

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014729.D
 Acq On : 23 Jan 2020 17:28
 Operator : SY/VA
 Sample : L1243-04
 Misc : 6.19G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:12:55 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	585492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	937937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	688349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	277355	54.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.36%	
35) Dibromofluoromethane	7.88	113	256480	47.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.70%	
50) Toluene-d8	10.32	98	913637	40.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.68%	
62) 4-Bromofluorobenzene	12.62	95	214970	28.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.66%	

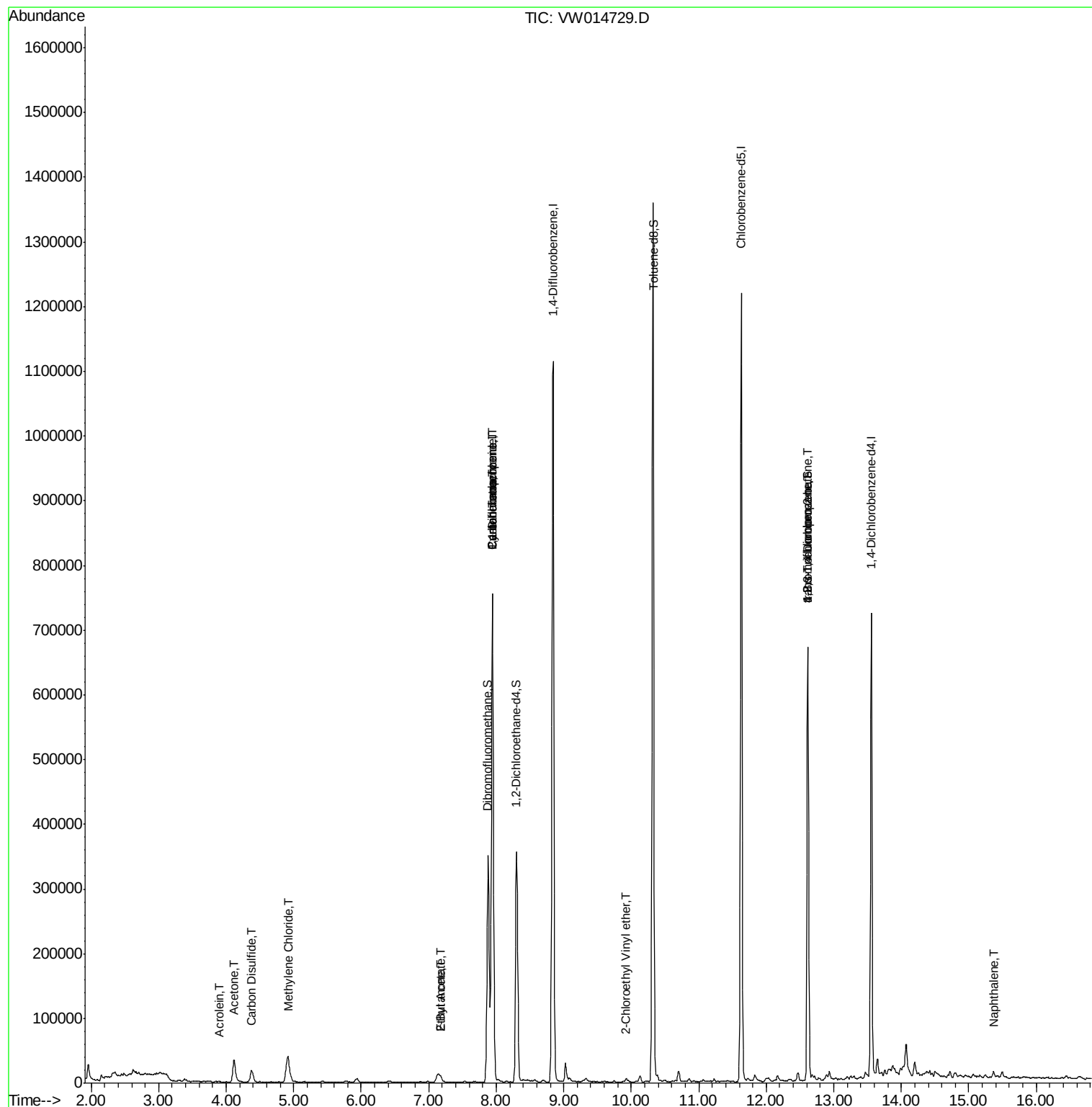
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1204	Below Cal	#	89
13) Acrolein	3.90	56	588	1.316	ug/l #	49
16) Acetone	4.12	43	62171	43.012	ug/l	96
17) Carbon Disulfide	4.37	76	38902	2.215	ug/l	99
20) Methylene Chloride	4.92	84	34028	1.432	ug/l	90
25) 2-Butanone	7.18	43	12592	6.788	ug/l #	81
31) Cyclohexane	7.95	56	13758	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	44692	4.943	ug/l #	49
37) Ethyl Acetate	7.18	43	12592	3.071	ug/l #	75
38) Carbon Tetrachloride	7.94	117	55031	7.015	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.93	63	2494	1.394	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	106100	57.399	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	106100	127.888	ug/l #	14
95) Naphthalene	15.36	128	8471	1.292	ug/l	98

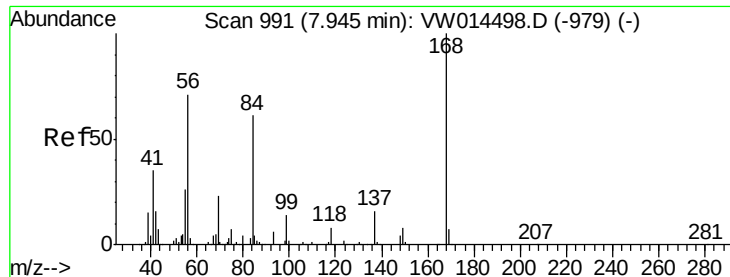
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
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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: VW014729.D

Acq: 23 Jan 2020 17:28

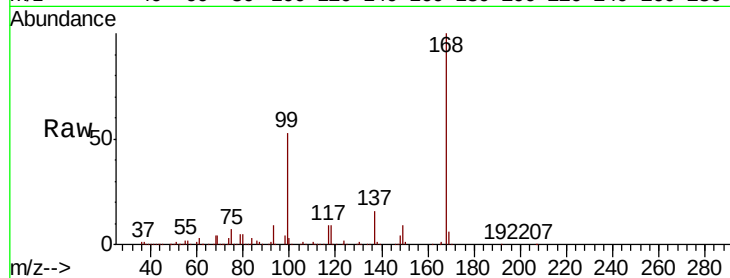
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 585492

Ion Ratio Lower Upper

168 100

99 52.8 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

250000

200000

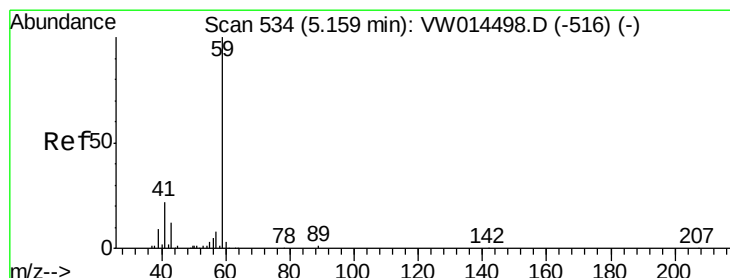
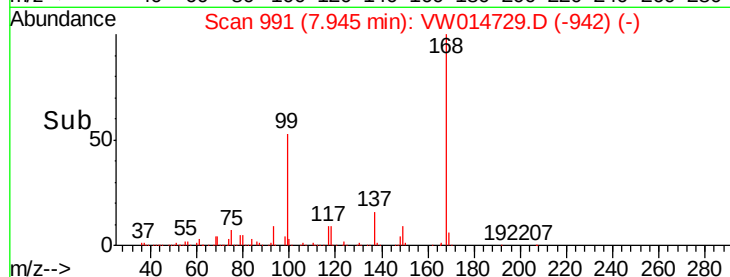
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014729.D

