

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014725.D
 Acq On : 23 Jan 2020 14:55
 Operator : SY/VA
 Sample : L1234-01RE
 Misc : 6.72G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:12:07 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	520551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	801748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	558649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	143285	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	258047	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
35) Dibromofluoromethane	7.88	113	246834	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	
50) Toluene-d8	10.32	98	854737	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	
62) 4-Bromofluorobenzene	12.62	95	173781	26.79	ug/l	0.00
Spiked Amount			Recovery	=	53.58%	

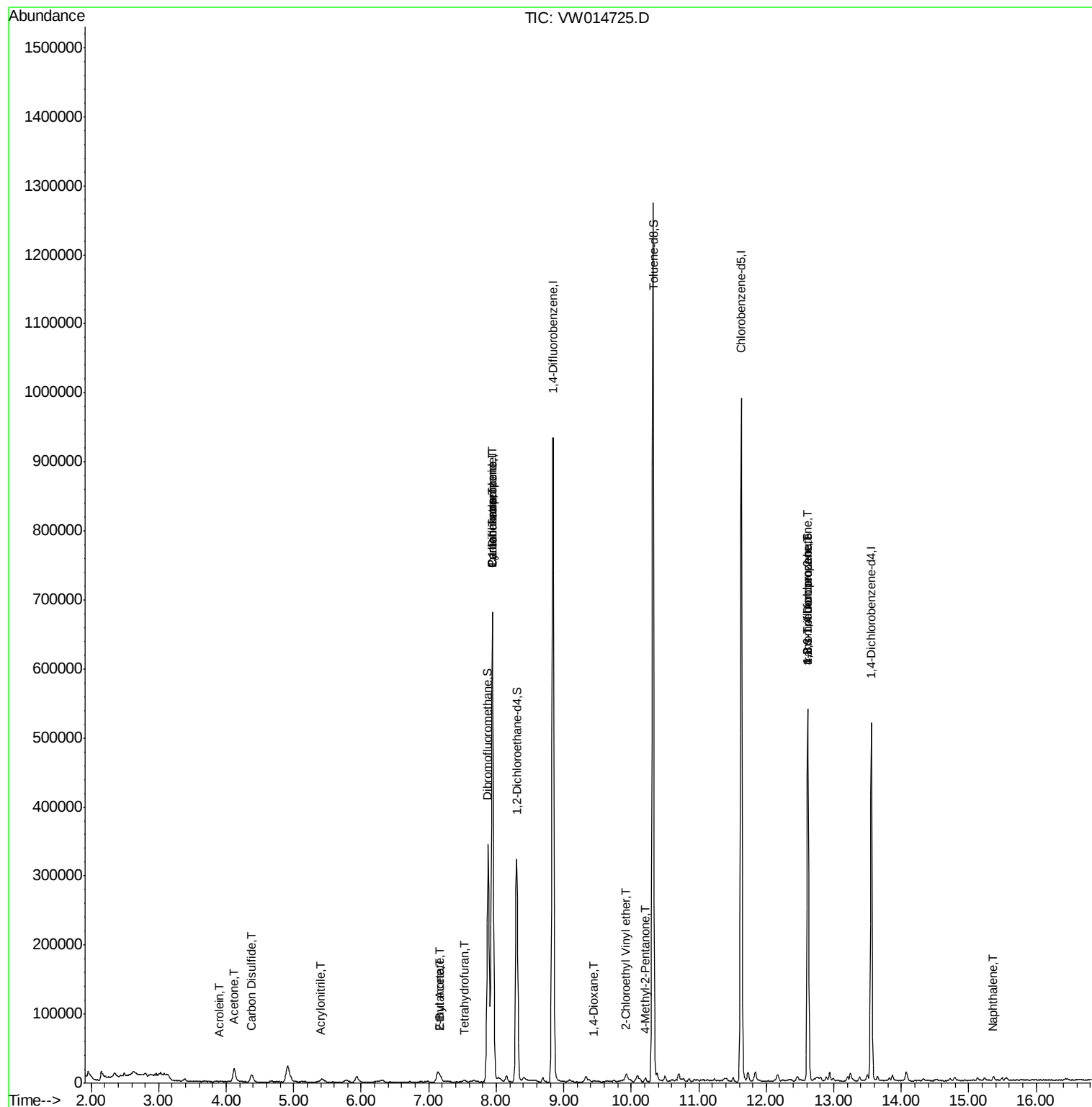
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	618	Below Cal	#	73
13) Acrolein	3.90	56	699	1.760	ug/l #	44
15) Acrylonitrile	5.39	53	1382	1.148	ug/l #	40
16) Acetone	4.12	43	36548	28.439	ug/l	93
17) Carbon Disulfide	4.37	76	23598	1.511	ug/l #	94
20) Methylene Chloride	4.91	84	20110	Below Cal		91
25) 2-Butanone	7.17	43	11121	6.743	ug/l #	82
29) Tetrahydrofuran	7.53	42	2263	2.215	ug/l #	87
31) Cyclohexane	7.94	56	13358	1.375	ug/l #	22
36) 1,1-Dichloropropene	7.94	75	39739	5.141	ug/l #	49
37) Ethyl Acetate	7.17	43	11121	3.172	ug/l #	67
38) Carbon Tetrachloride	7.95	117	47817	7.131	ug/l #	16
49) 1,4-Dioxane	9.45	88	119	2.402	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	4047	1.224	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.92	63	5088	3.327	ug/l #	89
76) 1,2,3-Trichloropropane	12.62	75	87143	64.325	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87143	143.318	ug/l #	14
95) Naphthalene	15.36	128	4939	1.028	ug/l #	92

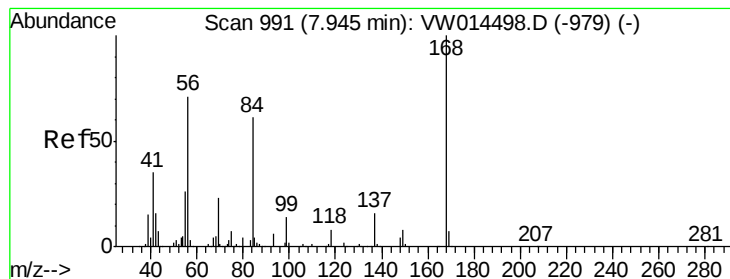
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014725.D

Acq: 23 Jan 2020 14:55

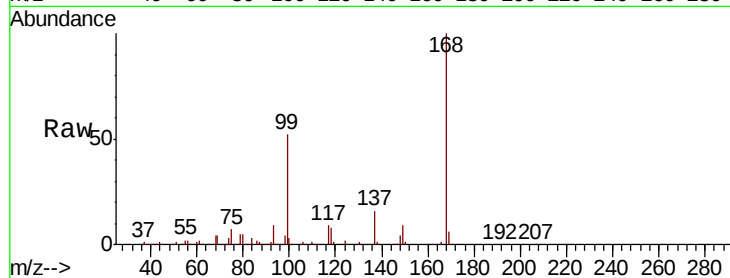
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 520551

Ion Ratio Lower Upper

168 100

99 51.8 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

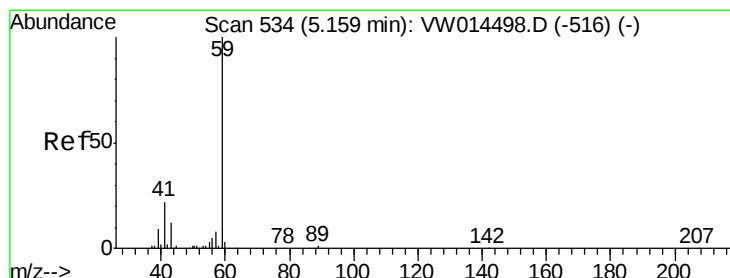
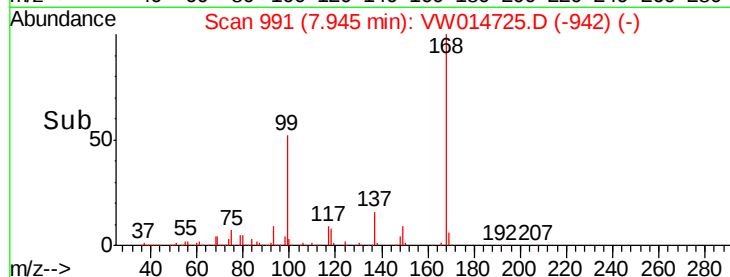
50000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW014725.D

