

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014751.D
 Acq On : 24 Jan 2020 18:17
 Operator : SY/VA
 Sample : L1242-13
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20200066-AMENDED-COMP-4

Quant Time: Jan 25 06:10:40 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	540127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	895303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	731656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	289707	50.00	ug/l	0.00

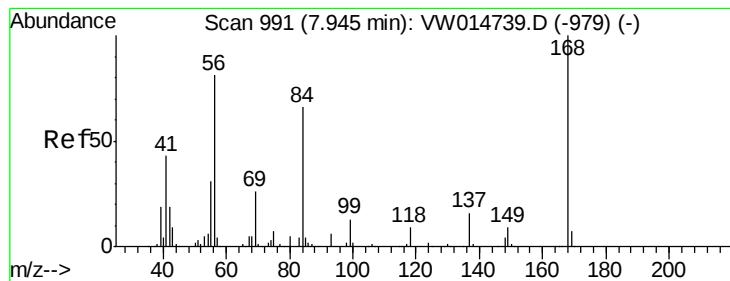
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	306870	58.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.98%	
35) Dibromofluoromethane	7.88	113	87116	16.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.44%	
50) Toluene-d8	10.32	98	1038414	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.62	95	321854	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.15	59	6477	17.327	ug/l	100
13) Acrolein	3.89	56	1289	3.095	ug/l #	15
16) Acetone	4.11	43	138176	105.687	ug/l	98
17) Carbon Disulfide	4.38	76	234866	13.224	ug/l	99
20) Methylene Chloride	4.91	84	10567	Below Cal		97
25) 2-Butanone	7.17	43	41333	24.020	ug/l	100
26) 2,2-Dichloropropane	7.14	77	7207	1.226	ug/l #	51
29) Tetrahydrofuran	7.53	42	1319	1.212	ug/l #	83
31) Cyclohexane	7.95	56	13017	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	41922	4.618	ug/l #	50
37) Ethyl Acetate	7.17	43	41333	10.243	ug/l #	69
38) Carbon Tetrachloride	7.94	117	50348	6.368	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	6112	1.607	ug/l	96
59) 2-Hexanone	10.97	43	3165	1.235	ug/l	90
73) Isopropylbenzene	12.46	105	23382	1.137	ug/l	96
74) N-amyl acetate	12.24	43	5980	1.221	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	158382	55.063	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	158382	130.319	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.25	105	22334	1.278	ug/l	92
95) Naphthalene	15.36	128	40557	5.070	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014751.D

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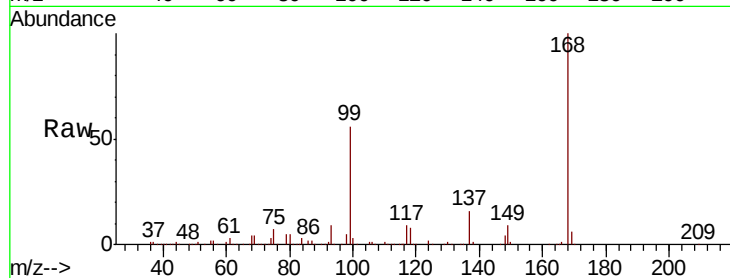
20200066-AMENDED-COMP-4

