

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058818.D
 Acq On : 17 Oct 2019 11:51
 Operator : JC/SP
 Sample : K5396-01DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7348DL

Quant Time: Oct 18 01:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	401045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	639783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	223744	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	301213	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
35) Dibromofluoromethane	7.57	113	211294	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
50) Toluene-d8	10.08	98	810540	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.41	95	267434	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	

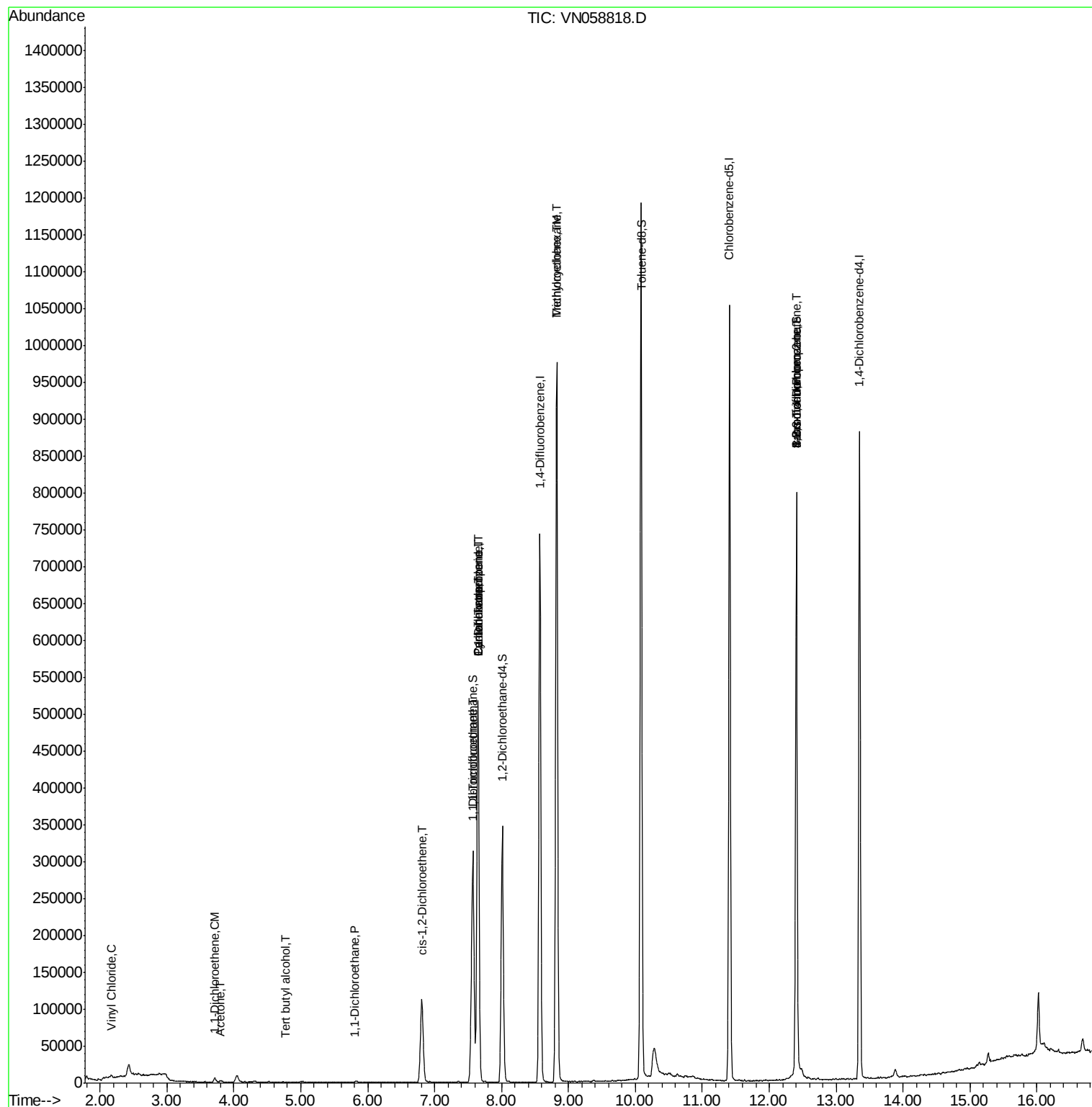
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	3077	0.520	ug/l	95
11) Tert butyl alcohol	4.77	59	186	0.205	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	2591	0.673	ug/l	92
16) Acetone	3.81	43	3258	1.402	ug/l	95
24) 1,1-Dichloroethane	5.81	63	1940	0.225	ug/l #	85
27) cis-1,2-Dichloroethene	6.81	96	68433	13.622	ug/l	86
31) Cyclohexane	7.65	56	9808	1.191	ug/l #	11
32) 1,1,1-Trichloroethane	7.55	97	46546	6.312	ug/l	97
36) 1,1-Dichloropropene	7.65	75	34134	5.277	ug/l #	50
38) Carbon Tetrachloride	7.65	117	41587	6.597	ug/l #	17
39) Methylcyclohexane	8.82	83	4931	0.657	ug/l #	1
44) Trichloroethene	8.82	130	342761	74.295	ug/l	98
71) Bromoform	12.41	173	1002	0.318	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	142753	29.083	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	142753	77.905	ug/l #	11

(#) = 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: VN058818.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

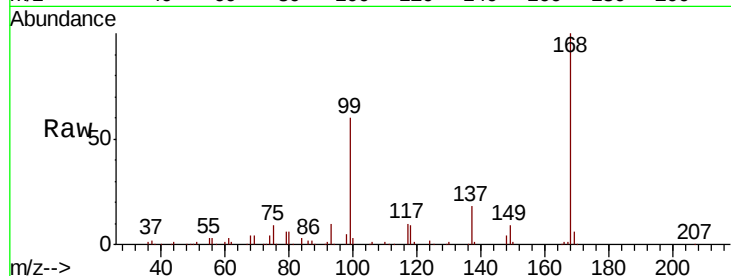
FA19-JBW7348DL

Tot Ion:168 Resp: 401045

Ion Ratio Lower Upper

168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

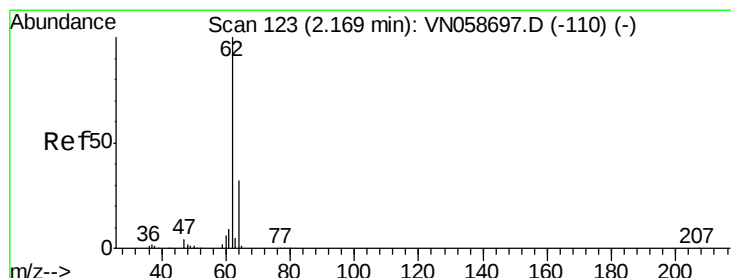
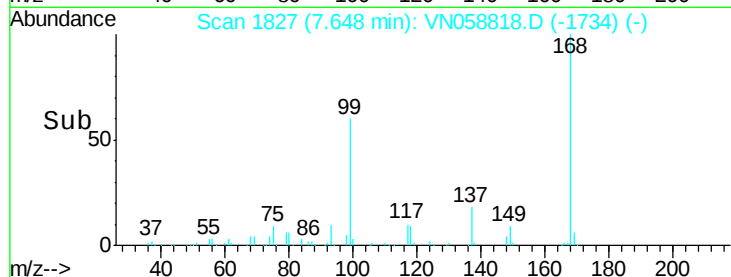
100000