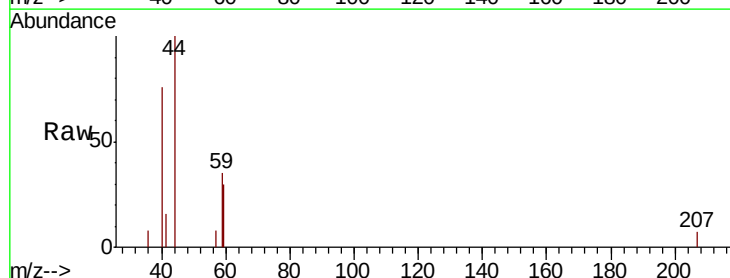
Acq: 23 Jan 2020 17:28

Tgt Ion: 59 Resp: 1204

Ion Ratio Lower Upper

59 100

57 5.8 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

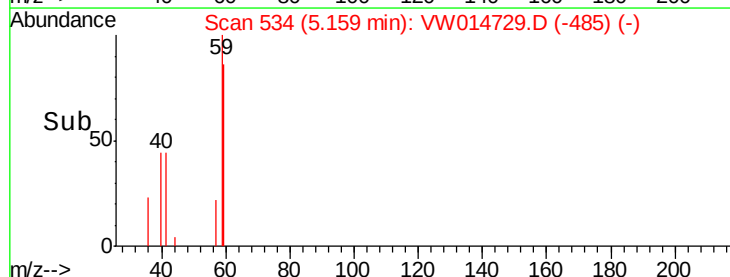
600

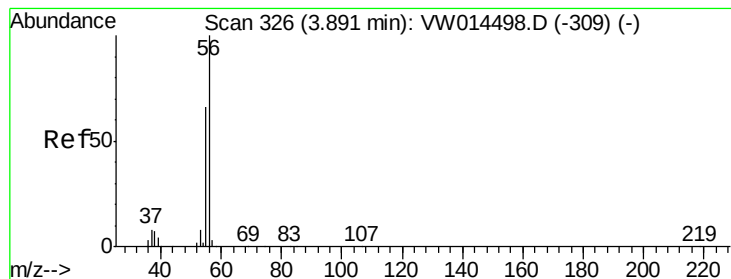
400

200

0

Time--> 5.05 5.10 5.15 5.20





#13

Acrolein

Concen: 1.316 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW014729.D

Acq: 23 Jan 2020 17:28

Instrument :

MSVOA_W

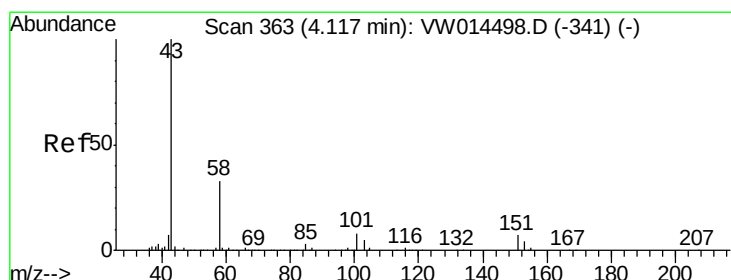
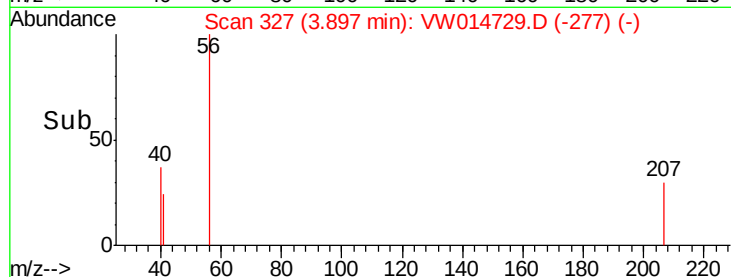
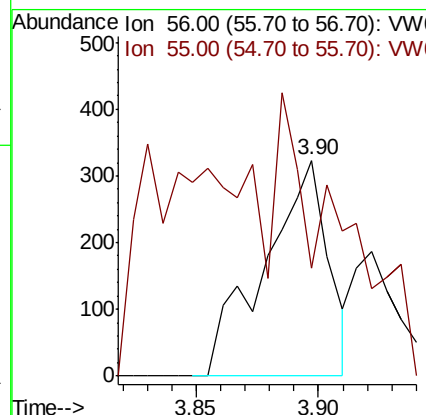
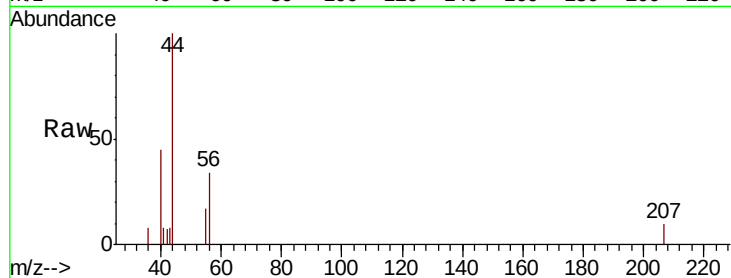
ClientSampled :

Tot Ion: 56 Resp: 588

Ion Ratio Lower Upper

56 100

55 28.4 56.7 85.1#



#16

Acetone

Concen: 43.012 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014729.D

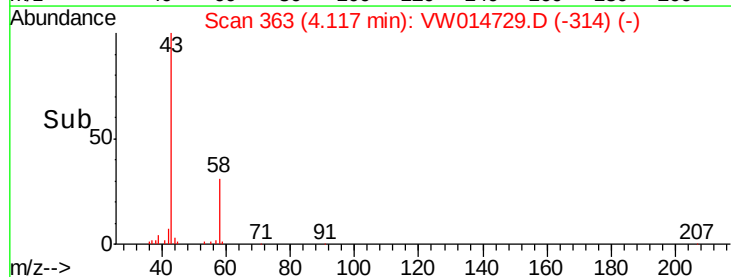
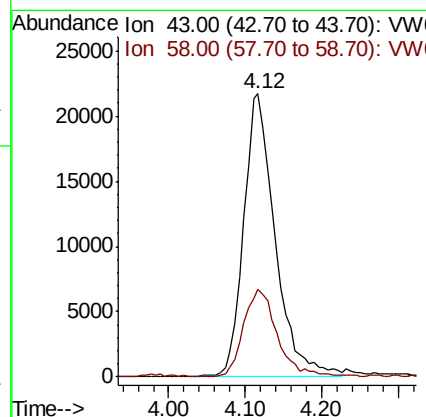
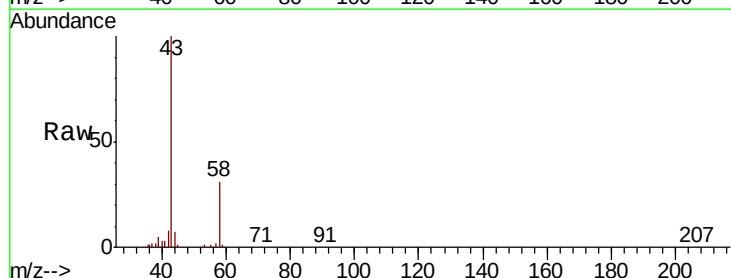
Acq: 23 Jan 2020 17:28

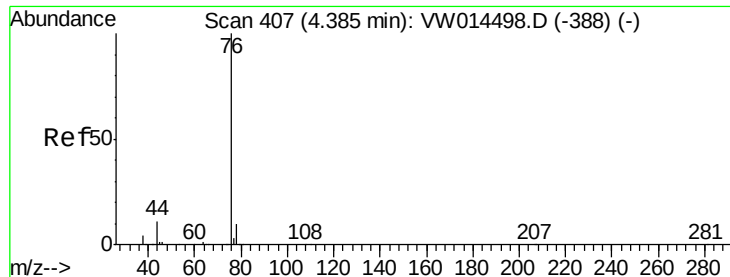
Tgt Ion: 43 Resp: 62171

Ion Ratio Lower Upper

43 100

58 31.0 26.6 39.8





#17

Carbon Disulfide

Concen: 2.215 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW014729.D

Acq: 23 Jan 2020 17:28

Instrument :

