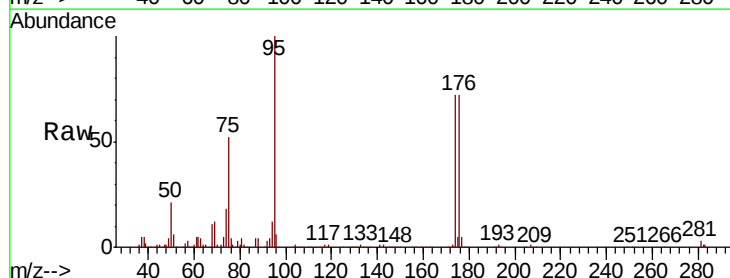
Acq: 21 Oct 2019 11:05

Tgt Ion: 75 Resp: 147392

Ion Ratio Lower Upper

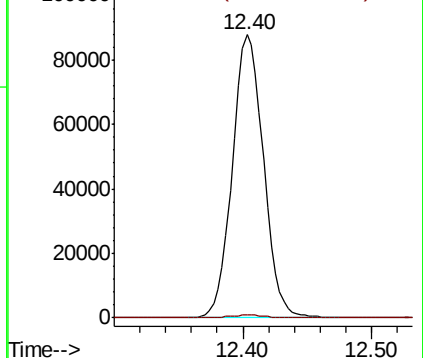
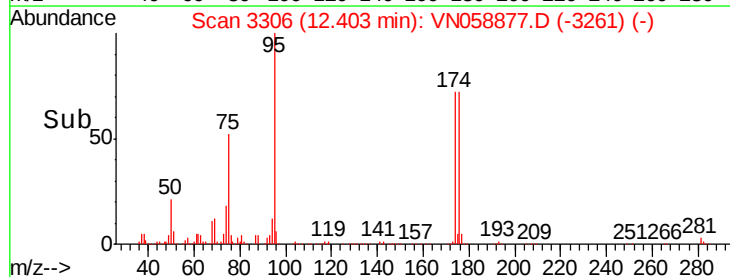
75 100

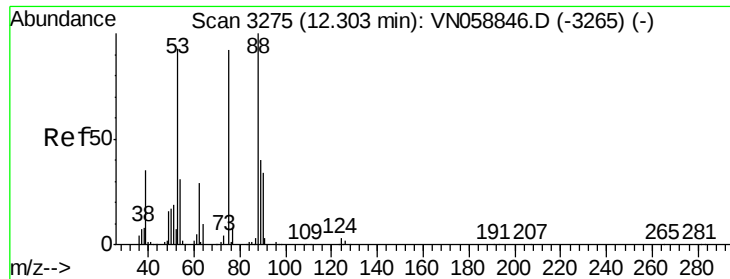
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 74.103 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422