Tot Ion:168 Resp: 540127

Ion Ratio Lower Upper

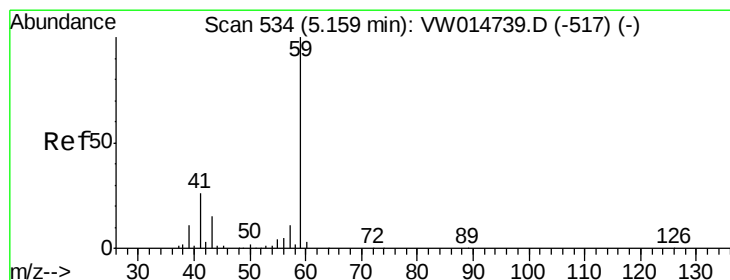
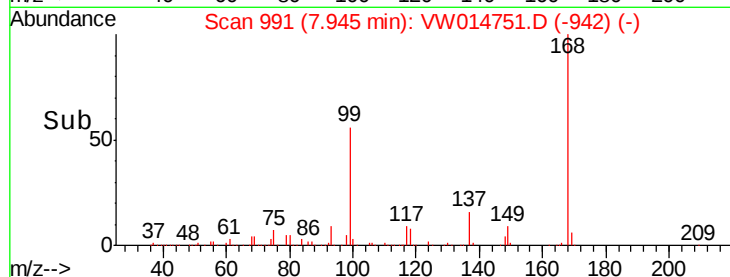
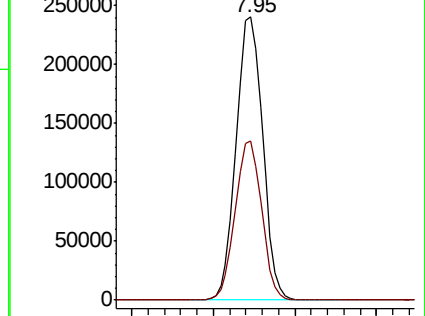
168 100

99 56.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 17.327 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014751.D

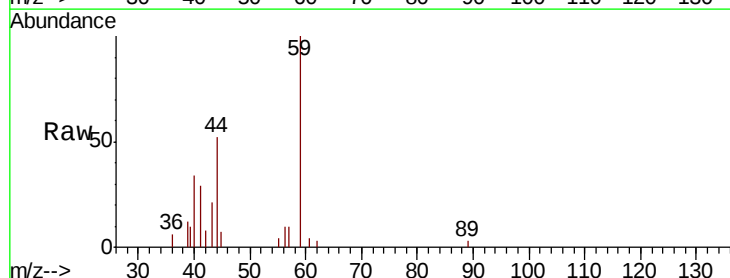
Acq: 24 Jan 2020 18:17

Tgt Ion: 59 Resp: 6477

Ion Ratio Lower Upper

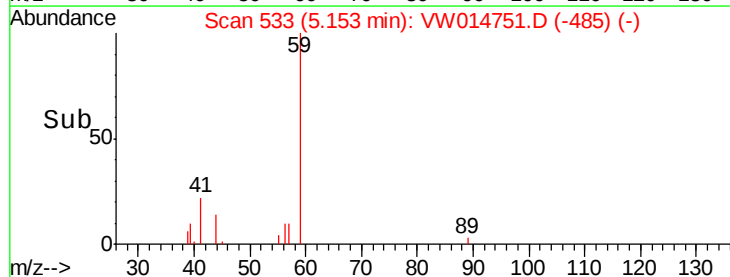
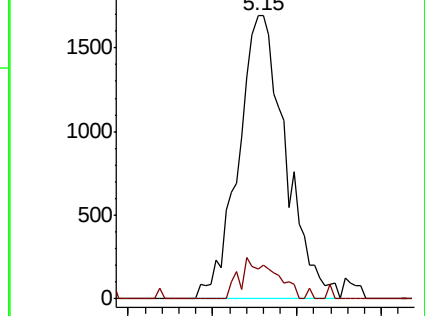
59 100

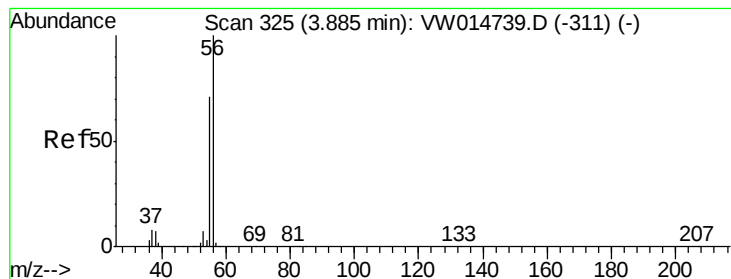
57 10.8 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.095 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW014751.D