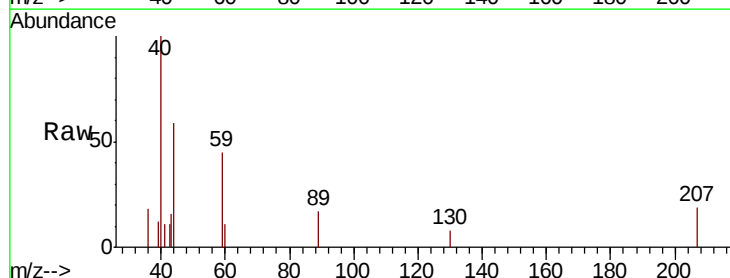
Acq: 23 Jan 2020 14:55

Tgt Ion: 59 Resp: 618

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

5.14

300

200

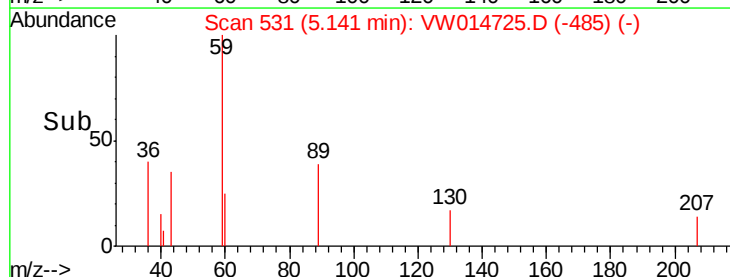
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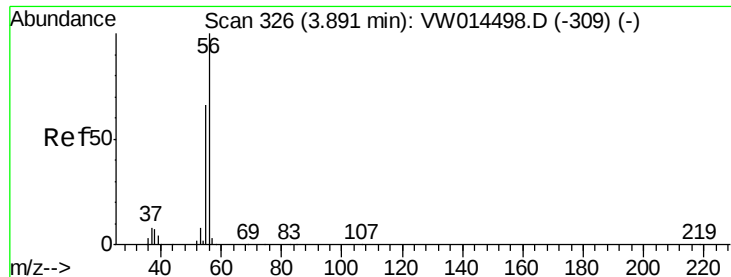
0

5.10

5.15

Time-->





#13

Acrolein

Concen: 1.760 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW014725.D

Acq: 23 Jan 2020 14:55

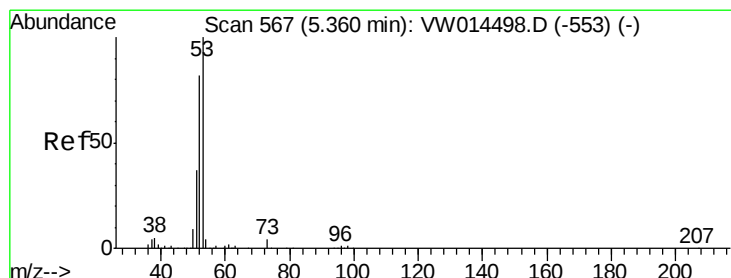
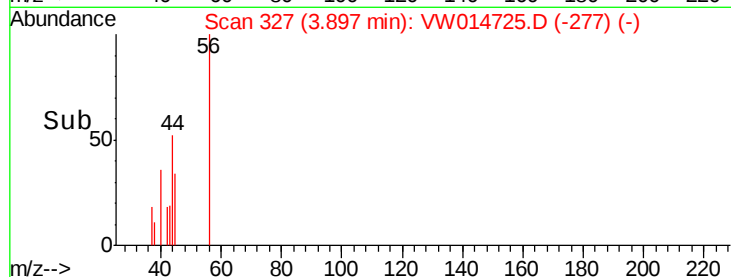
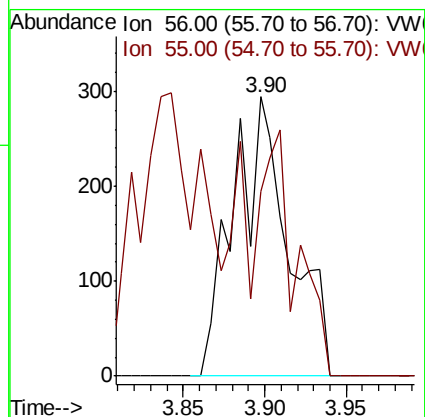
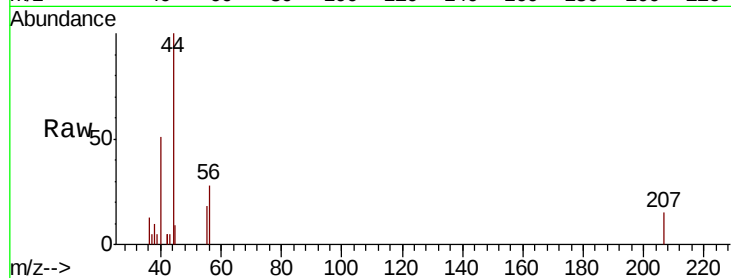
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 699

Ion Ratio Lower Upper

56 100

55 24.6 56.7 85.1#



#15

Acrylonitrile

Concen: 1.148 ug/l

RT: 5.39 min Scan# 572

Delta R.T. 0.03 min

Lab File: VW014725.D

Acq: 23 Jan 2020 14:55

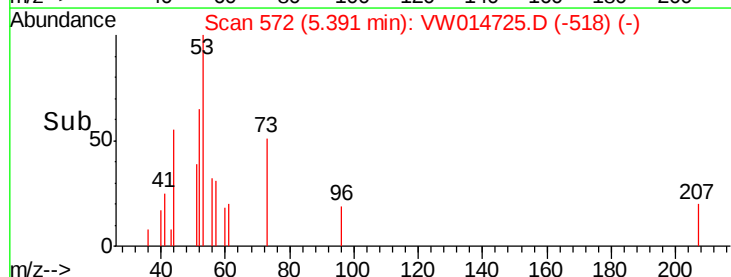
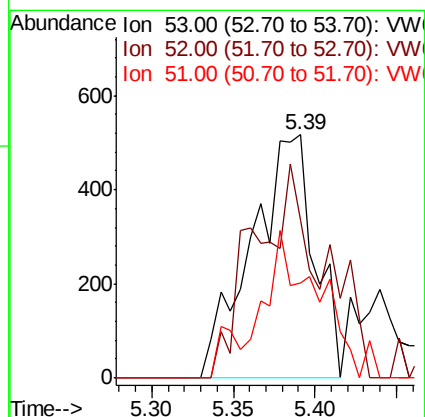
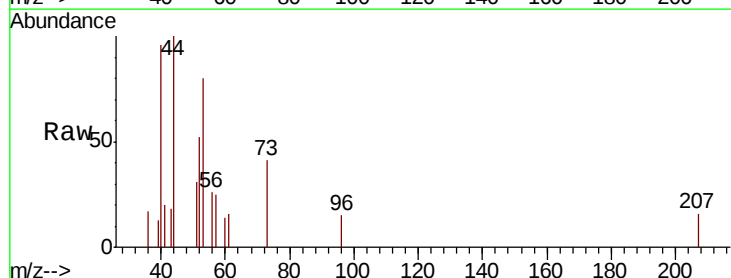
Tgt Ion: 53 Resp: 1382

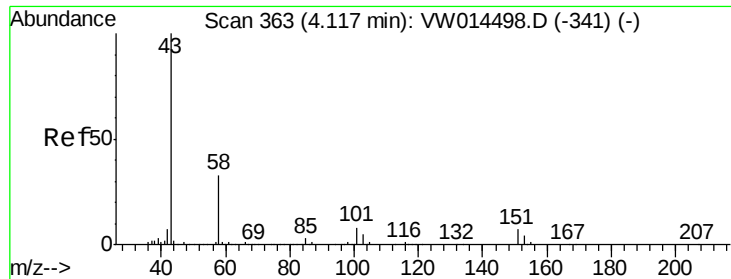
Ion Ratio Lower Upper

53 100

52 15.3 66.5 99.7#

51 49.2 28.4 42.6#





#16

Acetone

Concen: 28.439 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014725.D

Acq: 23 Jan 2020 14:55

Instrument :

MSVOA_W

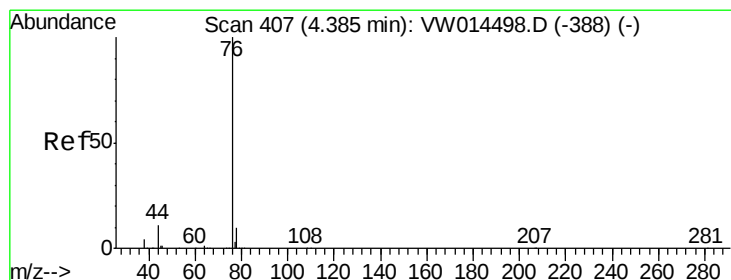
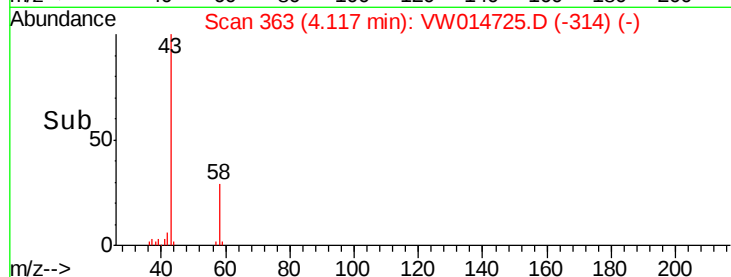
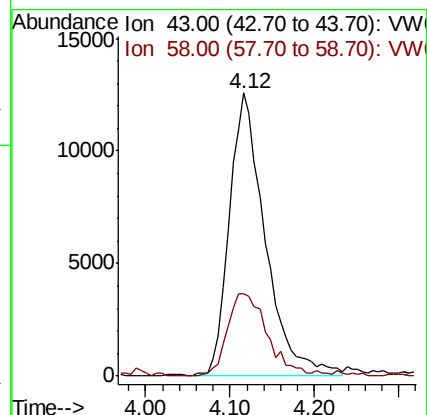
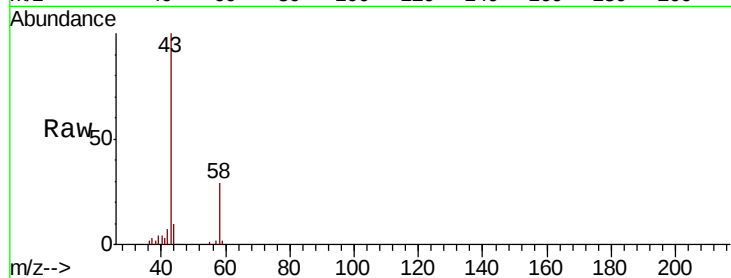
ClientSampled :

