

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014727.D
 Acq On : 23 Jan 2020 16:36
 Operator : SY/VA
 Sample : L1243-02
 Misc : 5.89G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:12:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	273916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	446113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	155485	64.92	ug/l	0.00
Spiked Amount			Recovery	=	129.84%	
35) Dibromofluoromethane	7.88	113	136735	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
50) Toluene-d8	10.32	98	432393	40.64	ug/l	0.00
Spiked Amount			Recovery	=	81.28%	
62) 4-Bromofluorobenzene	12.62	95	105491	29.23	ug/l	0.00
Spiked Amount			Recovery	=	58.46%	

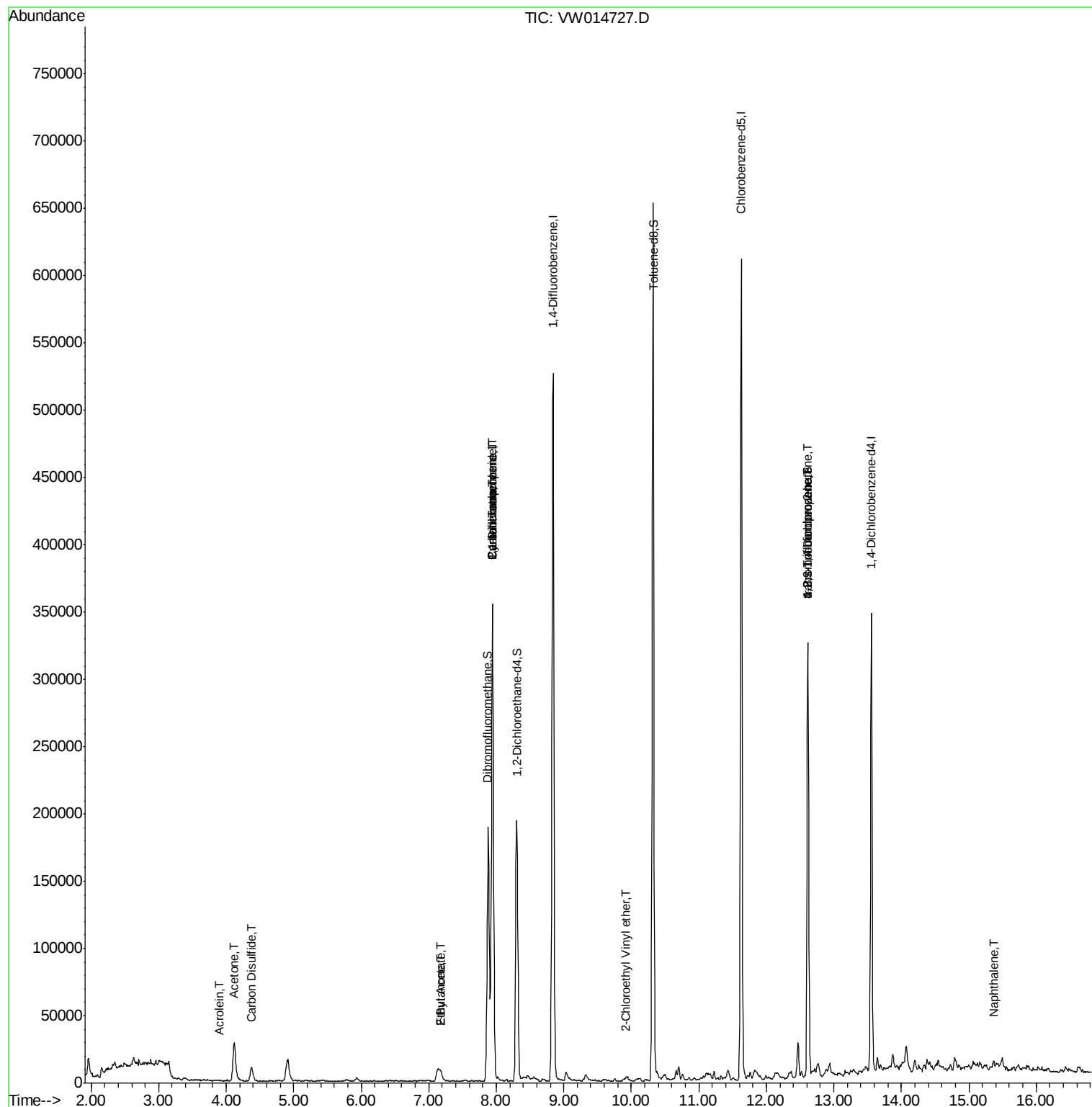
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	206	Below Cal	#	73
13) Acrolein	3.90	56	300	1.435	ug/l #	24
16) Acetone	4.12	43	53005	78.382	ug/l	97
17) Carbon Disulfide	4.37	76	21546	2.623	ug/l	98
20) Methylene Chloride	4.92	84	11456	Below Cal		94
25) 2-Butanone	7.18	43	13201	15.211	ug/l	96
31) Cyclohexane	7.95	56	6146	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20333	4.728	ug/l #	49
37) Ethyl Acetate	7.18	43	13201	6.768	ug/l #	67
38) Carbon Tetrachloride	7.94	117	25965	6.959	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.93	63	1142	1.342	ug/l #	74
76) 1,2,3-Trichloropropane	12.62	75	52004	58.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	52004	131.083	ug/l #	14
95) Naphthalene	15.36	128	6262	1.997	ug/l #	91

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

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014727.D

Acq: 23 Jan 2020 16:36

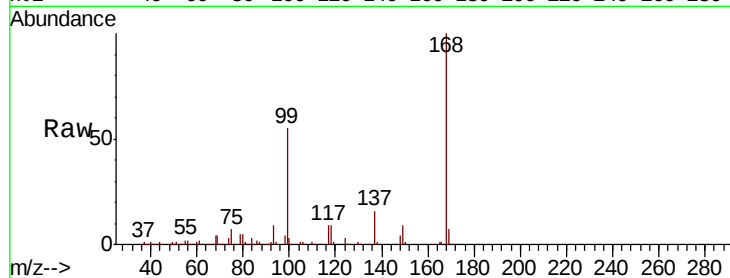
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 273916

Ion Ratio Lower Upper

168 100

99 55.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

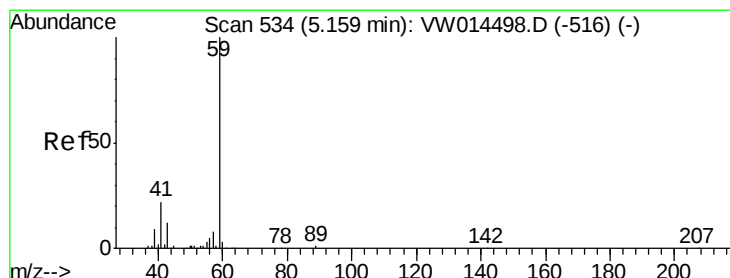
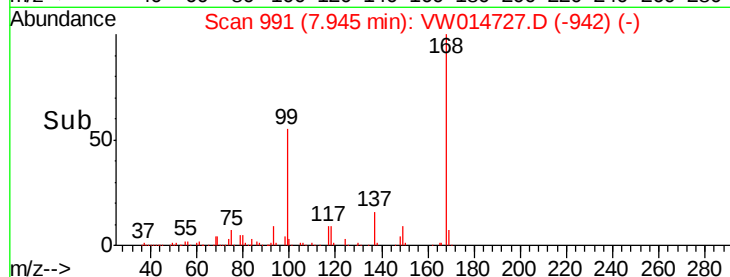
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014727.D