Acq: 24 Jan 2020 18:17

Instrument :

MSVOA_W

ClientSampleId :

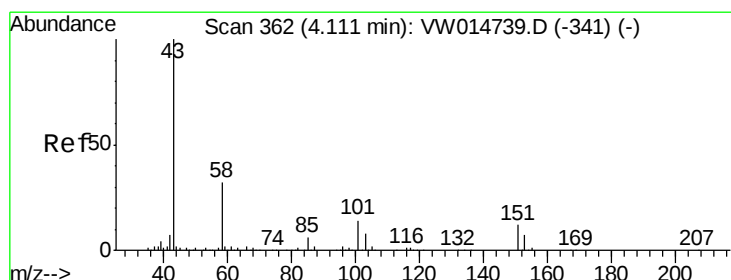
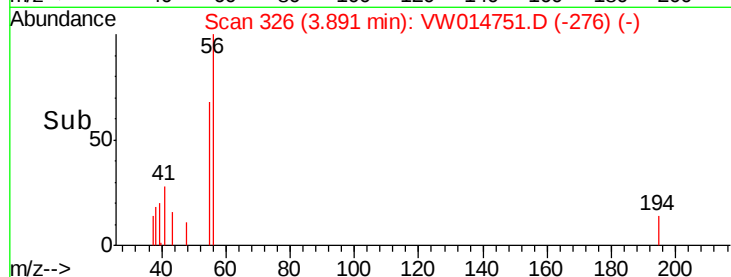
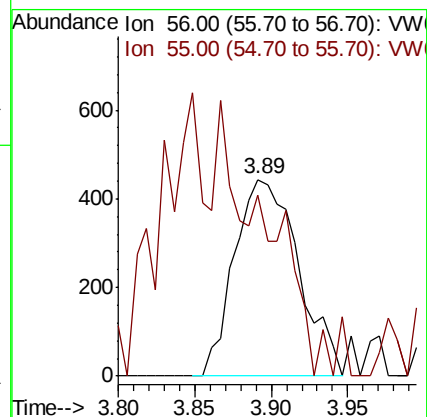
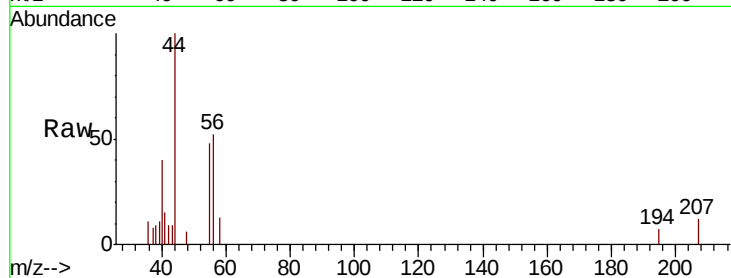
20200066-AMENDED-COMP-4