MSVOA_W

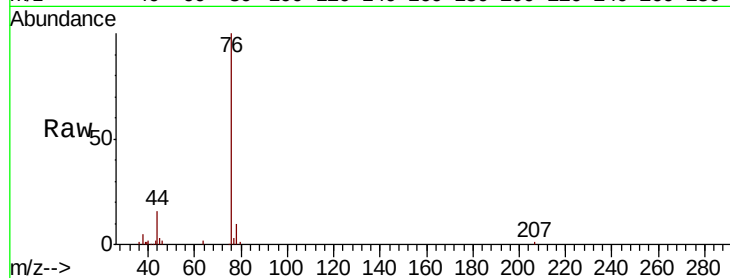
ClientSampleId :

Tot Ion: 76 Resp: 38902

Ion Ratio Lower Upper

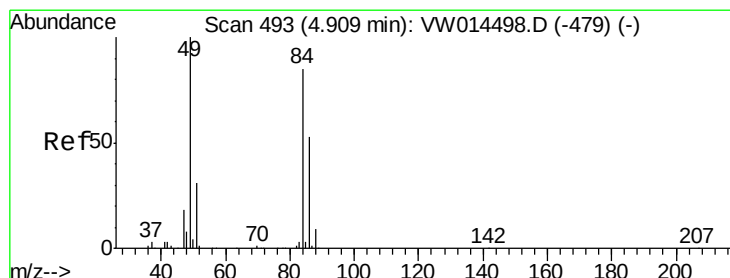
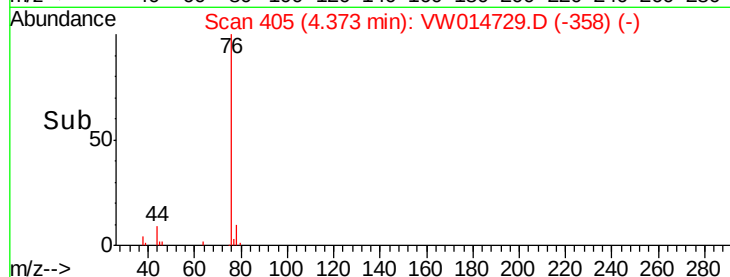
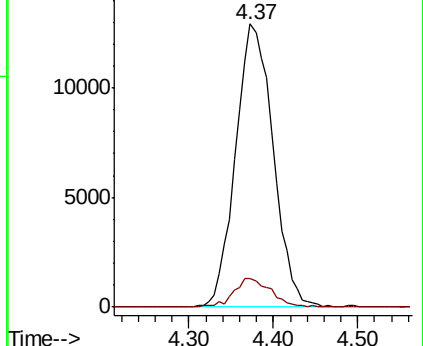
76 100

78 10.0 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 1.432 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW014729.D

Acq: 23 Jan 2020 17:28

Tgt Ion: 84 Resp: 34028

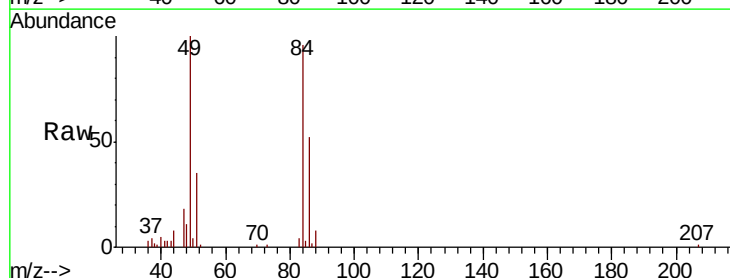
Ion Ratio Lower Upper

84 100

49 104.2 94.4 141.6

51 36.8 29.5 44.3

86 53.8 50.2 75.2

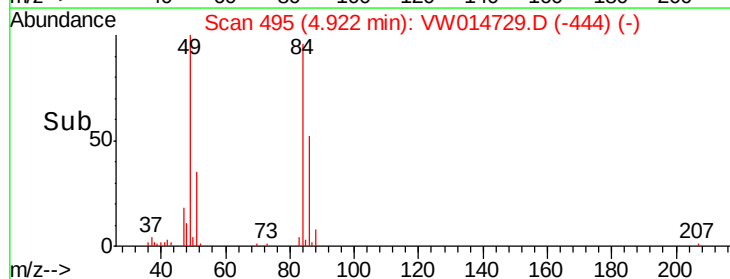
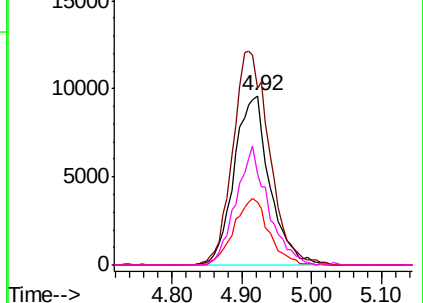


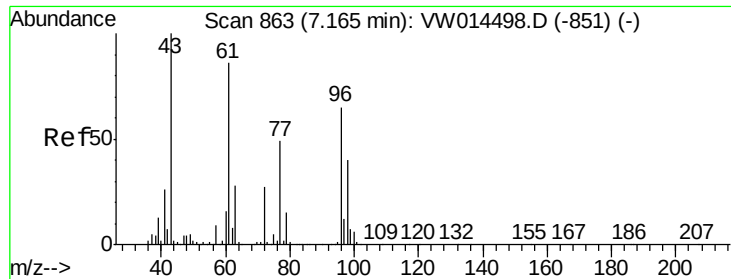
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

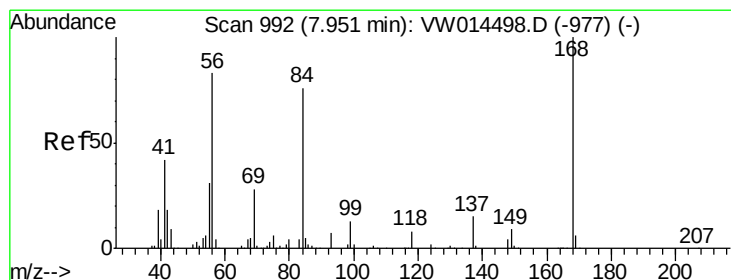
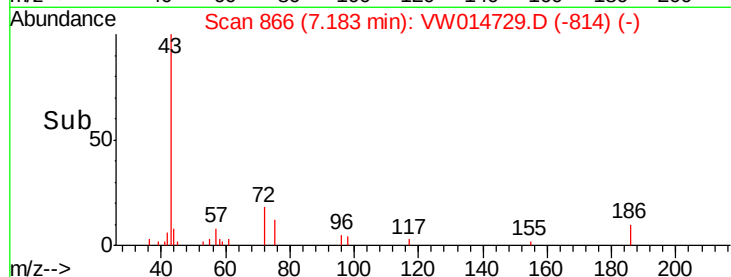
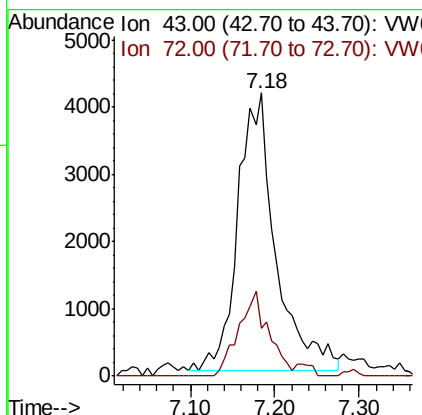
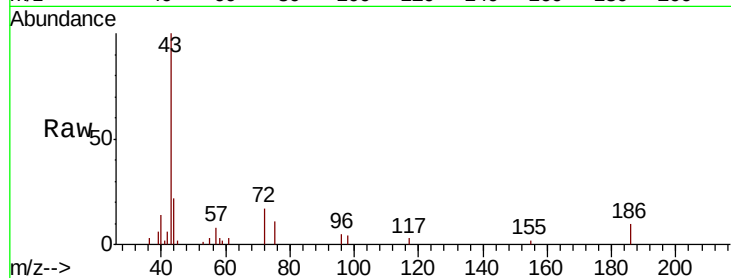




