

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
 Data File : VN059025.D
 Acq On : 31 Oct 2019 9:26
 Operator : JC/SP
 Sample : VN1031MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:07:37 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	7.64	168	439291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	688188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	584485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194831	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	299215	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	7.57	113	226900	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	10.08	98	862405	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	259562	40.24	ug/l	0.00
Spiked Amount			Recovery	=	80.48%	

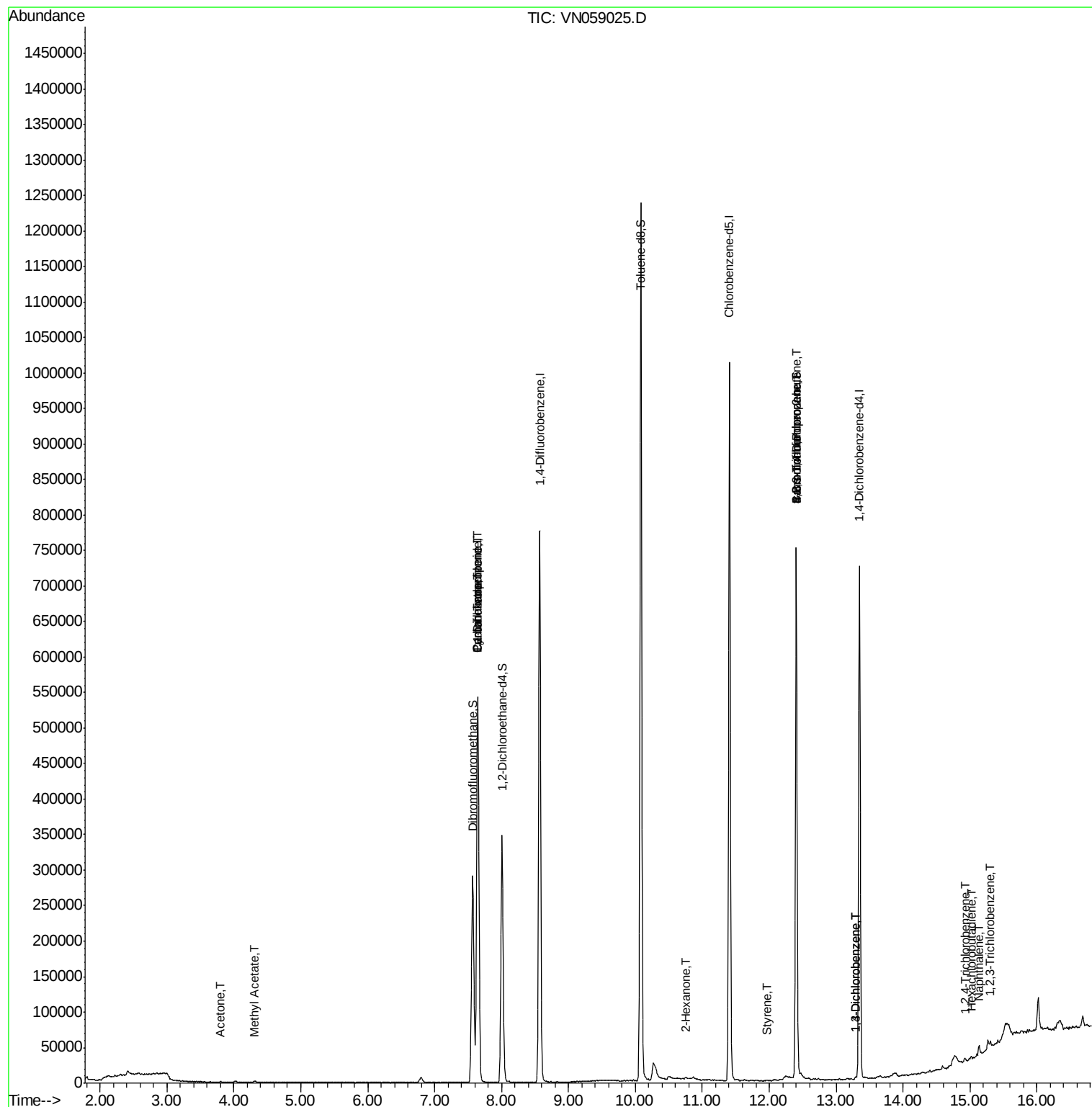
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	710	0.223	ug/l #	46
18) Methyl Acetate	4.30	43	3549	0.490	ug/l #	79
31) Cyclohexane	7.64	56	9244	0.998	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	35249	5.003	ug/l #	51
38) Carbon Tetrachloride	7.64	117	43364	5.974	ug/l #	17
59) 2-Hexanone	10.75	43	1506	0.271	ug/l	79
70) Styrene	11.97	104	586	1.755	ug/l #	56
71) Bromoform	12.41	173	1495	0.429	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	134133	29.706	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	134133	77.385	ug/l #	10
87) 1,3-Dichlorobenzene	13.28	146	1287	0.205	ug/l	80
88) 1,4-Dichlorobenzene	13.28	146	1287	0.205	ug/l	81
93) 1,2,4-Trichlorobenzene	14.92	180	2100	3.034	ug/l	82
94) Hexachlorobutadiene	15.01	225	615	0.308	ug/l #	66
95) Naphthalene	15.14	128	8119	2.921	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	2950	3.137	ug/l	96

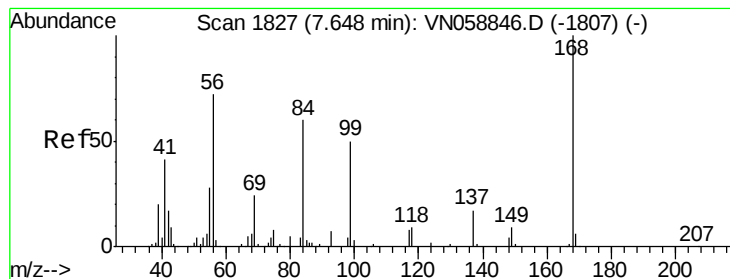
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
Data File : VN059025.D
Acq On : 31 Oct 2019 9:26
Operator : JC/SP
Sample : VN1031MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 01 01:07:37 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

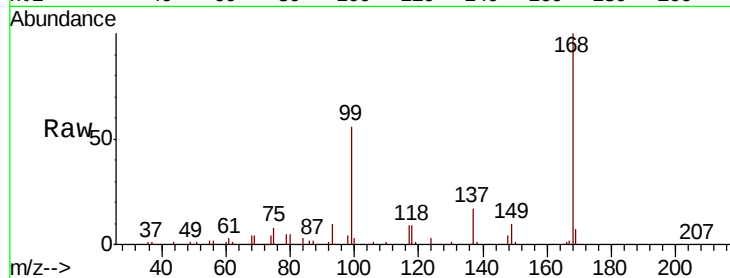
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 439291

Ion Ratio Lower Upper

168 100

99 56.2 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

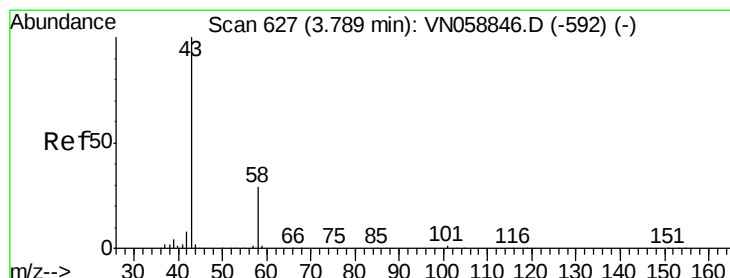
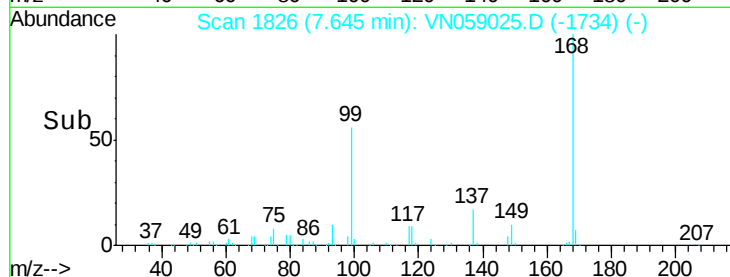
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 0.223 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059025.D