50000

0

7.60 7.70

Time-->



#4

Vinyl Chloride

Concen: 0.520 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058818.D

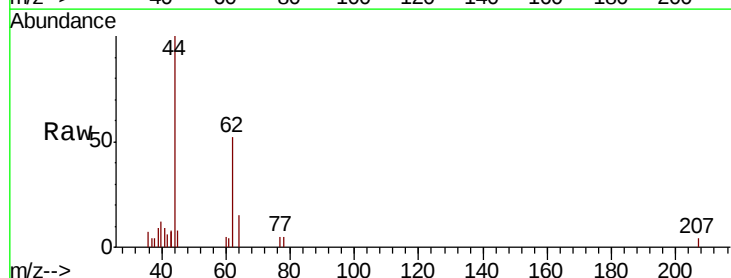
Acq: 17 Oct 2019 11:51

Tgt Ion: 62 Resp: 3077

Ion Ratio Lower Upper

62 100

64 28.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

2500

2000

1500

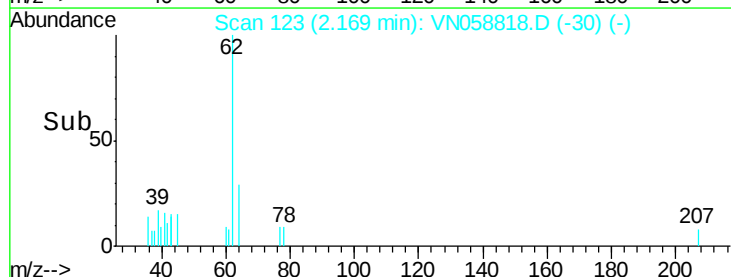
1000

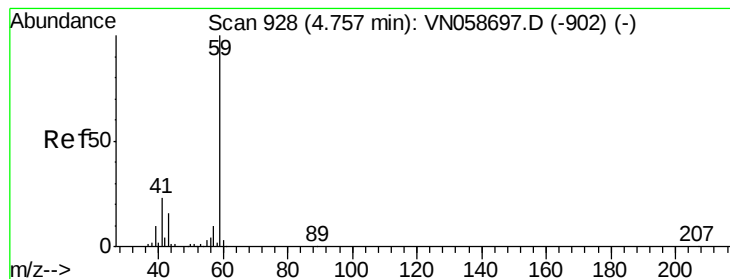
500

0

2.15 2.20

Time-->





#11

Tert butyl alcohol

Concen: 0.205 ug/l

RT: 4.77 min Scan# 932

Delta R.T. 0.01 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

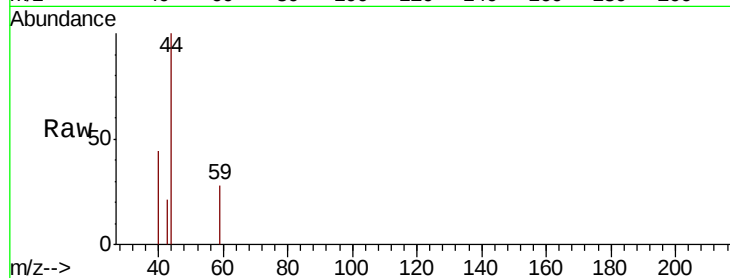
FA19-JBW7348DL

Tot Ion: 59 Resp: 186

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.77

250

200

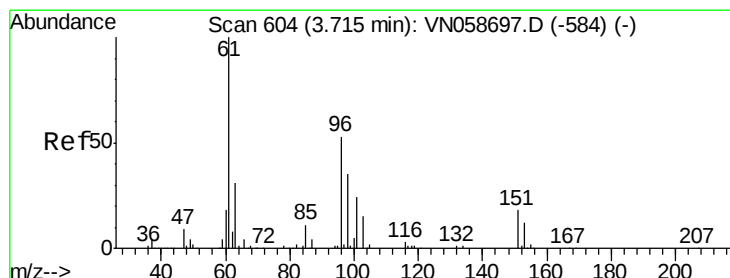
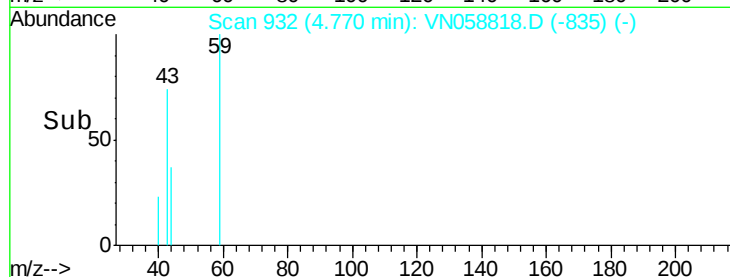
150

100

50

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.673 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

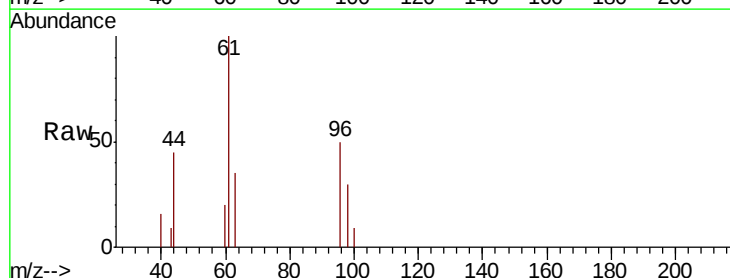
Tgt Ion: 96 Resp: 2591

Ion Ratio Lower Upper

96 100

61 200.0 151.3 226.9

98 59.3 52.6 78.8



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

3000

2500

2000

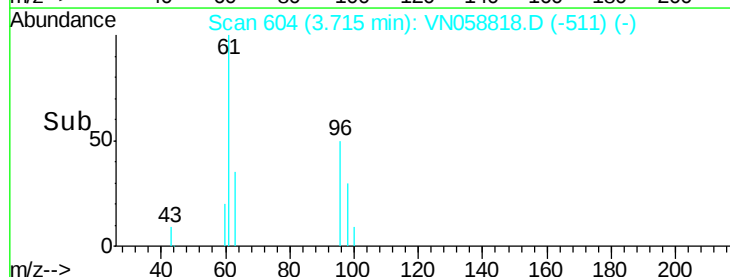
1500

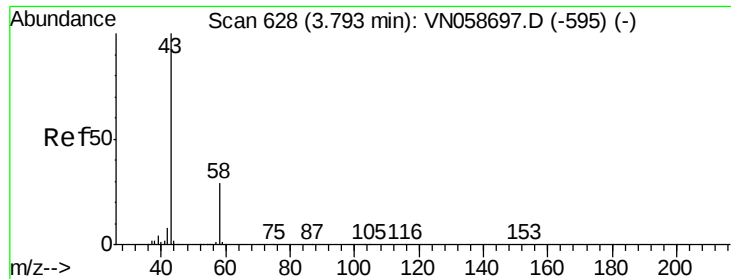
1000

500

0

Time-->

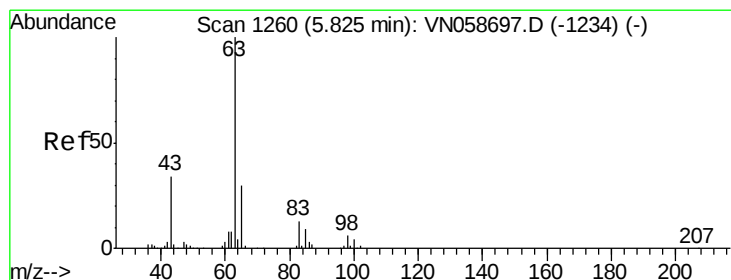
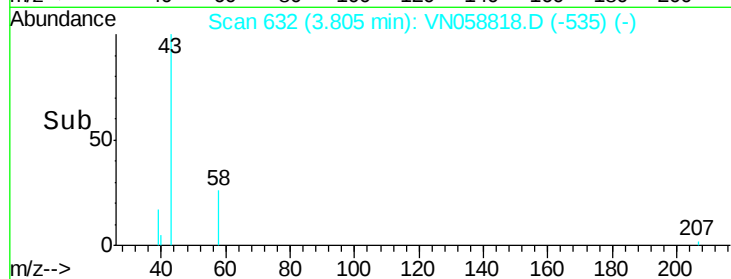
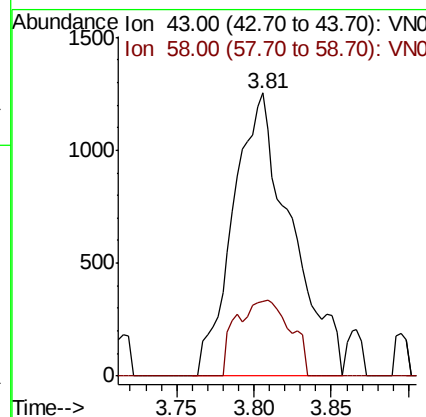
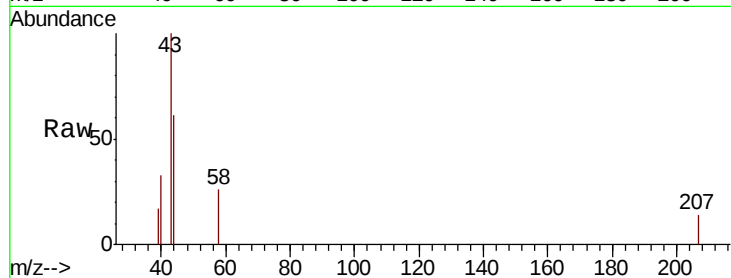