Tot Ion: 56 Resp: 1289

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#16

Acetone

Concen: 105.687 ug/l

RT: 4.11 min Scan# 362

Delta R.T. 0.00 min

Lab File: VW014751.D

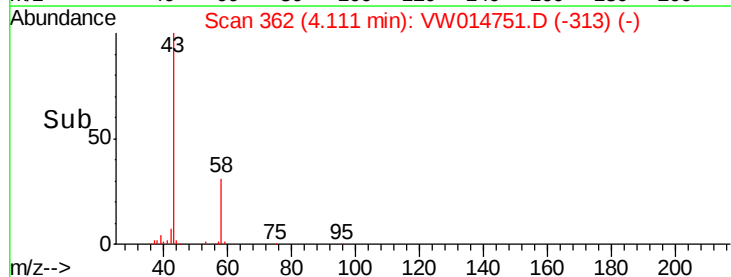
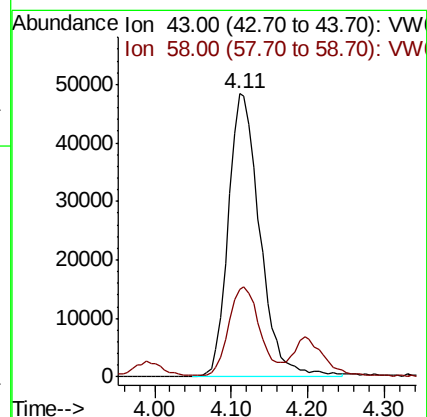
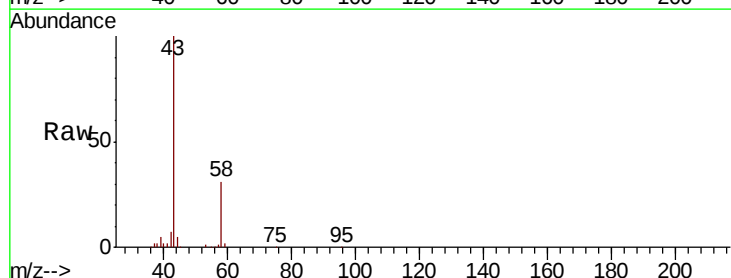
Acq: 24 Jan 2020 18:17

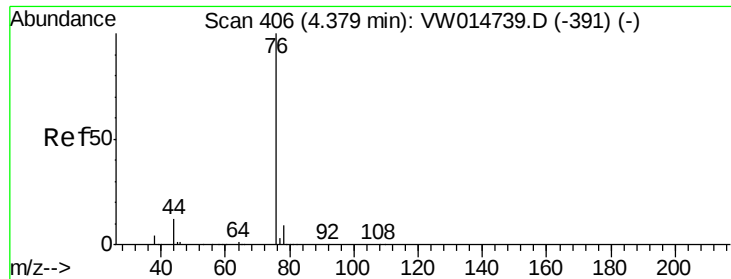
Tgt Ion: 43 Resp: 138176

Ion Ratio Lower Upper

43 100

58 30.7 25.6 38.4

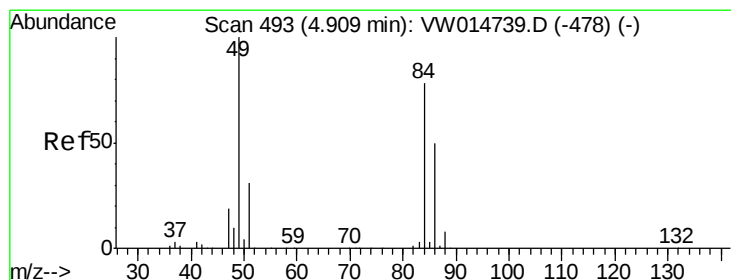
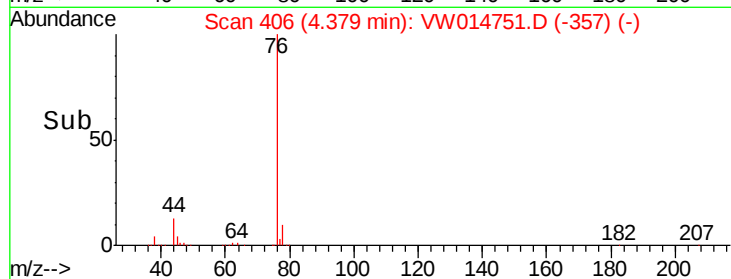
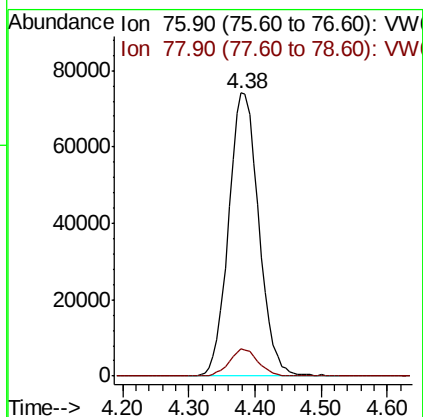
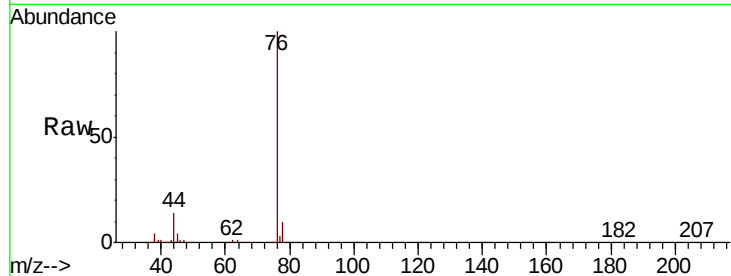