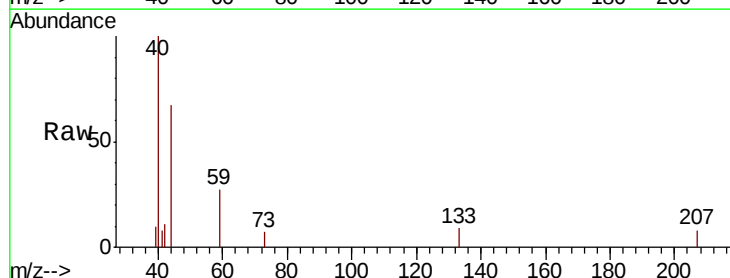
Acq: 23 Jan 2020 16:36

Tgt Ion: 59 Resp: 206

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

250

200

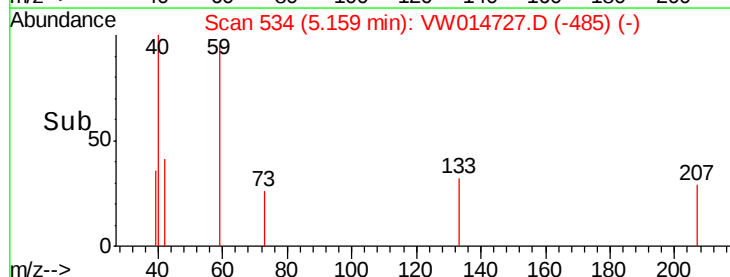
150

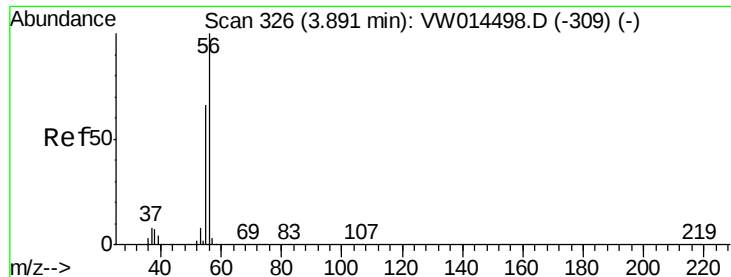
100

50

0

Time--> 5.14 5.15 5.16 5.17 5.18





#13

Acrolein

Concen: 1.435 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW014727.D

Acq: 23 Jan 2020 16:36

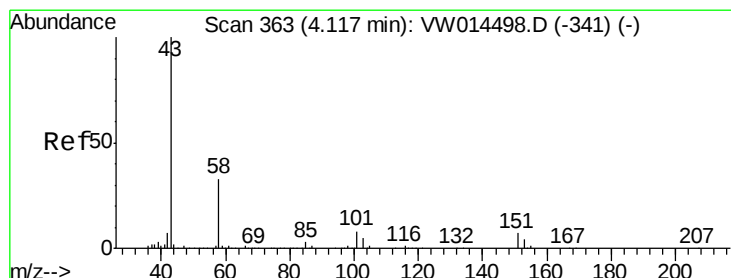
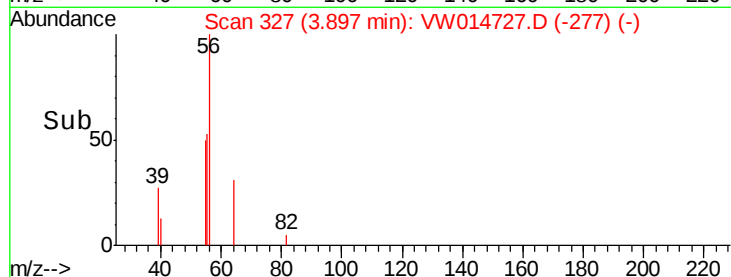
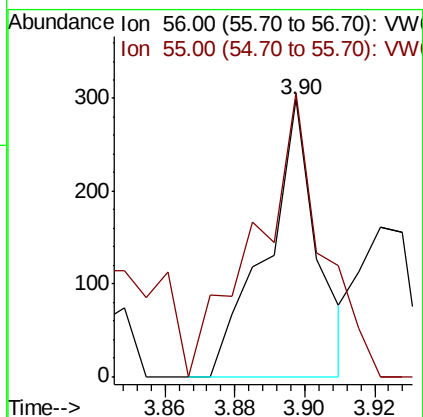
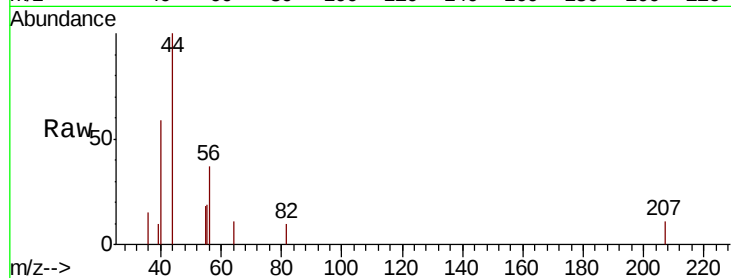
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 300

Ion Ratio Lower Upper

56 100

55 133.7 56.7 85.1#



#16

Acetone

Concen: 78.382 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014727.D

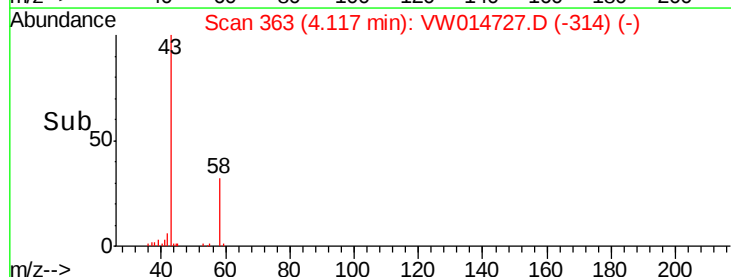
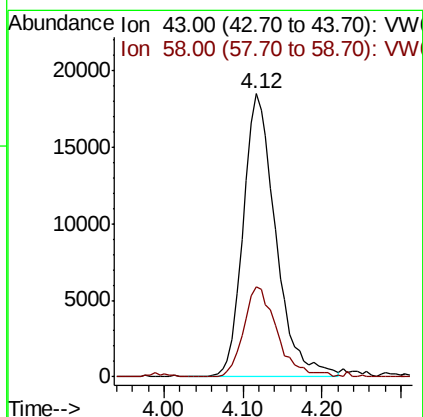
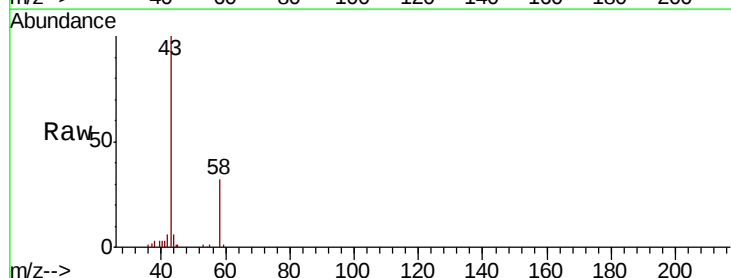
Acq: 23 Jan 2020 16:36