#16
Acetone
Concen: 1.402 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN058818.D
Acq: 17 Oct 2019 11:51

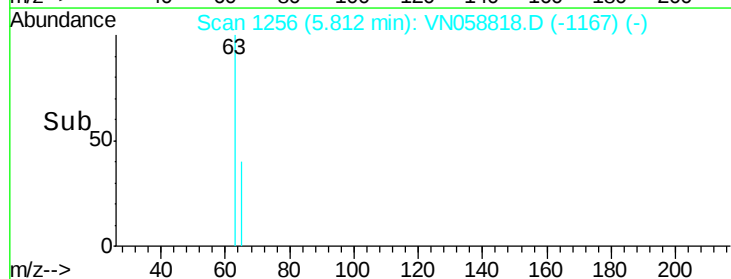
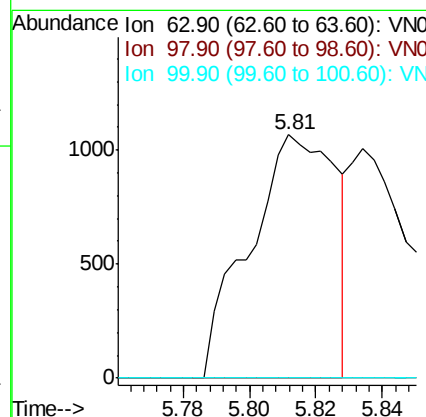
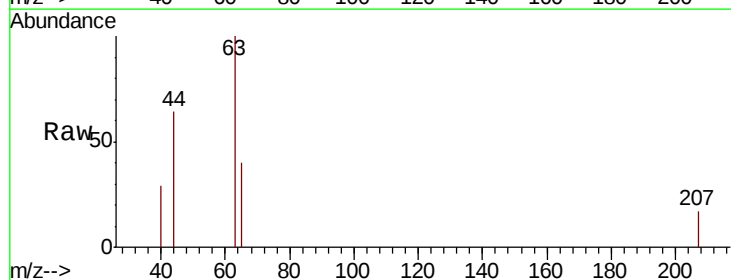
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7348DL

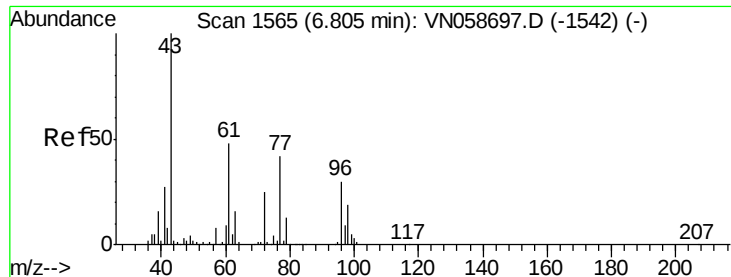
Tot Ion: 43 Resp: 3258
Ion Ratio Lower Upper
43 100
58 26.3 23.3 34.9



#24
1,1-Dichloroethane
Concen: 0.225 ug/l
RT: 5.81 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VN058818.D
Acq: 17 Oct 2019 11:51

Tgt Ion: 63 Resp: 1940
Ion Ratio Lower Upper
63 100
98 0.0 2.9 8.6#
100 0.0 1.8 5.5#





#27

cis-1,2-Dichloroethene

Concen: 13.622 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7348DL

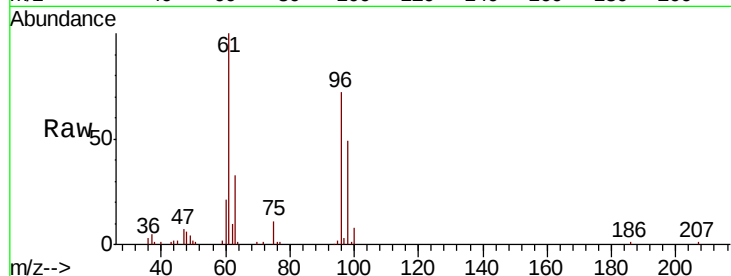
Tot Ion: 96 Resp: 68433

Ion Ratio Lower Upper

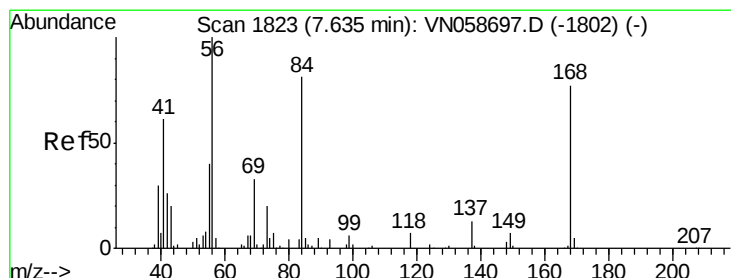
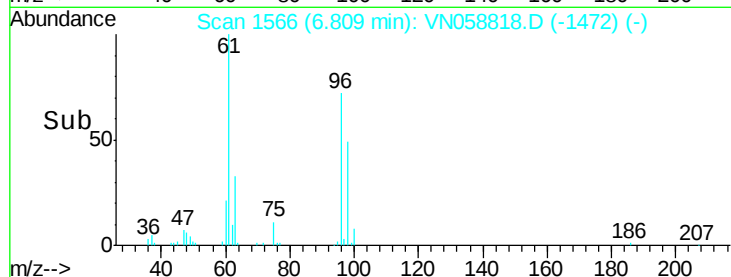
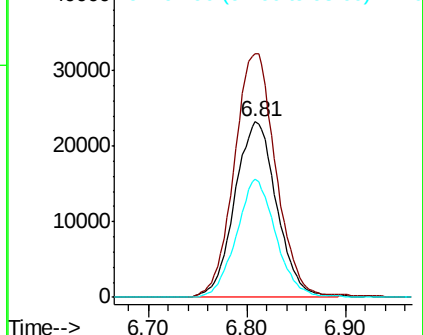
96 100

61 137.3 0.0 324.8

98 63.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

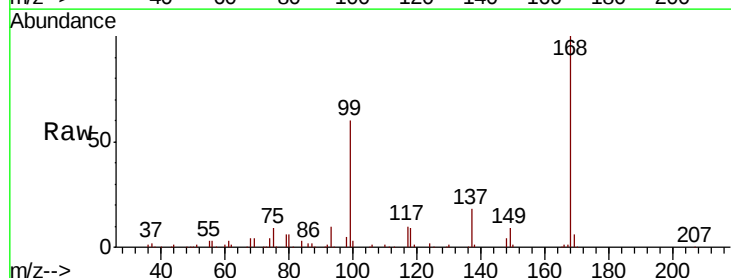
Tgt Ion: 56 Resp: 9808

Ion Ratio Lower Upper

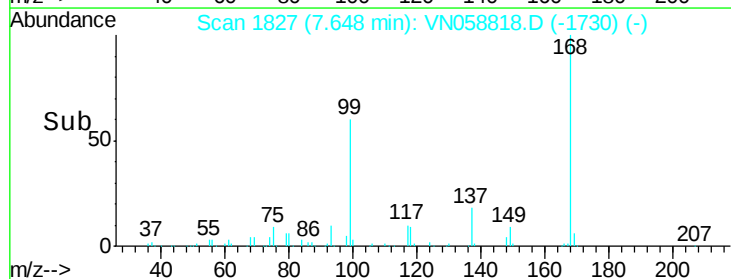
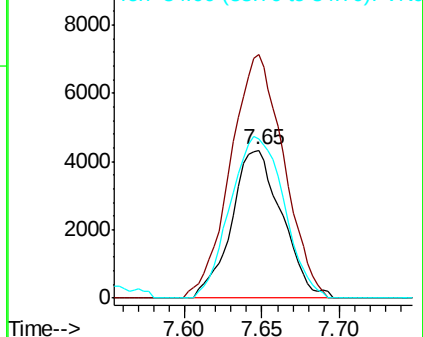
56 100