Tot Ion: 43 Resp: 36548

Ion Ratio Lower Upper

43 100

58 29.2 26.6 39.8



#17

Carbon Disulfide

Concen: 1.511 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW014725.D

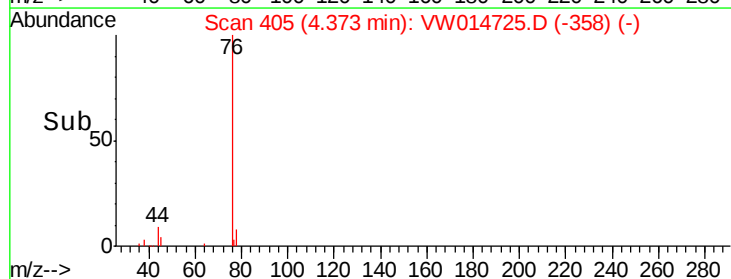
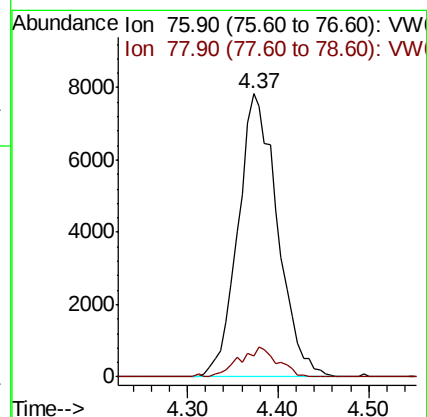
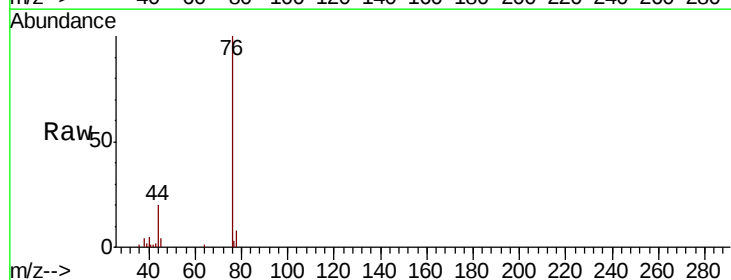
Acq: 23 Jan 2020 14:55

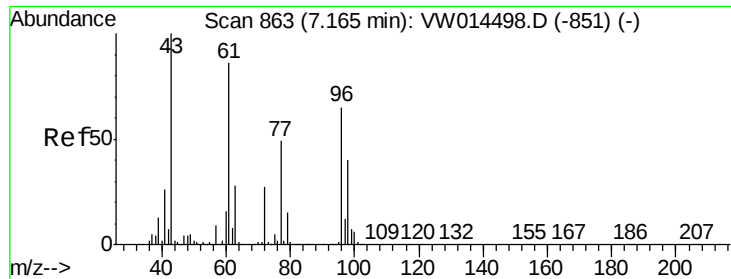
Tgt Ion: 76 Resp: 23598

Ion Ratio Lower Upper

76 100

78 7.5 7.8 11.6#

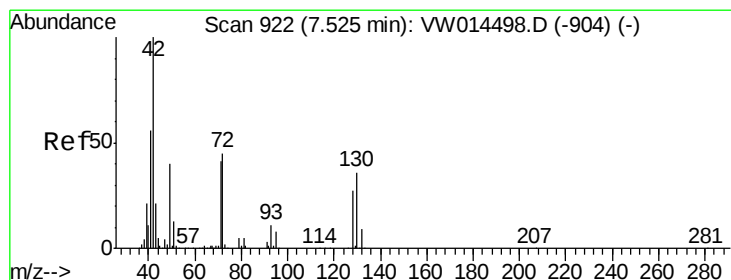
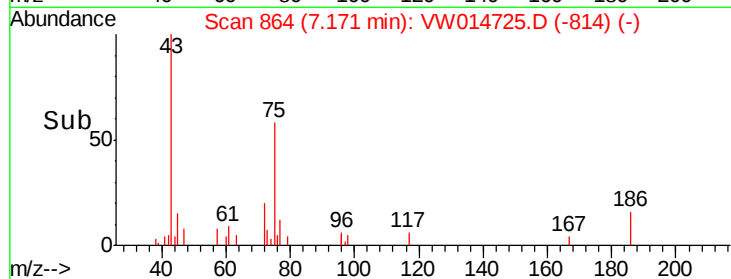
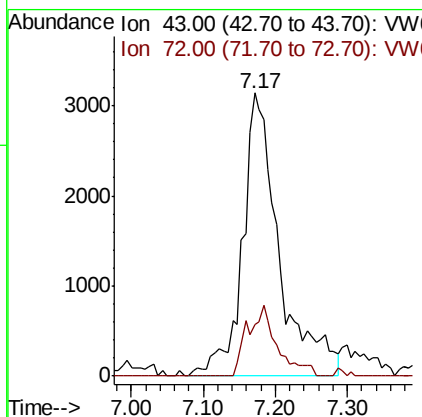
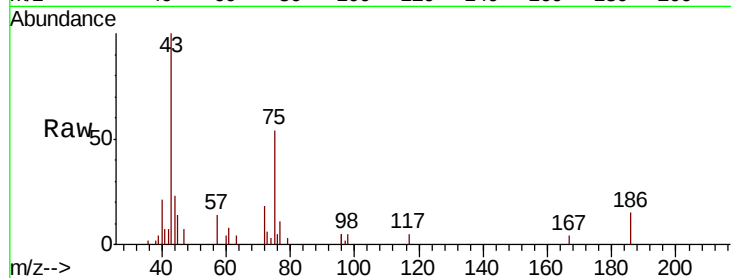




#25
2-Butanone
Concen: 6.743 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014725.D
Acq: 23 Jan 2020 14:55

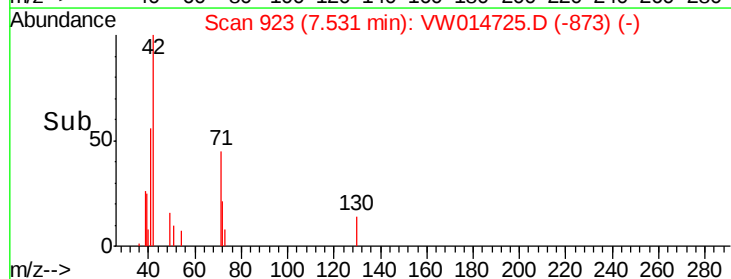
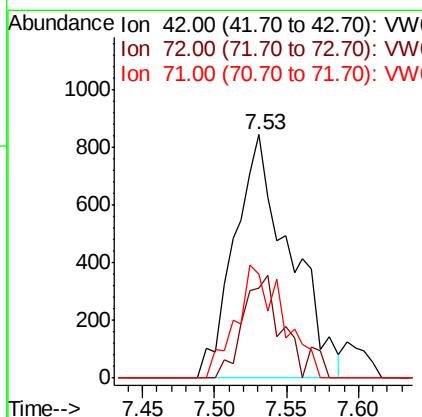
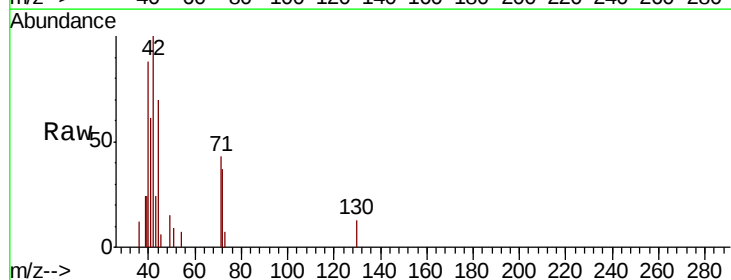
Instrument :
MSVOA_W
ClientSampled :

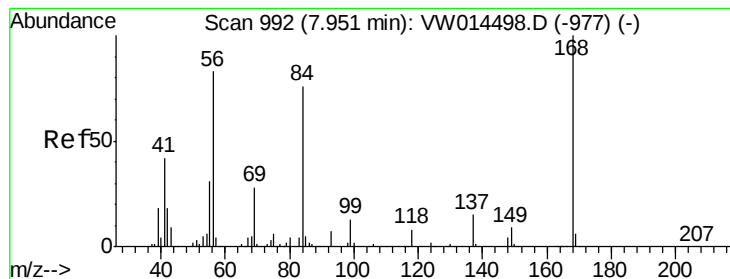
Tot Ion: 43 Resp: 11121
Ion Ratio Lower Upper
43 100
72 18.1 21.9 32.9#