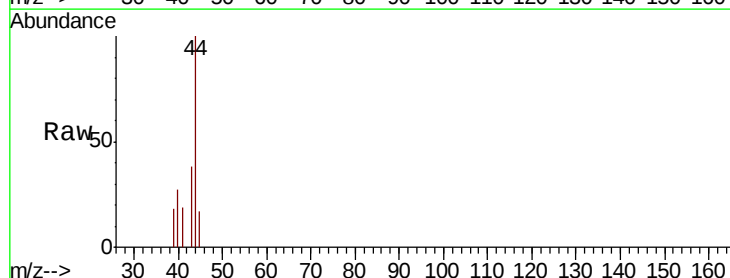
Acq: 31 Oct 2019 9:26

Tgt Ion: 43 Resp: 710

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

600

500

400

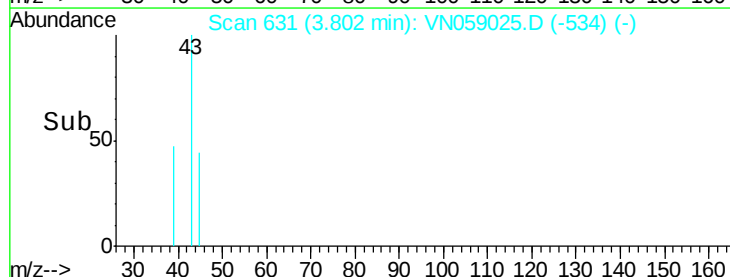
300

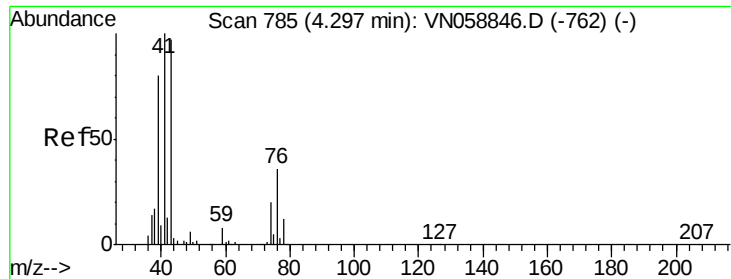
200

100

0

Time--> 3.76 3.78 3.80 3.82

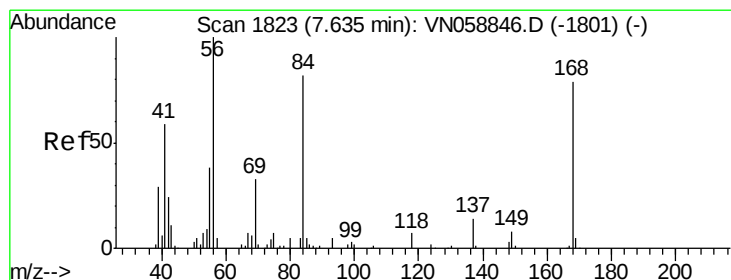
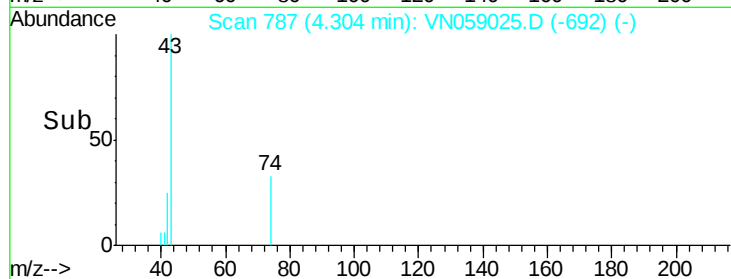
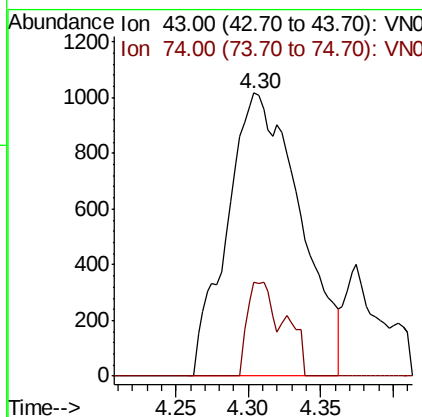
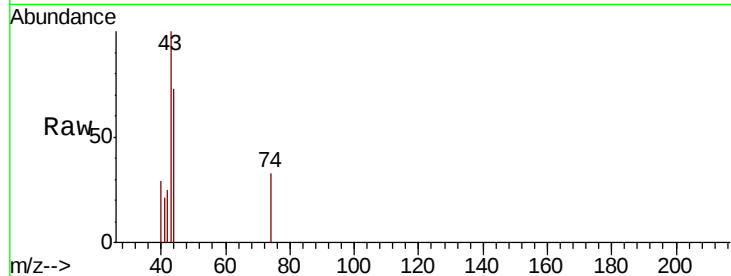




#18
Methvl Acetate
Concen: 0.490 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059025.D
Acq: 31 Oct 2019 9:26

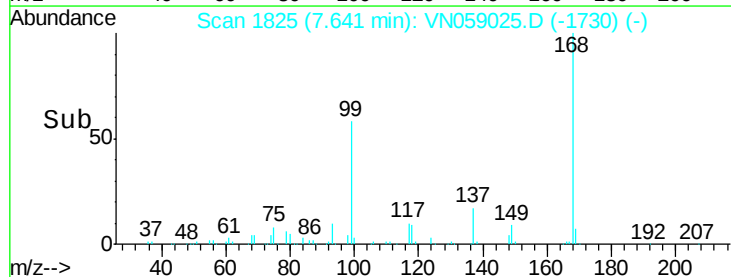
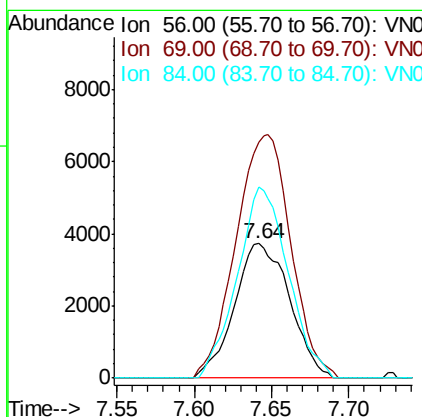
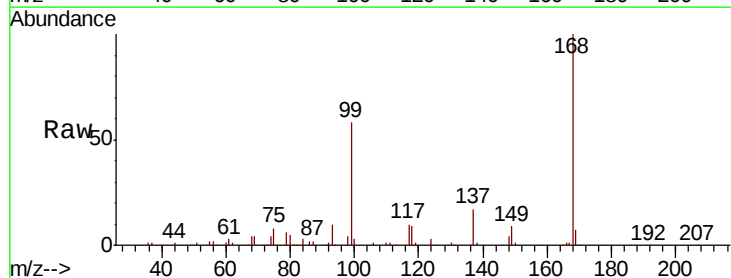
Instrument :
MSVOA_N
ClientSampleId :

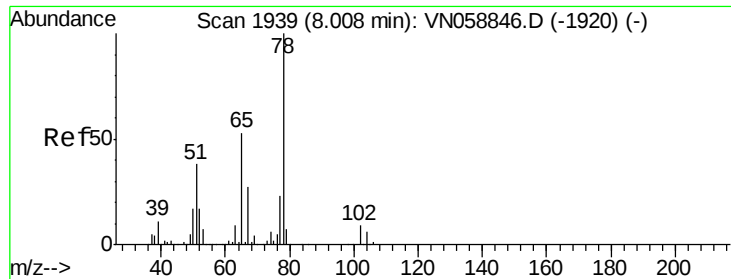
Tot Ion: 43 Resp: 3549
Ion Ratio Lower Upper
43 100
74 11.6 17.1 25.7#



#31
Cyclohexane
Concen: 0.998 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059025.D
Acq: 31 Oct 2019 9:26

Tgt Ion: 56 Resp: 9244
Ion Ratio Lower Upper
56 100
69 175.0 26.2 39.4#
84 141.9 65.6 98.4#





#33

1,2-Dichloroethane-d4

Concen: 46.441 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

Instrument :