#17
Carbon Disulfide
Concen: 13.224 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

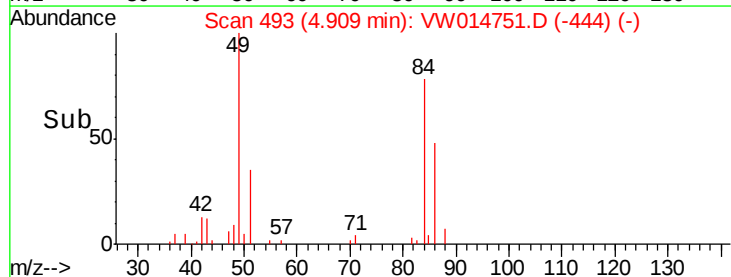
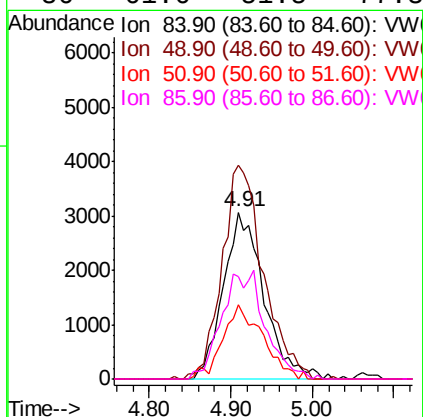
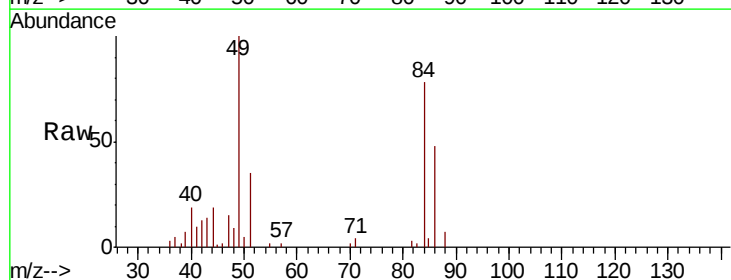
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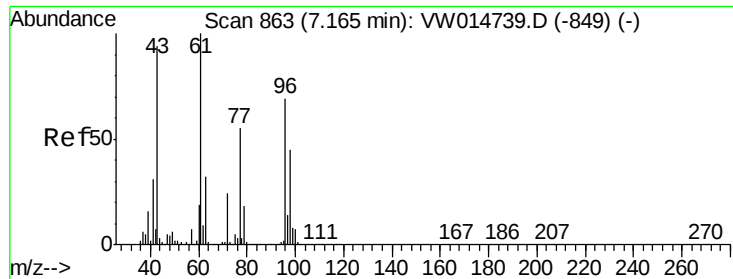
Tot Ion: 76 Resp: 234866
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