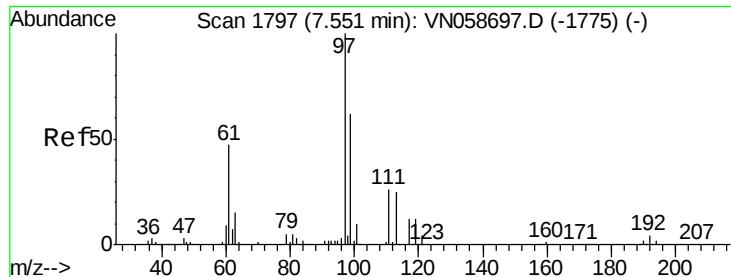
69 164.8 26.2 39.4#

84 107.6 64.9 97.3#



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

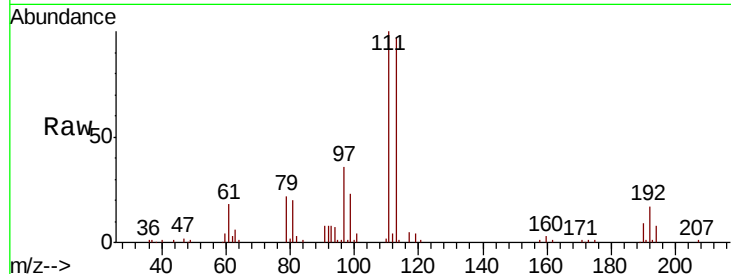




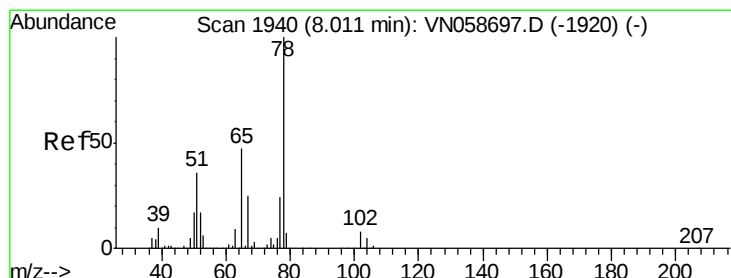
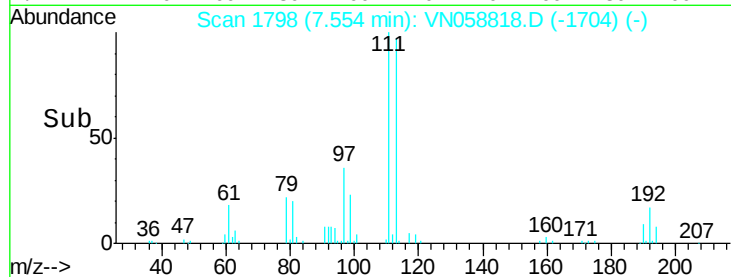
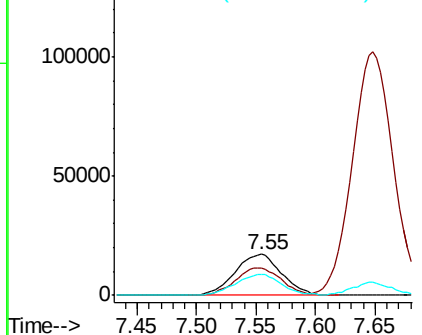
#32
 1,1,1-Trichloroethane
 Concen: 6.312 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN058818.D
 Acq: 17 Oct 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7348DL

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.8	76.2
61	50.3	38.1	57.1

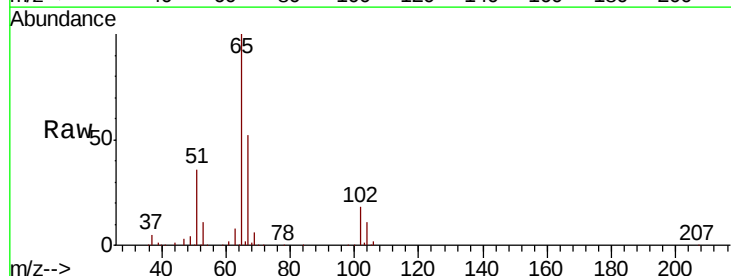


Abundance Ion 96.90 (96.60 to 97.60): VN058697.D (-1775) (-)
 Ion 98.90 (98.60 to 99.60): VN058697.D (-1775) (-)
 Ion 60.90 (60.60 to 61.60): VN058697.D (-1775) (-)

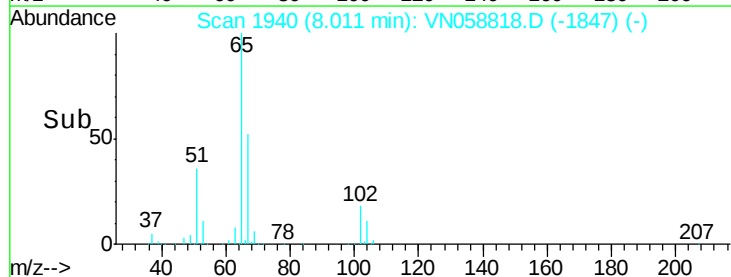
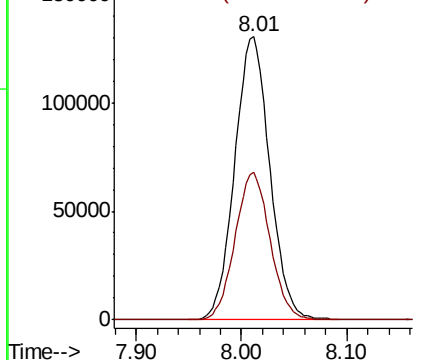


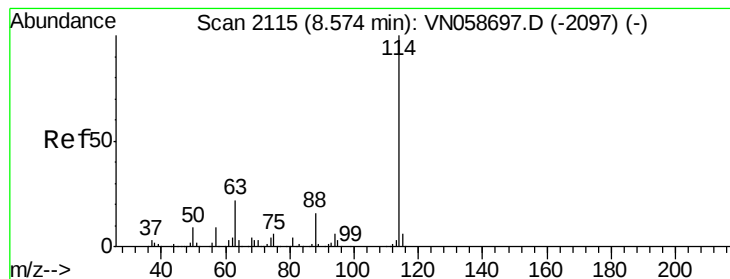
#33
 1,2-Dichloroethane-d4
 Concen: 53.649 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058818.D
 Acq: 17 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058697.D (-1920) (-)
 Ion 66.90 (66.60 to 67.60): VN058697.D (-1920) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7348DL

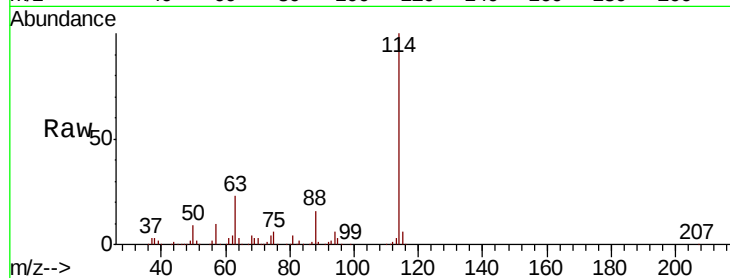
Tot Ion:114 Resp: 639783

Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.8

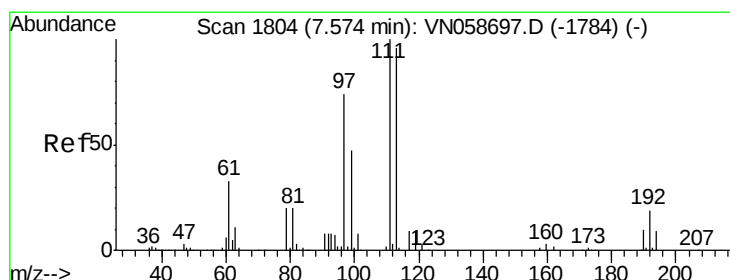
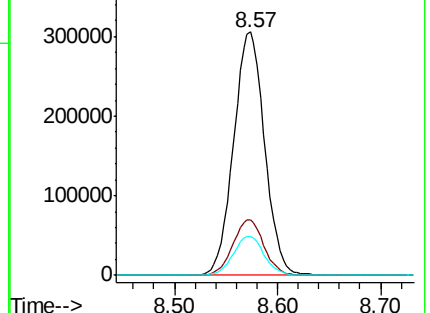
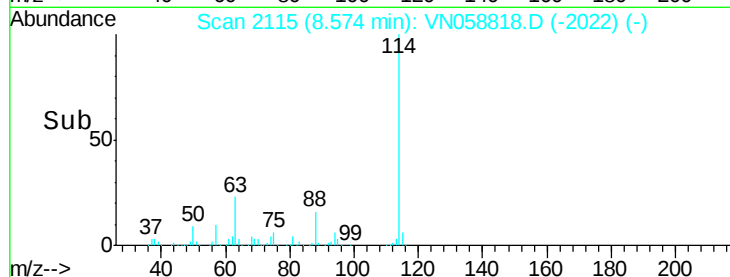
88 16.0 0.0 32.0