#29
Tetrahydrofuran
Concen: 2.215 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW014725.D
Acq: 23 Jan 2020 14:55

Tgt Ion: 42 Resp: 2263
Ion Ratio Lower Upper
42 100
72 28.1 34.5 51.7#
71 39.3 32.0 48.0





#31

Cyclohexane

Concen: 1.375 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014725.D

Acq: 23 Jan 2020 14:55

Instrument :

MSVOA_W

ClientSampled :

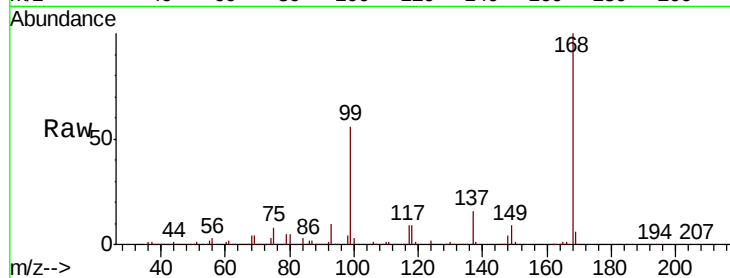
Tot Ion: 56 Resp: 13358

Ion Ratio Lower Upper

56 100

69 151.7 26.8 40.2#

84 117.2 71.8 107.6#

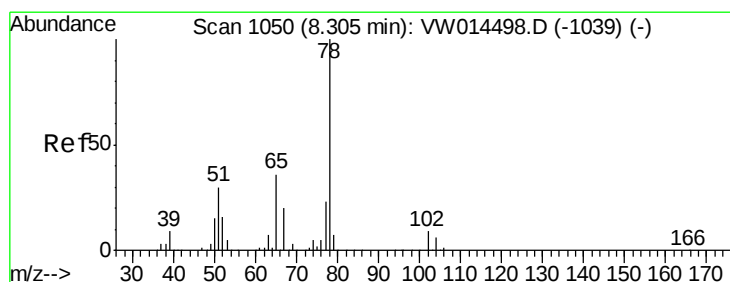
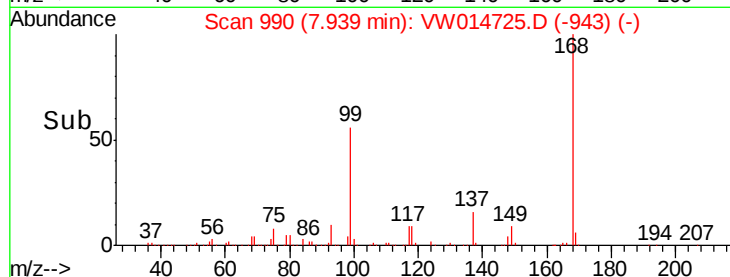
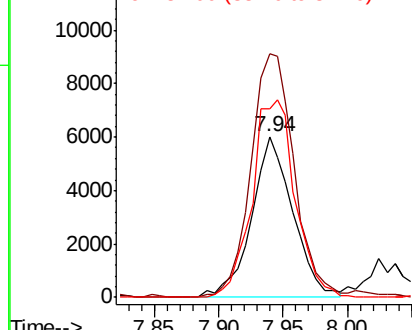


Abundance

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: 56.698 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014725.D

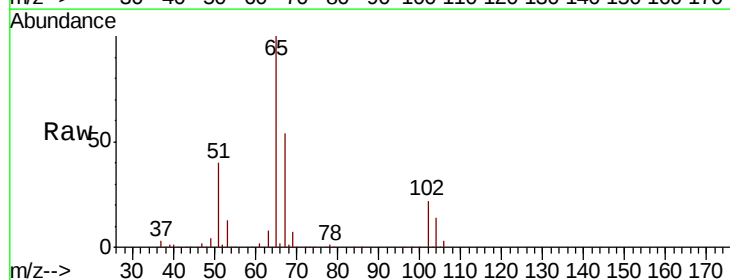
Acq: 23 Jan 2020 14:55

Tgt Ion: 65 Resp: 258047

Ion Ratio Lower Upper

65 100

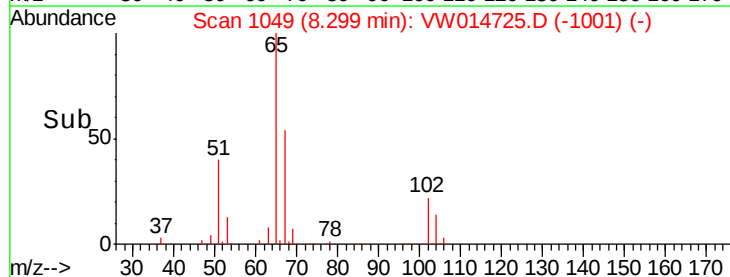
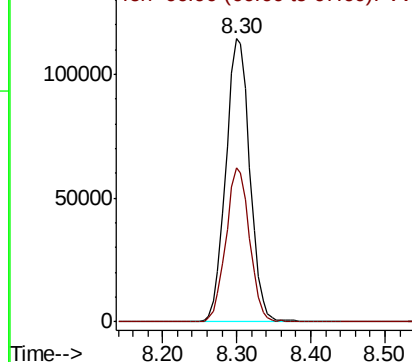
67 53.5 0.0 108.4

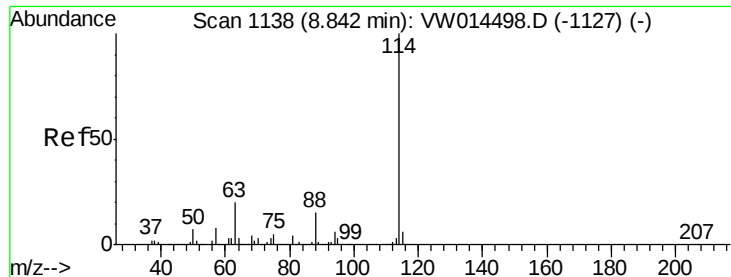


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

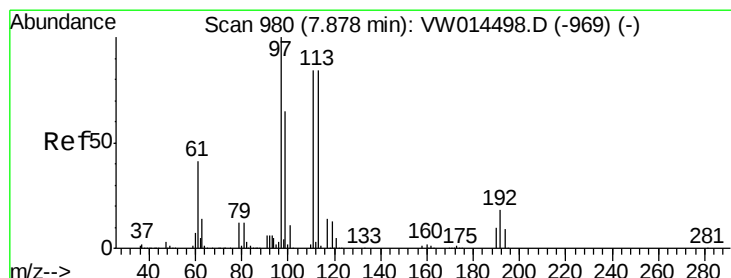
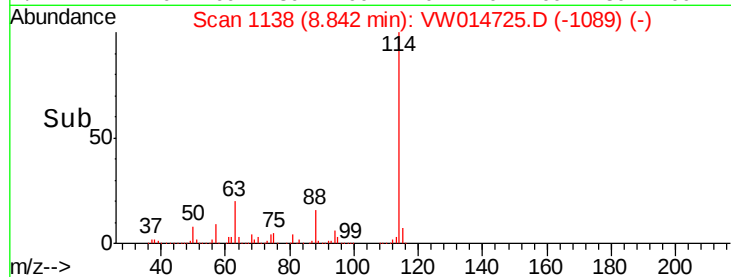
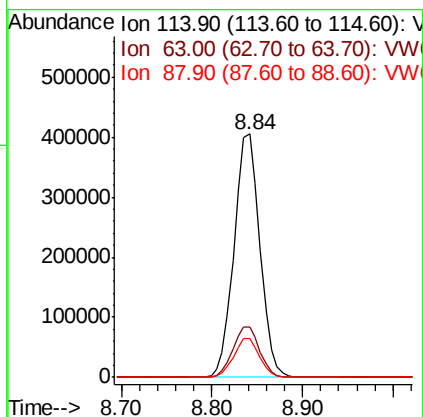
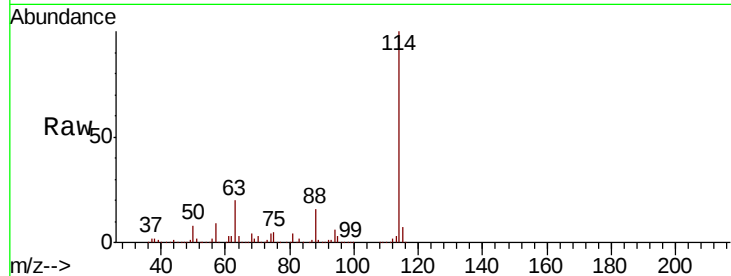




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014725.D
 Acq: 23 Jan 2020 14:55