MSVOA_N

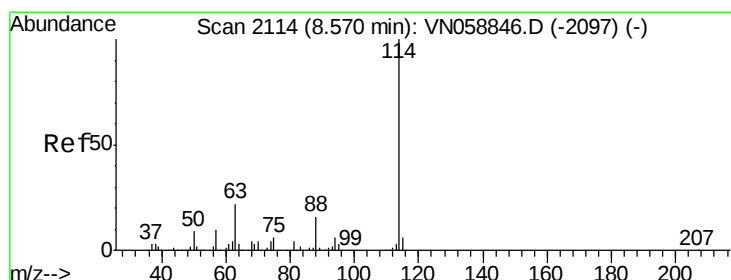
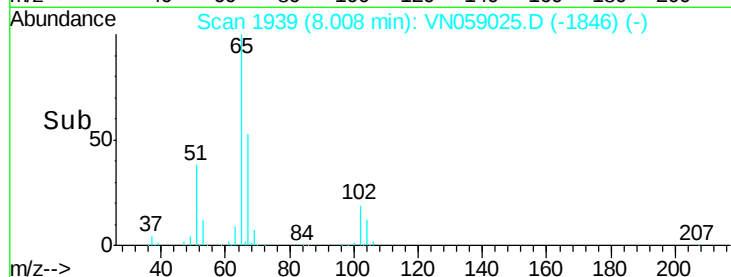
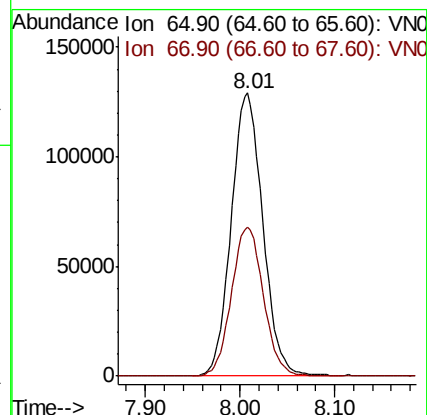
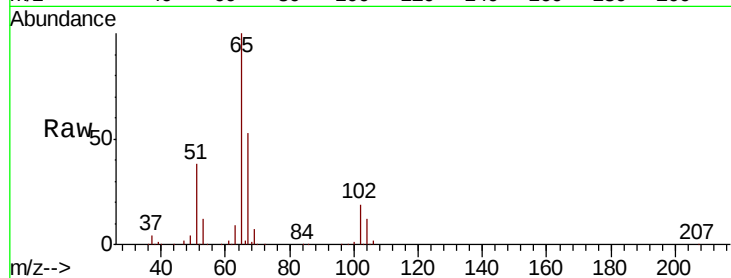
ClientSampled :

Tot Ion: 65 Resp: 299215

Ion Ratio Lower Upper

65 100

67 53.5 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

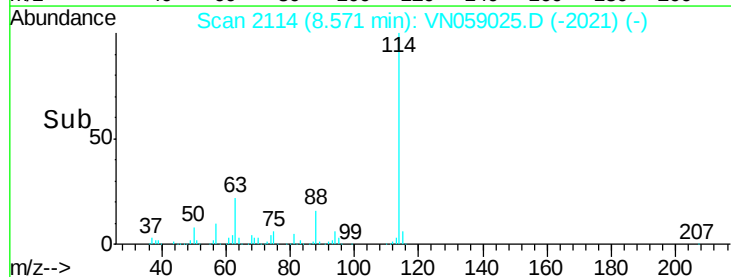
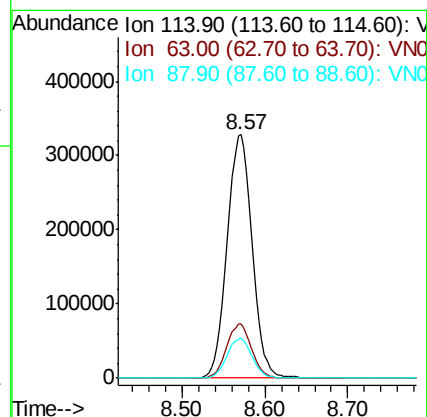
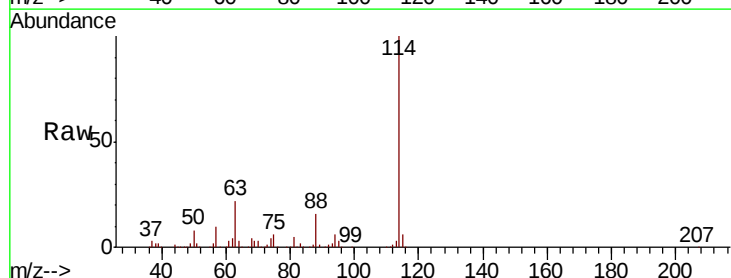
Tgt Ion: 114 Resp: 688188

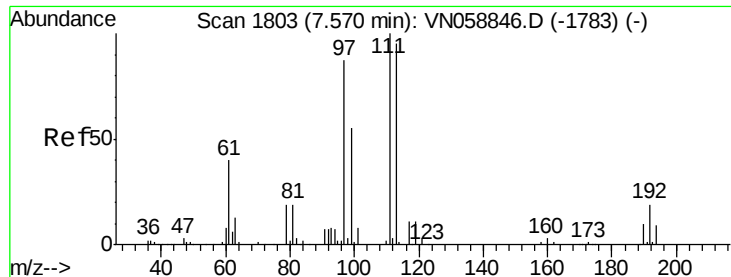
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.4

88 16.2 0.0 31.4

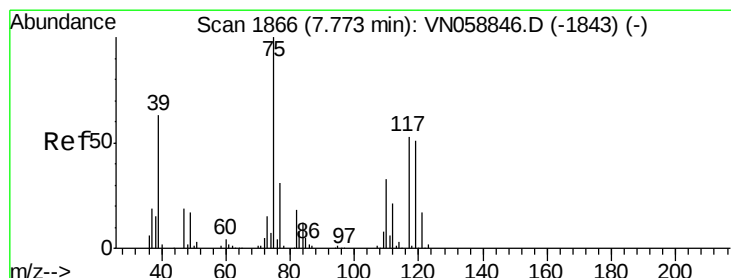
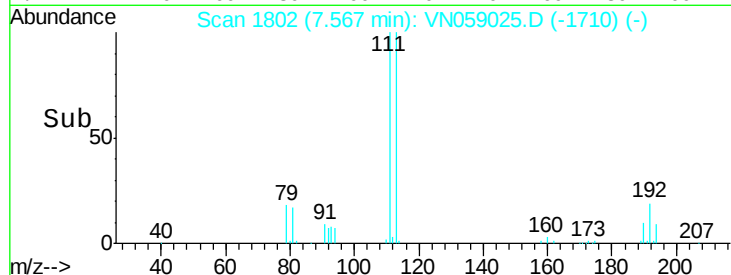
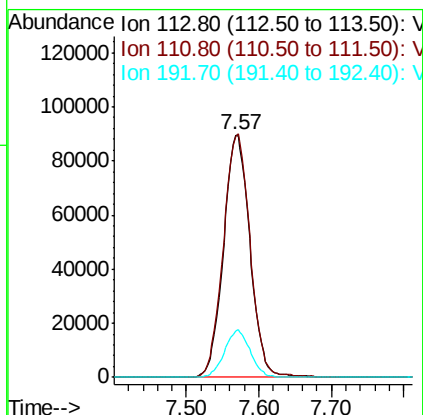
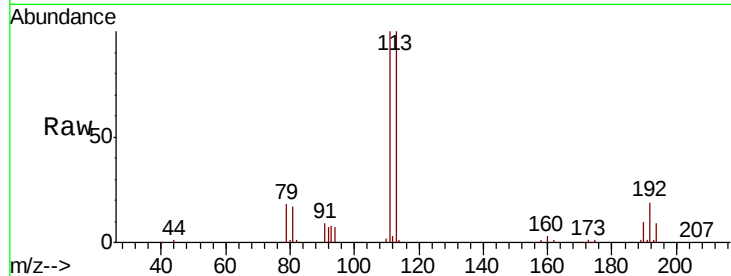




#35
Dibromofluoromethane
Concen: 50.147 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059025.D
Acq: 31 Oct 2019 9:26

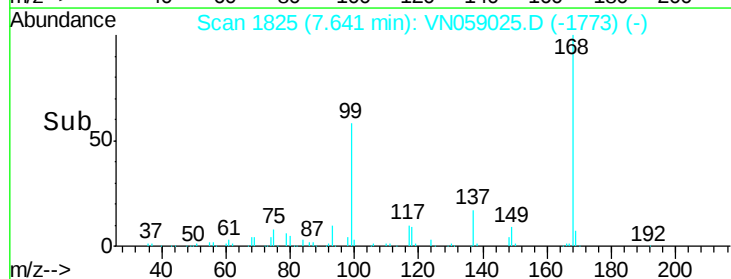
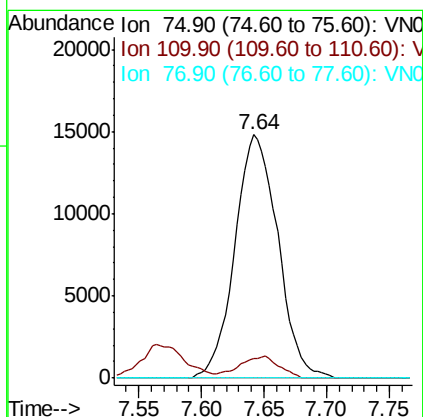
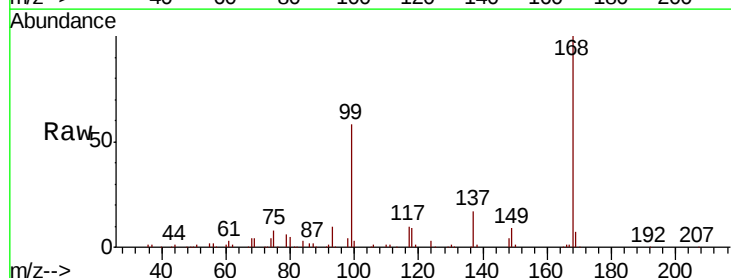
Instrument :
MSVOA_N
ClientSampleId :