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: 53.468 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

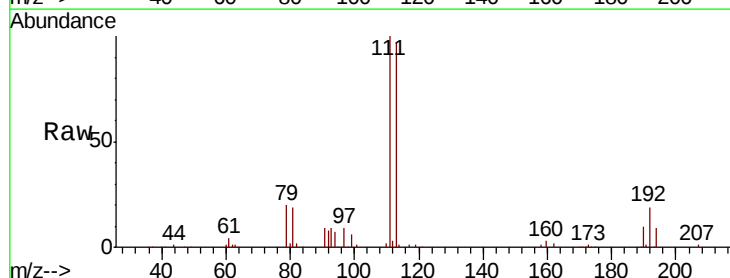
Tgt Ion:113 Resp: 211294

Ion Ratio Lower Upper

113 100

111 103.4 82.3 123.5

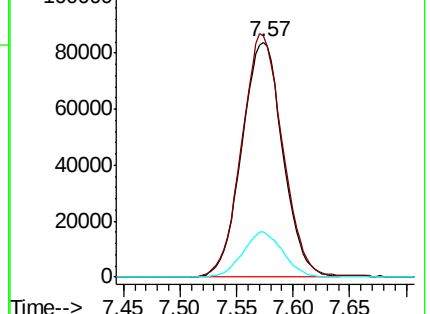
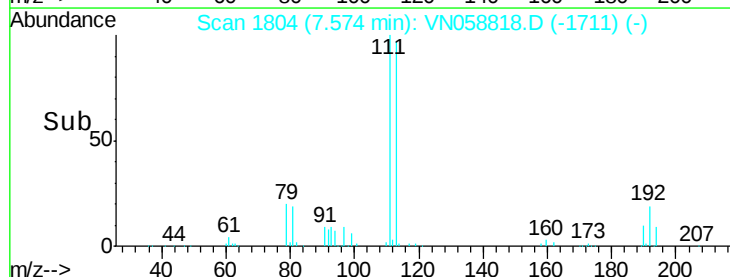
192 18.8 15.0 22.6

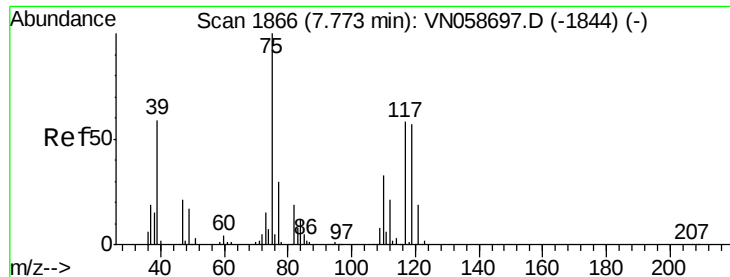


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

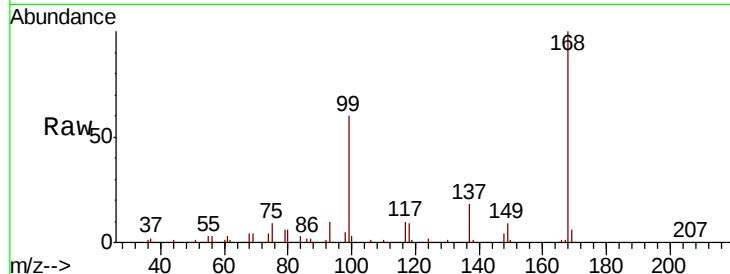




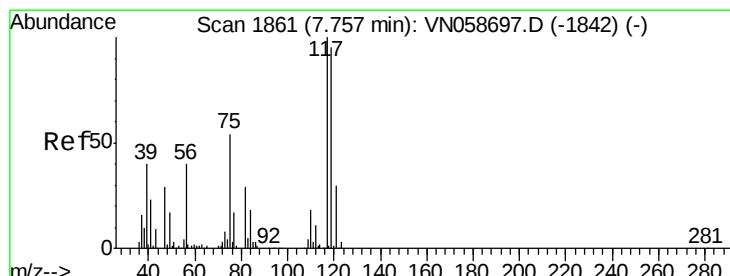
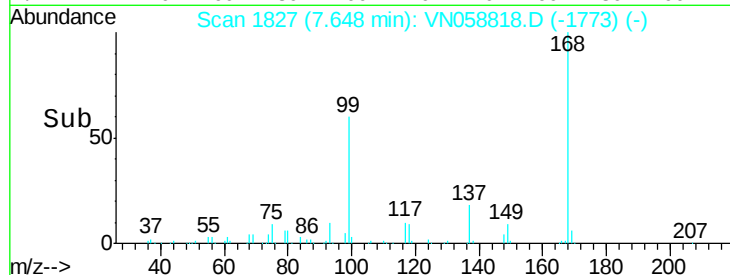
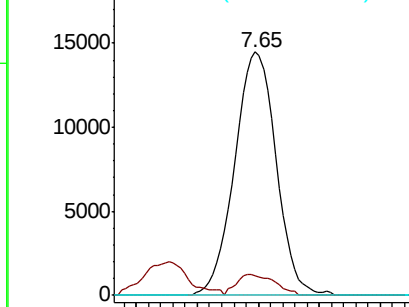
#36
 1,1-Dichloropropene
 Concen: 5.277 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058818.D
 Acq: 17 Oct 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7348DL

Tot Ion	75	Resp	34134
Ion Ratio	100	Lower	Upper
75	100		
110	7.9	16.6	49.8#
77	0.0	24.6	37.0#

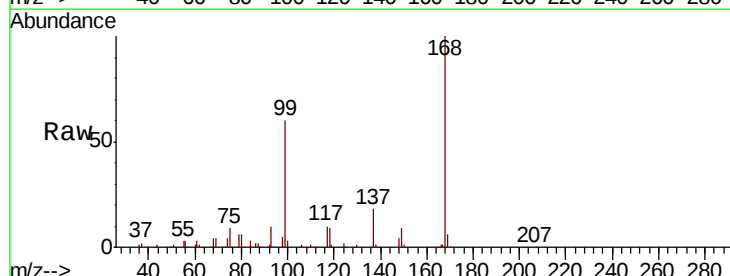


Abundance Ion 74.90 (74.60 to 75.60): VN058697.D (-1844) (-)
 Ion 109.90 (109.60 to 110.60): VN058697.D (-1844) (-)
 Ion 76.90 (76.60 to 77.60): VN058697.D (-1844) (-)

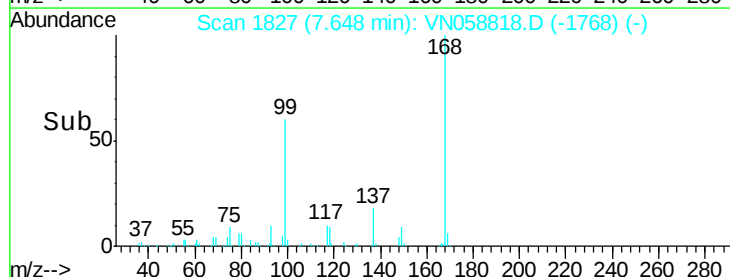
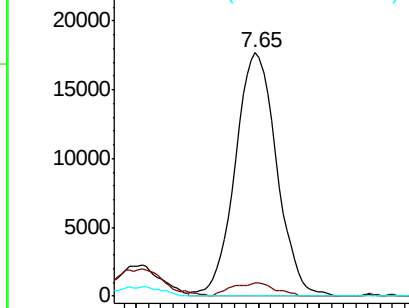