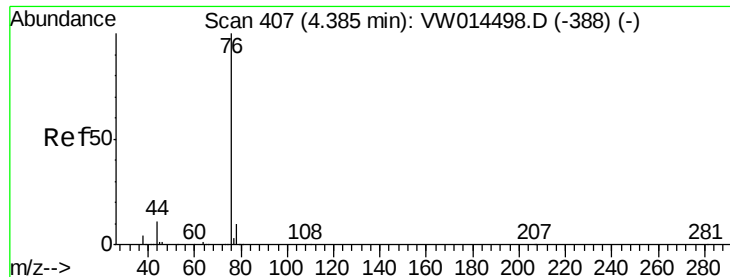
Tgt Ion: 43 Resp: 53005

Ion Ratio Lower Upper

43 100

58 31.6 26.6 39.8

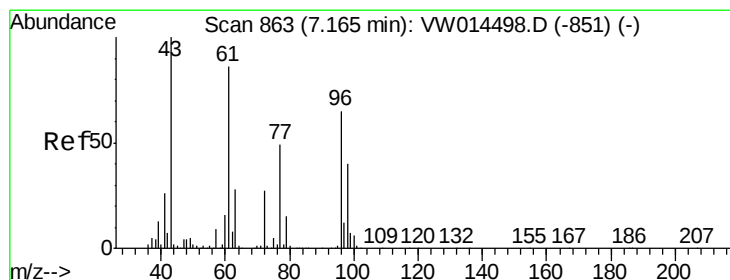
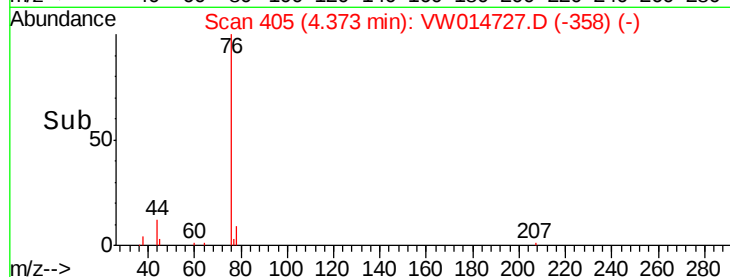
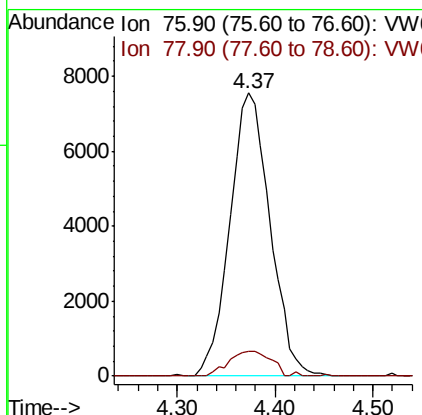
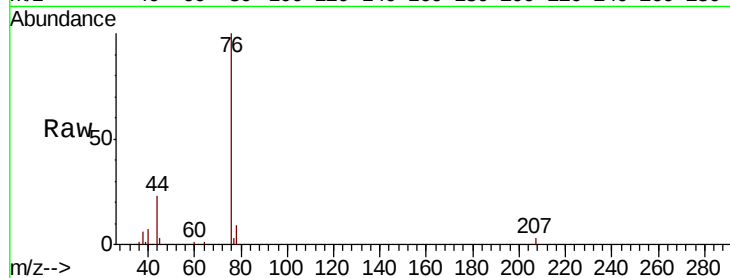




#17
Carbon Disulfide
Concen: 2.623 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW014727.D
Acq: 23 Jan 2020 16:36

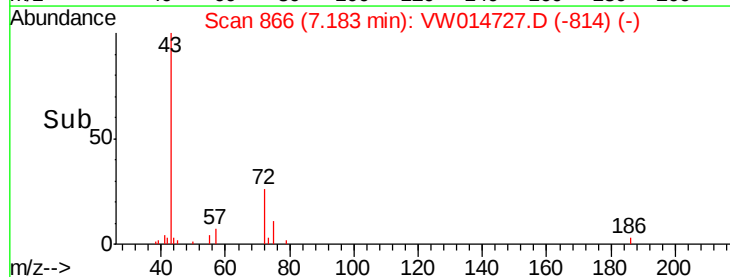
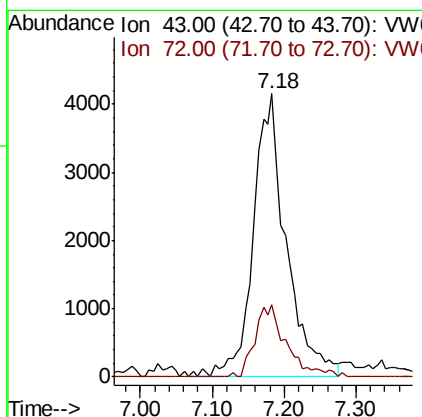
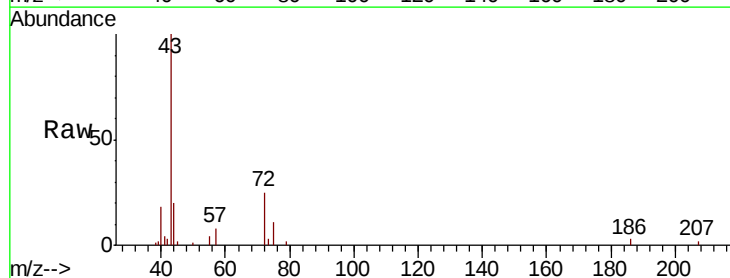
Instrument :
MSVOA_W
ClientSampleId :

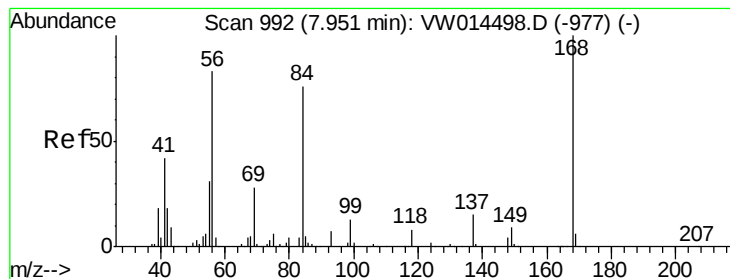
Tot Ion: 76 Resp: 21546
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6



#25
2-Butanone
Concen: 15.211 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW014727.D
Acq: 23 Jan 2020 16:36

Tgt Ion: 43 Resp: 13201
Ion Ratio Lower Upper
43 100
72 25.5 21.9 32.9





#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014727.D

Acq: 23 Jan 2020 16:36

Instrument :
MSVOA_W
ClientSampled :

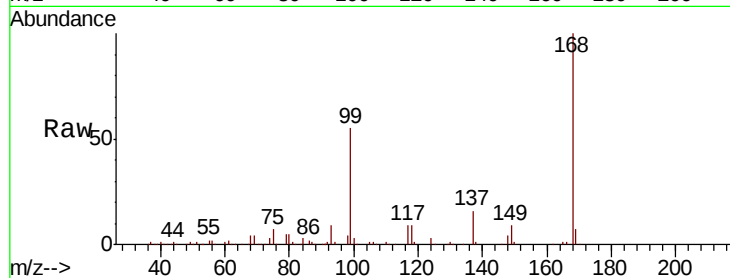
Tot Ion: 56 Resp: 6146

Ion Ratio Lower Upper

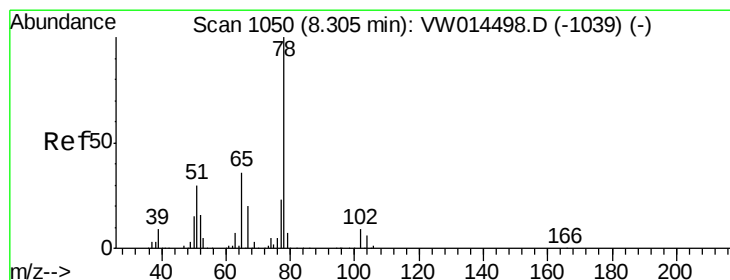
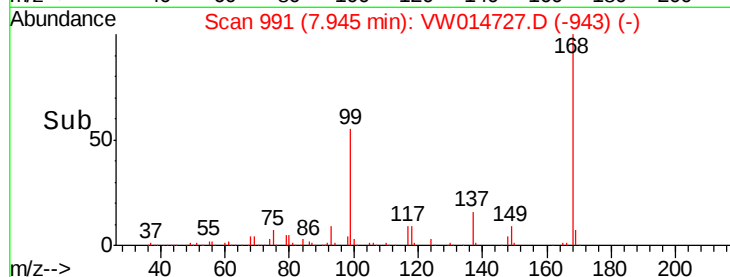
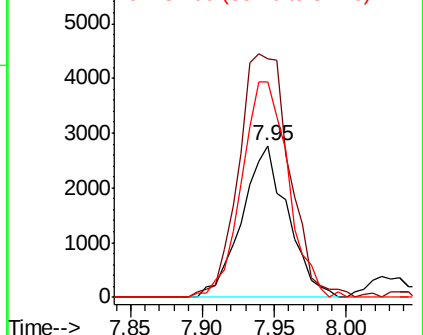
56 100