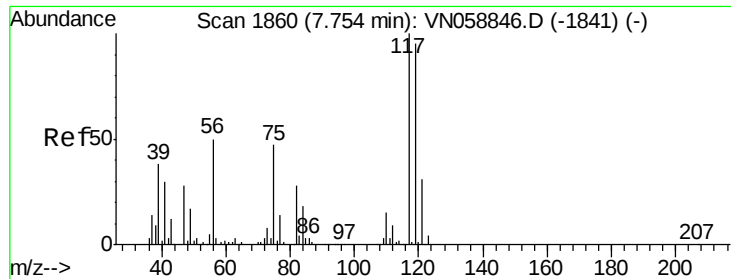
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	19.0	15.0	22.6



#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN059025.D
Acq: 31 Oct 2019 9:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.3	48.9#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.974 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

Instrument :

MSVOA_N

ClientSampled :

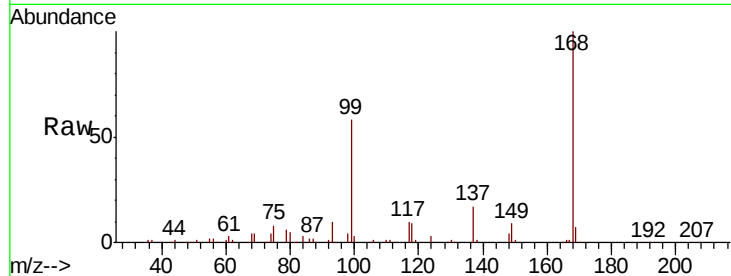
Tot Ion:117 Resp: 43364

Ion Ratio Lower Upper

117 100

119 5.4 75.7 113.5#

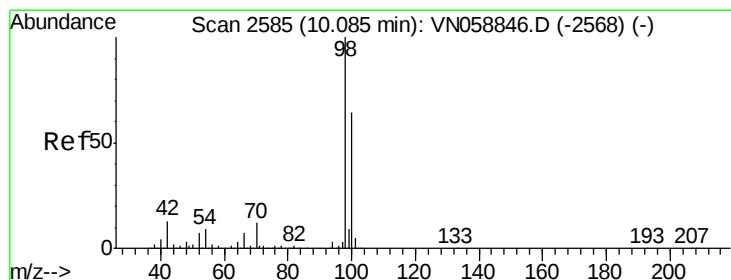
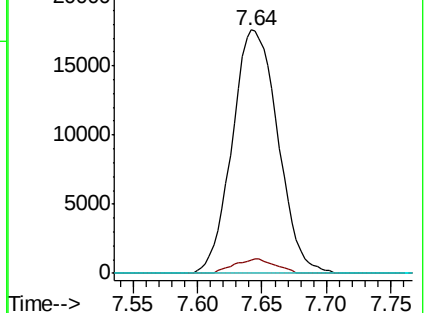
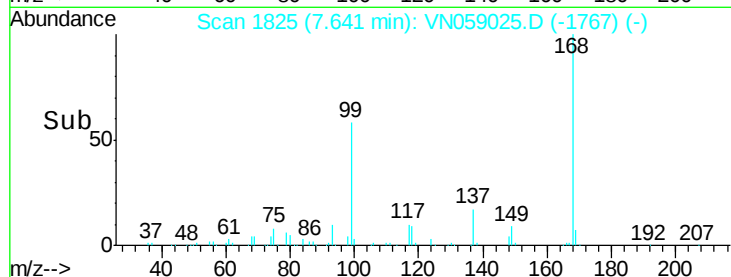
121 0.0 25.0 37.6#



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: 49.100 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059025.D

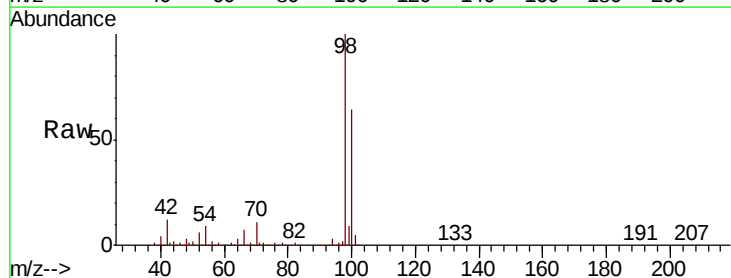
Acq: 31 Oct 2019 9:26

Tgt Ion: 98 Resp: 862405

Ion Ratio Lower Upper

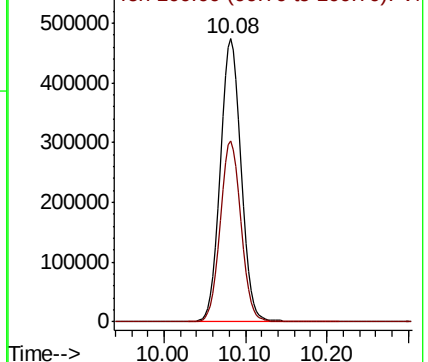
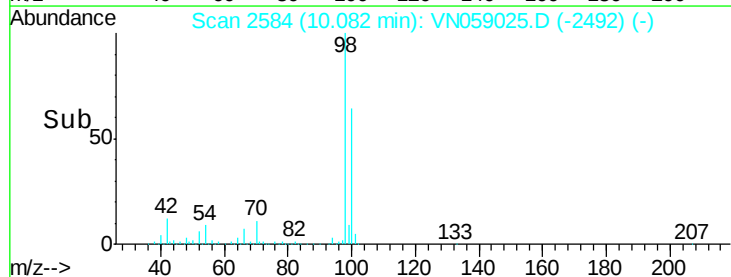
98 100

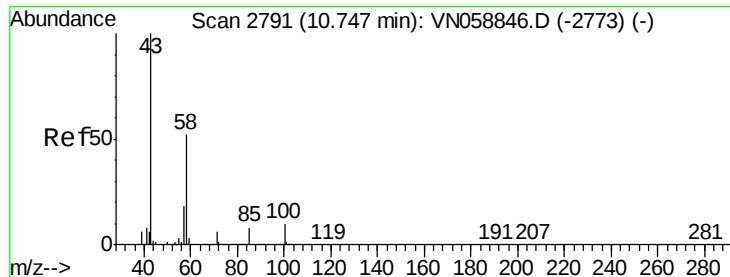
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

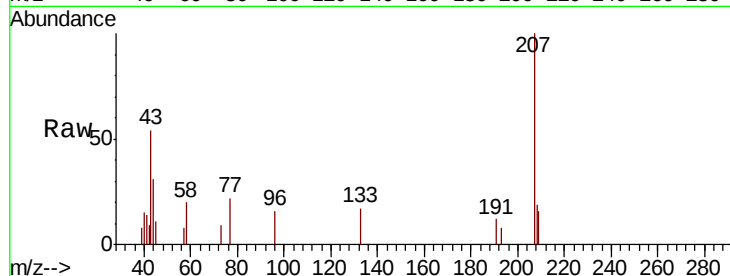




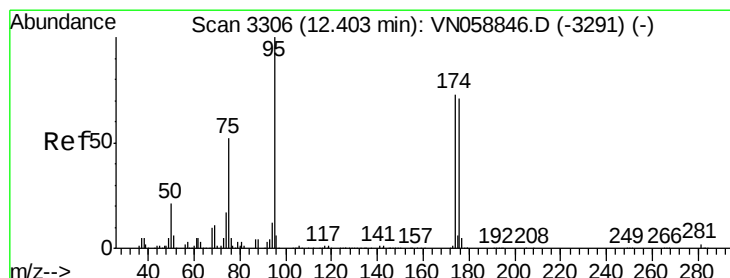
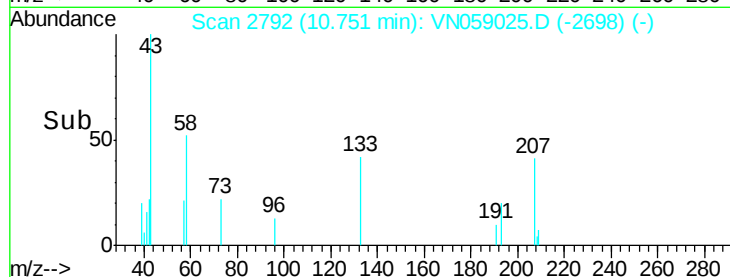
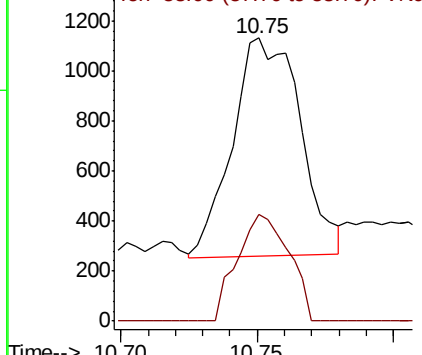
#59
2-Hexanone
Concen: 0.271 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN059025.D
Acq: 31 Oct 2019 9:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1506
Ion Ratio Lower Upper
43 100
58 37.3 25.9 77.7

