

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014749.D
 Acq On : 24 Jan 2020 17:25
 Operator : SY/VA
 Sample : L1242-11
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20200064-AMENDED-COMP-2

Quant Time: Jan 25 06:10:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 13:12:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	559319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	910549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	769033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	312474	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	297931	55.31	ug/l	0.00
Spiked Amount			Recovery	=	110.62%	
35) Dibromofluoromethane	7.88	113	70230	13.25	ug/l	0.00
Spiked Amount			Recovery	=	26.50%	
50) Toluene-d8	10.32	98	1077158	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.62	95	333938	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	

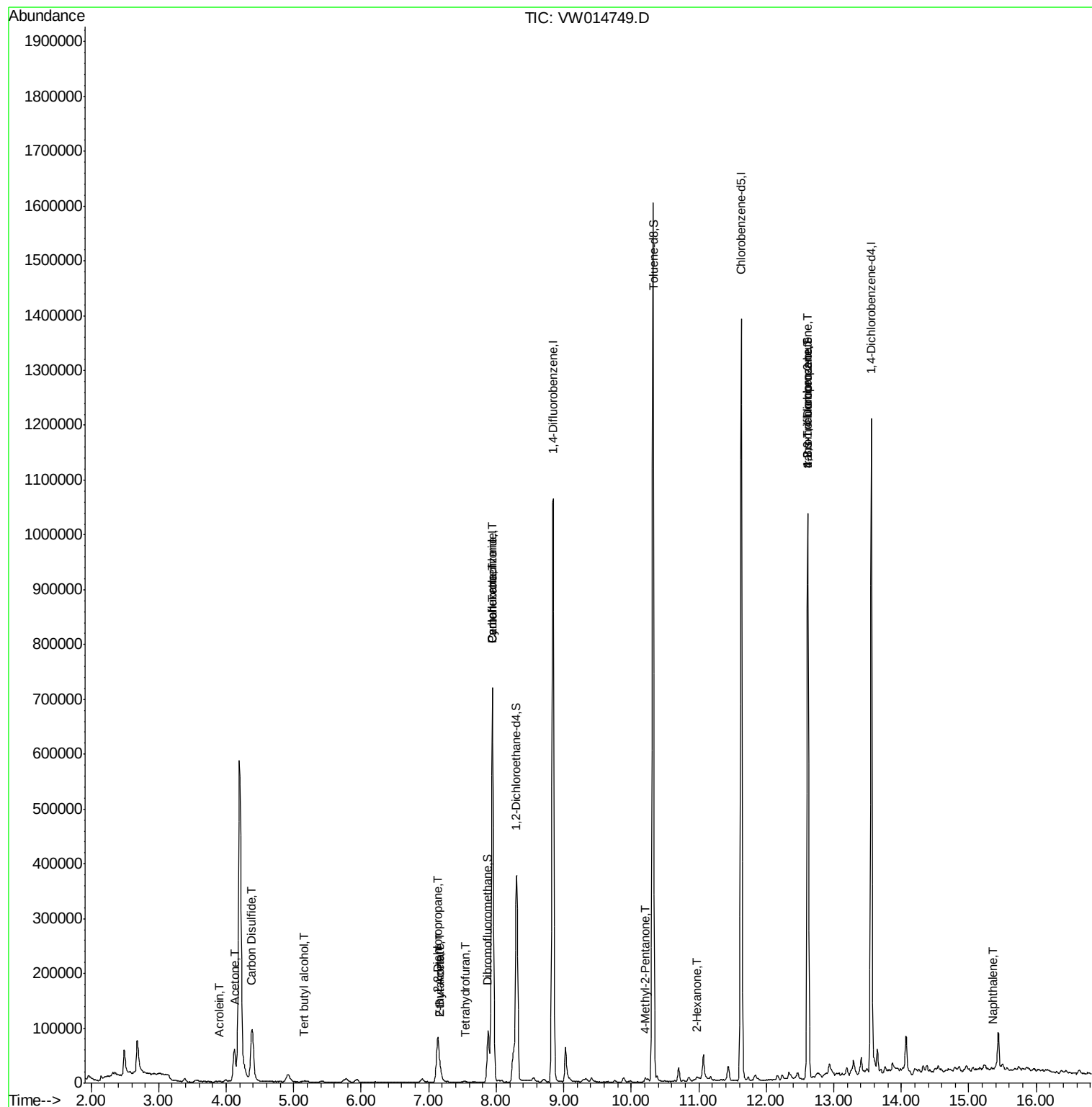
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	4133	10.677	ug/l #	72
13) Acrolein	3.91	56	1150	2.666	ug/l	93
16) Acetone	4.12	43	109642	80.984	ug/l	96
17) Carbon Disulfide	4.39	76	215621	11.724	ug/l	98
20) Methylene Chloride	4.91	84	11682	Below Cal		92
25) 2-Butanone	7.17	43	29898	16.778	ug/l	97
26) 2,2-Dichloropropane	7.13	77	6236	1.024	ug/l #	51
29) Tetrahydrofuran	7.54	42	1378	1.223	ug/l #	71
31) Cyclohexane	7.95	56	12598	1.124	ug/l #	1
37) Ethyl Acetate	7.17	43	29898	7.285	ug/l #	69
38) Carbon Tetrachloride	7.95	117	53893	6.702	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	6047	1.563	ug/l	95
59) 2-Hexanone	10.98	43	3313	1.271	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	165674	53.402	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	165674	126.387	ug/l #	11
95) Naphthalene	15.36	128	4232	1.370	ug/l #	82

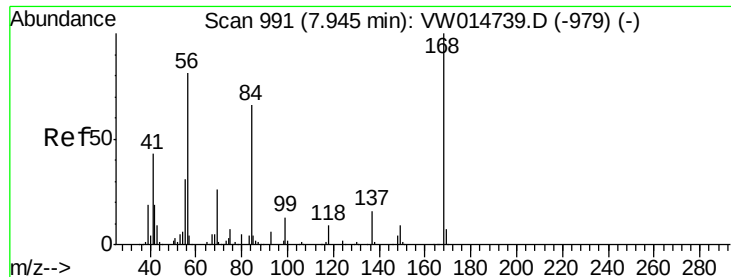
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
Quant Title : SW846 8260
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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: VW014749.D

Acq: 24 Jan 2020 17:25

Instrument :

MSVOA_W

ClientSampleId :

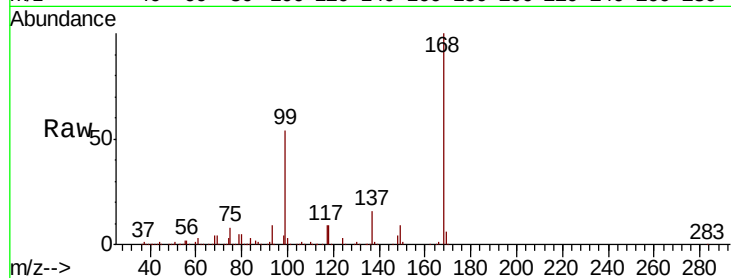
20200064-AMENDED-COMP-2

Tot Ion:168 Resp: 559319

Ion Ratio Lower Upper

168 100

99 53.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

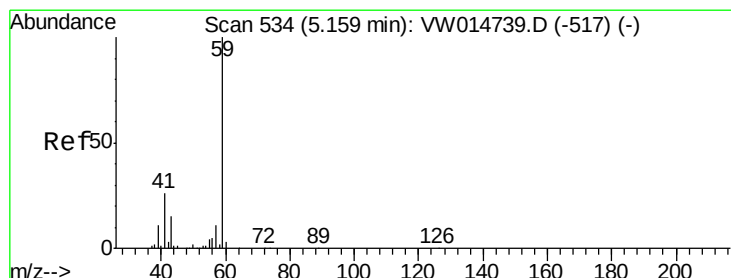
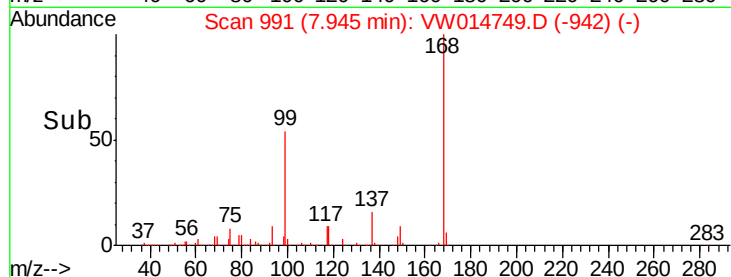
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 10.677 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014749.D