69 156.8 26.8 40.2#

84 142.2 71.8 107.6#



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



#33

1,2-Dichloroethane-d4

Concen: 64.924 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW014727.D

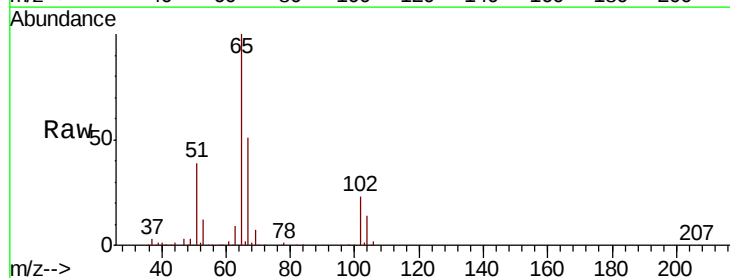
Acq: 23 Jan 2020 16:36

Tgt Ion: 65 Resp: 155485

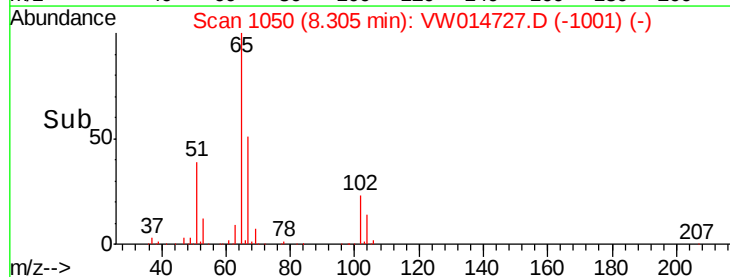
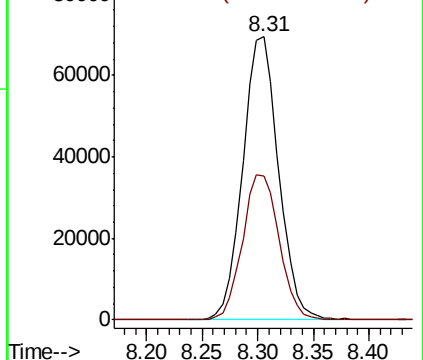
Ion Ratio Lower Upper

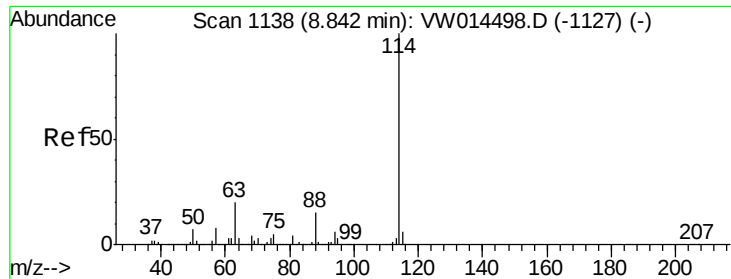
65 100

67 52.7 0.0 108.4



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

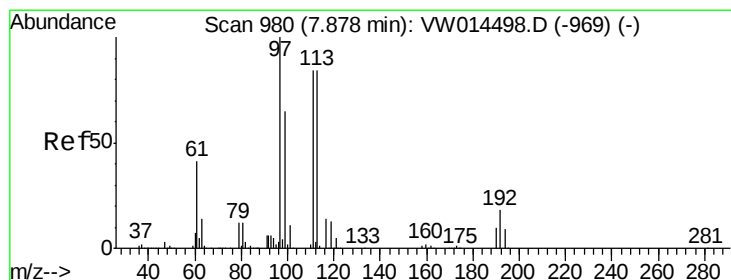
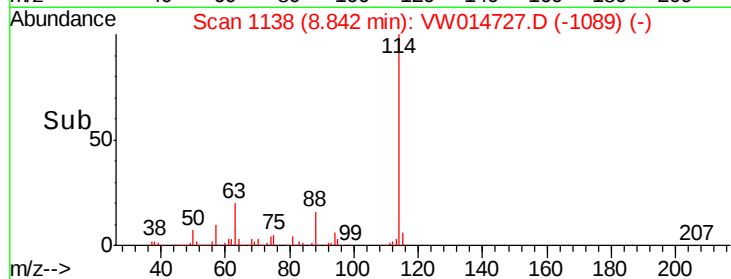
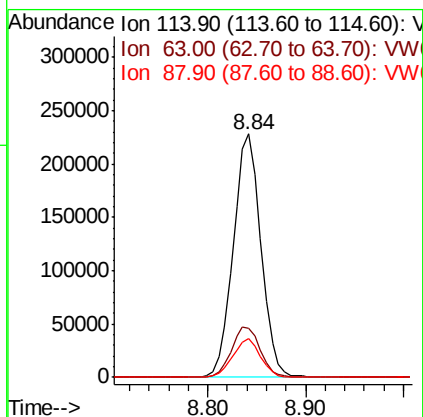
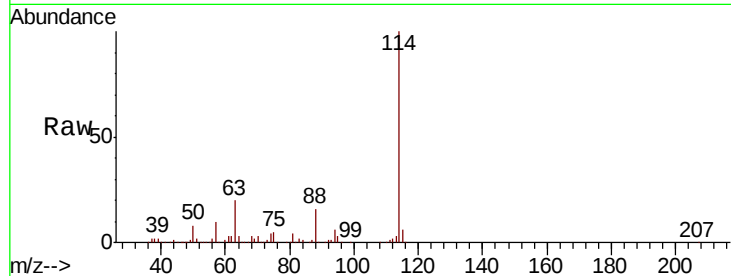




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014727.D
 Acq: 23 Jan 2020 16:36

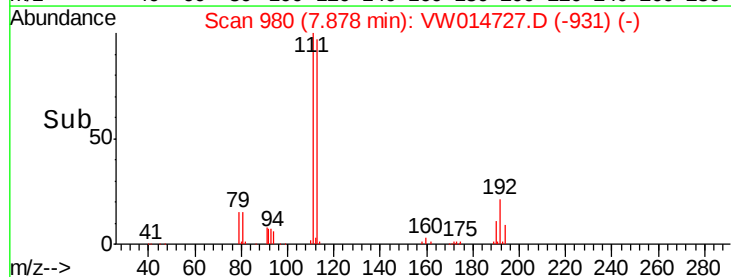
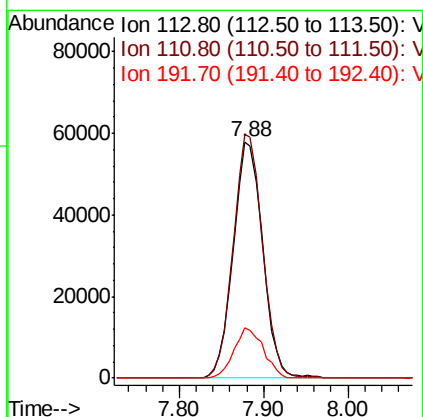
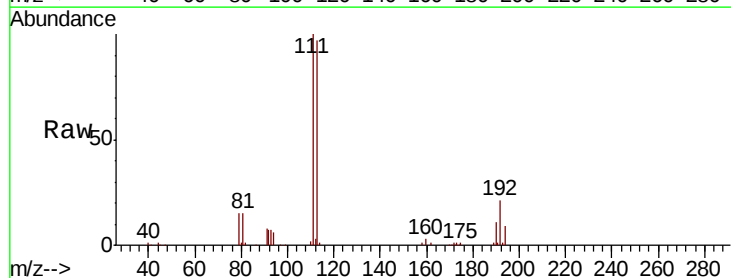
Instrument :
 MSVOA_W
 ClientSampleId :