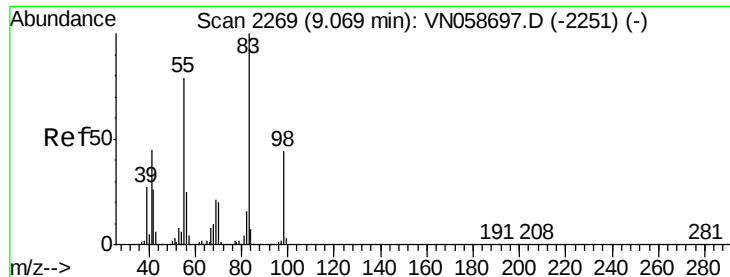
#38
 Carbon Tetrachloride
 Concen: 6.597 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058818.D
 Acq: 17 Oct 2019 11:51

Tgt Ion	117	Resp	41587
Ion Ratio	100	Lower	Upper
117	100		
119	5.5	75.7	113.5#
121	0.0	23.9	35.9#



Abundance Ion 116.80 (116.50 to 117.50): VN058818.D (-1768) (-)
 Ion 118.80 (118.50 to 119.50): VN058818.D (-1768) (-)
 Ion 120.80 (120.50 to 121.50): VN058818.D (-1768) (-)

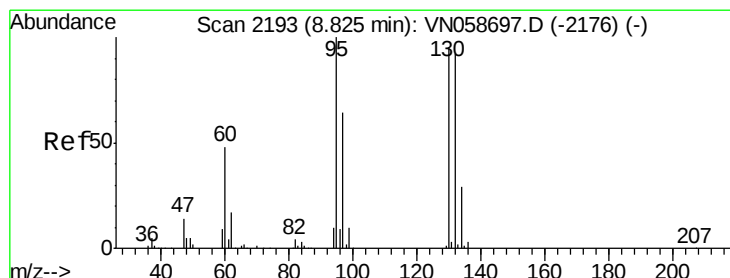
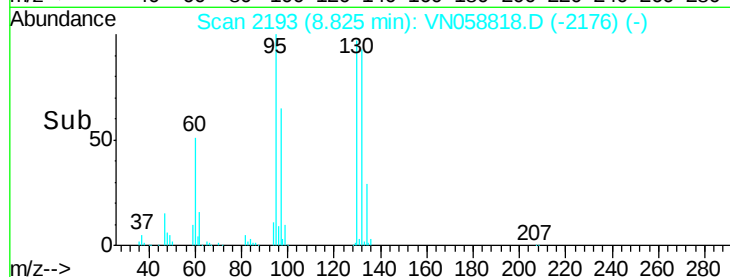
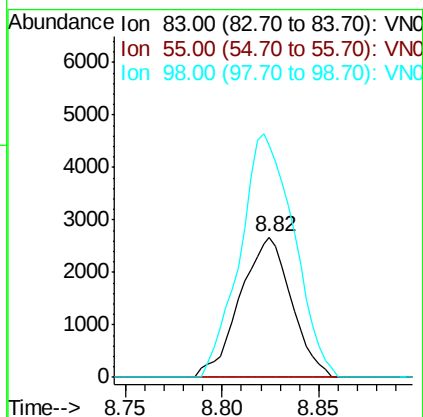
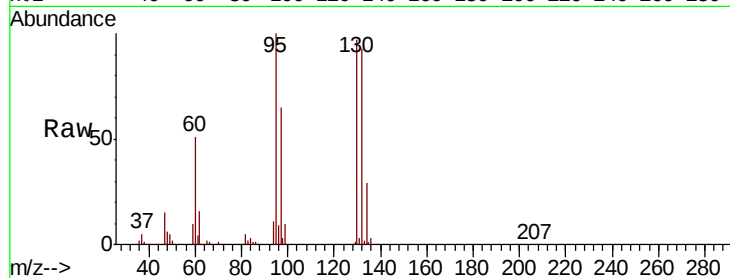




#39
Methvlcvclohexane
Concen: 0.657 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.24 min
Lab File: VN058818.D
Acq: 17 Oct 2019 11:51

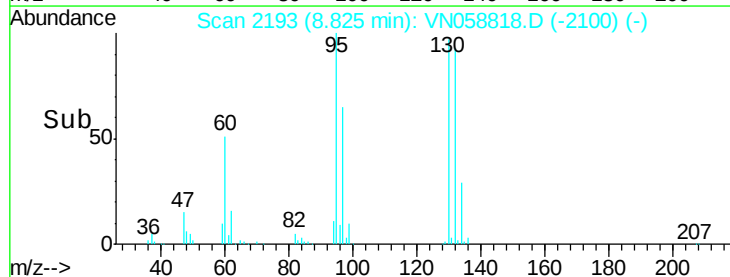
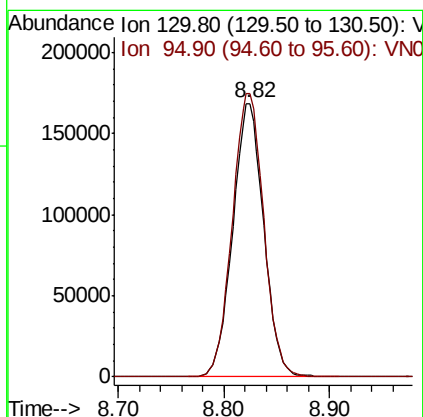
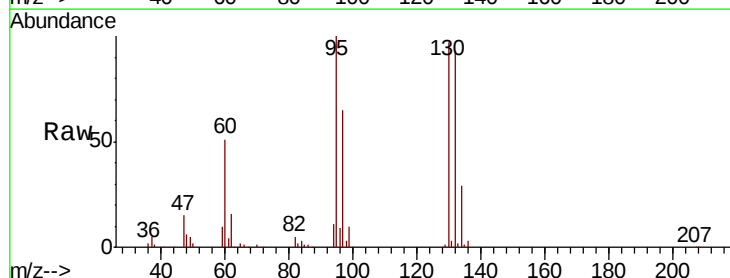
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7348DL

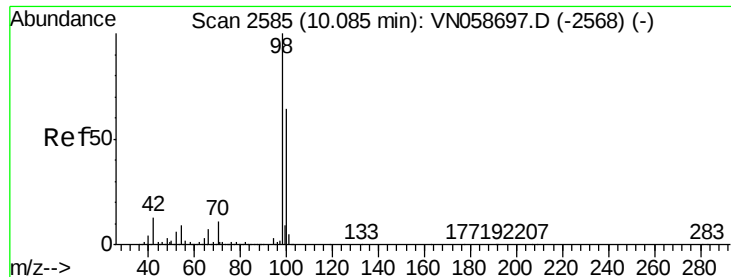
Tot Ion: 83 Resp: 4931
Ion Ratio Lower Upper
83 100
55 0.0 63.4 95.0#
98 166.3 35.1 52.7#



#44
Trichloroethene
Concen: 74.295 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058818.D
Acq: 17 Oct 2019 11:51