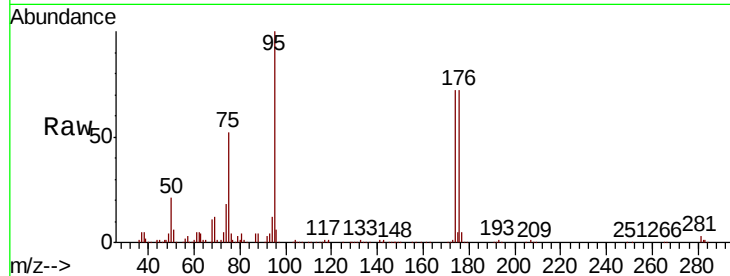
Tot Ion: 75 Resp: 147392

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

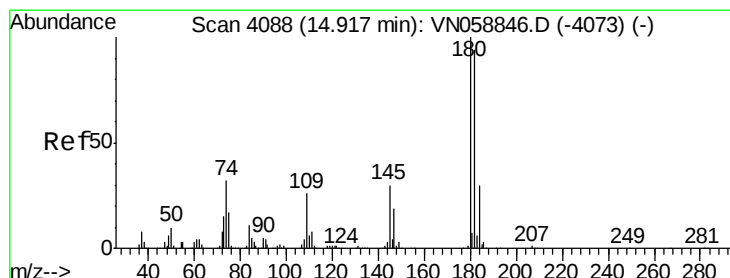
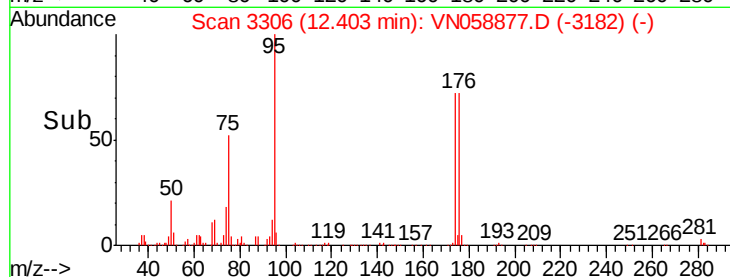
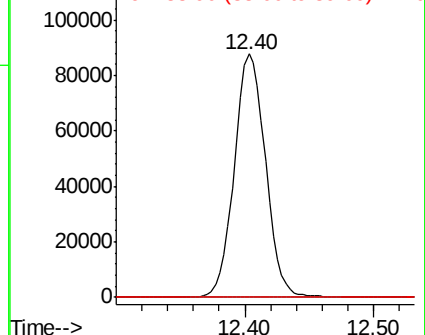
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058877.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN058877.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN058877.D (-3306) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.527 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

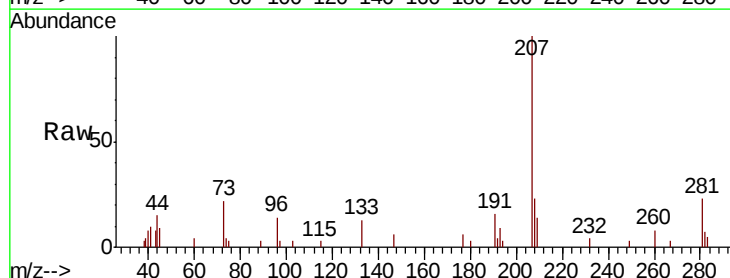
Tgt Ion: 180 Resp: 29

Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

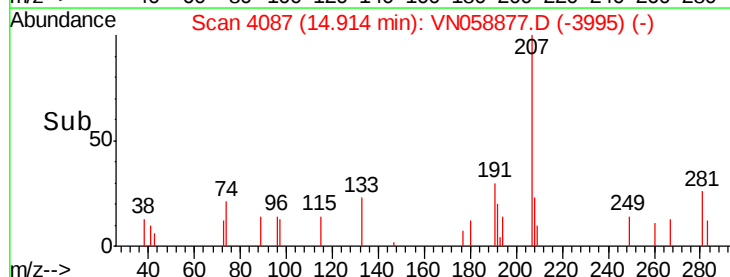
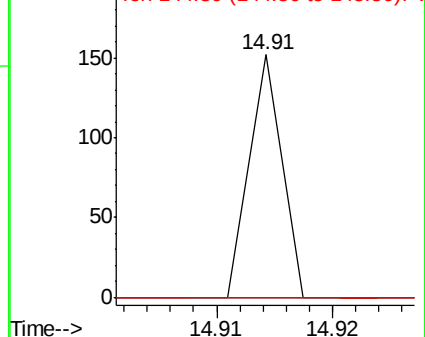
145 0.0 15.3 45.8#

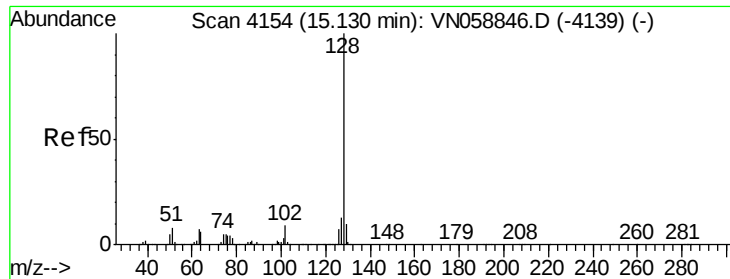


Abundance Ion 179.80 (179.50 to 180.50): VN058877.D (-4087) (-)