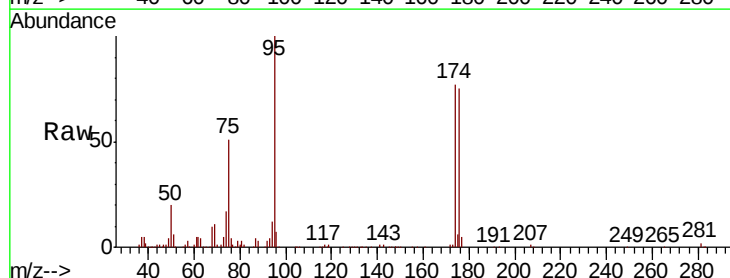


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

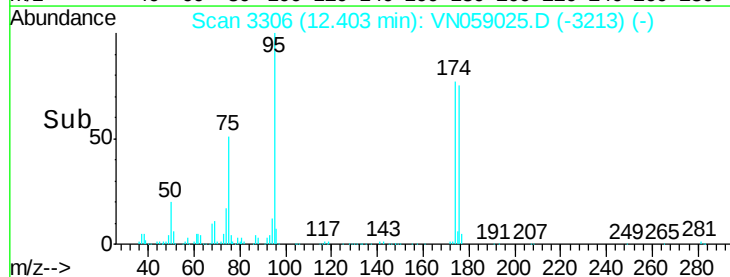
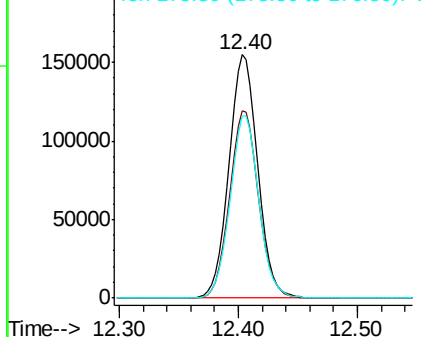


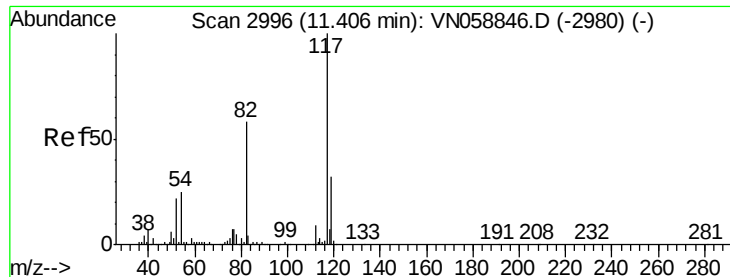
#62
4-Bromofluorobenzene
Concen: 40.242 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059025.D
Acq: 31 Oct 2019 9:26

Tgt Ion: 95 Resp: 259562
Ion Ratio Lower Upper
95 100
174 77.4 0.0 147.6
176 74.9 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

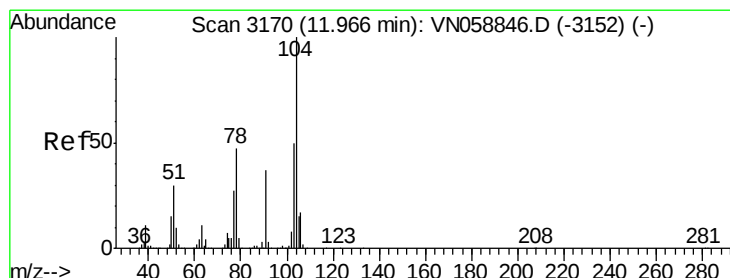
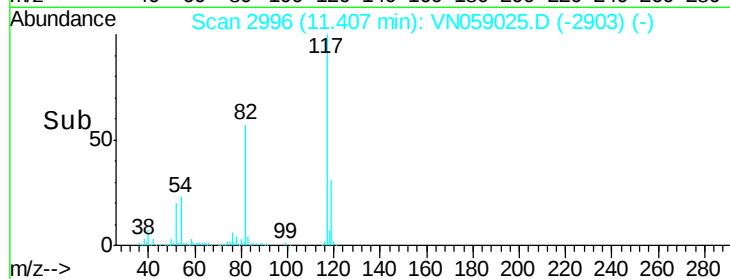
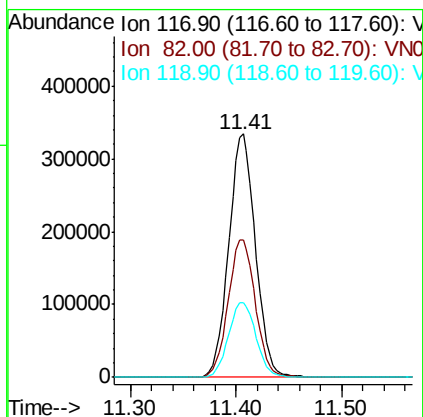
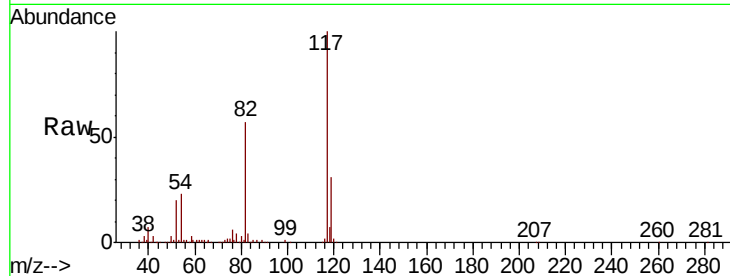




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059025.D
Acq: 31 Oct 2019 9:26

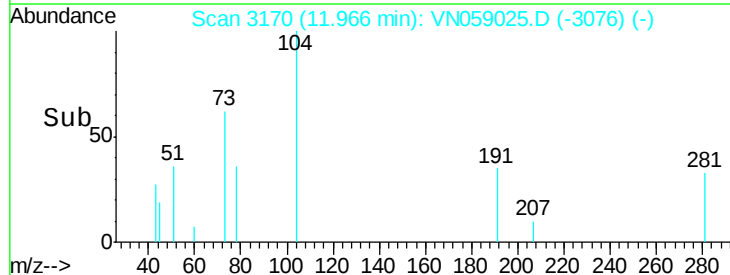
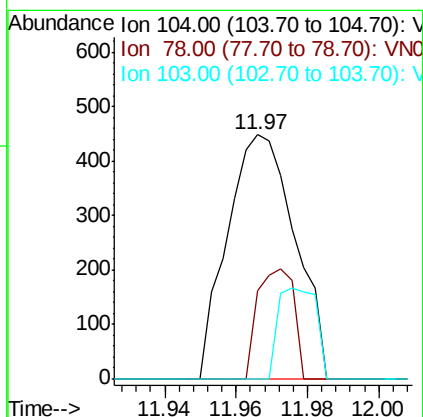
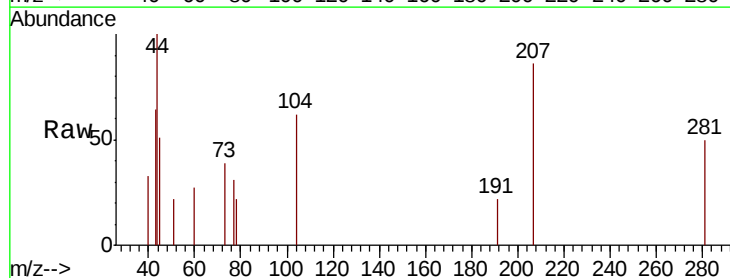
Instrument :
MSVOA_N
ClientSampled :

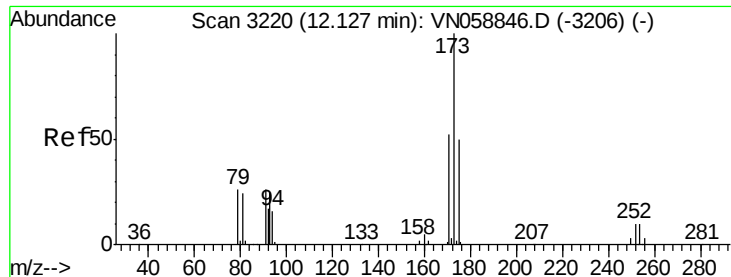
Tot Ion:117 Resp: 584485
Ion Ratio Lower Upper
117 100
82 56.6 46.6 69.8
119 30.7 25.6 38.4



#70
Styrene
Concen: 1.755 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059025.D
Acq: 31 Oct 2019 9:26