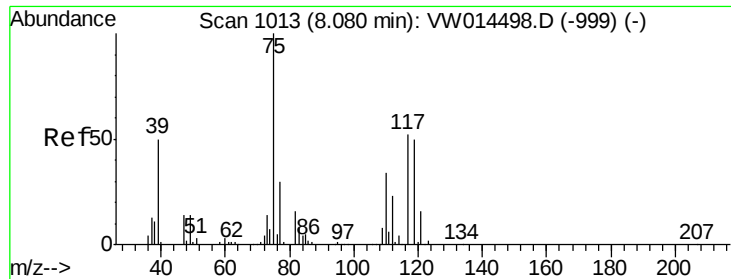
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.4
88	15.8	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 53.630 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014727.D
 Acq: 23 Jan 2020 16:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	21.2	17.8	26.8

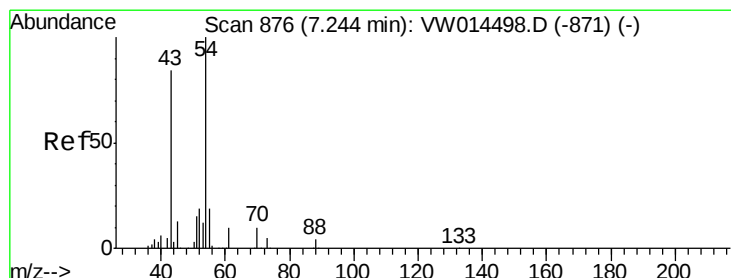
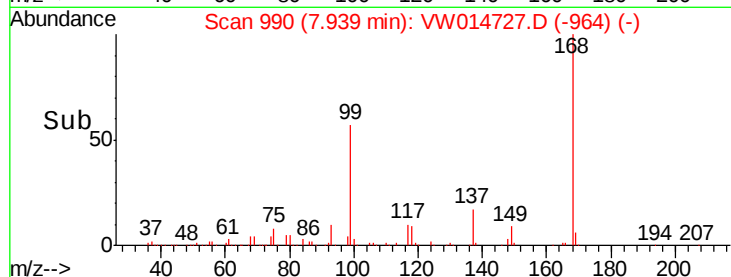
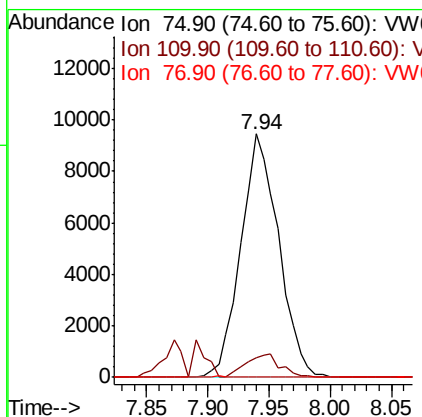
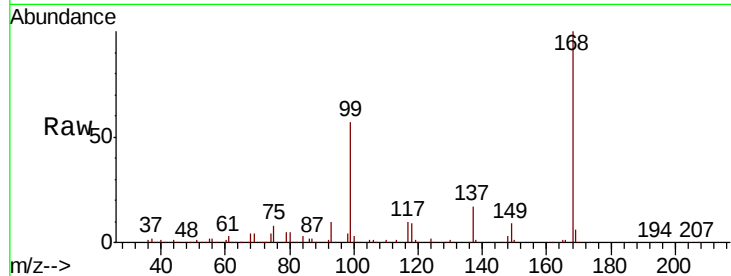




#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014727.D
 Acq: 23 Jan 2020 16:36

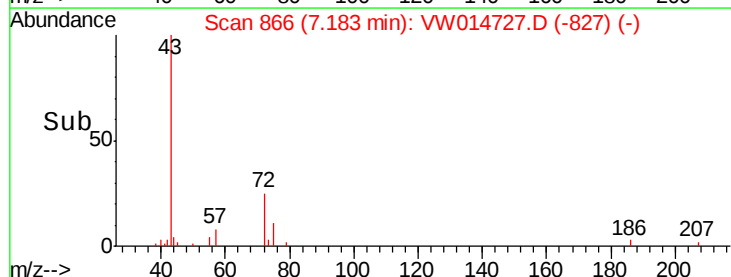
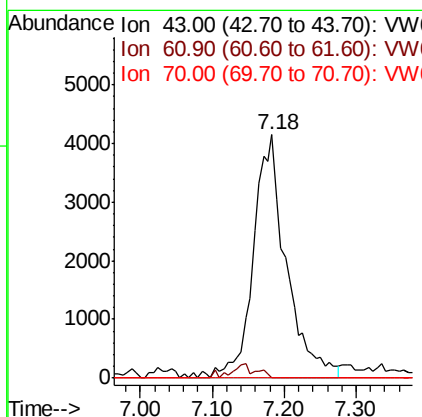
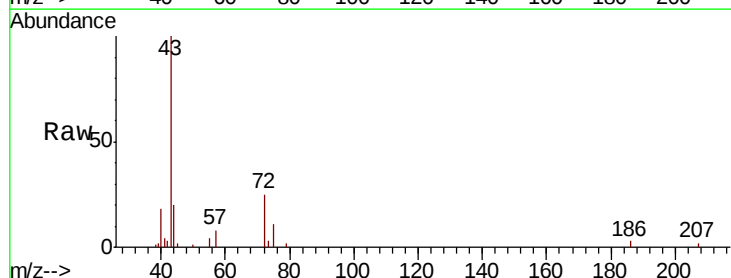
Instrument :
 MSVOA_W
 ClientSampled :

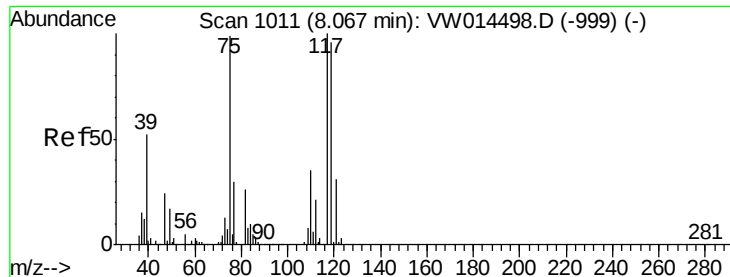
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.8	53.5#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 6.768 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.06 min
 Lab File: VW014727.D
 Acq: 23 Jan 2020 16:36