Tgt Ion: 84 Resp: 10567
Ion Ratio Lower Upper
84 100
49 127.9 103.1 154.7
51 44.2 32.1 48.1
86 61.6 51.5 77.3

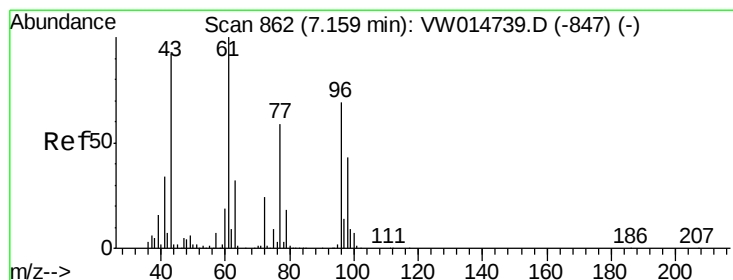
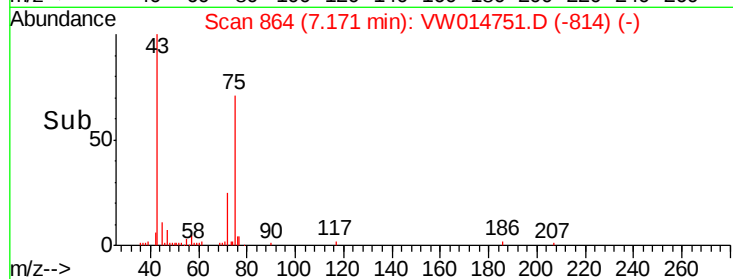
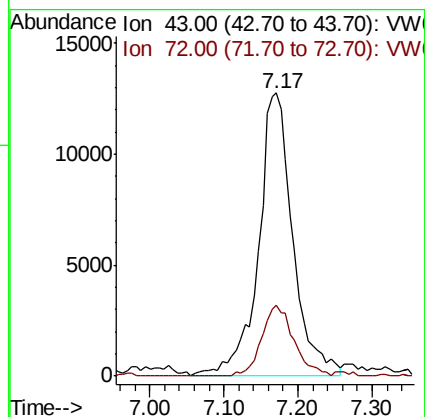
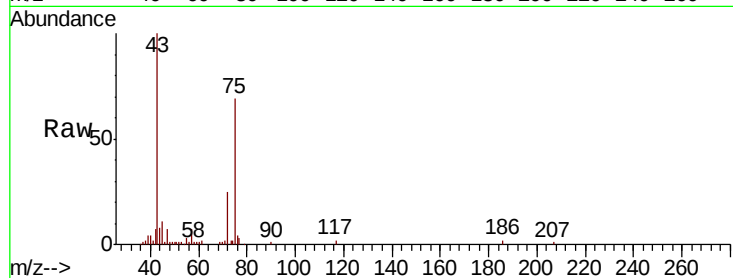




#25
2-Butanone
Concen: 24.020 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