Tgt Ion:104 Resp: 586
Ion Ratio Lower Upper
104 100
78 24.1 42.8 64.2#
103 21.0 44.3 66.5#





#71

Bromoform

Concen: 0.429 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

Instrument :

MSVOA_N

ClientSampleId :

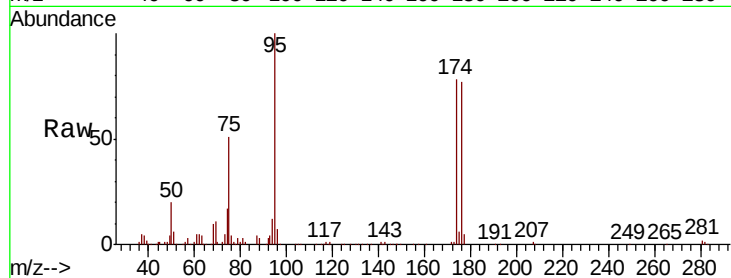
Tot Ion:173 Resp: 1495

Ion Ratio Lower Upper

173 100

175 789.8 24.7 74.1#

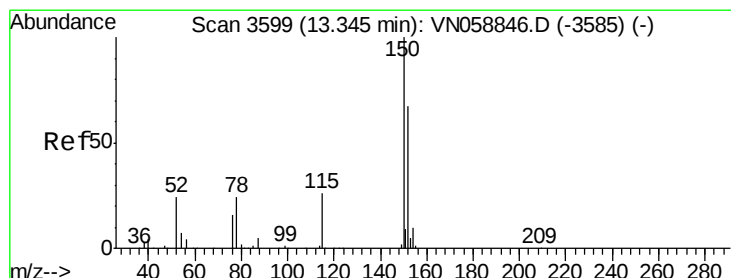
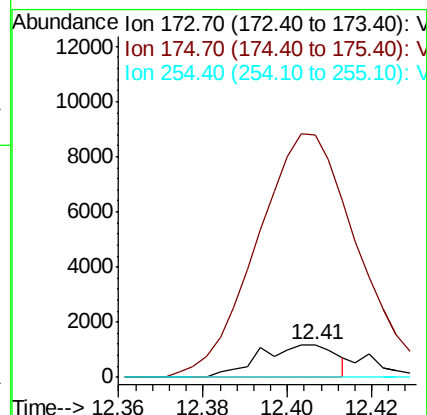
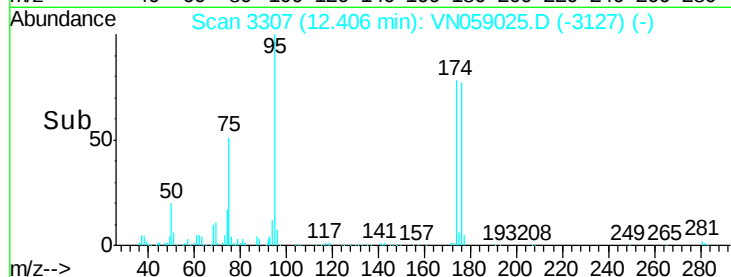
254 0.0 0.0 0.0



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

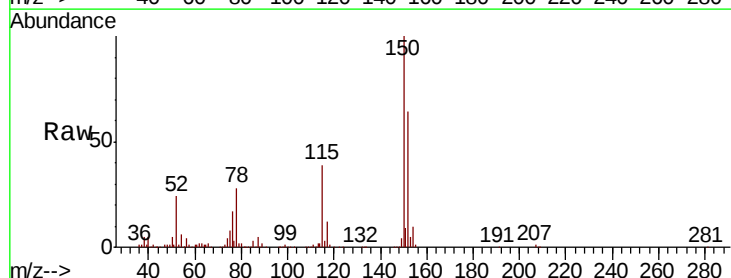
Tgt Ion:152 Resp: 194831

Ion Ratio Lower Upper

152 100

115 60.9 30.5 91.5

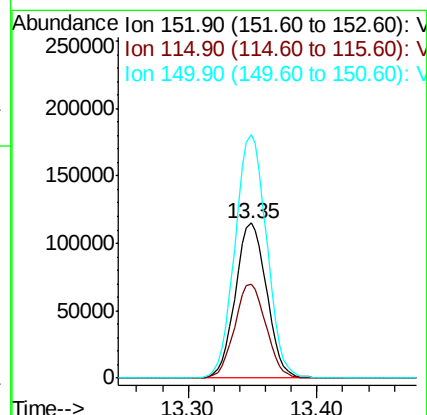
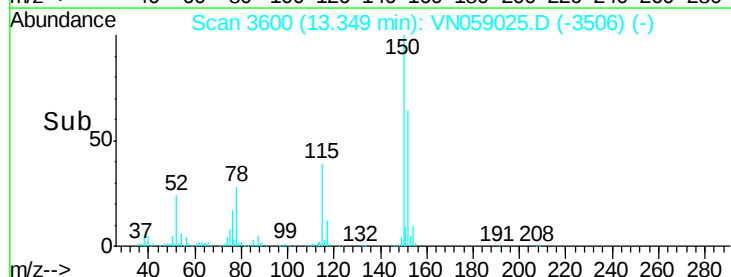
150 158.6 0.0 344.4

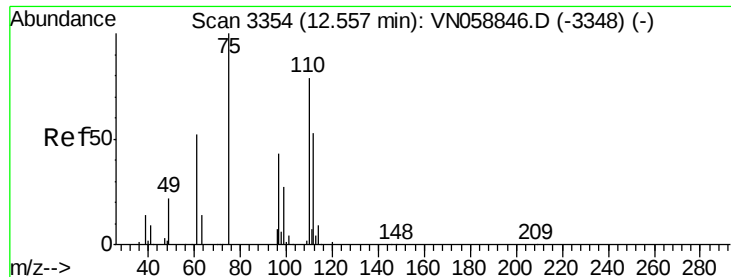


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.706 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

Instrument :

MSVOA_N

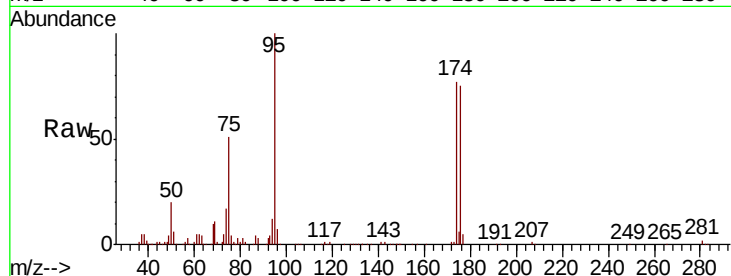
ClientSampled :

Tot Ion: 75 Resp: 134133

Ion Ratio Lower Upper

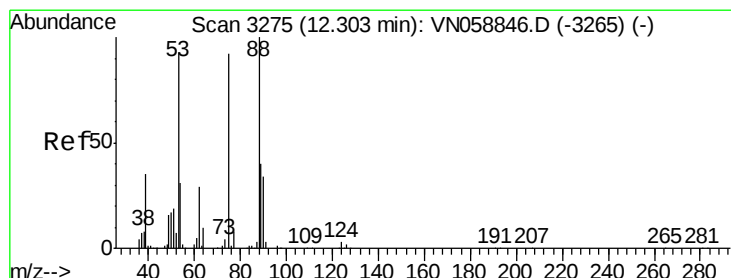
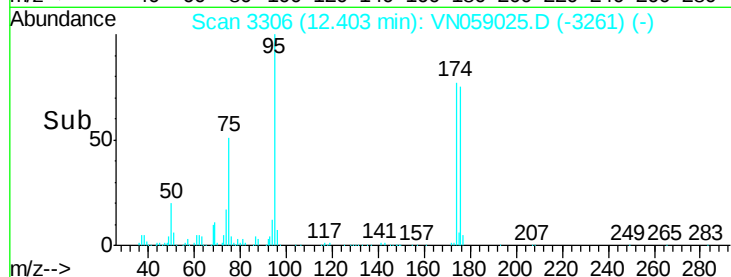
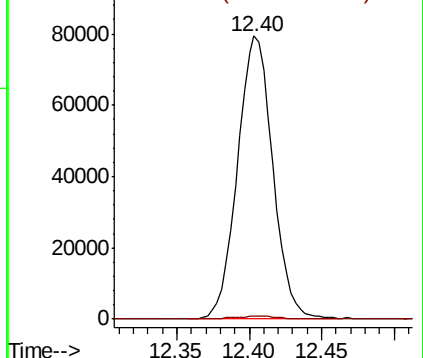
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 77.385 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