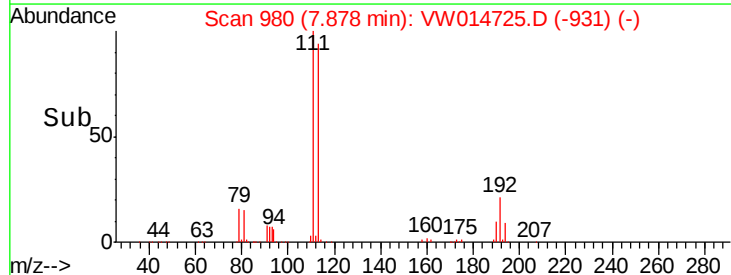
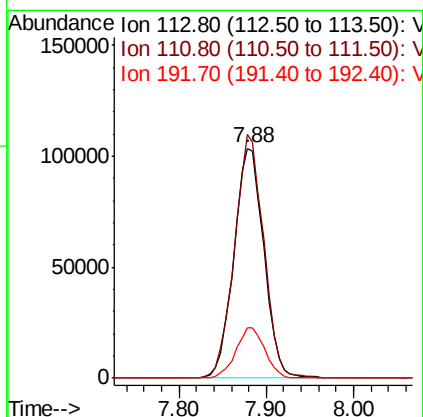
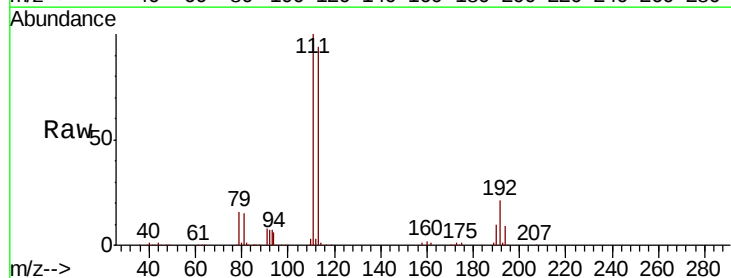
Instrument :
 MSVOA_W
 ClientSampleId :

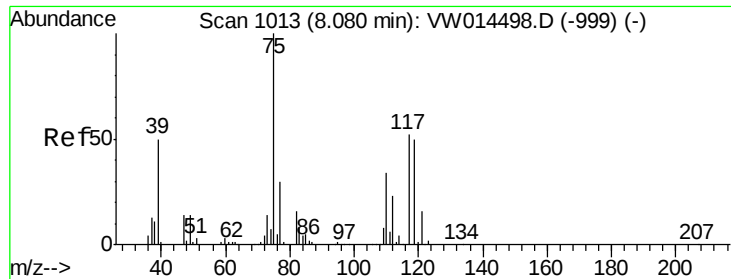
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.4
88	15.9	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 53.869 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014725.D
 Acq: 23 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.2
192	21.4	17.8	26.8

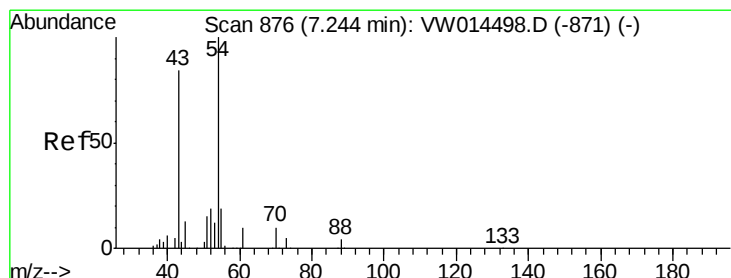
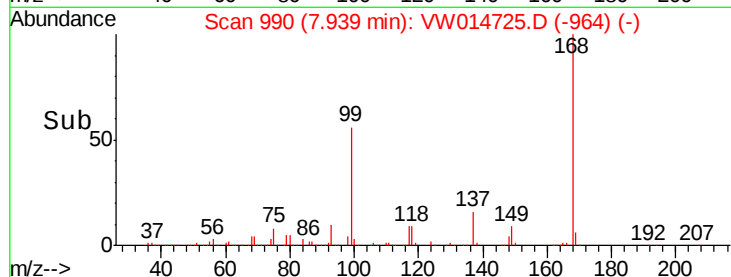
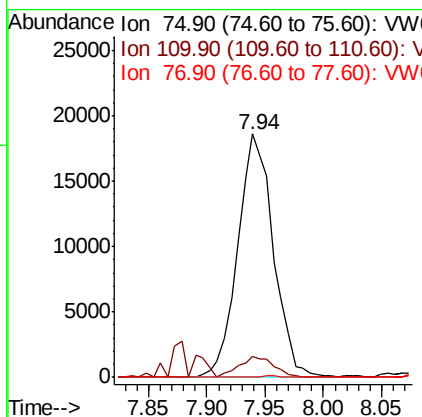
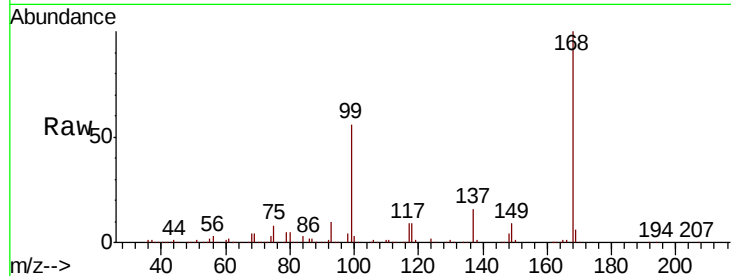




#36
 1,1-Dichloropropene
 Concen: 5.141 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014725.D
 Acq: 23 Jan 2020 14:55

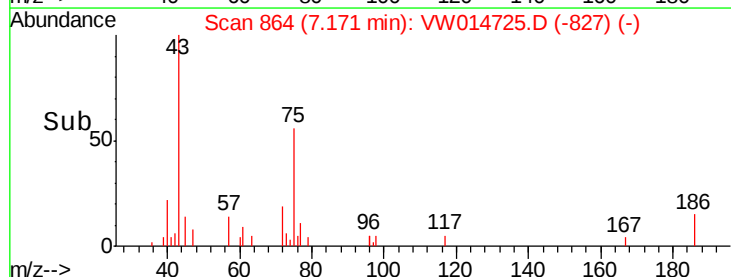
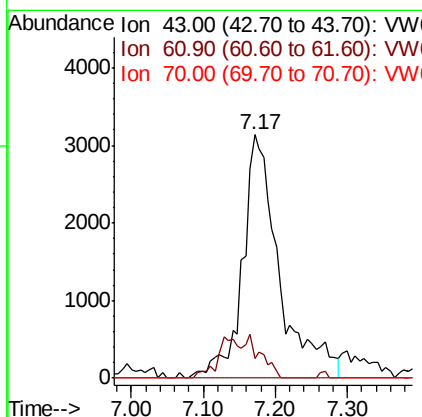
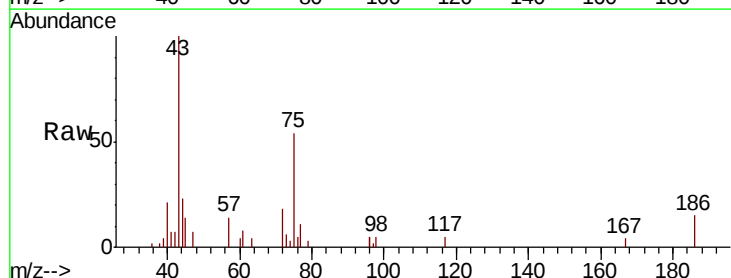
Instrument :
 MSVOA_W
 ClientSampleId :

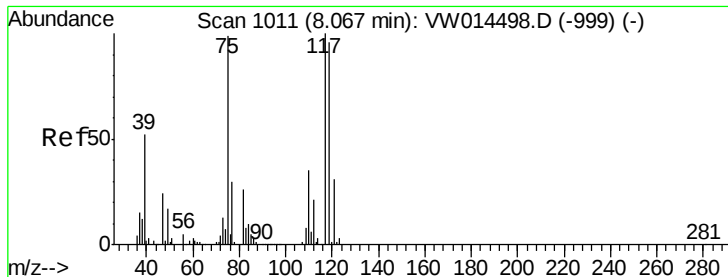
Tot Ion: 75 Resp: 39739
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.8 53.5#
 77 0.2 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 3.172 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.07 min
 Lab File: VW014725.D
 Acq: 23 Jan 2020 14:55

Tgt Ion: 43 Resp: 11121
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.7 17.5#
 70 0.0 9.0 13.6#