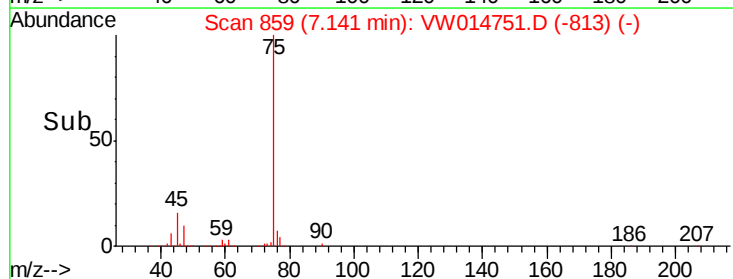
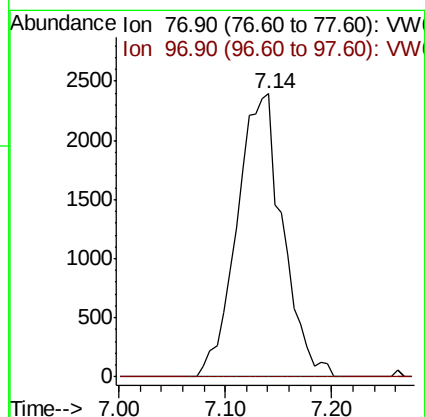
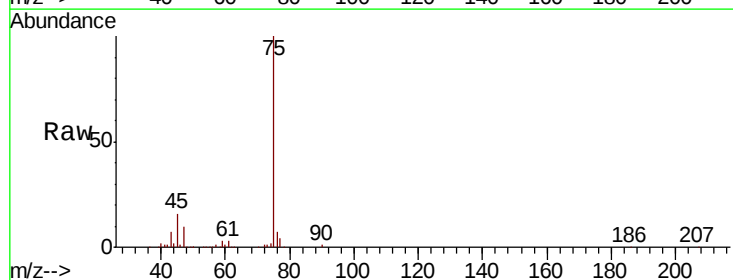
Instrument :
MSVOA_W
ClientSampleId :
20200066-AMENDED-COMP-4

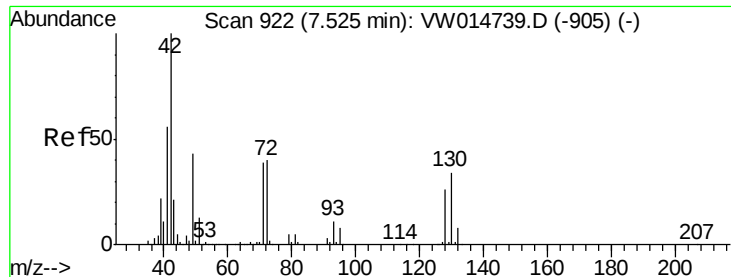
Tot Ion: 43 Resp: 41333
Ion Ratio Lower Upper
43 100
72 25.2 20.2 30.4



#26
2,2-Dichloropropane
Concen: 1.226 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

Tgt Ion: 77 Resp: 7207
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.9#

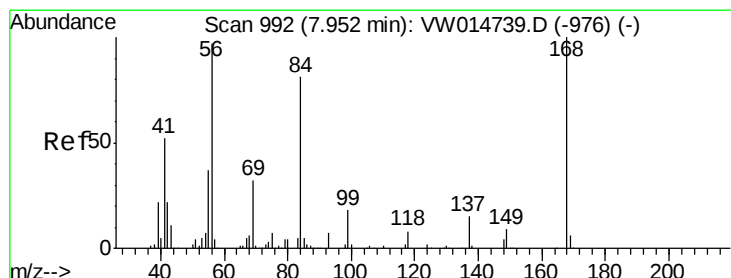
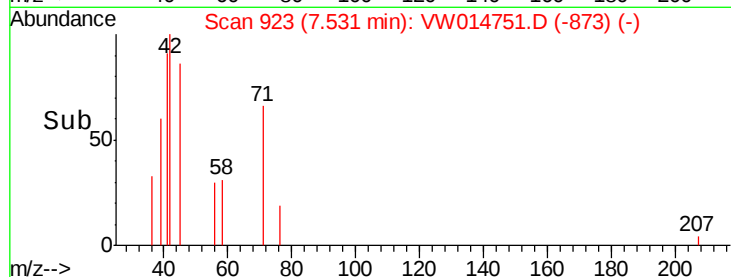
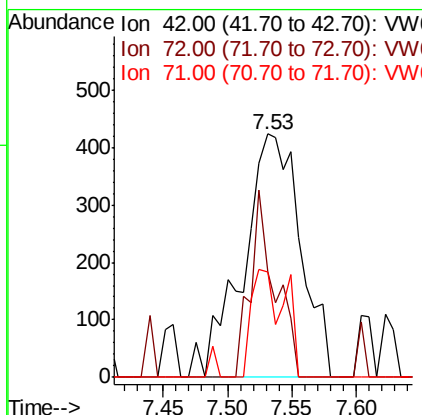
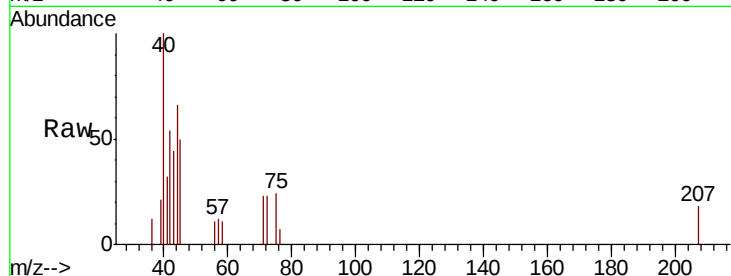