#25
2-Butanone
Concen: 6.788 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW014729.D
Acq: 23 Jan 2020 17:28

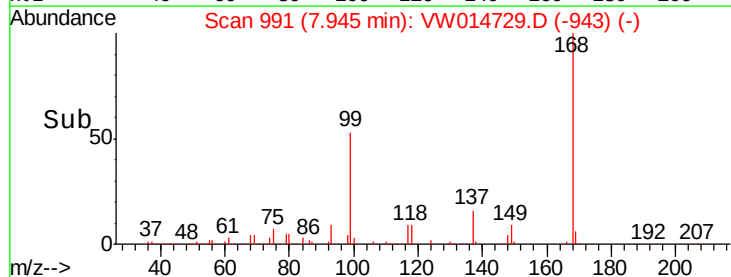
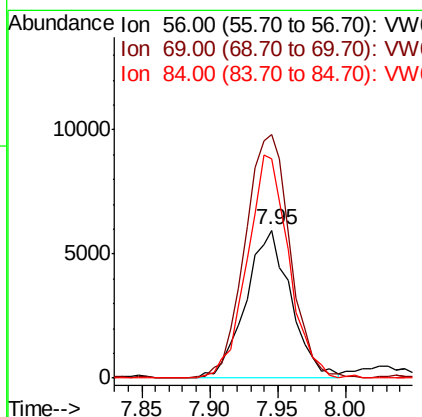
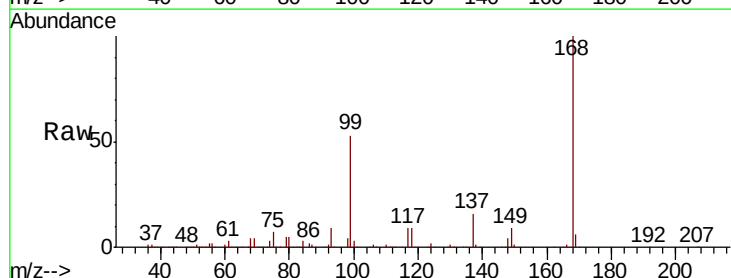
Instrument :
MSVOA_W
ClientSampleId :

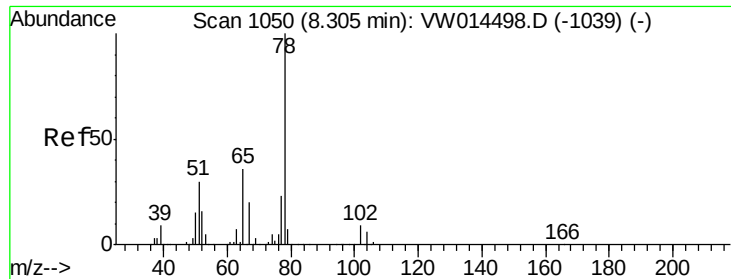
Tot Ion: 43 Resp: 12592
Ion Ratio Lower Upper
43 100
72 17.3 21.9 32.9#



#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014729.D
Acq: 23 Jan 2020 17:28

Tgt Ion: 56 Resp: 13758
Ion Ratio Lower Upper
56 100
69 164.7 26.8 40.2#
84 148.3 71.8 107.6#

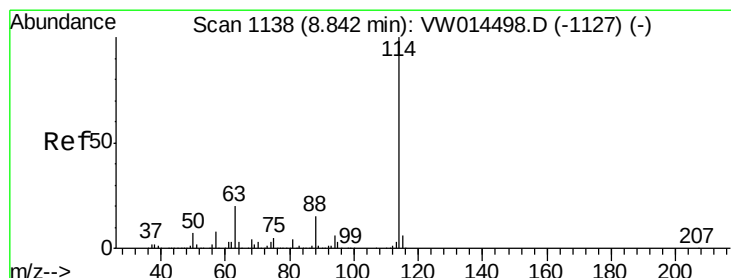
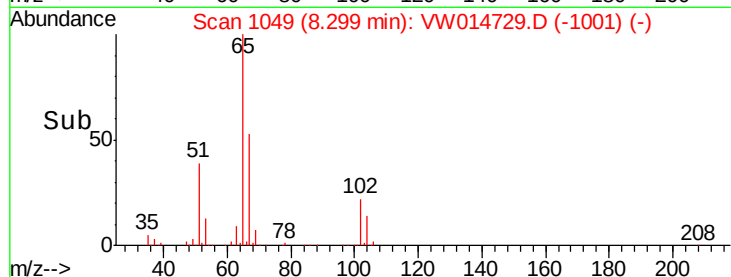
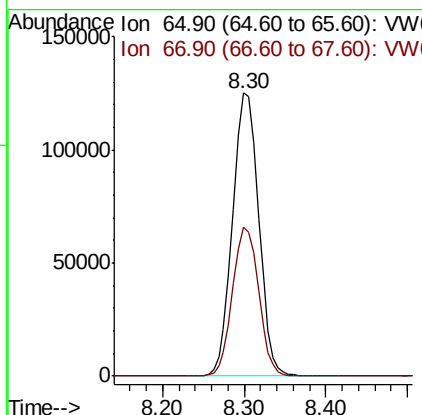
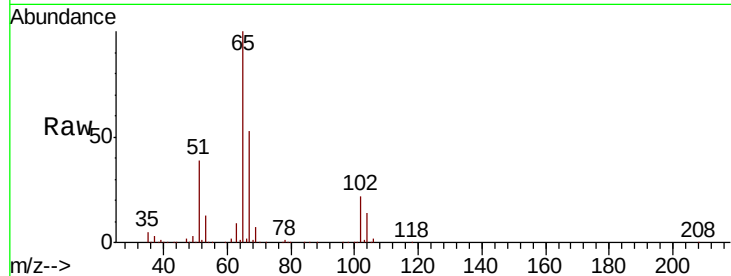




#33
 1,2-Dichloroethane-d4
 Concen: 54.181 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014729.D
 Acq: 23 Jan 2020 17:28

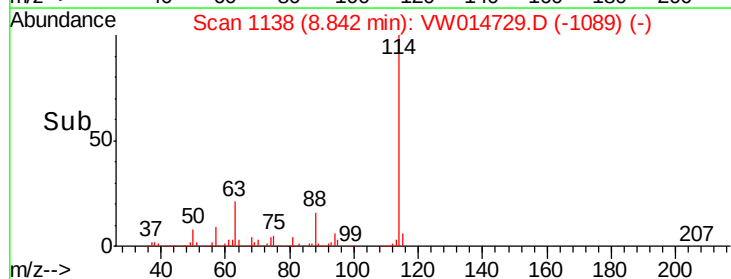
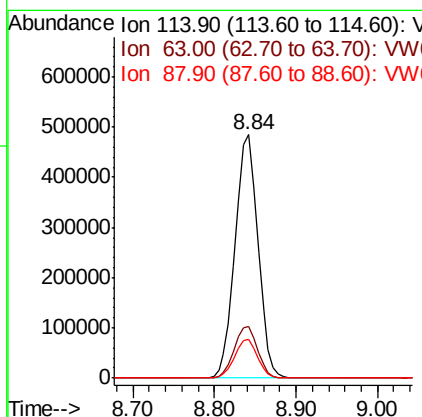
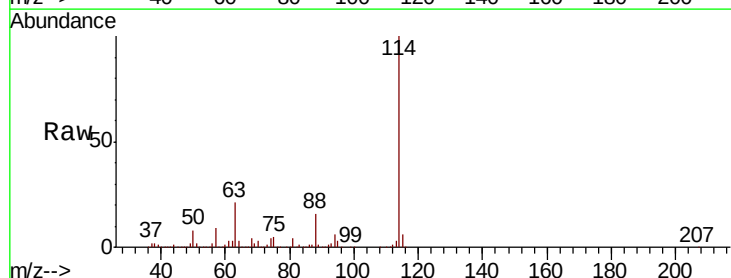
Instrument :
 MSVOA_W
 ClientSampled :