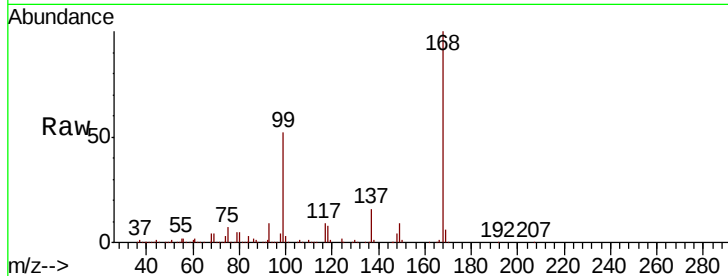




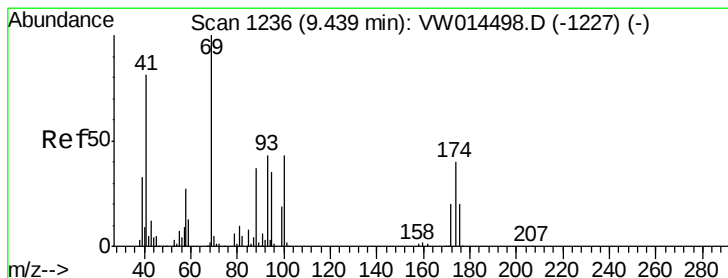
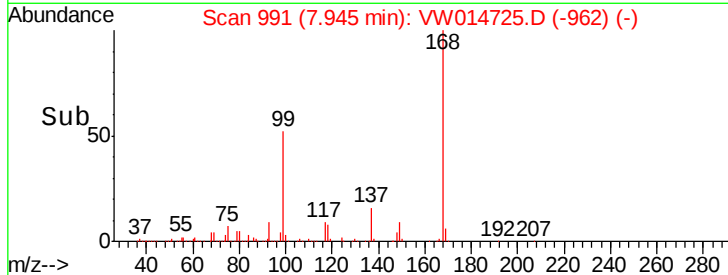
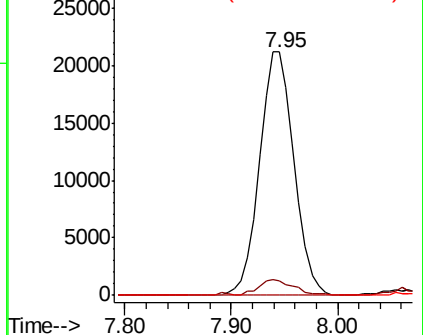
#38
Carbon Tetrachloride
Concen: 7.131 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014725.D
Acq: 23 Jan 2020 14:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 47817
Ion Ratio Lower Upper
117 100
119 5.8 77.0 115.6#
121 0.0 24.6 36.8#

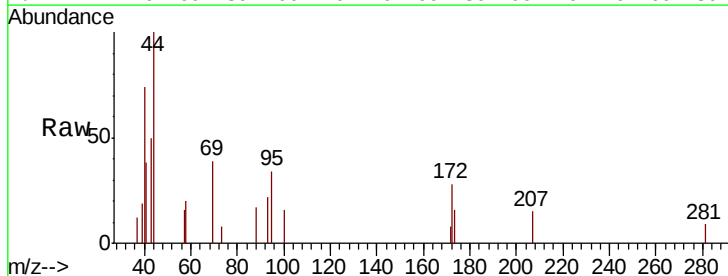


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

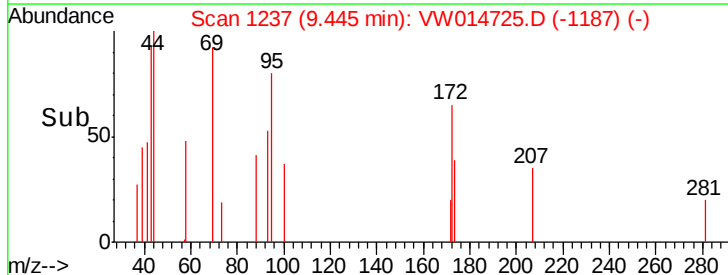
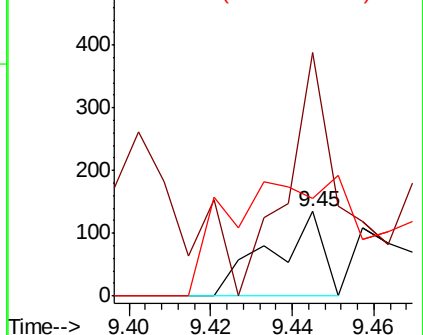


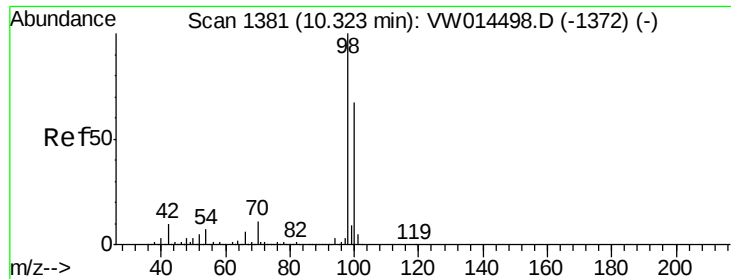
#49
1,4-Dioxane
Concen: 2.402 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014725.D
Acq: 23 Jan 2020 14:55

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 307.6 24.9 37.3#
58 413.4 56.9 85.3#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

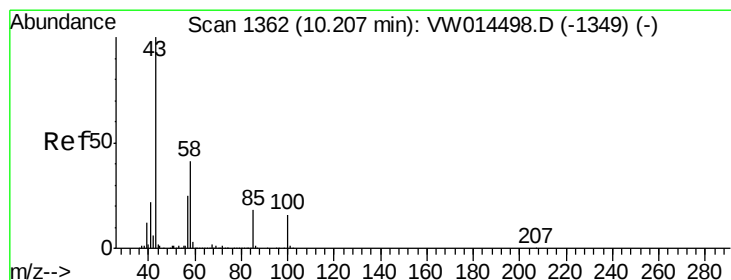
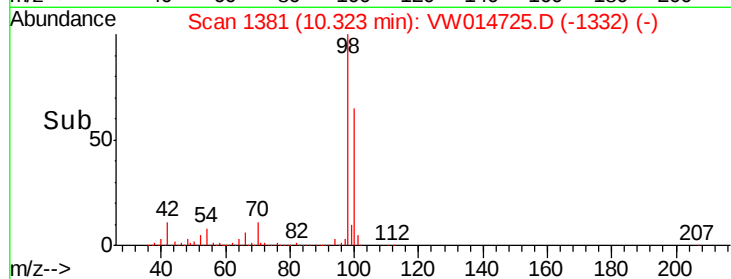
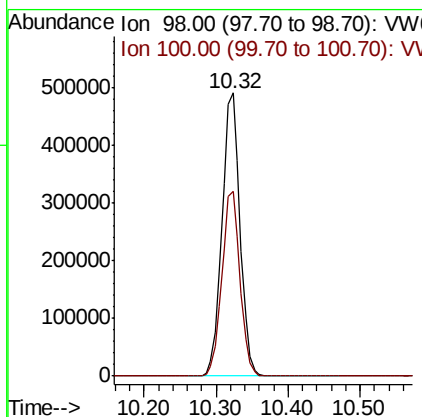
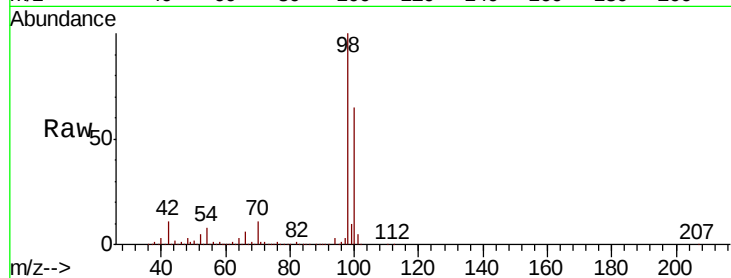




#50
Toluene-d8
Concen: 44.698 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014725.D
Acq: 23 Jan 2020 14:55

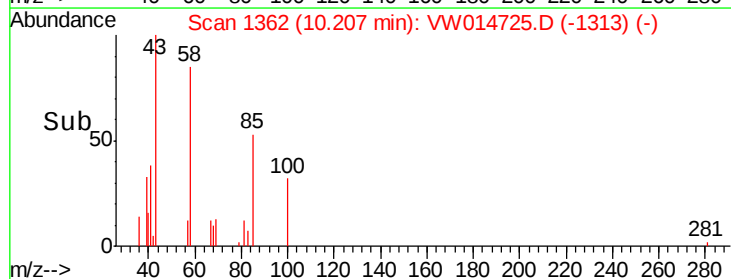
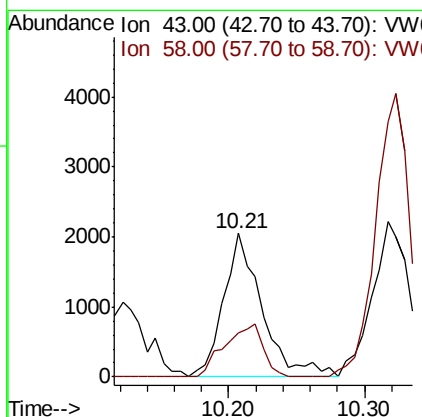
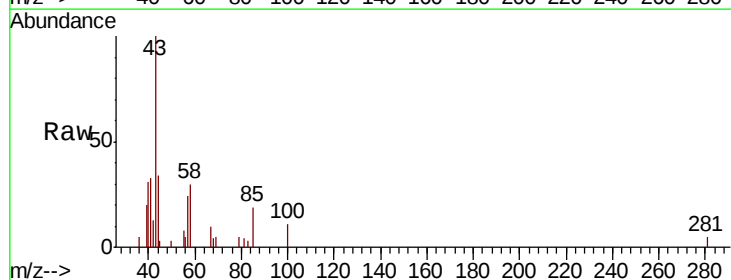
Instrument :
MSVOA_W
ClientSampled :