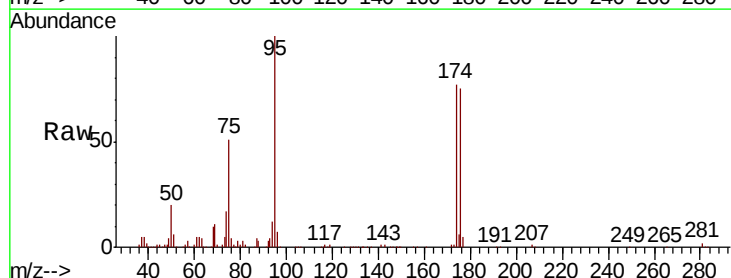
Tgt Ion: 75 Resp: 134133

Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

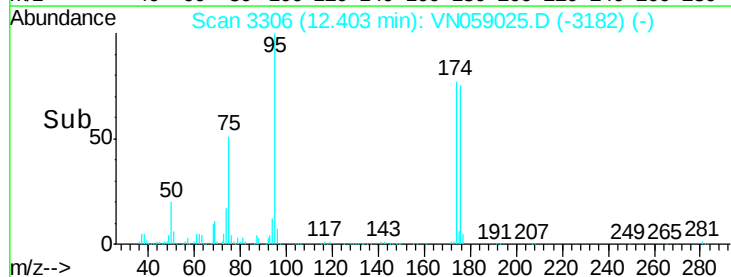
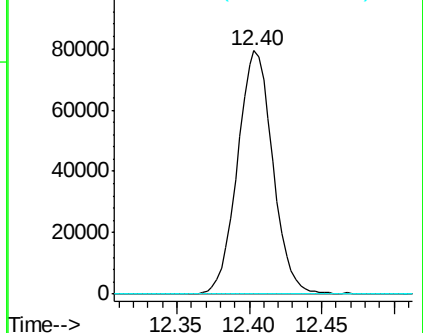
89 0.0 35.4 53.0#

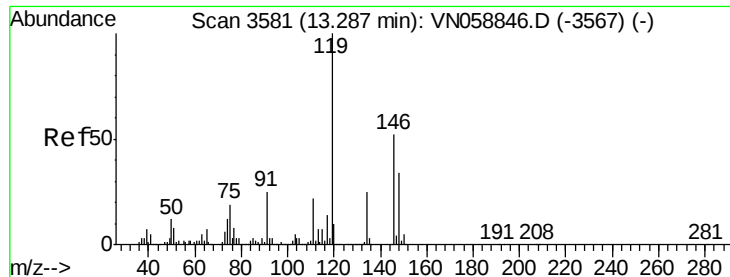


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

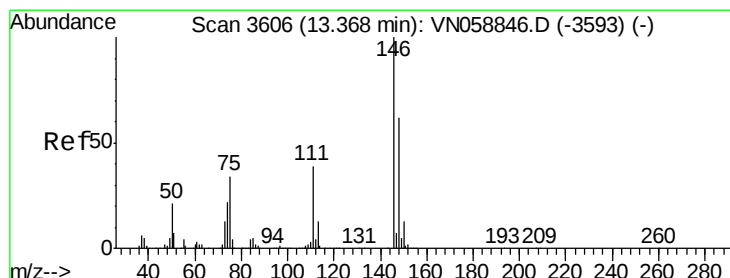
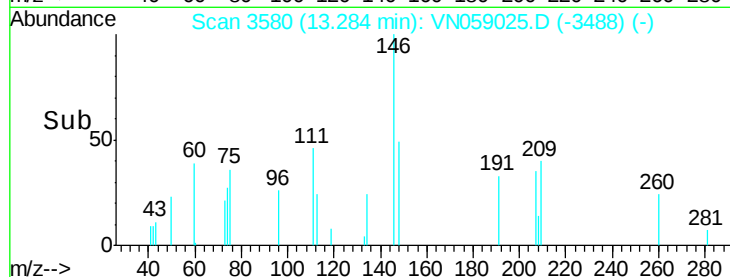
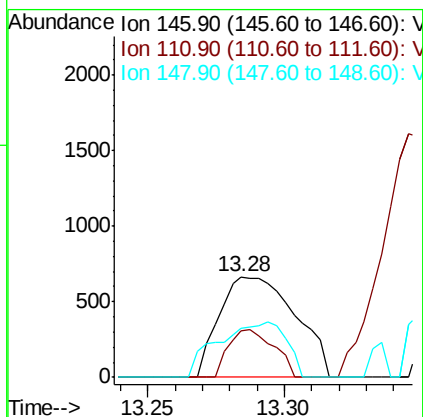
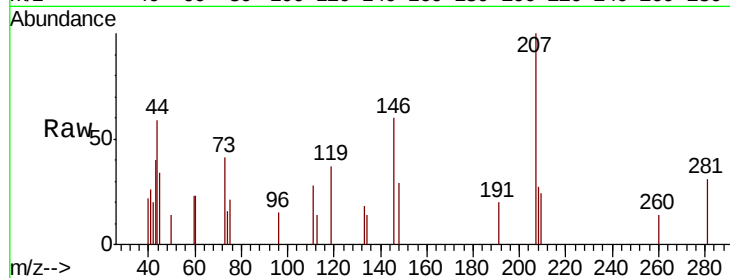




#87
 1,3-Dichlorobenzene
 Concen: 0.205 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059025.D
 Acq: 31 Oct 2019 9:26

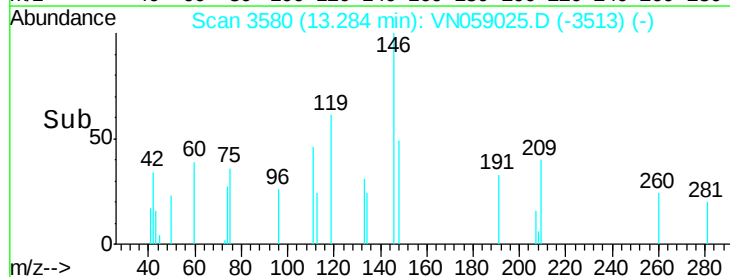
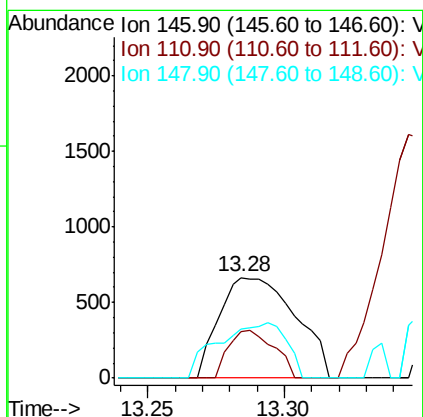
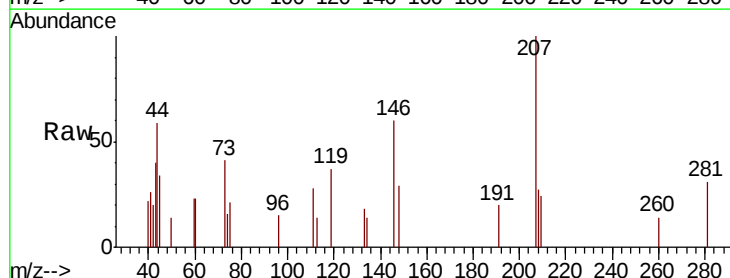
Instrument :
 MSVOA_N
 ClientSampleId :

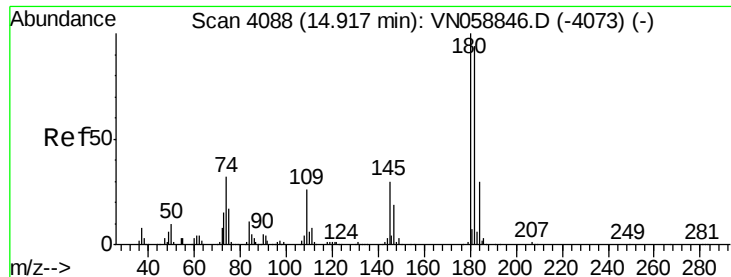
Tot Ion:146 Resp: 1287
 Ion Ratio Lower Upper
 146 100
 111 28.3 21.0 63.0
 148 49.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 0.205 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN059025.D
 Acq: 31 Oct 2019 9:26

Tgt Ion:146 Resp: 1287
 Ion Ratio Lower Upper
 146 100
 111 28.3 20.2 60.6
 148 49.0 31.6 94.7