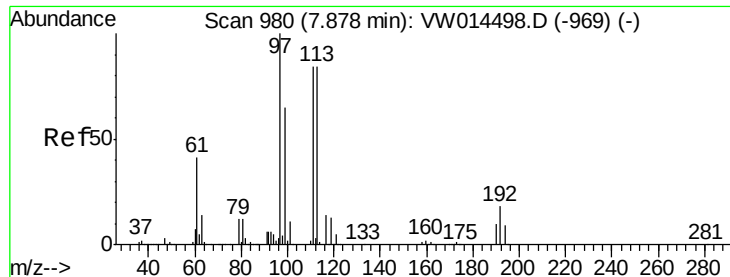
Tot Ion: 65 Resp: 277355
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014729.D
 Acq: 23 Jan 2020 17:28

Tgt Ion: 114 Resp: 937937
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.4
 88 15.7 0.0 30.6

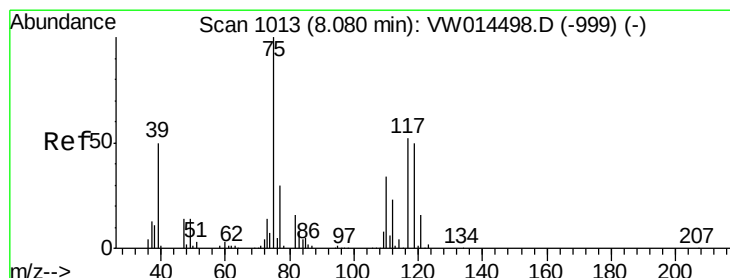
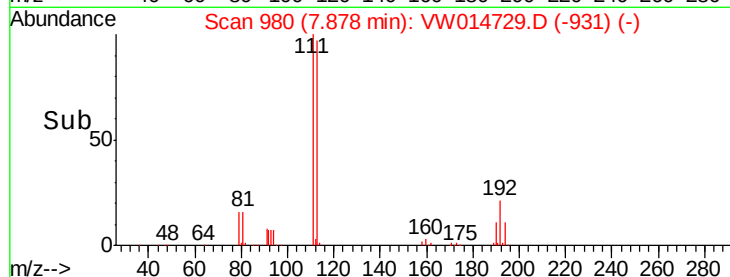
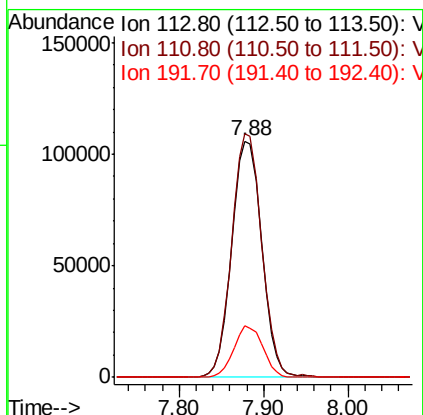
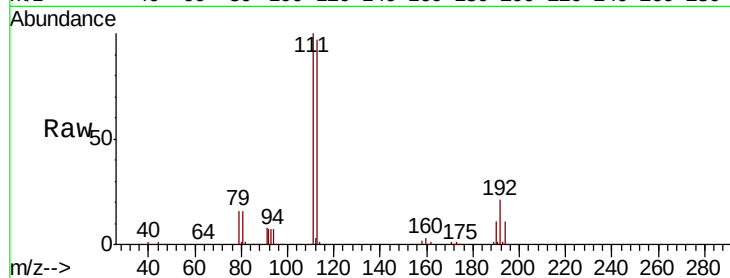




#35
 Dibromofluoromethane
 Concen: 47.847 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014729.D
 Acq: 23 Jan 2020 17:28

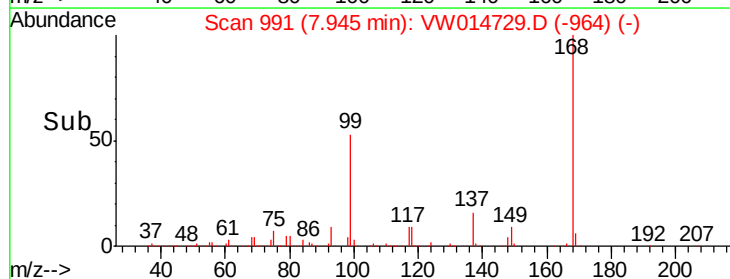
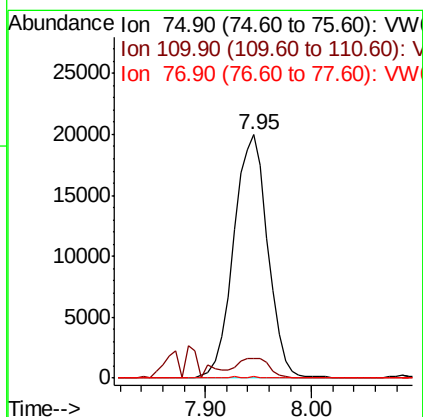
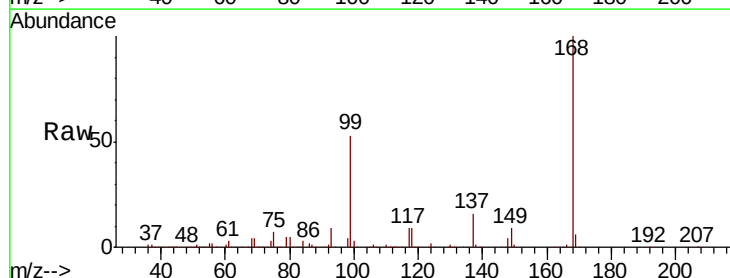
Instrument :
 MSVOA_W
 ClientSampled :

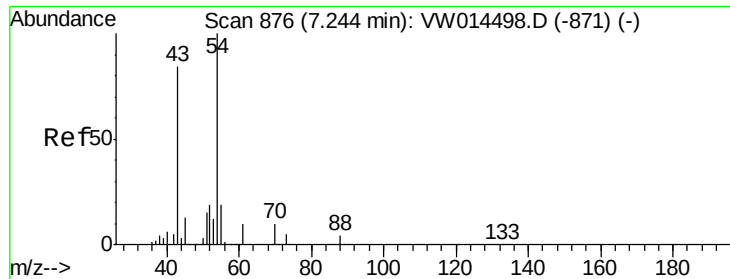
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	21.1	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014729.D
 Acq: 23 Jan 2020 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.8	53.5#
77	0.1	24.7	37.1#

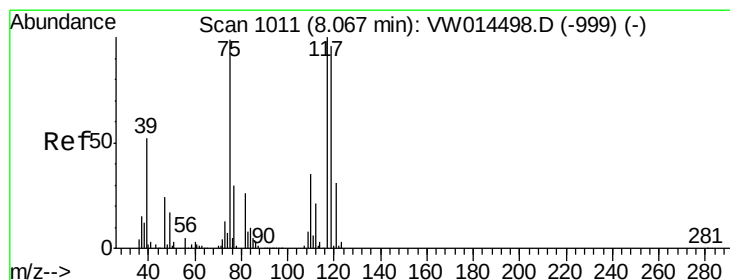
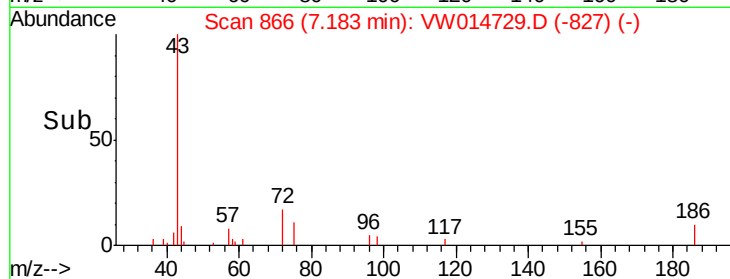
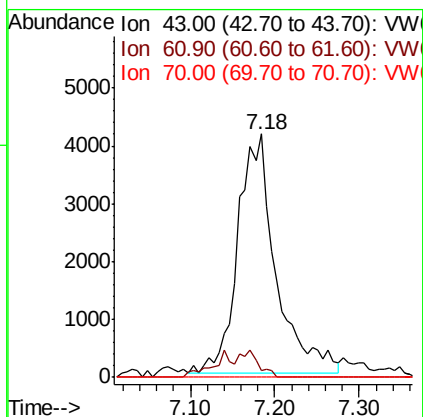
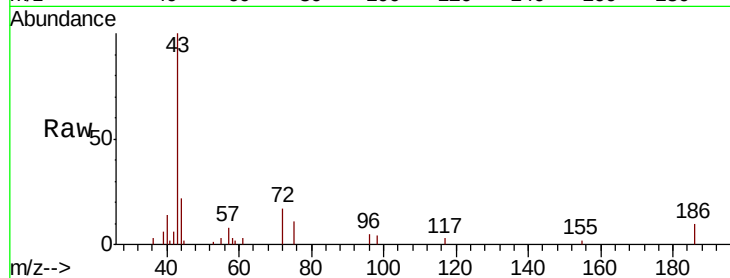