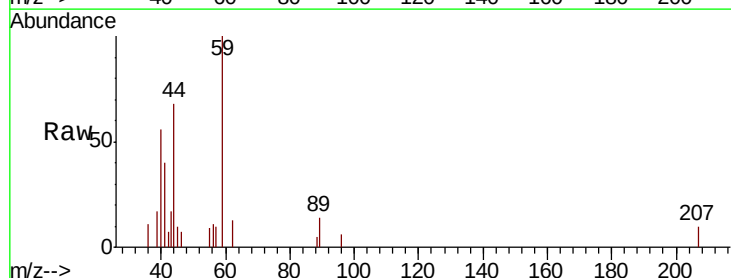
Acq: 24 Jan 2020 17:25

Tgt Ion: 59 Resp: 4133

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

1000

800

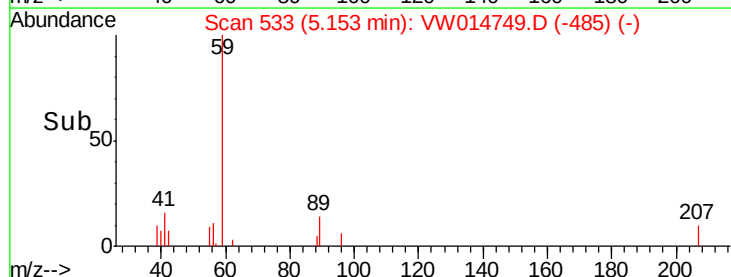
600

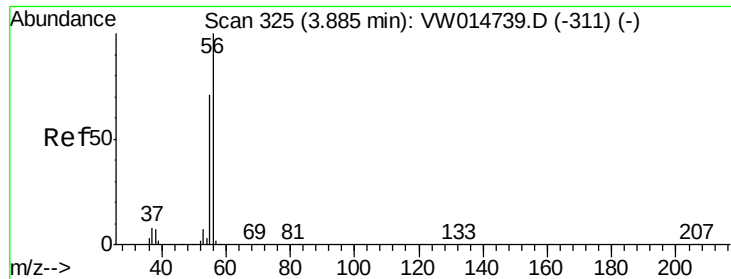
400

200

0

Time--> 5.05 5.10 5.15 5.20 5.25

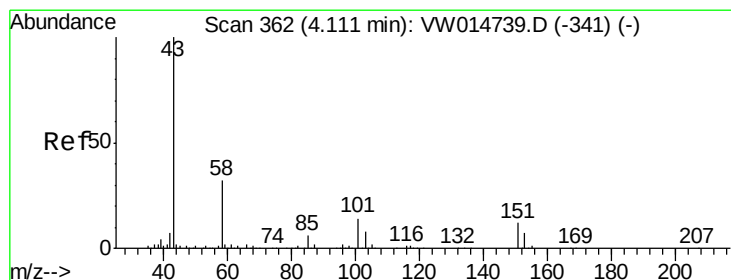
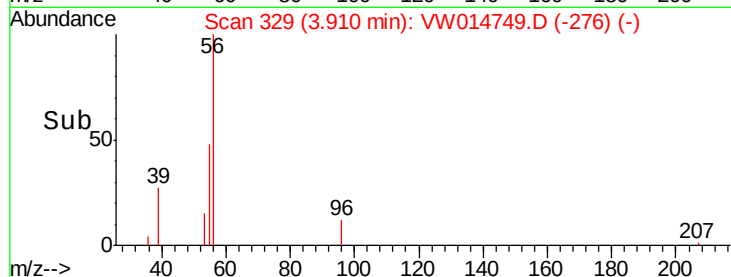
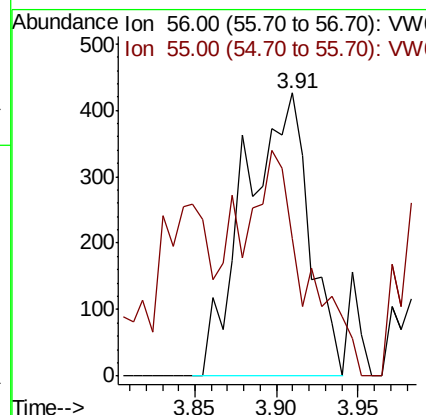
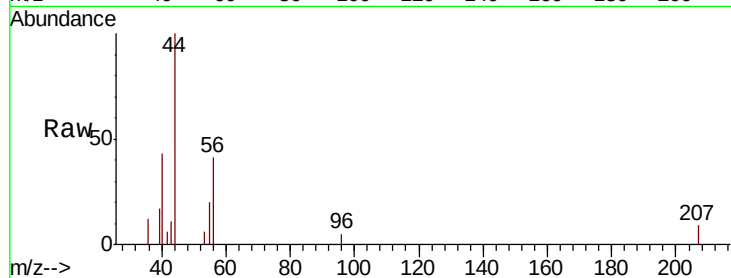




#13
Acrolein
Concen: 2.666 ug/l
RT: 3.91 min Scan# 329
Delta R.T. 0.02 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

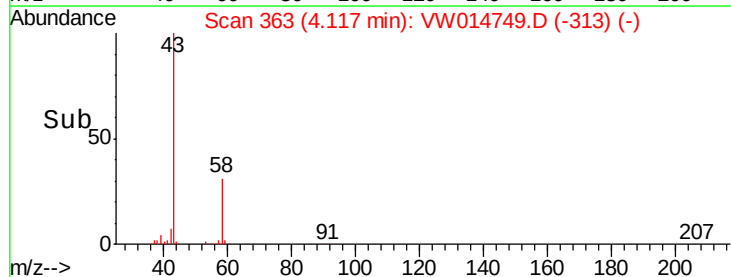
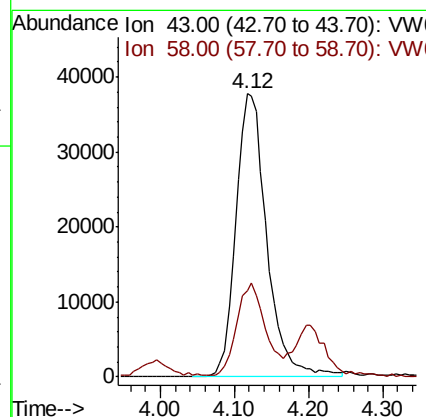
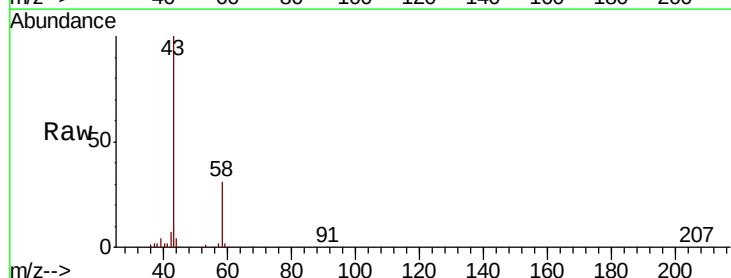
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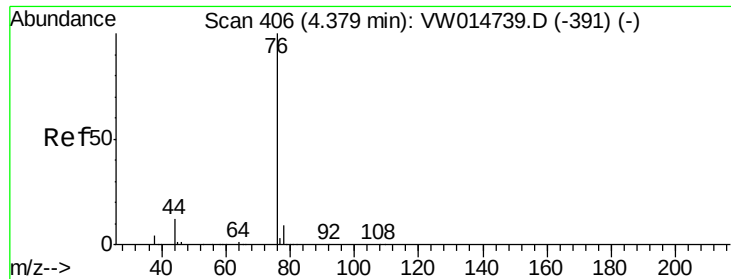
Tot Ion: 56 Resp: 1150
Ion Ratio Lower Upper
56 100
55 63.8 55.7 83.5



#16
Acetone
Concen: 80.984 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.01 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