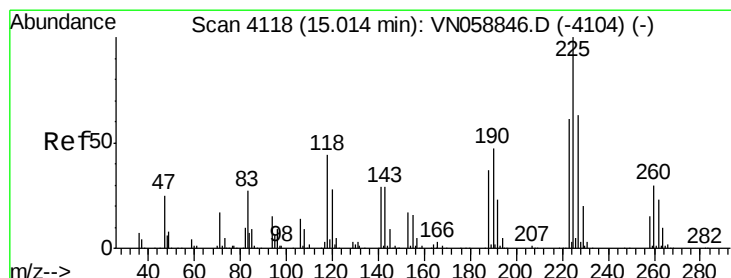
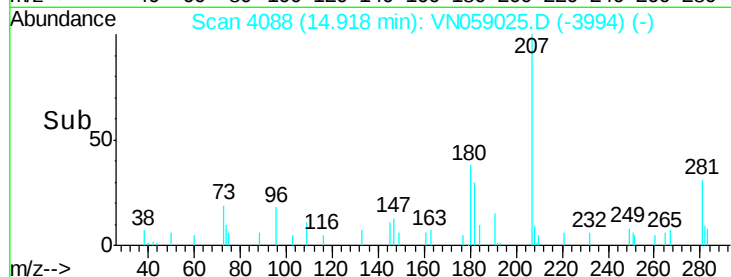
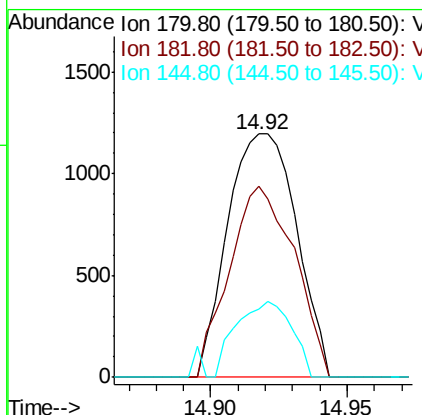
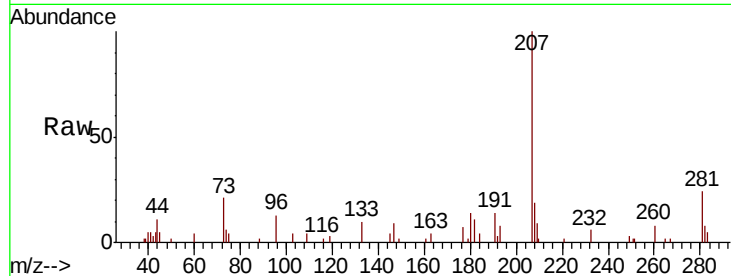




#93
 1,2,4-Trichlorobenzene
 Concen: 3.034 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059025.D
 Acq: 31 Oct 2019 9:26

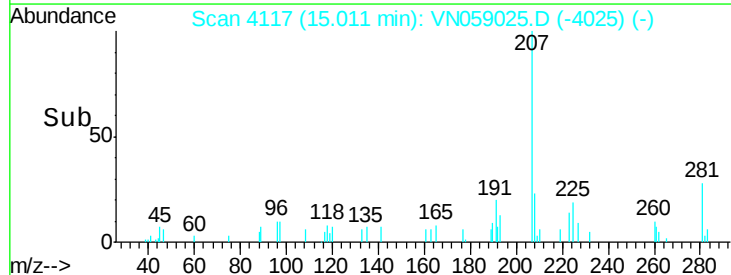
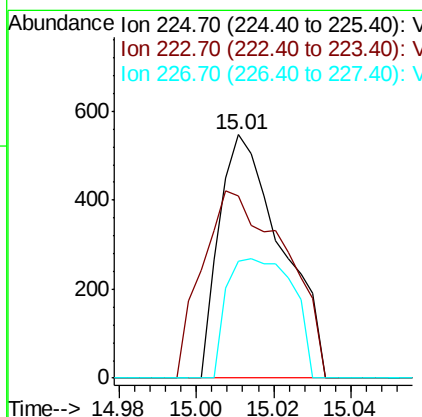
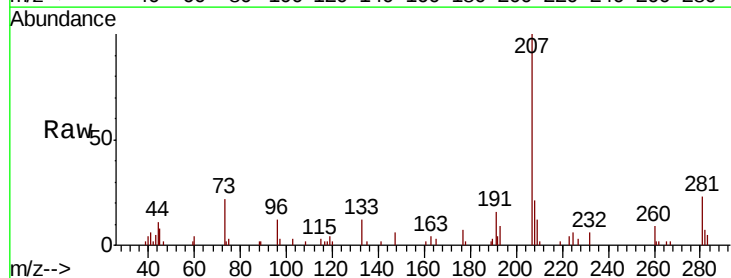
Instrument :
 MSVOA_N
 ClientSampleId :

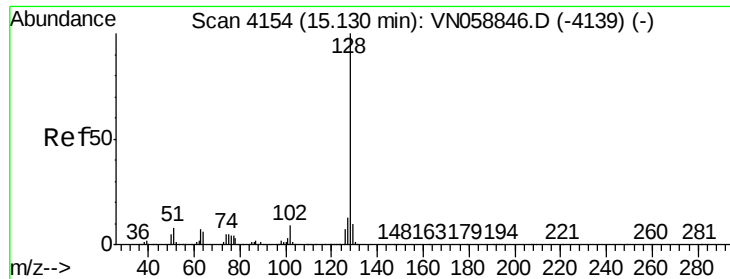
Tot Ion:180 Resp: 2100
 Ion Ratio Lower Upper
 180 100
 182 74.1 47.3 142.0
 145 25.2 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 0.308 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059025.D
 Acq: 31 Oct 2019 9:26

Tgt Ion:225 Resp: 615
 Ion Ratio Lower Upper
 225 100
 223 102.8 30.9 92.5#
 227 51.7 31.6 94.7





#95

Naphthalene

Concen: 2.921 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

Instrument :

MSVOA_N

ClientSampled :

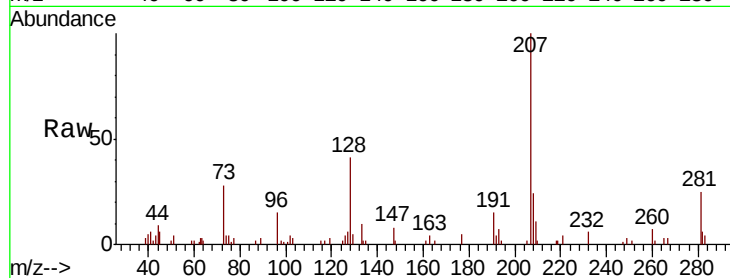
Tot Ion:128 Resp: 8119

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

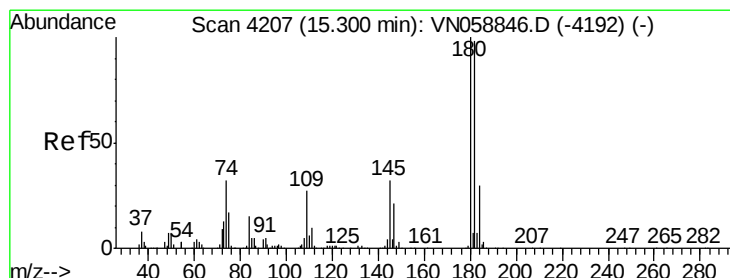
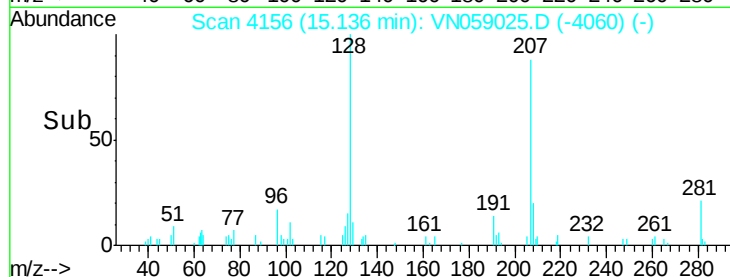
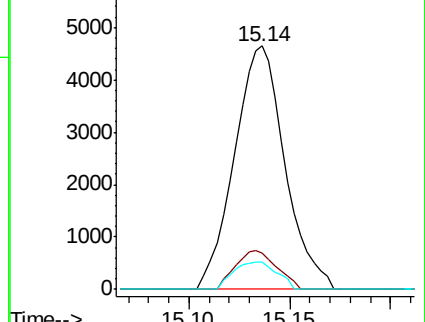
129 9.7 8.4 12.6



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: 3.137 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN059025.D

Acq: 31 Oct 2019 9:26

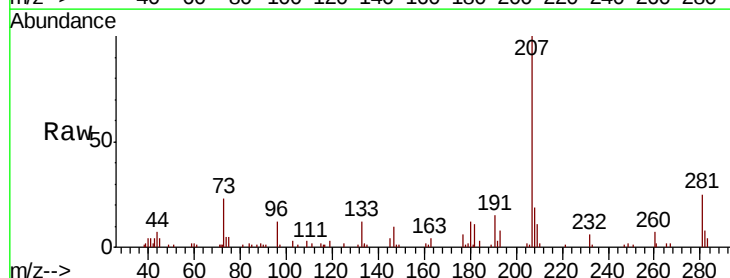
Tgt Ion:180 Resp: 2950

Ion Ratio Lower Upper

180 100

182 98.4 47.9 143.7

145 35.4 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