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	9.0	13.6#

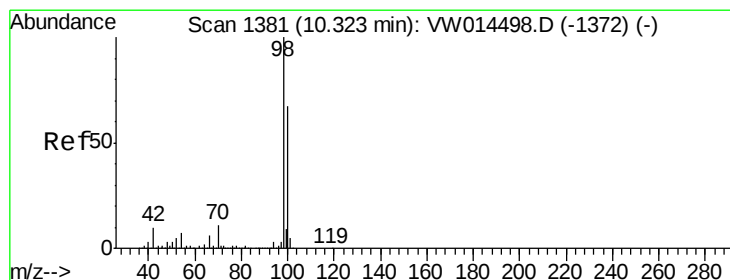
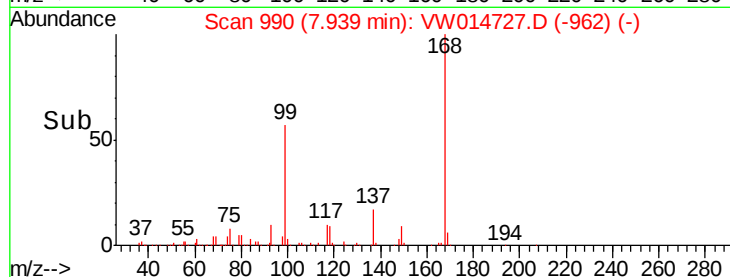
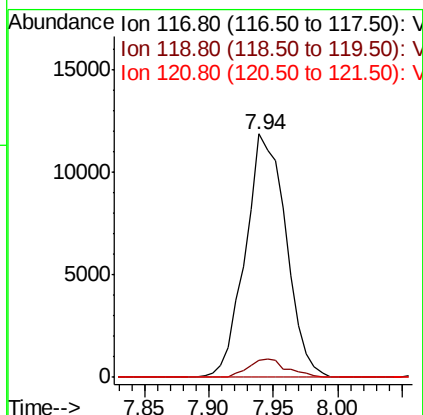
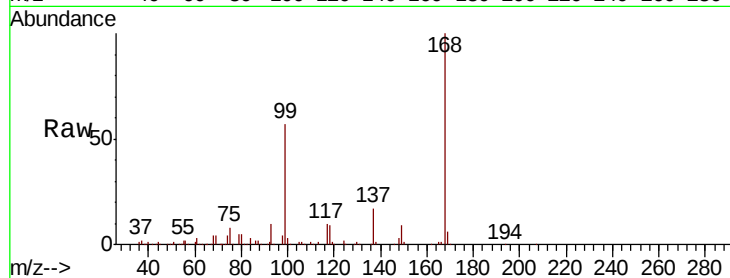




#38
Carbon Tetrachloride
Concen: 6.959 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW014727.D
Acq: 23 Jan 2020 16:36

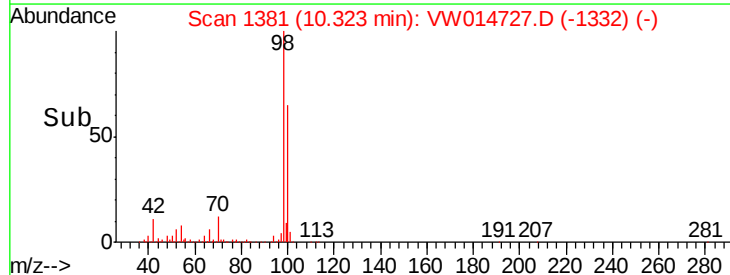
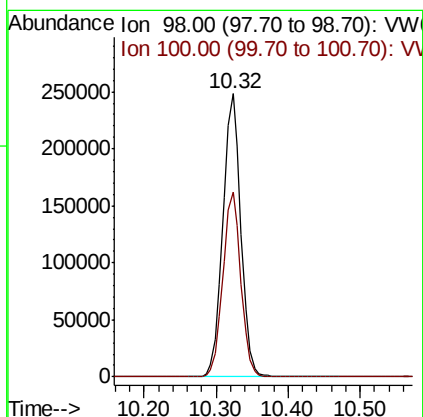
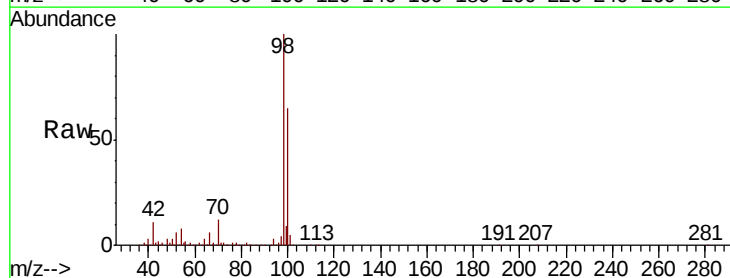
Instrument :
MSVOA_W
ClientSampleId :

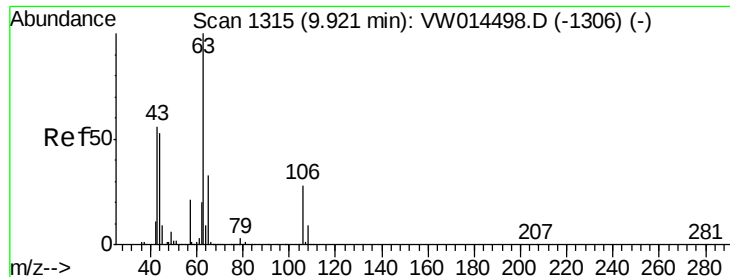
Tot Ion:117 Resp: 25965
Ion Ratio Lower Upper
117 100
119 7.1 77.0 115.6#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 40.638 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014727.D
Acq: 23 Jan 2020 16:36

Tgt Ion: 98 Resp: 432393
Ion Ratio Lower Upper
98 100
100 65.2 53.8 80.6

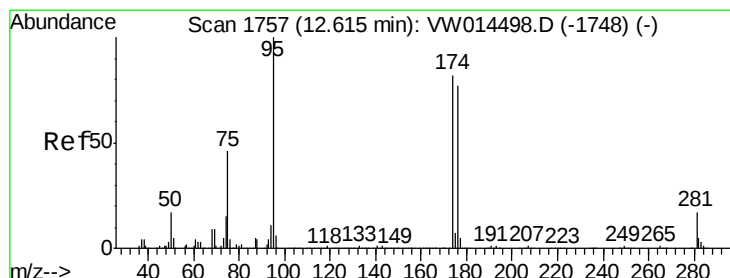
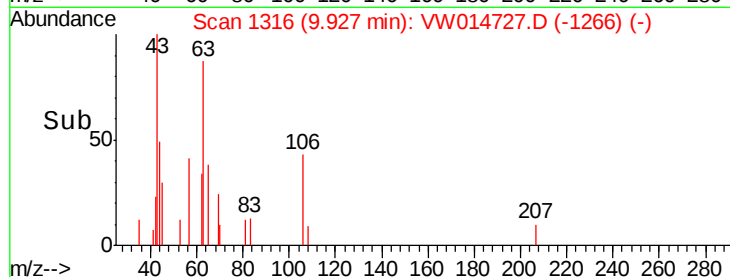
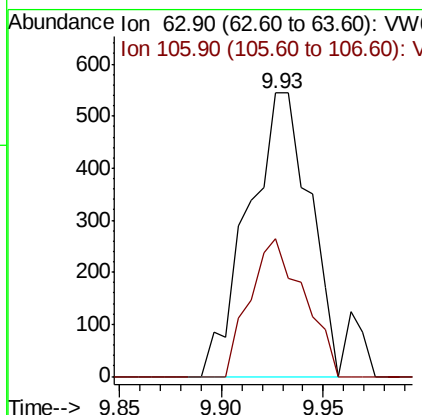
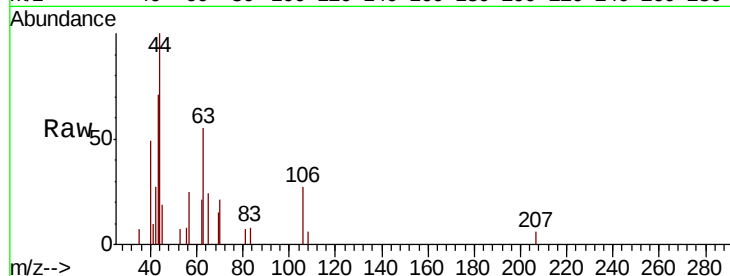