#37
Ethyl Acetate
Concen: 3.071 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.06 min
Lab File: VW014729.D
Acq: 23 Jan 2020 17:28

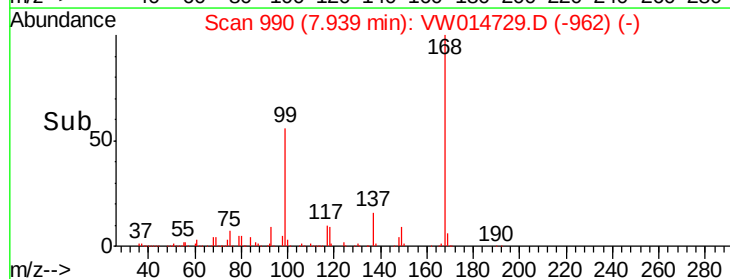
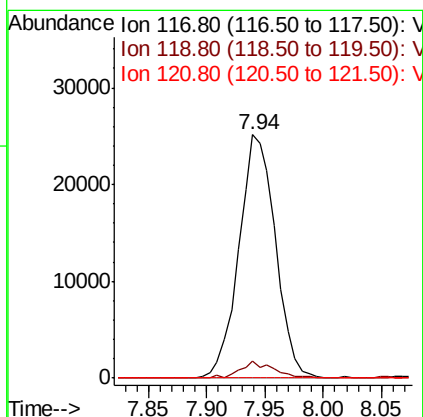
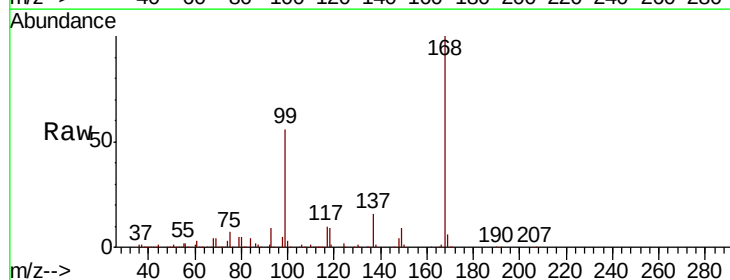
Instrument :
MSVOA_W
ClientSampled :

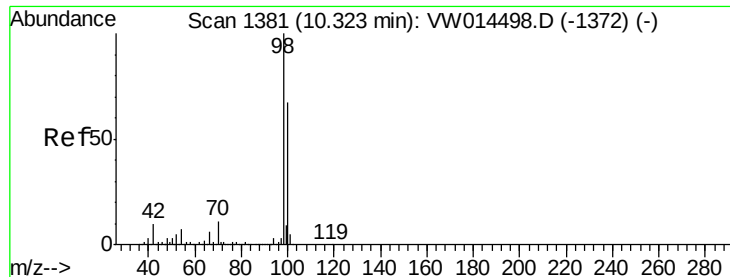
Tot Ion: 43 Resp: 12592
Ion Ratio Lower Upper
43 100
61 5.6 11.7 17.5#
70 0.0 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 7.015 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW014729.D
Acq: 23 Jan 2020 17:28

Tgt Ion: 117 Resp: 55031
Ion Ratio Lower Upper
117 100
119 7.2 77.0 115.6#
121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 40.841 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014729.D

Acq: 23 Jan 2020 17:28

Instrument :

MSVOA_W

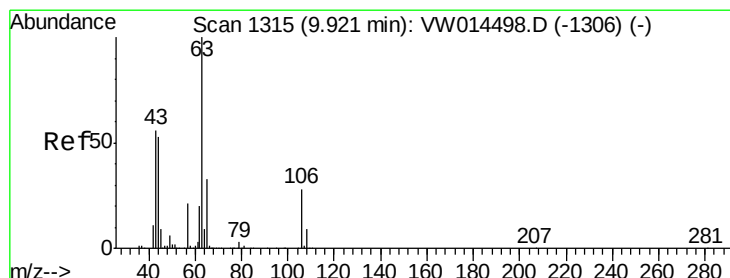
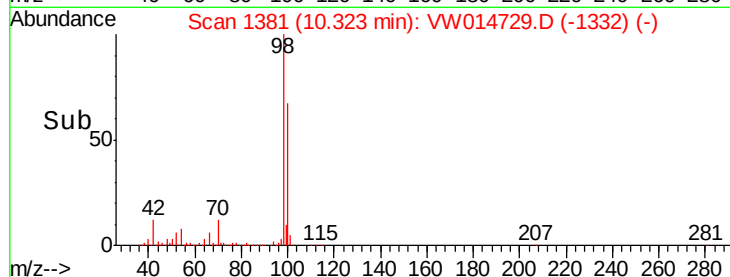
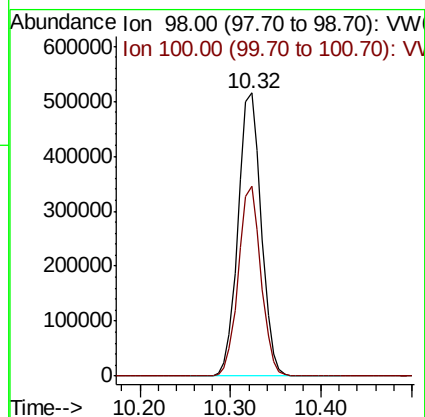
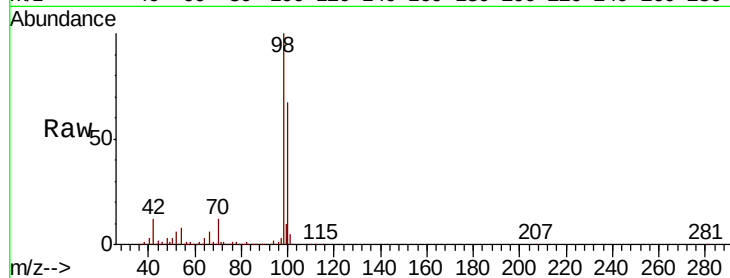
ClientSampleId :