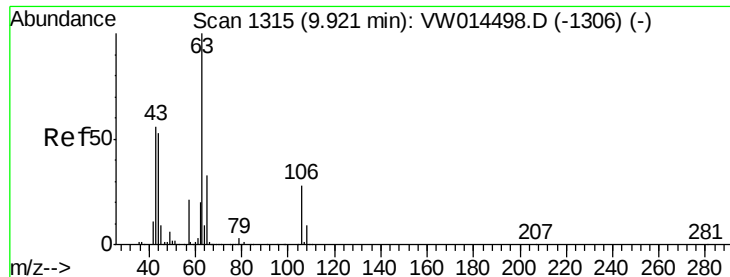
Tot Ion: 98 Resp: 854737
Ion Ratio Lower Upper
98 100
100 65.6 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 1.224 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014725.D
Acq: 23 Jan 2020 14:55

Tgt Ion: 43 Resp: 4047
Ion Ratio Lower Upper
43 100
58 36.6 32.7 49.1

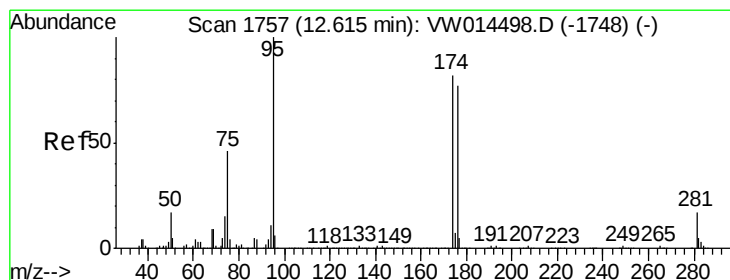
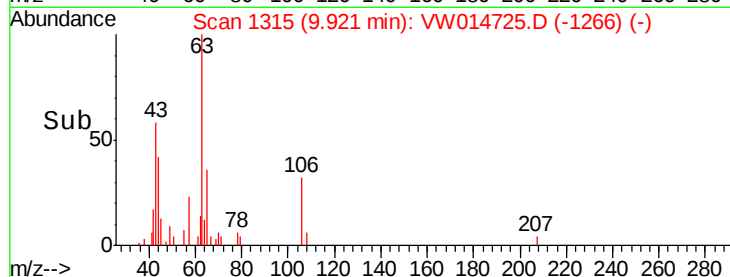
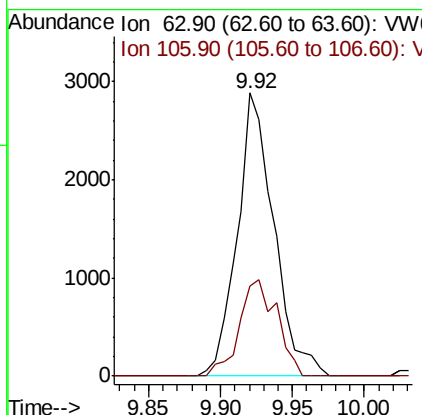
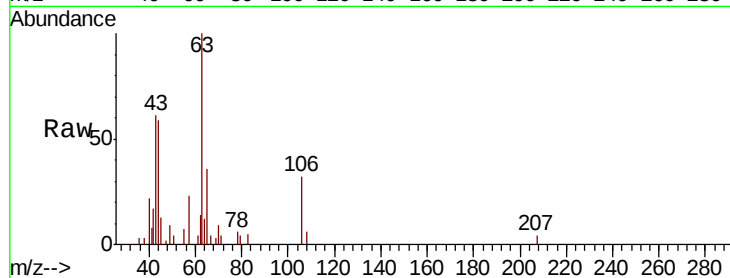




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.327 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014725.D
 Acq: 23 Jan 2020 14:55

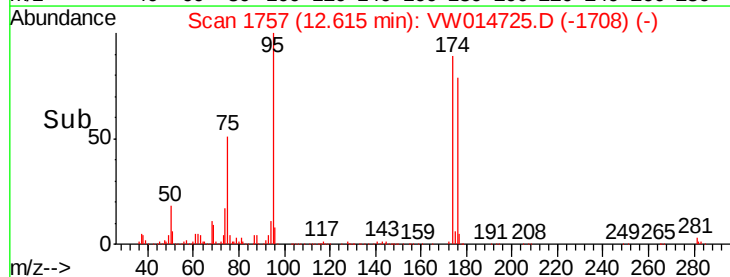
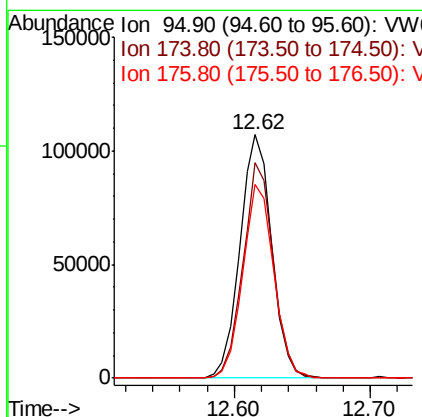
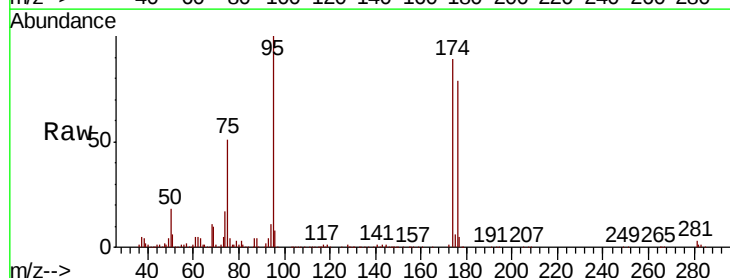
Instrument :
 MSVOA_W
 ClientSampleId :

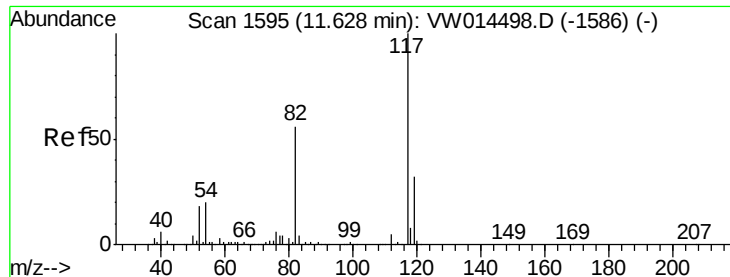
Tot Ion: 63 Resp: 5088
 Ion Ratio Lower Upper
 63 100
 106 34.7 23.0 34.6#



#62
 4-Bromofluorobenzene
 Concen: 26.793 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014725.D
 Acq: 23 Jan 2020 14:55

Tgt Ion: 95 Resp: 173781
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 168.6
 176 78.7 0.0 162.0

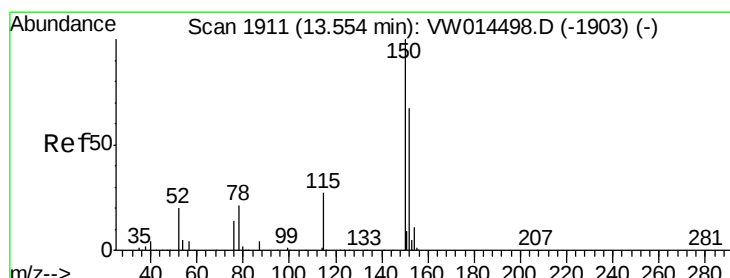
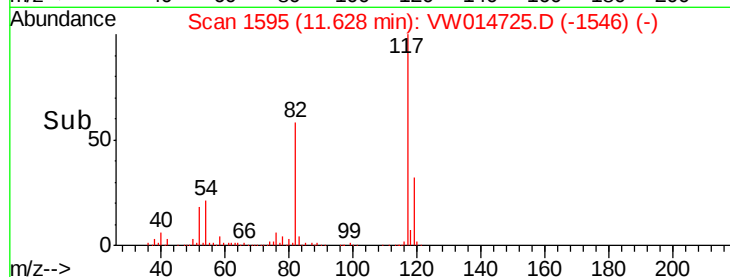
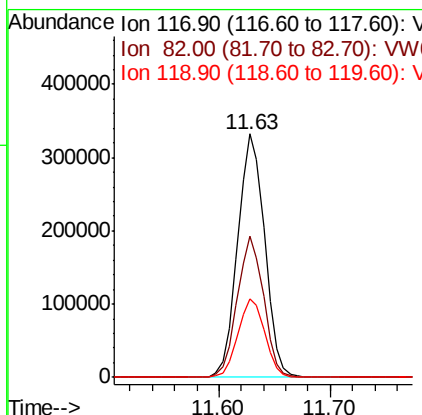
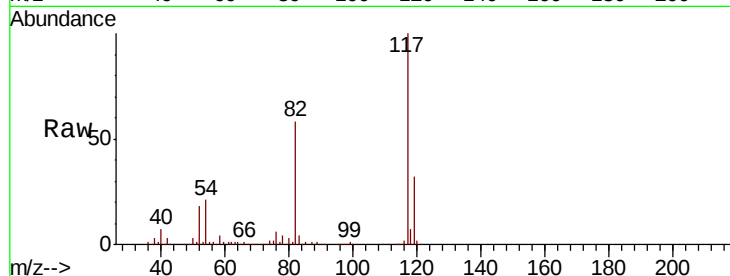




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014725.D
Acq: 23 Jan 2020 14:55