Tgt Ion: 43 Resp: 109642
Ion Ratio Lower Upper
43 100
58 29.8 25.6 38.4

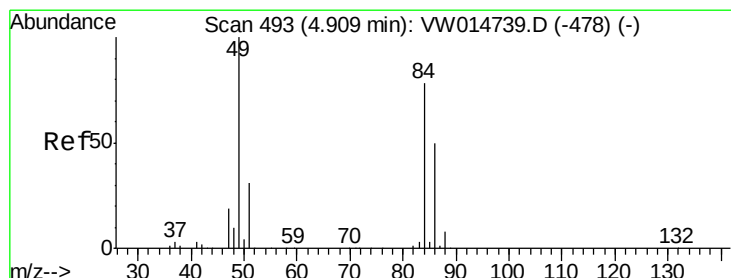
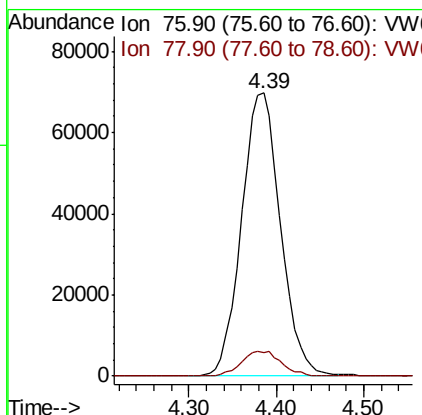
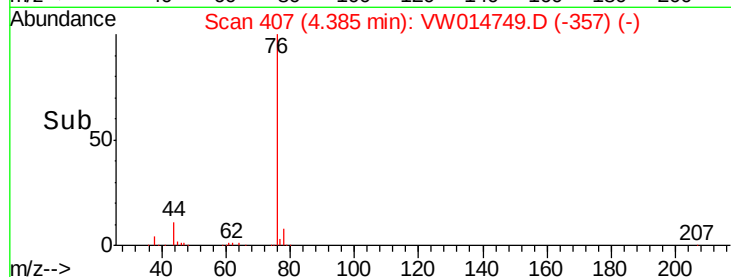
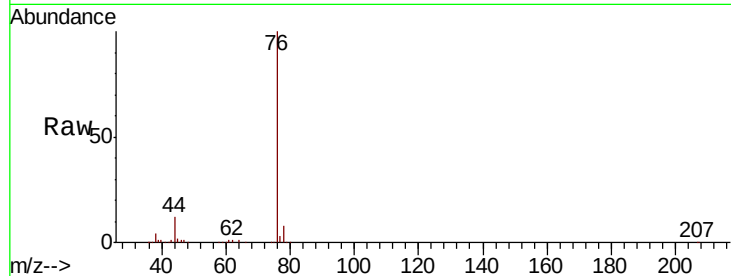




#17
Carbon Disulfide
Concen: 11.724 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

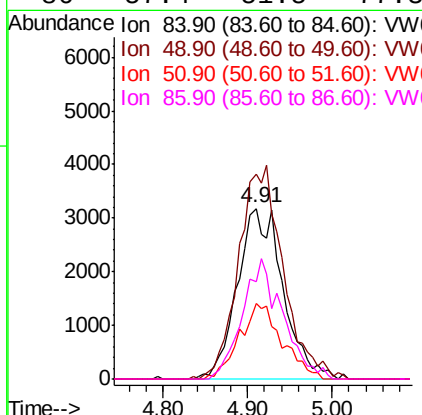
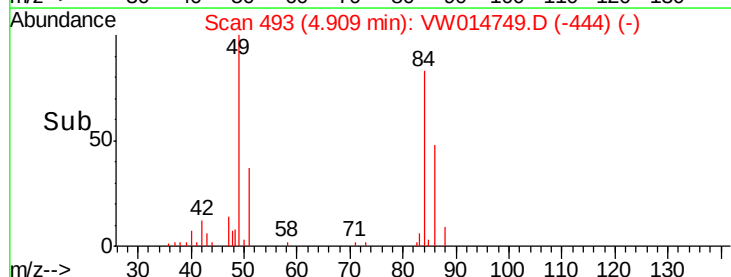
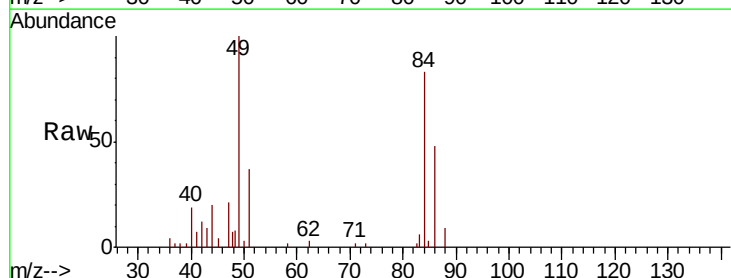
Instrument :
MSVOA_W
ClientSampleId :
20200064-AMENDED-COMP-2

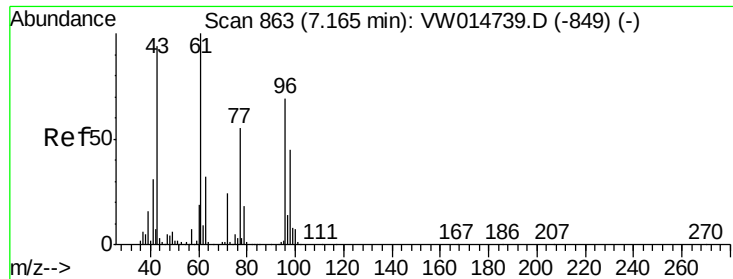
Tot Ion: 76 Resp: 215621
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

Tgt Ion: 84 Resp: 11682
Ion Ratio Lower Upper
84 100
49 119.8 103.1 154.7
51 44.2 32.1 48.1
86 57.4 51.5 77.3





#25

2-Butanone

Concen: 16.778 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014749.D

Acq: 24 Jan 2020 17:25

Instrument :

MSVOA_W

ClientSampleId :

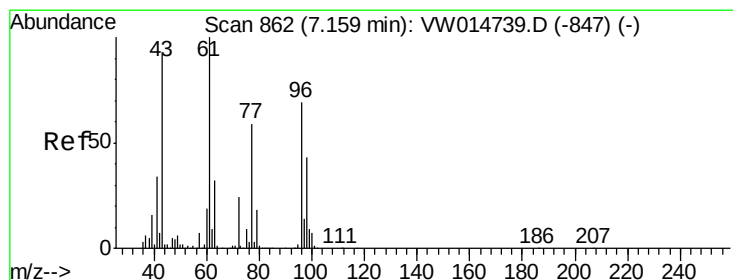
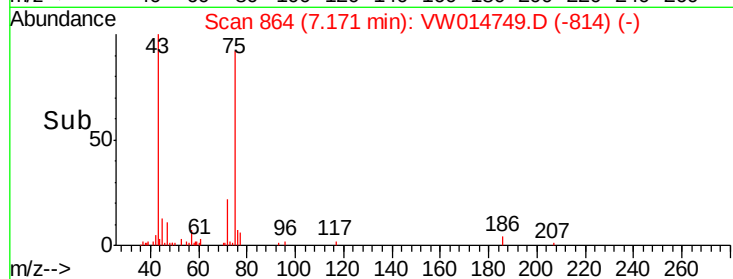
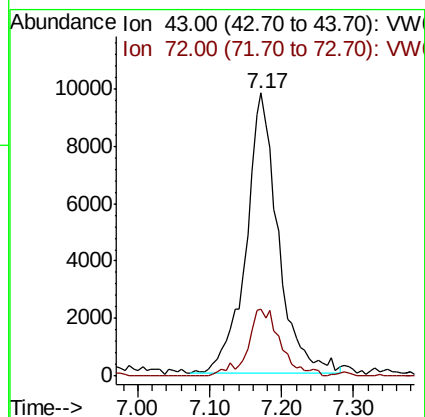
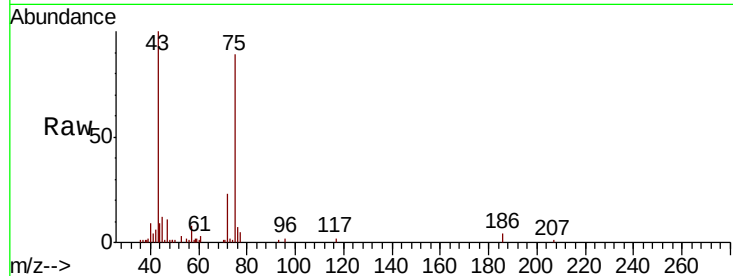
20200064-AMENDED-COMP-2

Tot Ion: 43 Resp: 29898

Ion Ratio Lower Upper

43 100

72 23.8 20.2 30.4



#26

2,2-Dichloropropane

Concen: 1.024 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW014749.D

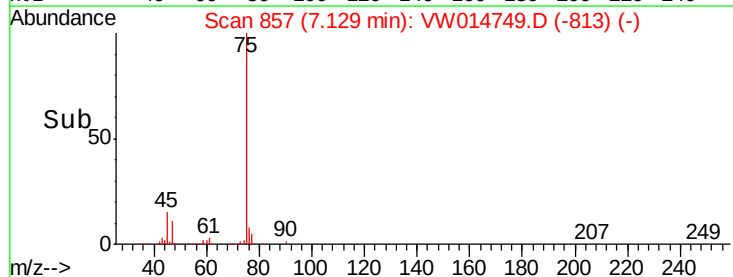
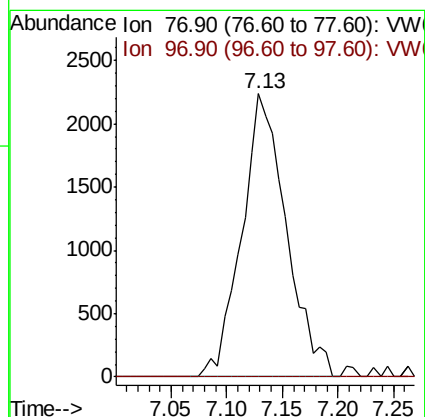
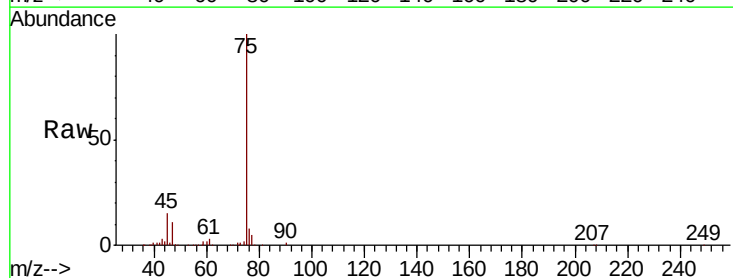
Acq: 24 Jan 2020 17:25