Ion 181.80 (181.50 to 182.50): VN058877.D (-4087) (-)

Ion 144.80 (144.50 to 145.50): VN058877.D (-4087) (-)





#95

Naphthalene

Concen: 2.263 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422

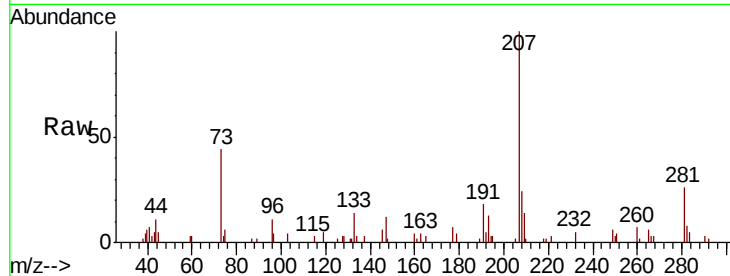
Tot Ion:128 Resp: 510

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

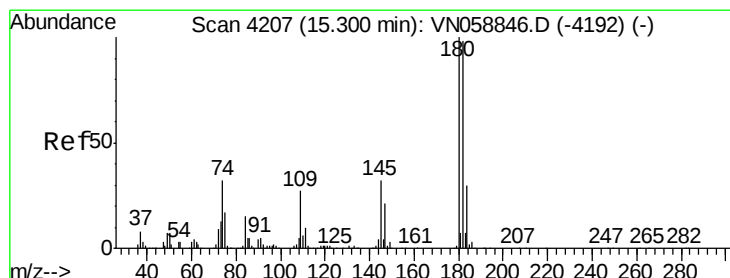
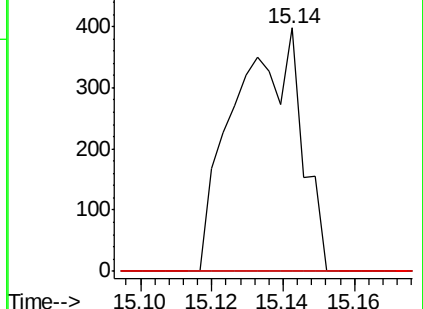
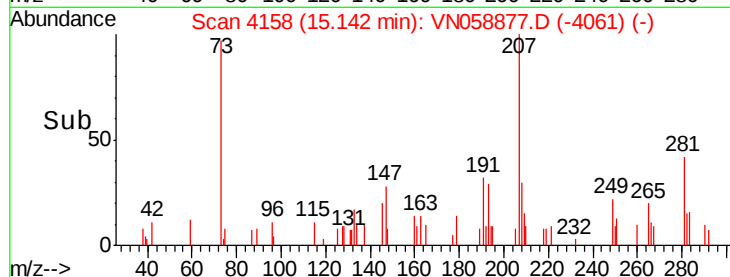
129 0.0 8.4 12.6#



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: 2.486 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058877.D

Acq: 21 Oct 2019 11:05

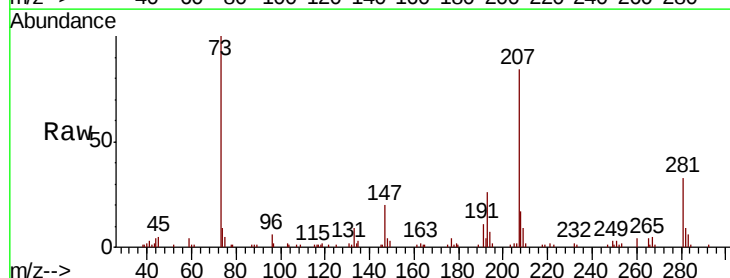
Tgt Ion:180 Resp: 419

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.7#

145 47.0 15.9 47.7



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