Tgt Ion:130 Resp: 342761
Ion Ratio Lower Upper
130 100
95 103.4 0.0 211.2





#50

Toluene-d8

Concen: 51.291 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

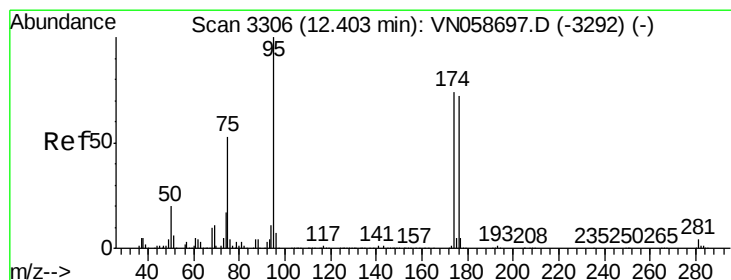
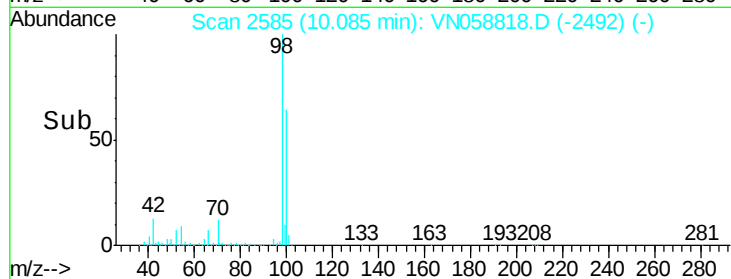
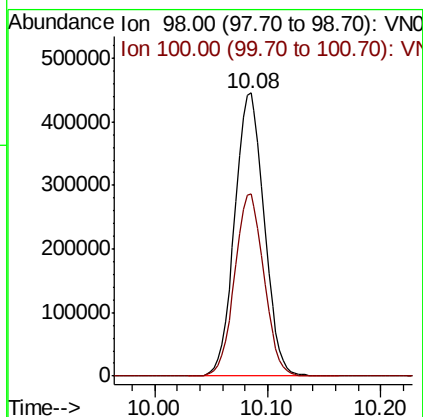
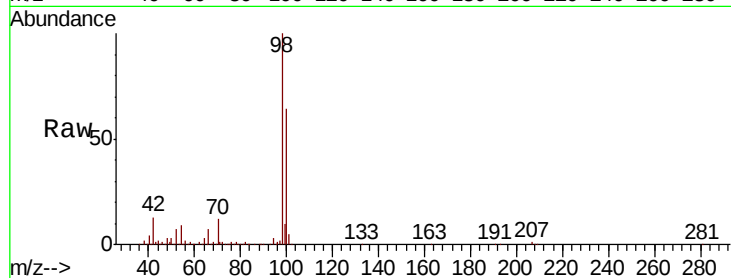
FA19-JBW7348DL

Tot Ion: 98 Resp: 810540

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 44.708 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

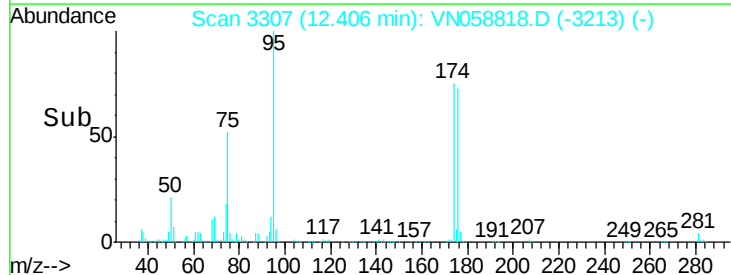
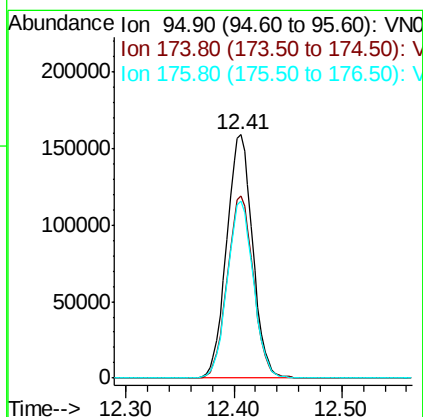
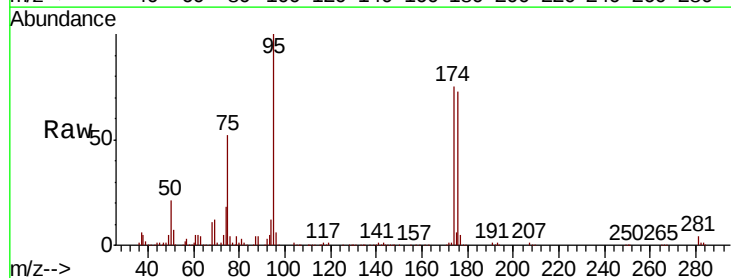
Tgt Ion: 95 Resp: 267434

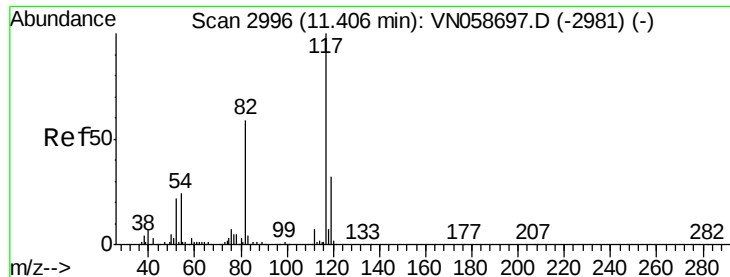
Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.4

176 72.9 0.0 146.8

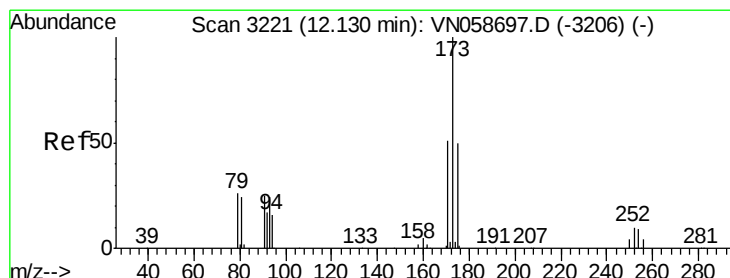
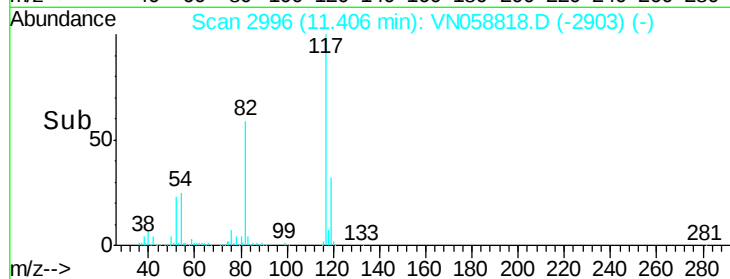
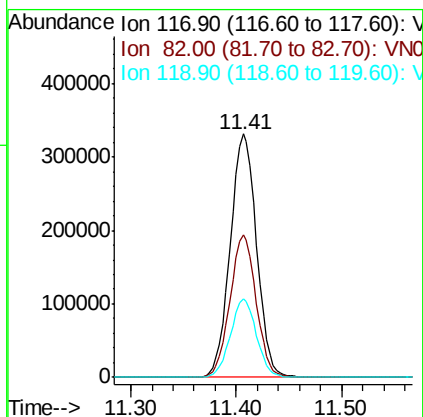
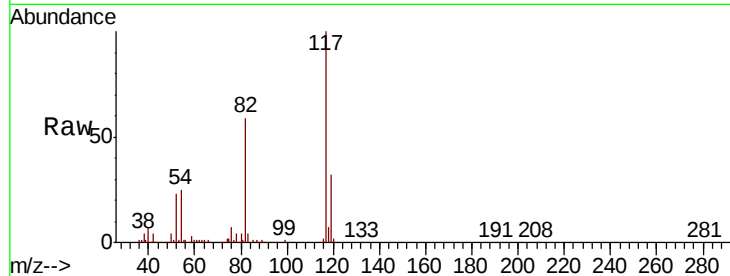




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058818.D
Acq: 17 Oct 2019 11:51

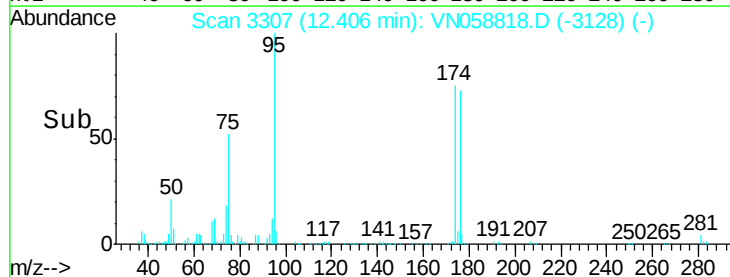
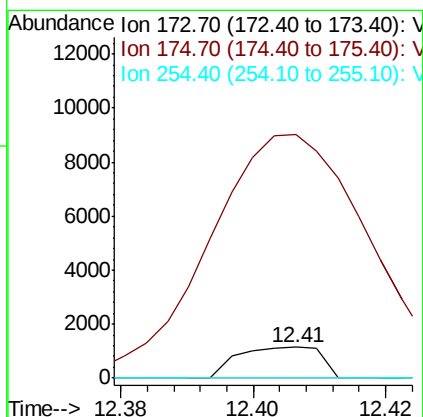
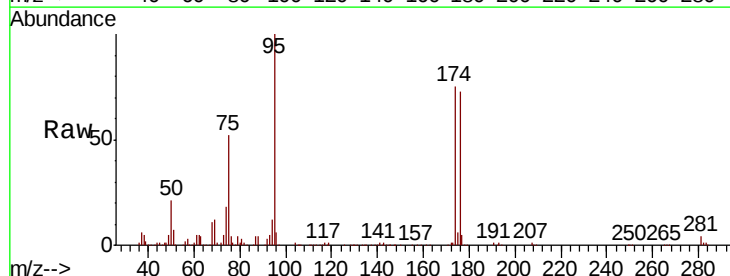
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7348DL