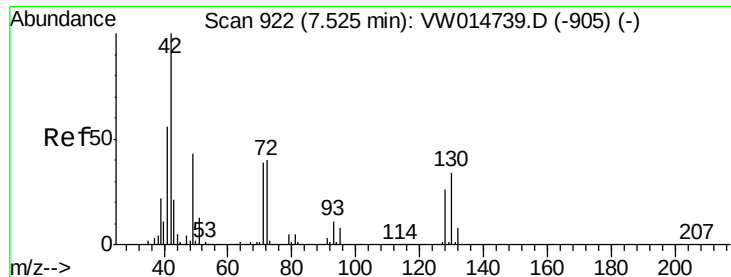
Tgt Ion: 77 Resp: 6236

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.9#

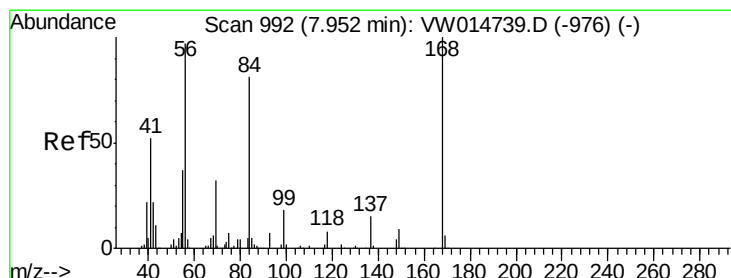
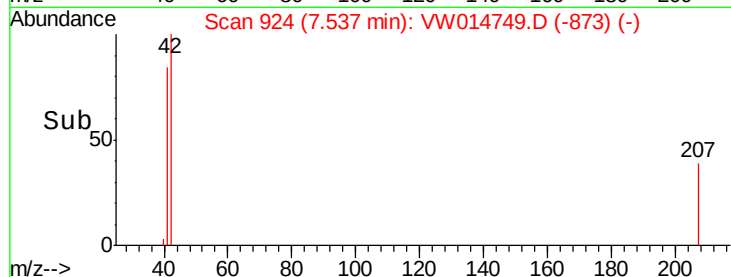
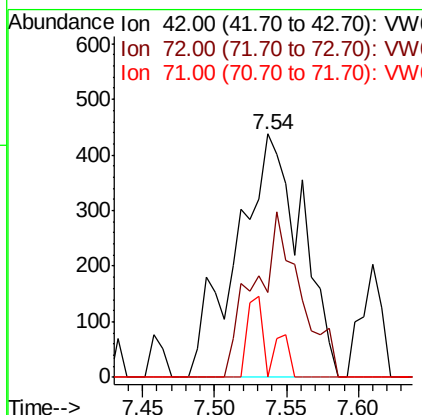
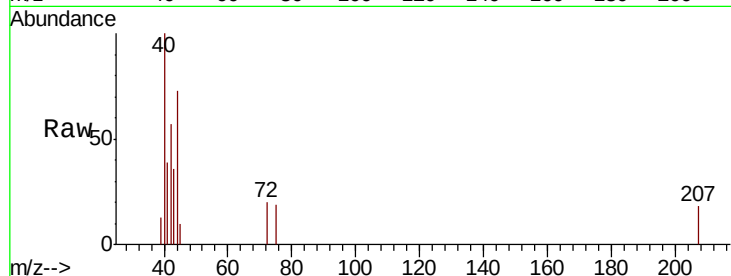




#29
Tetrahydrofuran
Concen: 1.223 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

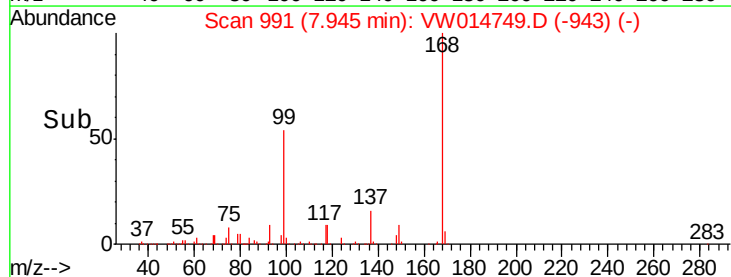
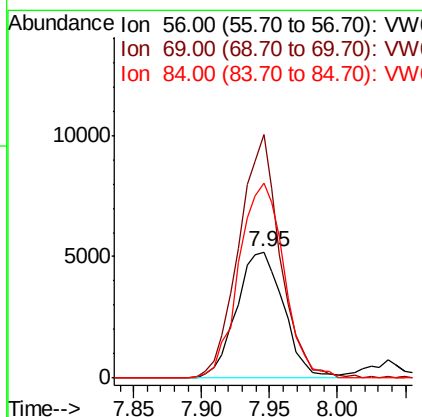
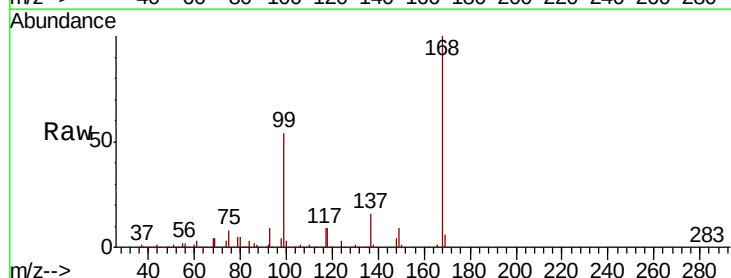
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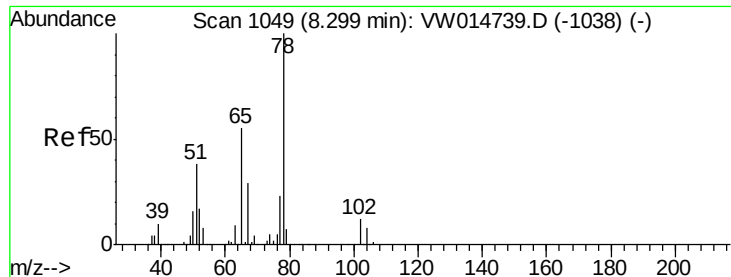
Tot Ion: 42 Resp: 1378
Ion Ratio Lower Upper
42 100
72 48.4 32.3 48.5
71 11.4 31.0 46.4#



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

Tgt Ion: 56 Resp: 12598
Ion Ratio Lower Upper
56 100
69 193.2 26.0 39.0#
84 154.9 66.6 99.8#

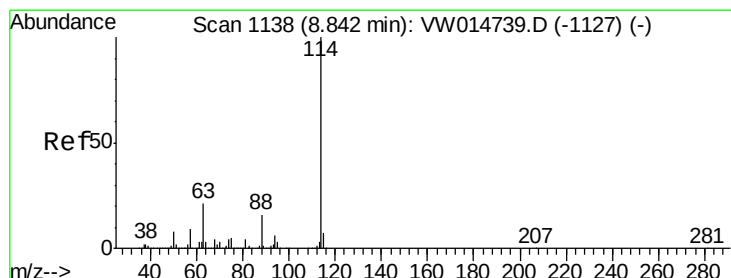
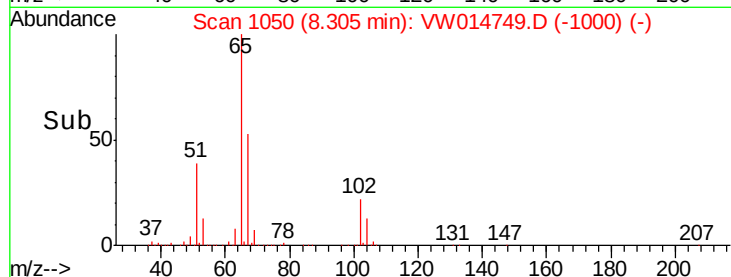
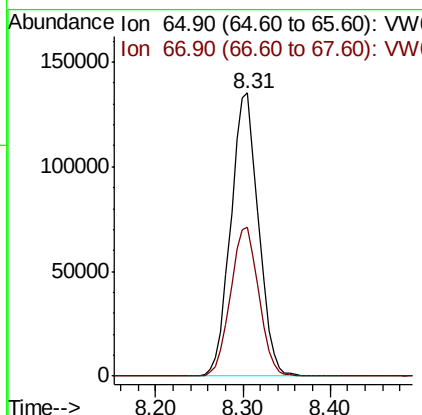
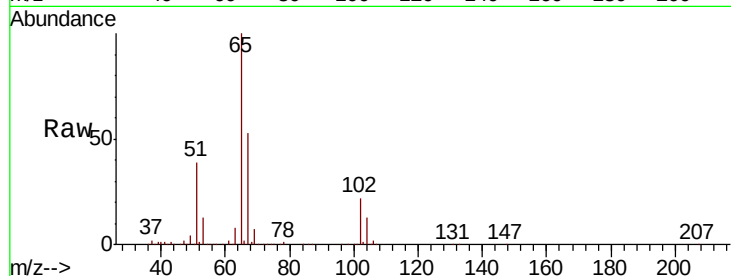