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.342 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW014727.D
 Acq: 23 Jan 2020 16:36

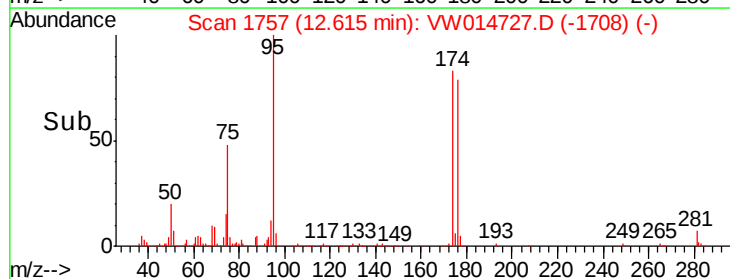
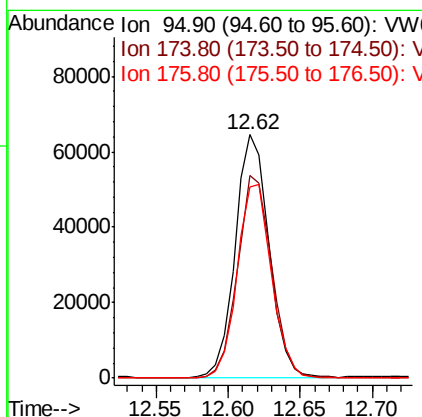
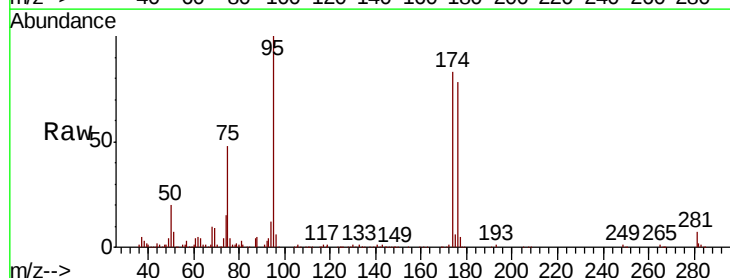
Instrument :
 MSVOA_W
 ClientSampled :

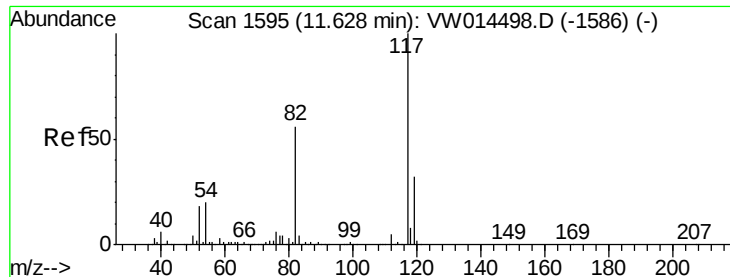
Tot Ion: 63 Resp: 1142
 Ion Ratio Lower Upper
 63 100
 106 42.6 23.0 34.6#



#62
 4-Bromofluorobenzene
 Concen: 29.230 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014727.D
 Acq: 23 Jan 2020 16:36

Tgt Ion: 95 Resp: 105491
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 168.6
 176 80.4 0.0 162.0

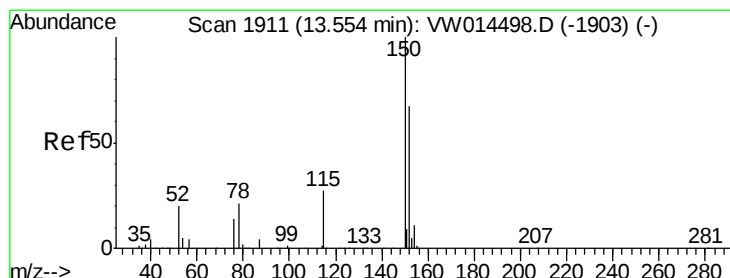
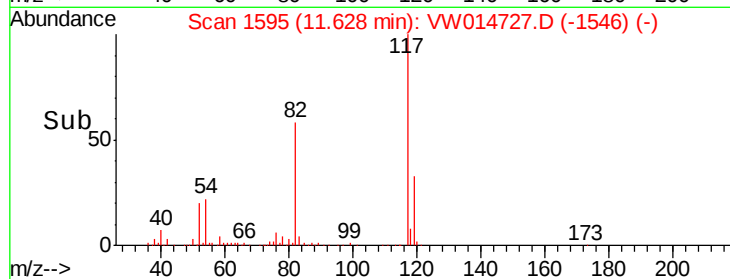
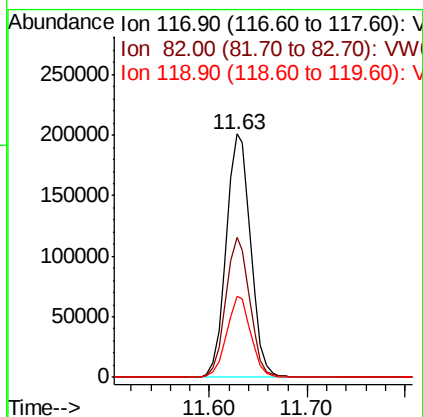
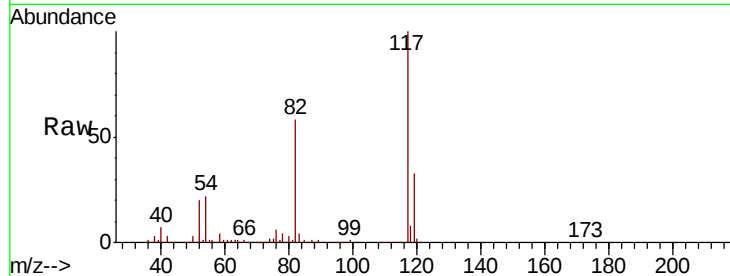




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014727.D
Acq: 23 Jan 2020 16:36

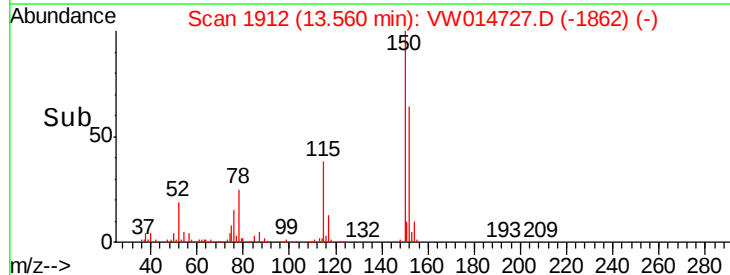
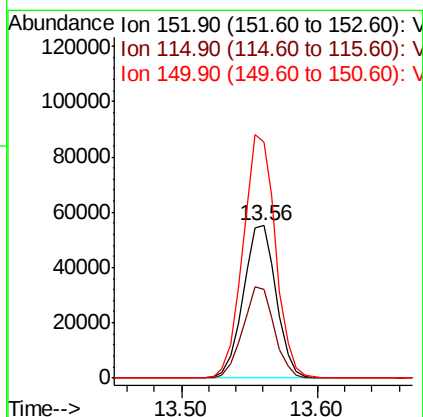
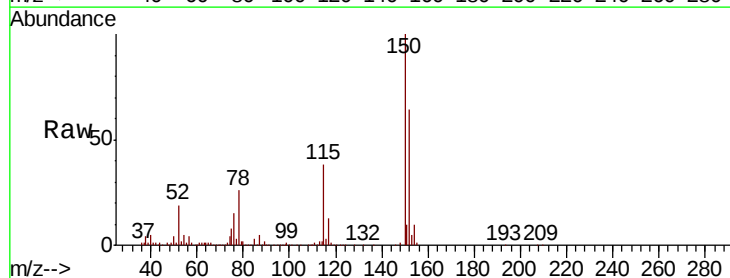
Instrument :
MSVOA_W
ClientSampleId :