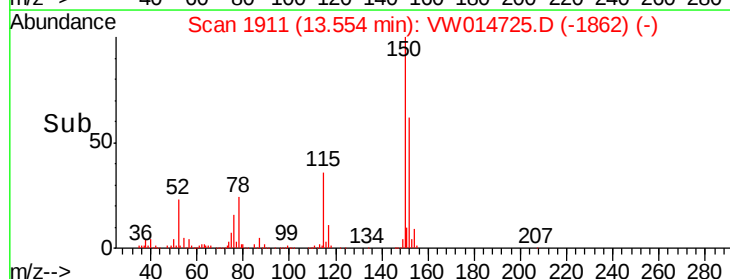
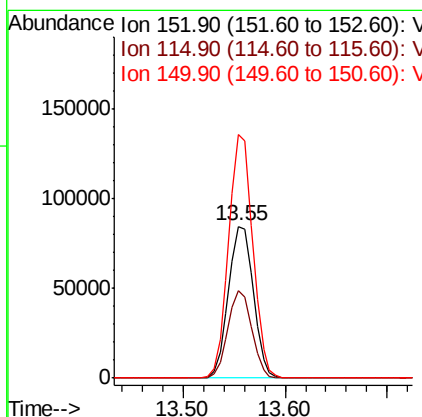
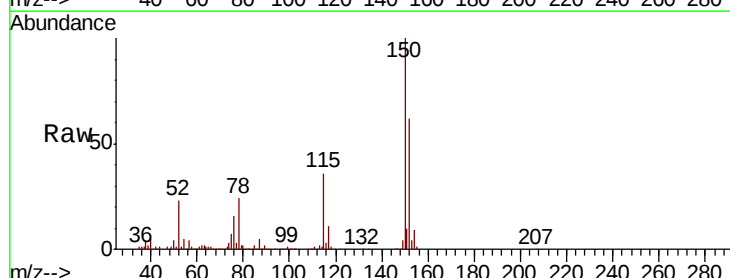
Instrument :
MSVOA_W
ClientSampleId :

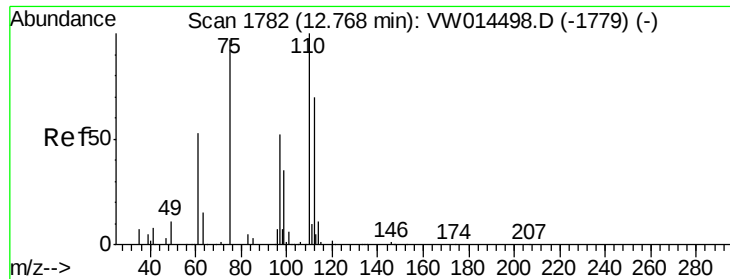
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	44.6	67.0
119	32.2	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014725.D
Acq: 23 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.7	83.1
150	155.1	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 64.325 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014725.D

Acq: 23 Jan 2020 14:55

Instrument :

MSVOA_W

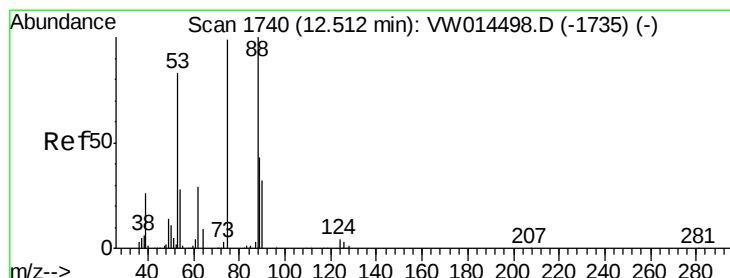
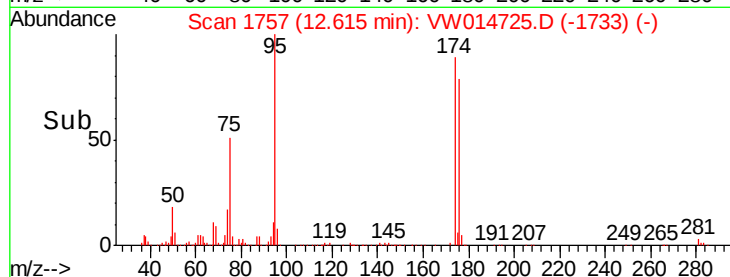
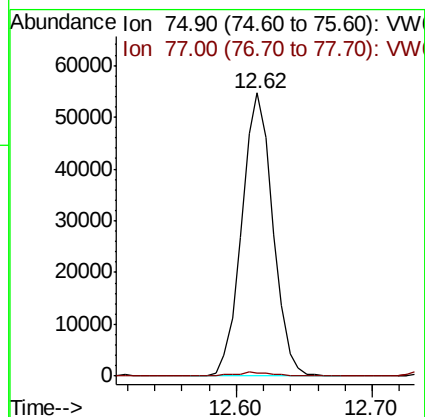
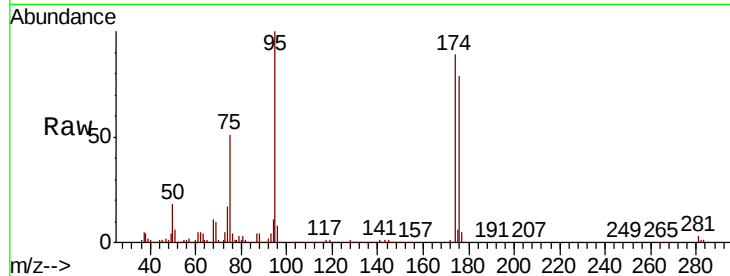
ClientSampled :

Tot Ion: 75 Resp: 87143

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.318 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014725.D

Acq: 23 Jan 2020 14:55

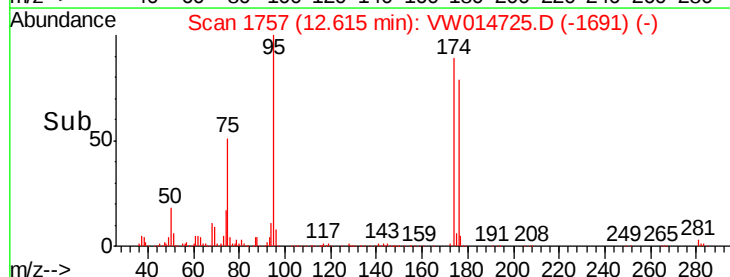
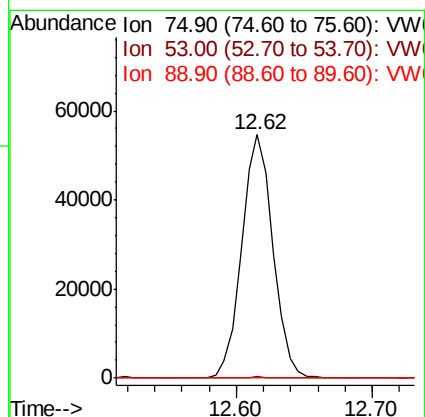
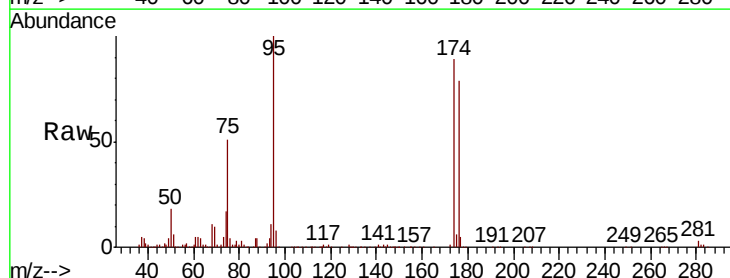
Tgt Ion: 75 Resp: 87143

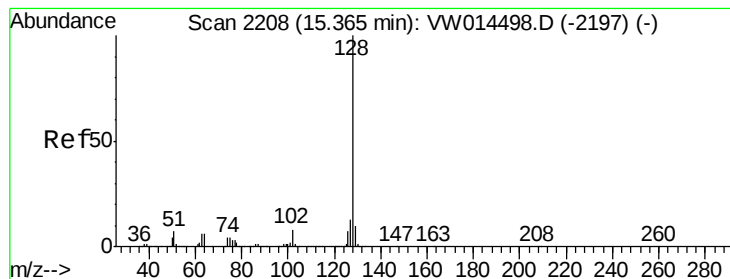
Ion Ratio Lower Upper

75 100

53 0.4 70.9 106.3#

89 0.1 35.8 53.8#





#95

Napthalene

Concen: 1.028 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

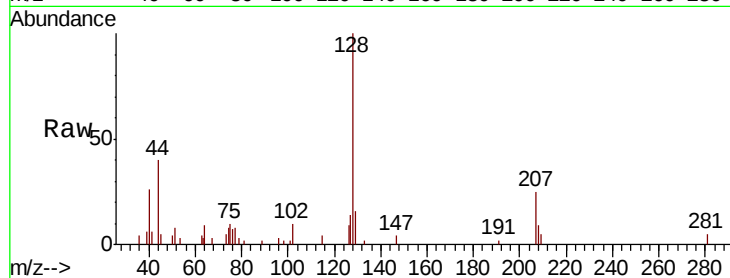
Lab File: VW014725.D

Acq: 23 Jan 2020 14:55

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:	128	Resp:	4939
Ion	Ratio	Lower	Upper
128	100		
127	17.4	10.6	15.8#
129	12.4	8.7	13.1