#33
 1,2-Dichloroethane-d4
 Concen: 55.306 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW014749.D
 Acq: 24 Jan 2020 17:25

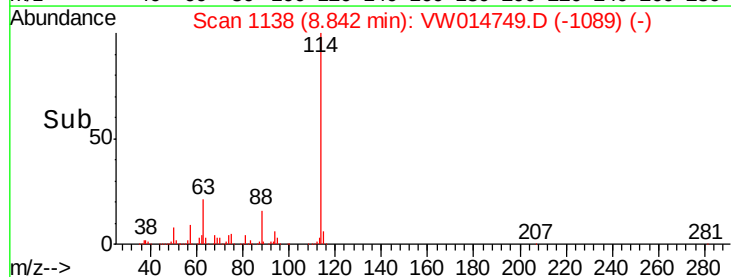
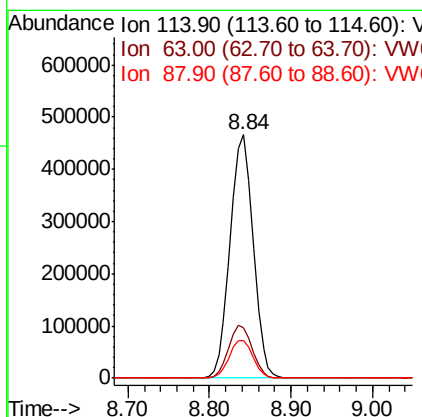
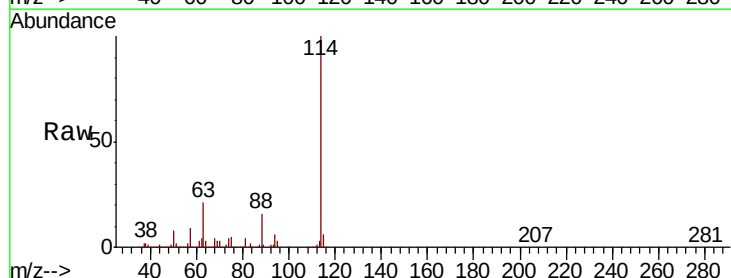
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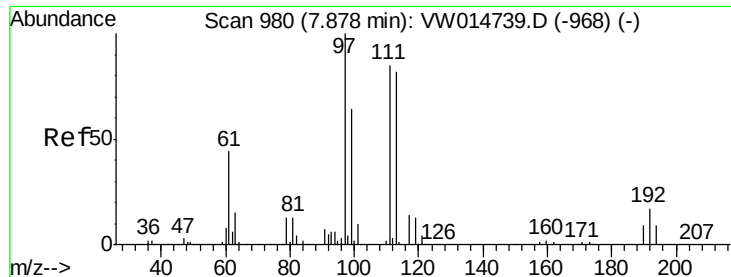
Tot Ion: 65 Resp: 297931
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014749.D
 Acq: 24 Jan 2020 17:25

Tgt Ion: 114 Resp: 910549
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.2
 88 15.6 0.0 32.2

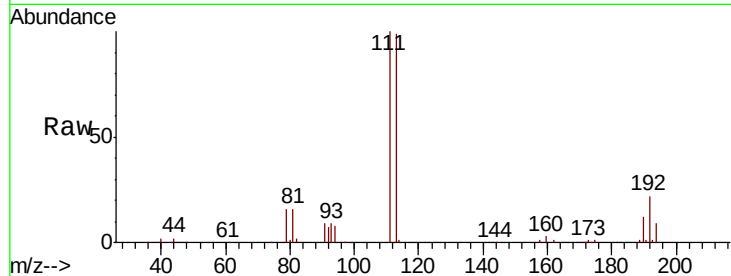




#35
Dibromofluoromethane
Concen: 13.250 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

Instrument :
MSVOA_W
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
113	100		
111	106.0	82.2	123.2
192	20.9	17.0	25.6

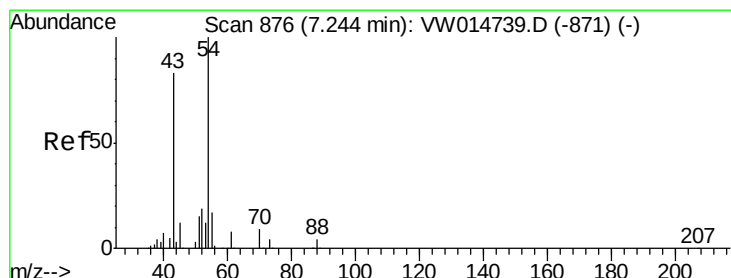
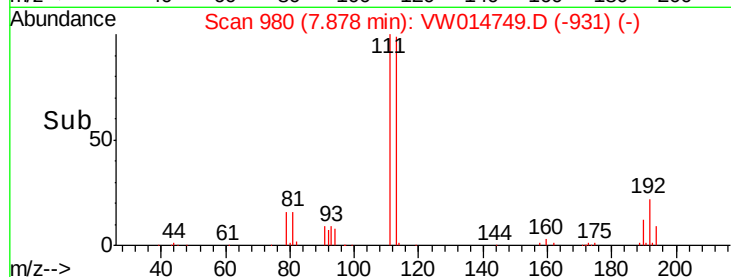
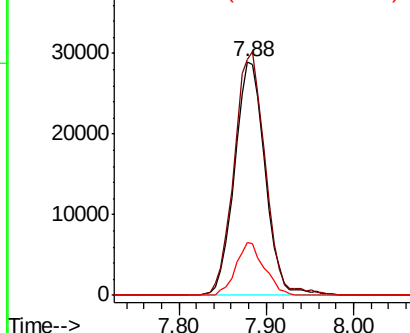


Abundance

Ion 112.80 (112.50 to 113.50): V

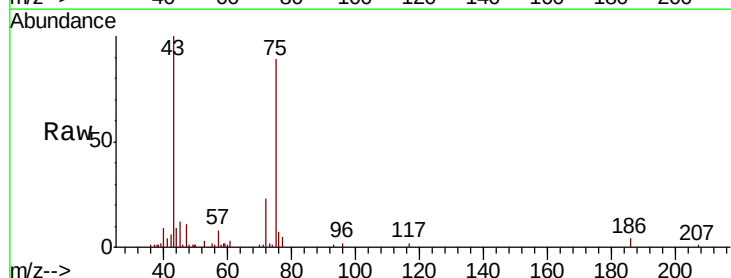
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#37
Ethyl Acetate
Concen: 7.285 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.07 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.3	8.5	12.7#

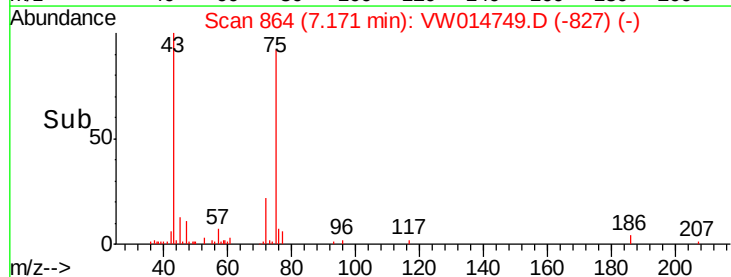
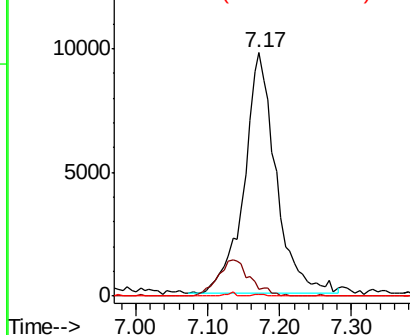


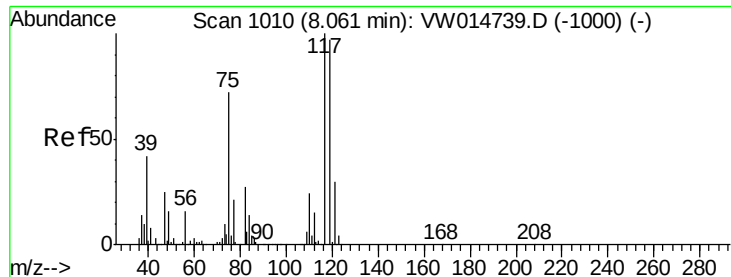
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