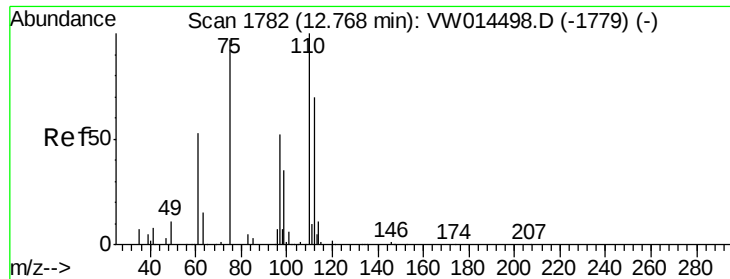
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.6	67.0
119	33.1	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014727.D
Acq: 23 Jan 2020 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	27.7	83.1
150	156.9	0.0	343.4

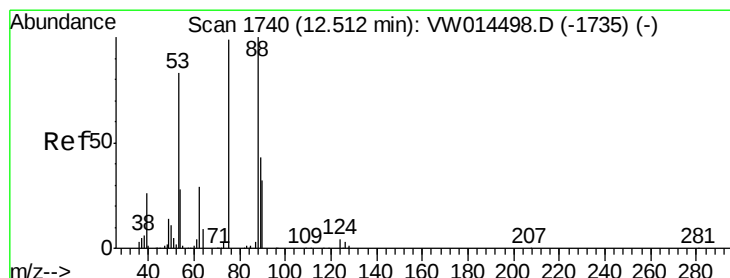
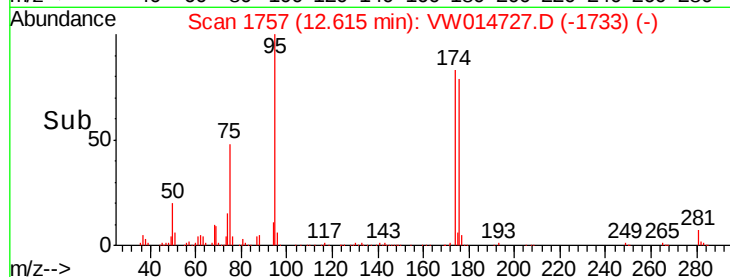
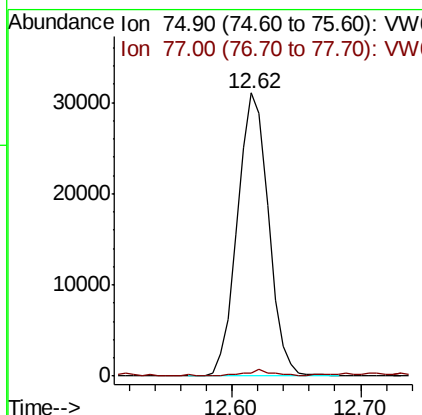
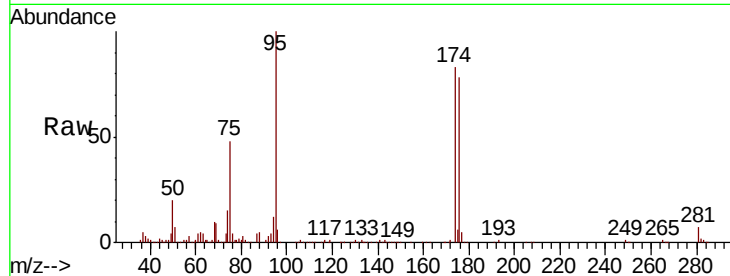




#76
 1,2,3-Trichloropropane
 Concen: 58.833 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014727.D
 Acq: 23 Jan 2020 16:36

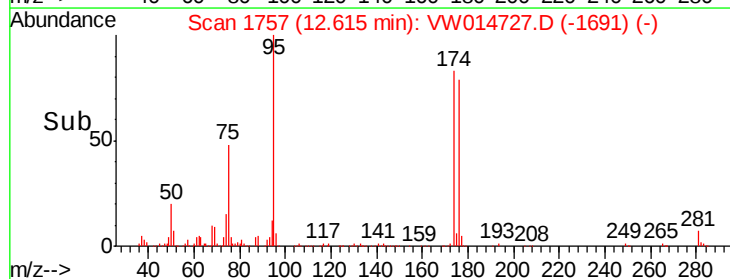
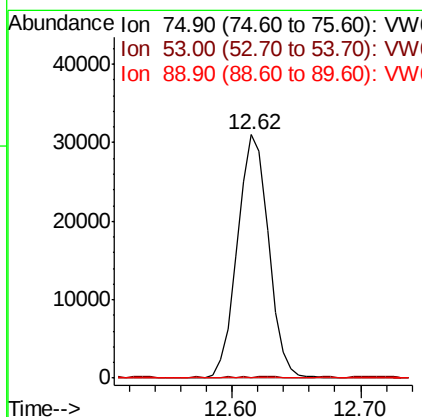
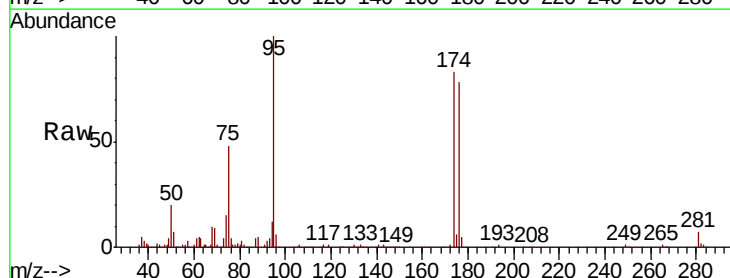
Instrument :
 MSVOA_W
 ClientSampleId :

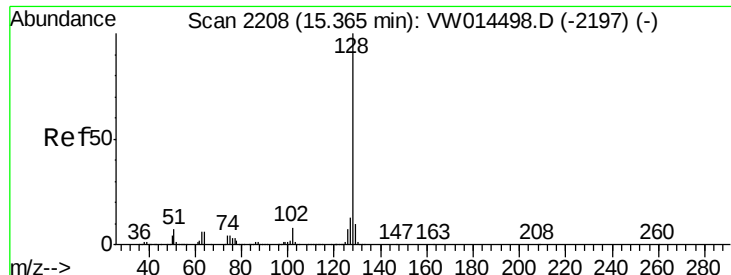
Tot Ion: 75 Resp: 52004
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.083 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW014727.D
 Acq: 23 Jan 2020 16:36

Tgt Ion: 75 Resp: 52004
 Ion Ratio Lower Upper
 75 100
 53 0.4 70.9 106.3#
 89 0.1 35.8 53.8#

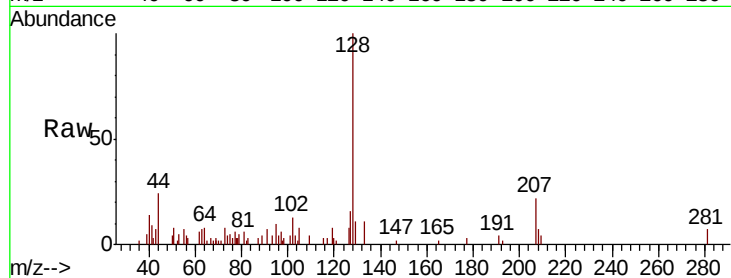




#95
Naphthalene
Concen: 1.997 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014727.D
Acq: 23 Jan 2020 16:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 6262
Ion Ratio Lower Upper
128 100
127 16.1 10.6 15.8#
129 15.1 8.7 13.1#



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