Tot Ion: 98 Resp: 913637

Ion Ratio Lower Upper

98 100

100 65.4 53.8 80.6



#58

2-Chloroethyl Vinyl ether

Concen: 1.394 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW014729.D

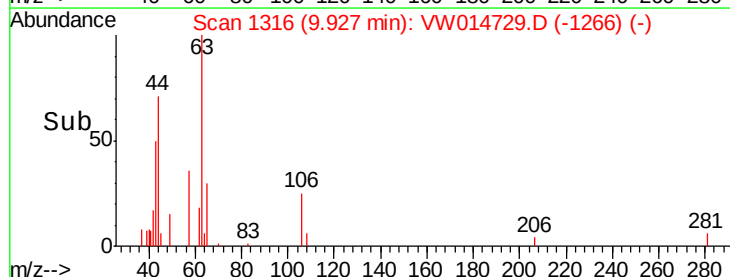
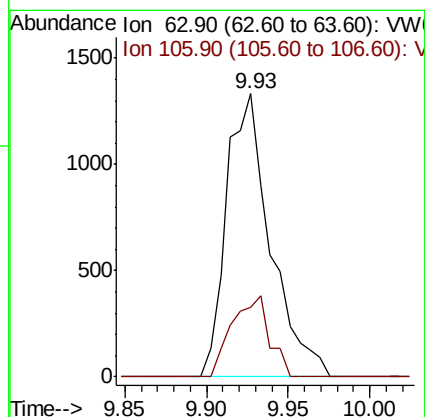
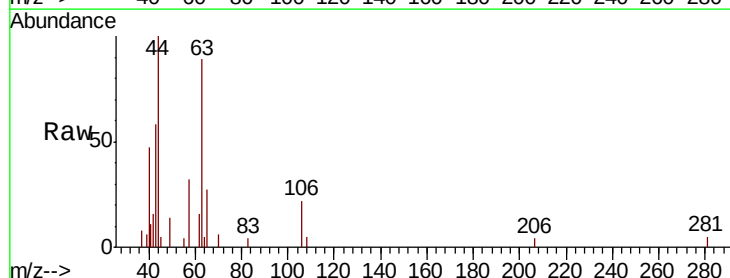
Acq: 23 Jan 2020 17:28

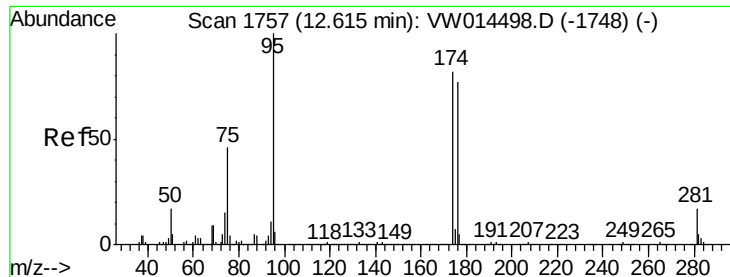
Tgt Ion: 63 Resp: 2494

Ion Ratio Lower Upper

63 100

106 24.4 23.0 34.6





#62

4-Bromofluorobenzene

Concen: 28.331 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014729.D

Acq: 23 Jan 2020 17:28

Instrument :

MSVOA_W

ClientSampleId :

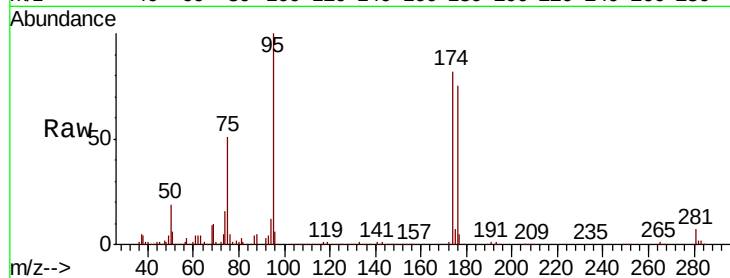
Tot Ion: 95 Resp: 214970

Ion Ratio Lower Upper

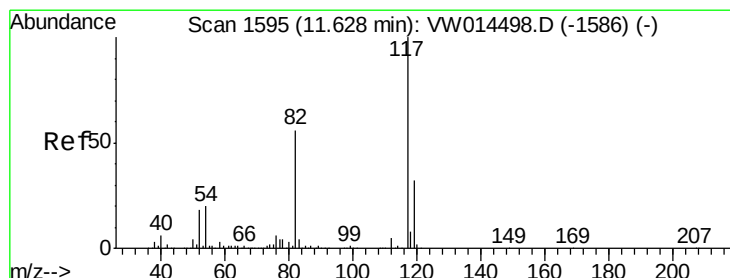
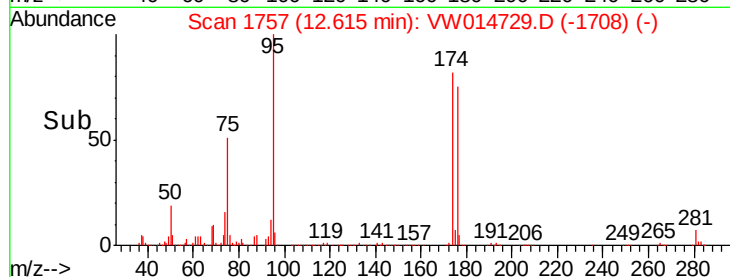
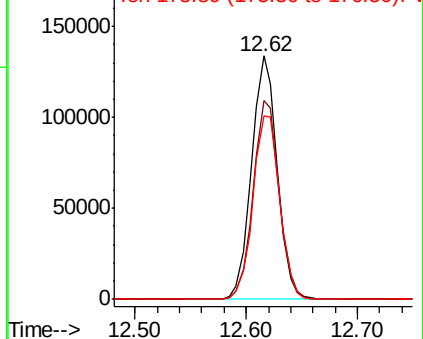
95 100

174 82.3 0.0 168.6

176 78.7 0.0 162.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014729.D

Acq: 23 Jan 2020 17:28

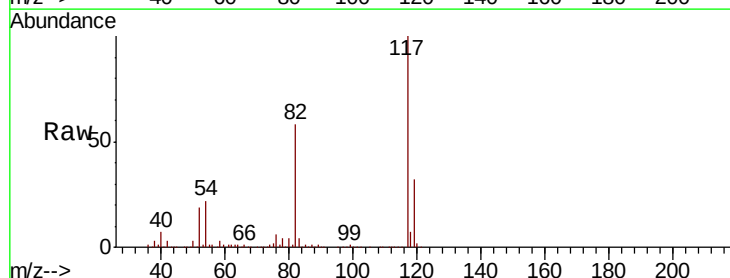
Tgt Ion: 117 Resp: 688349

Ion Ratio Lower Upper

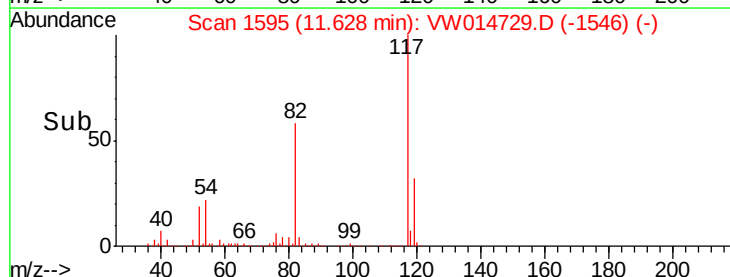
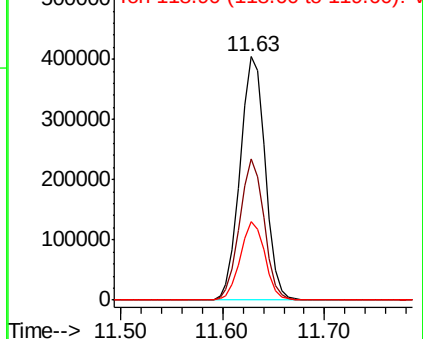
117 100