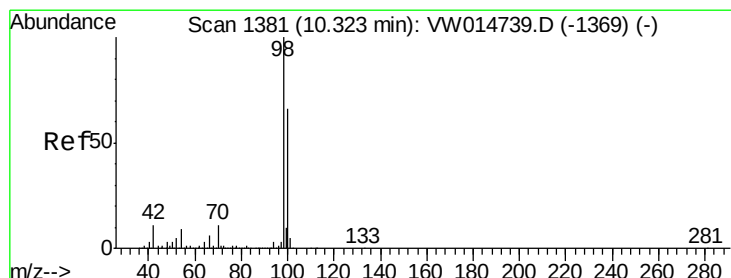
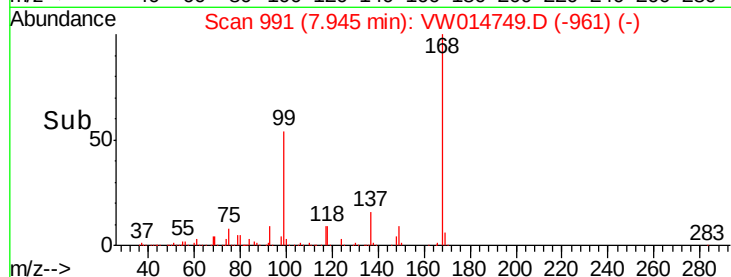
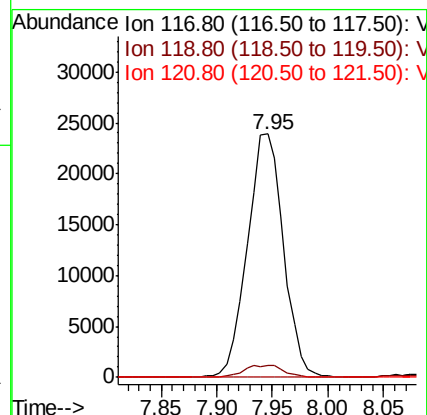
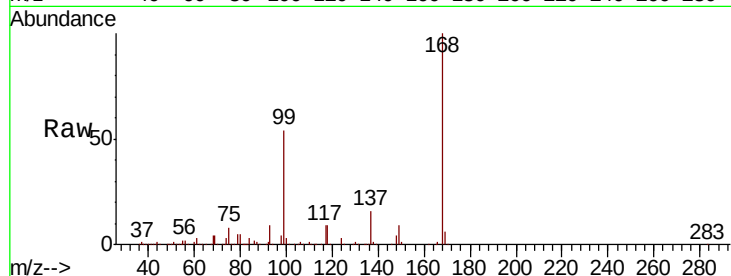




#38
Carbon Tetrachloride
Concen: 6.702 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

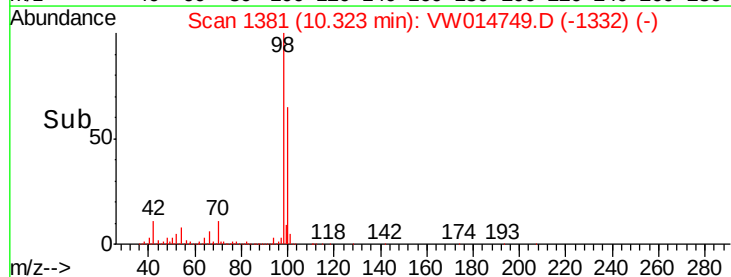
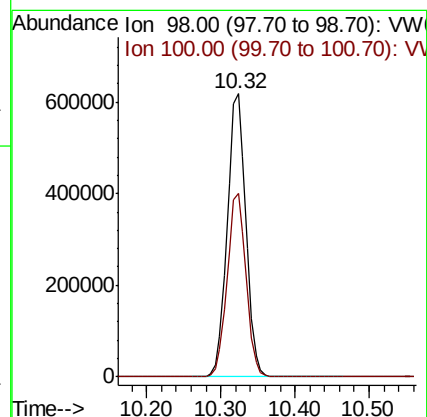
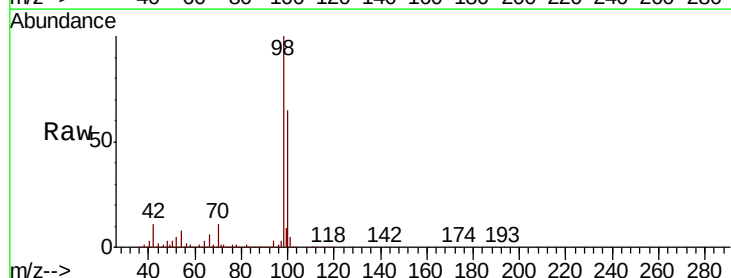
Instrument :
MSVOA_W
ClientSampleId :
20200064-AMENDED-COMP-2

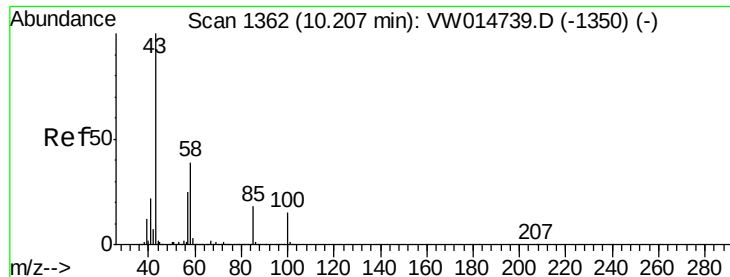
Tot Ion:117 Resp: 53893
Ion Ratio Lower Upper
117 100
119 4.9 77.5 116.3#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 49.286 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

Tgt Ion: 98 Resp: 1077158
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0

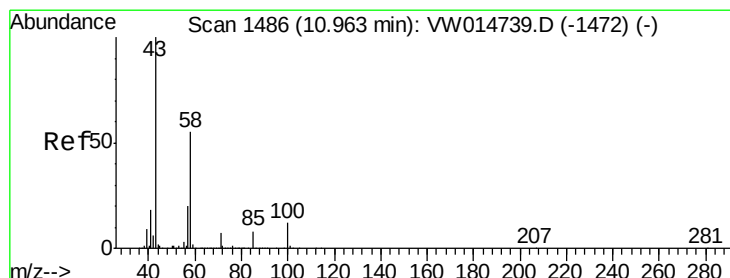
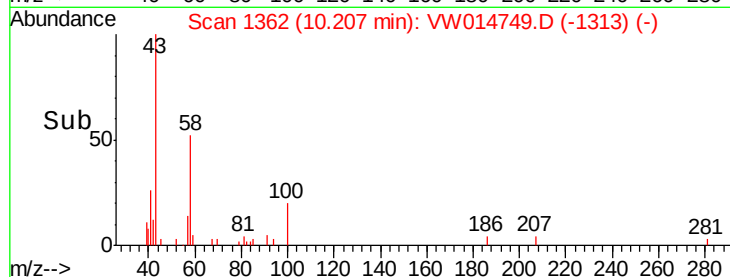
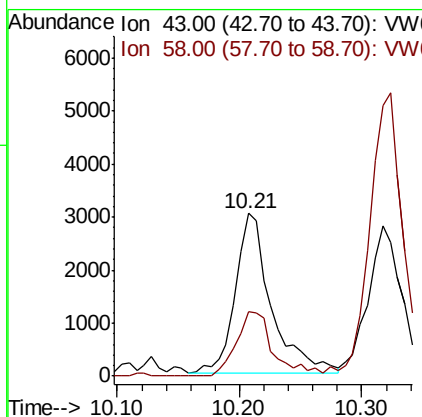
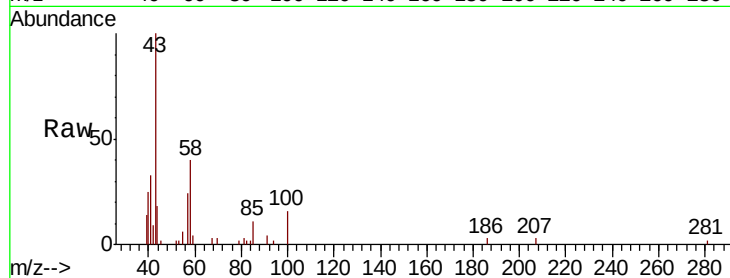




#51
4-Methyl-2-Pentanone
Concen: 1.563 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