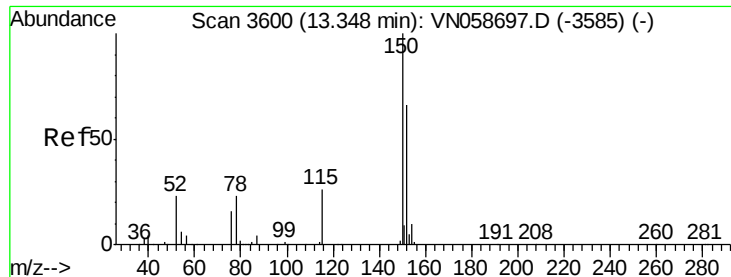
Tot Ion:117 Resp: 572102
Ion Ratio Lower Upper
117 100
82 58.7 47.0 70.4
119 32.5 25.4 38.2



#71
Bromoform
Concen: 0.318 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058818.D
Acq: 17 Oct 2019 11:51

Tgt Ion:173 Resp: 1002
Ion Ratio Lower Upper
173 100
175 1315.4 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7348DL

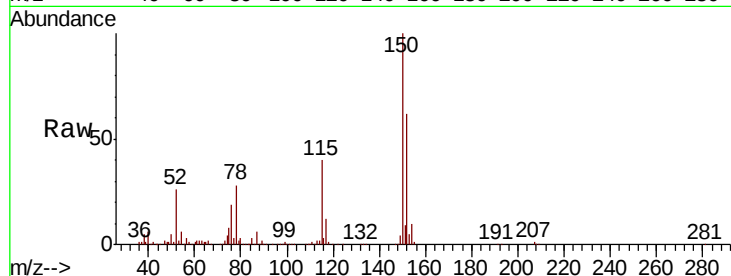
Tot Ion:152 Resp: 223744

Ion Ratio Lower Upper

152 100

115 61.6 30.4 91.2

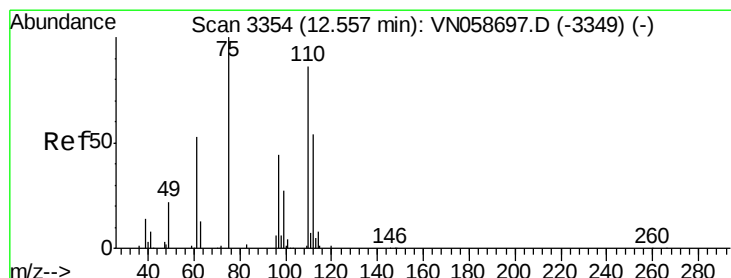
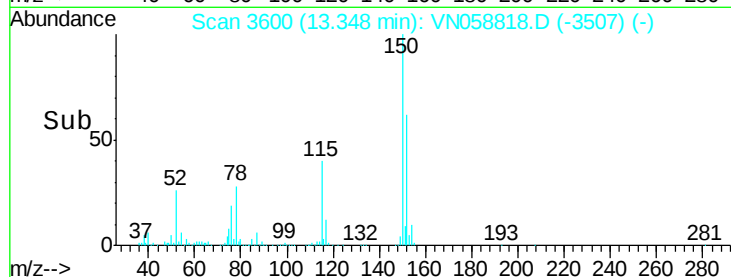
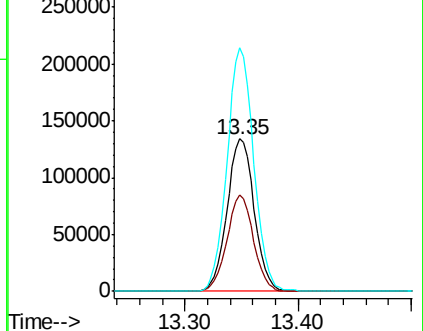
150 157.2 0.0 345.4



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: 29.083 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058818.D

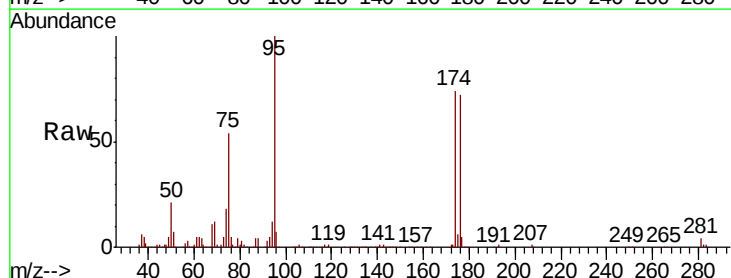
Acq: 17 Oct 2019 11:51

Tgt Ion: 75 Resp: 142753

Ion Ratio Lower Upper

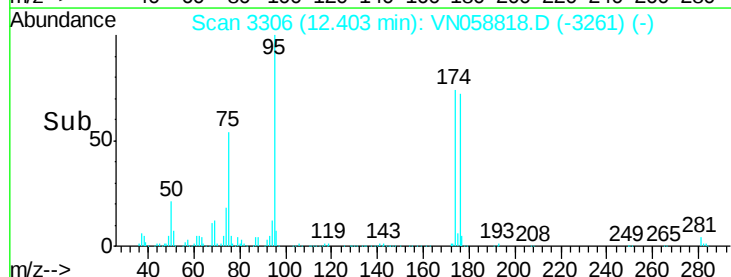
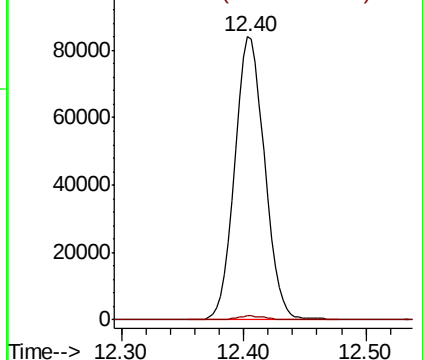
75 100

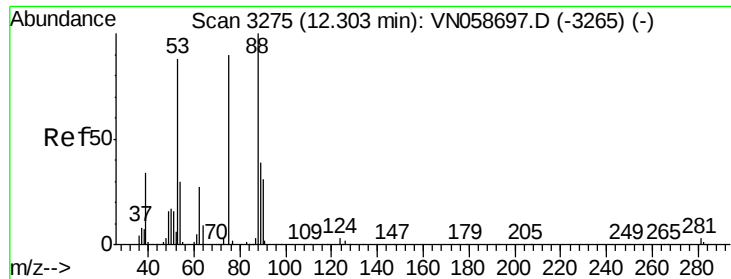
77 1.4 0.0 0.0#



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: 77.905 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058818.D

Acq: 17 Oct 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7348DL

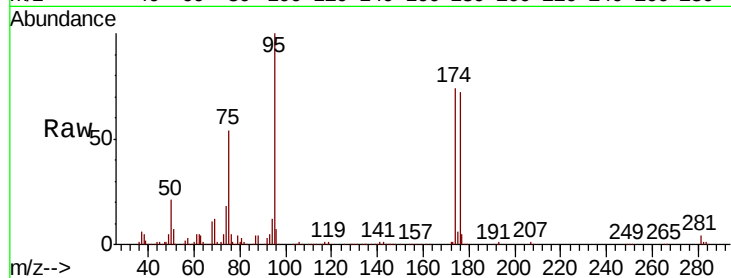
Tot Ion: 75 Resp: 142753

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