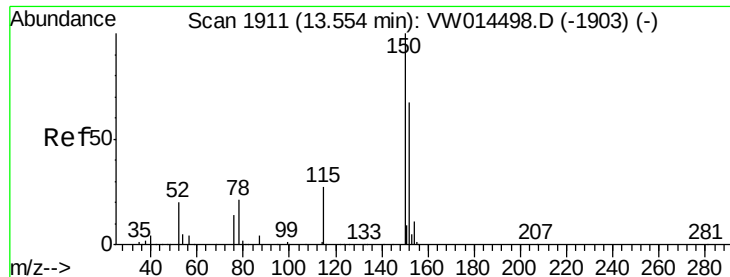
82 57.8 44.6 67.0

119 32.4 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW

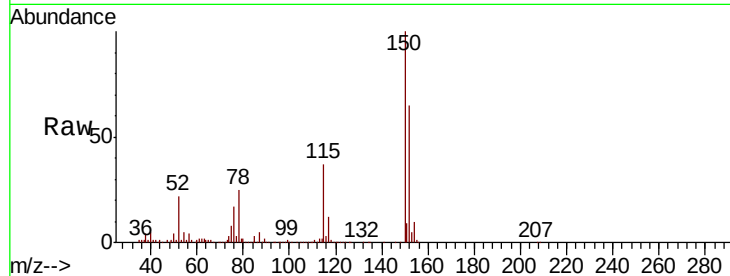




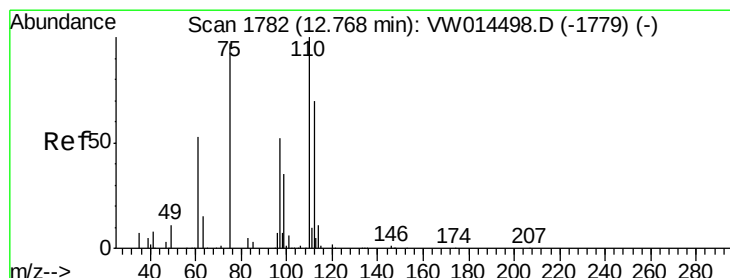
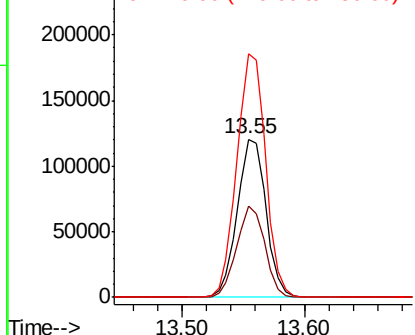
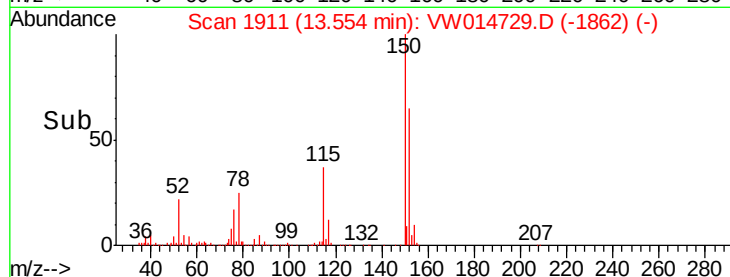
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. 0.00 min
 Lab File: VW014729.D
 Acq: 23 Jan 2020 17:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.7	83.1
150	154.5	0.0	343.4

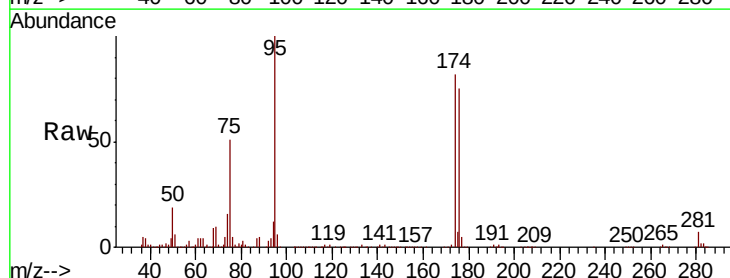


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

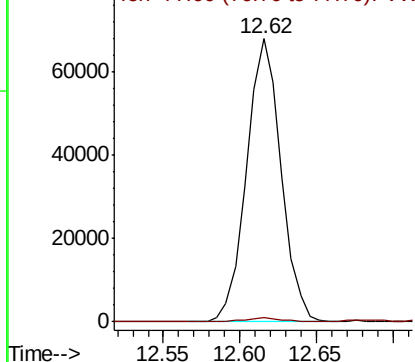
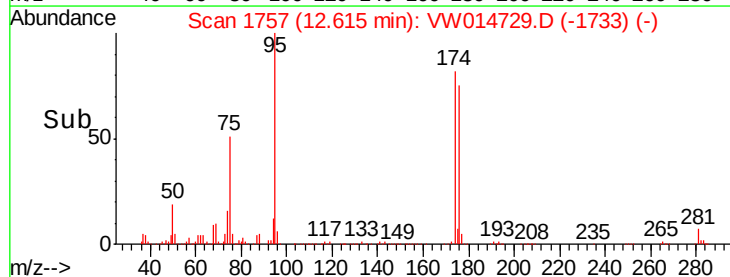


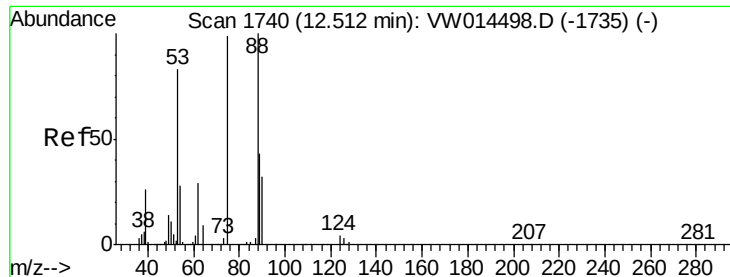
#76
 1,2,3-Trichloropropane
 Concen: 57.399 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014729.D
 Acq: 23 Jan 2020 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW

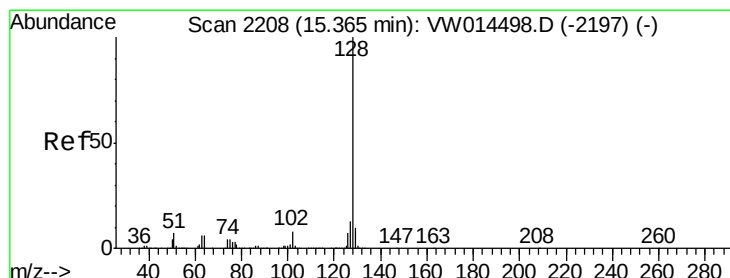
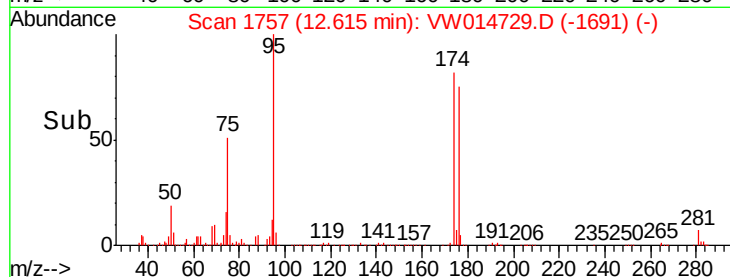
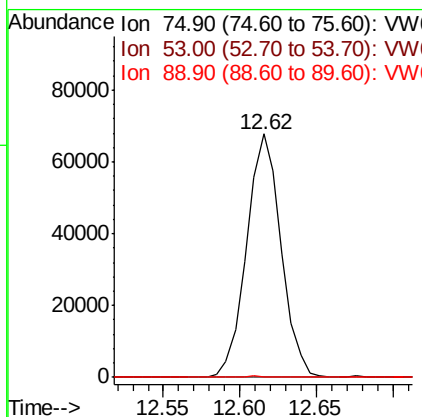
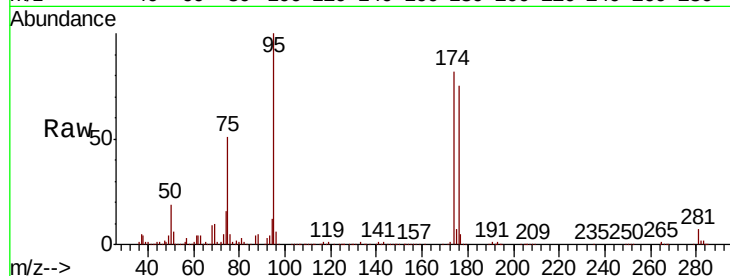




#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.888 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW014729.D
 Acq: 23 Jan 2020 17:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.4	70.9	106.3#
89	0.2	35.8	53.8#



#95
 Naphthalene
 Concen: 1.292 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014729.D
 Acq: 23 Jan 2020 17:28

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	15.8
129	11.1	8.7	13.1