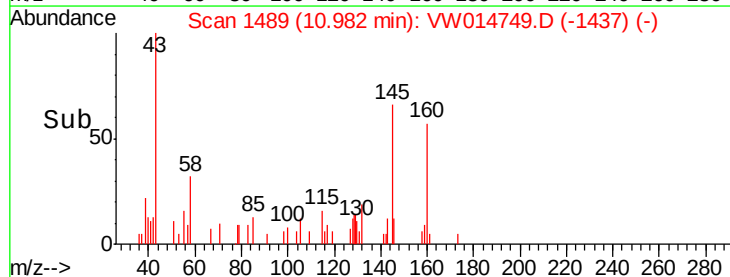
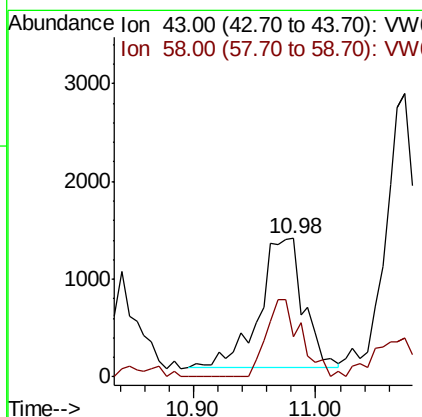
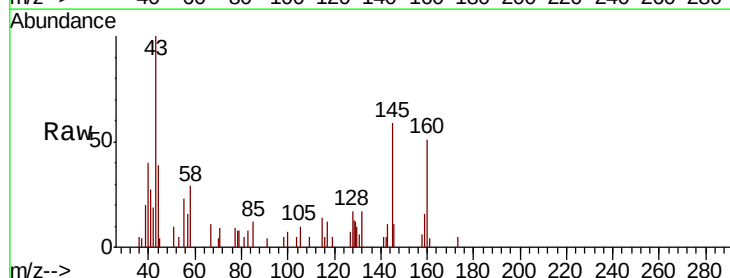
Instrument :
MSVOA_W
ClientSampleId :
20200064-AMENDED-COMP-2

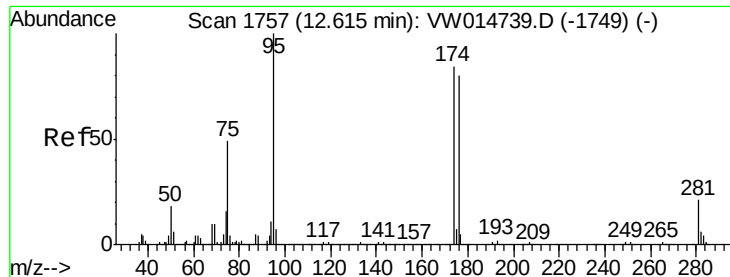
Tot Ion: 43 Resp: 6047
Ion Ratio Lower Upper
43 100
58 42.1 31.4 47.0



#59
2-Hexanone
Concen: 1.271 ug/l
RT: 10.98 min Scan# 1489
Delta R.T. 0.02 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

Tgt Ion: 43 Resp: 3313
Ion Ratio Lower Upper
43 100
58 47.1 27.3 81.8





#62

4-Bromofluorobenzene

Concen: 45.700 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014749.D

Acq: 24 Jan 2020 17:25

Instrument :

MSVOA_W

ClientSampleId :

20200064-AMENDED-COMP-2

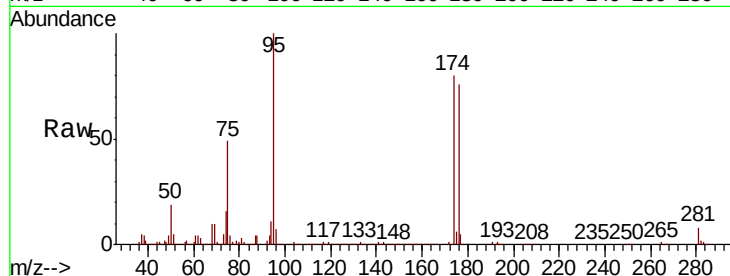
Tot Ion: 95 Resp: 333938

Ion Ratio Lower Upper

95 100

174 80.7 0.0 163.0

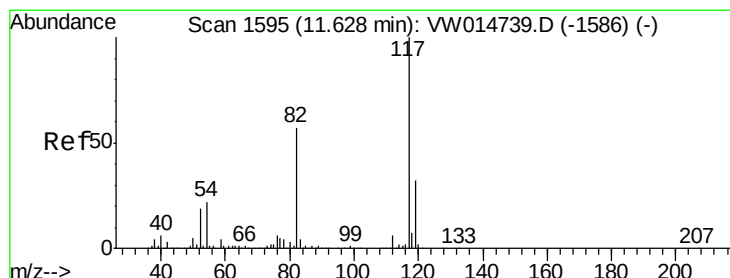
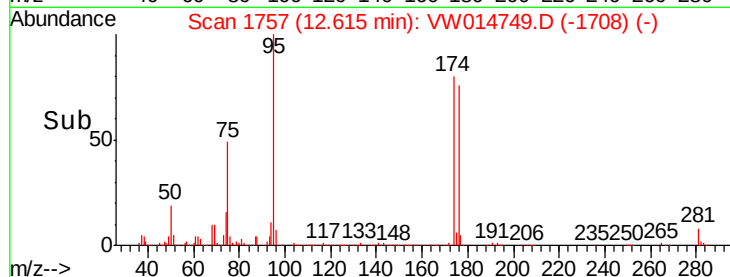
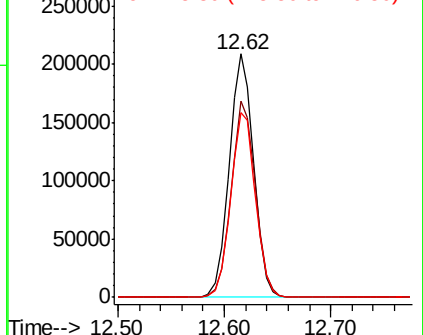
176 76.9 0.0 159.2



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: VW014749.D

Acq: 24 Jan 2020 17:25

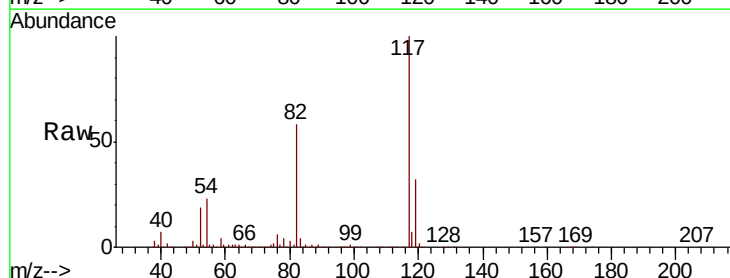
Tgt Ion: 117 Resp: 769033

Ion Ratio Lower Upper

117 100

82 58.4 45.9 68.9

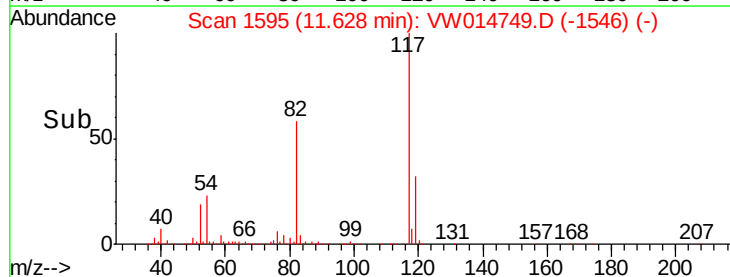
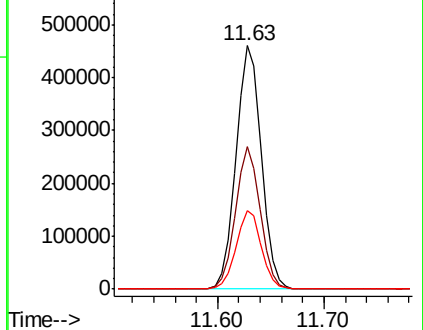
119 32.0 25.7 38.5

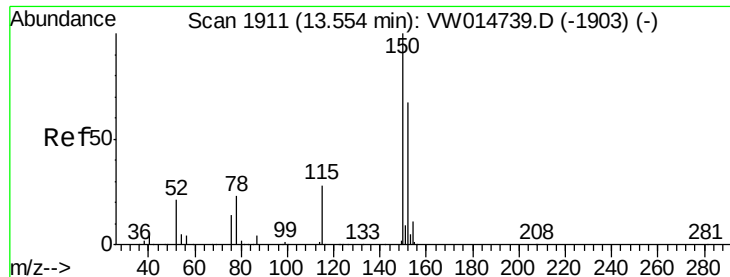


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

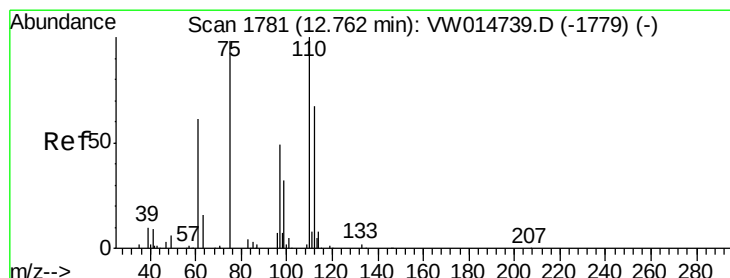
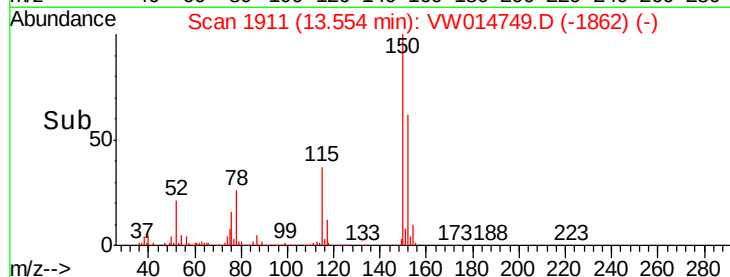
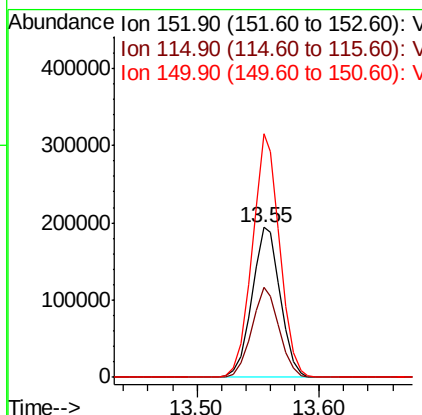
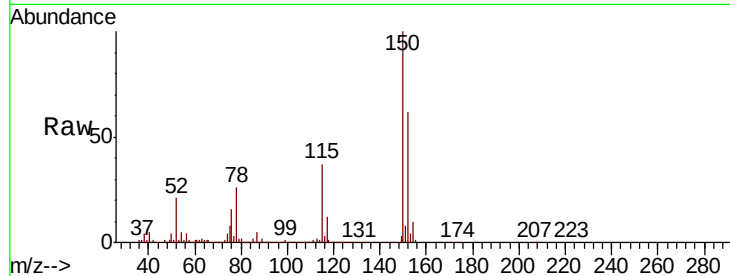




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. 0.00 min
 Lab File: VW014749.D
 Acq: 24 Jan 2020 17:25

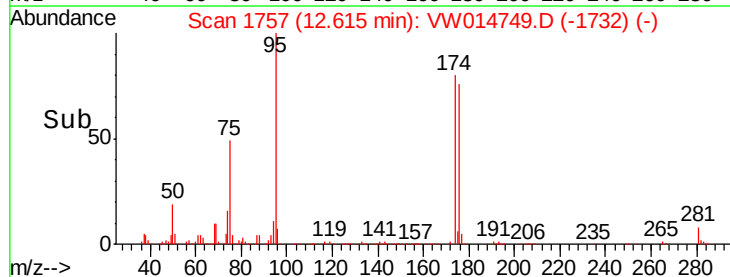
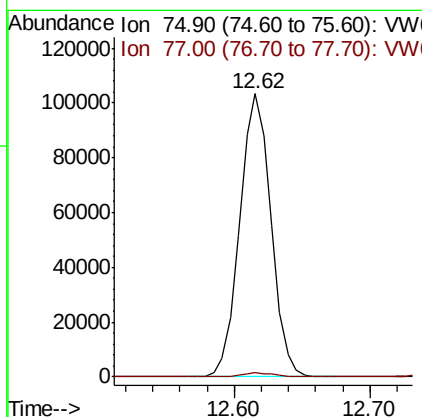
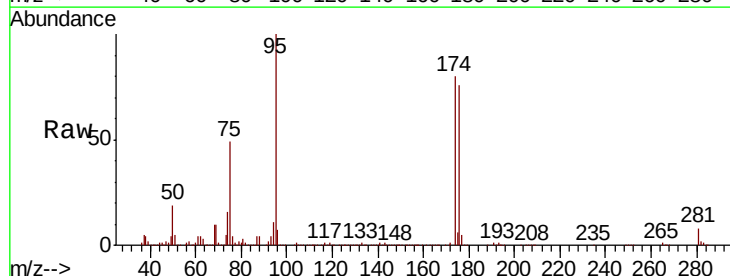
Instrument :
 MSVOA_W
 ClientSampleId :
 20200064-AMENDED-COMP-2

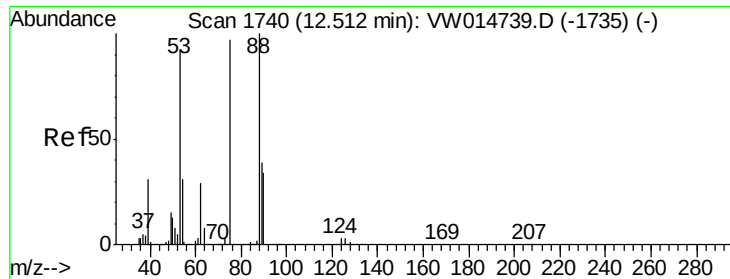
Tot Ion:152 Resp: 312474
 Ion Ratio Lower Upper
 152 100
 115 57.8 29.0 87.1
 150 156.1 0.0 354.0



#76
 1,2,3-Trichloropropane
 Concen: 53.402 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014749.D
 Acq: 24 Jan 2020 17:25

Tgt Ion: 75 Resp: 165674
 Ion Ratio Lower Upper
 75 100
 77 1.4 167.9 503.9#

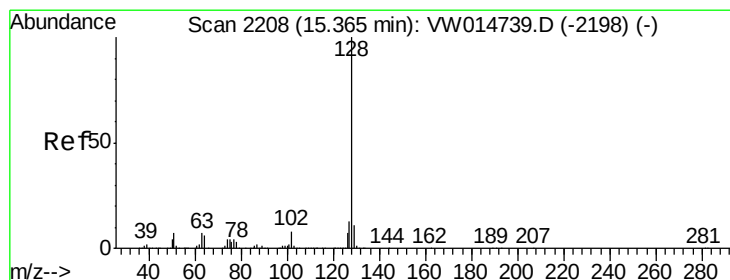
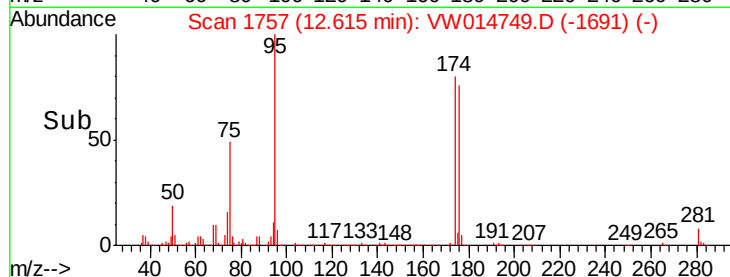
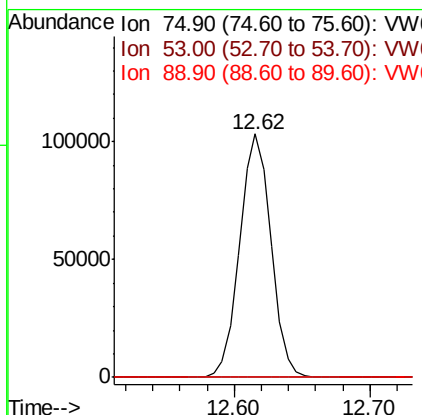
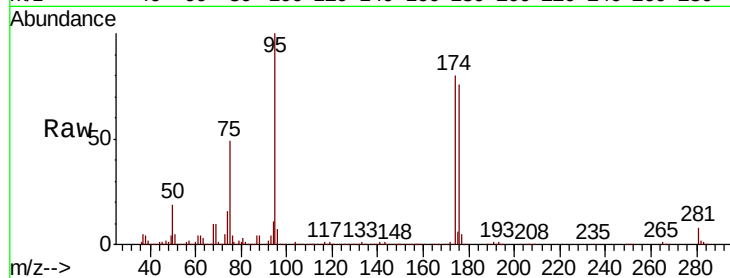




#81
trans-1,4-Dichloro-2-butene
Concen: 126.387 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

Instrument :
MSVOA_W
ClientSampleId :
20200064-AMENDED-COMP-2

Tot Ion: 75 Resp: 165674
Ion Ratio Lower Upper
75 100
53 0.2 77.0 115.4#
89 0.0 35.2 52.8#



#95
Naphthalene
Concen: 1.370 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014749.D
Acq: 24 Jan 2020 17:25

Tgt Ion: 128 Resp: 4232
Ion Ratio Lower Upper
128 100
127 20.3 10.6 15.8#
129 17.7 8.8 13.2#