#29
Tetrahydrofuran
Concen: 1.212 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

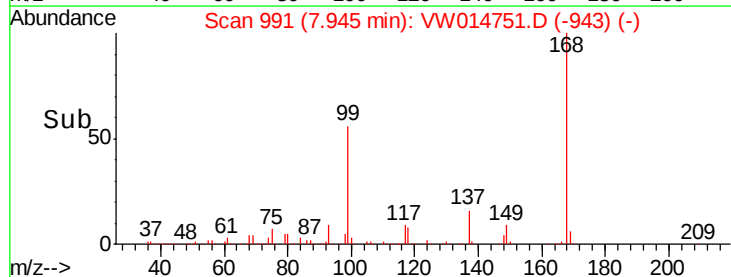
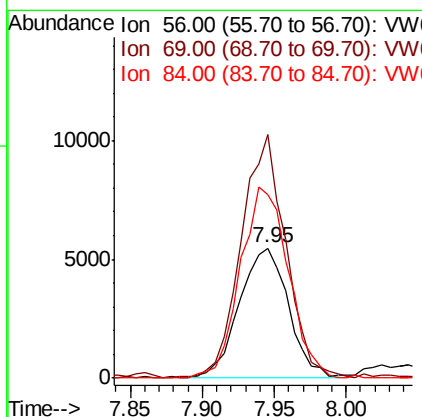
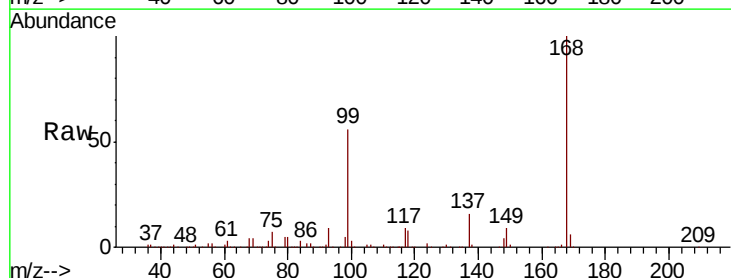
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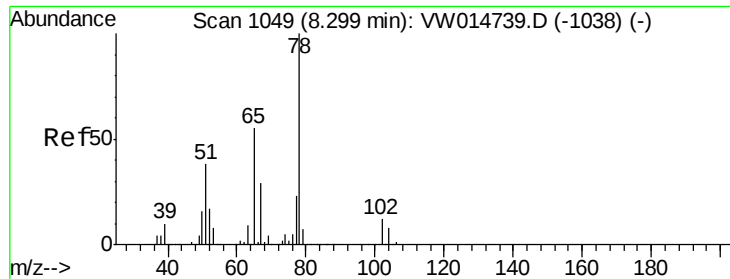
Tot Ion: 42 Resp: 1319
Ion Ratio Lower Upper
42 100
72 32.5 32.3 48.5
71 25.1 31.0 46.4#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

Tgt Ion: 56 Resp: 13017
Ion Ratio Lower Upper
56 100
69 185.4 26.0 39.0#
84 140.5 66.6 99.8#

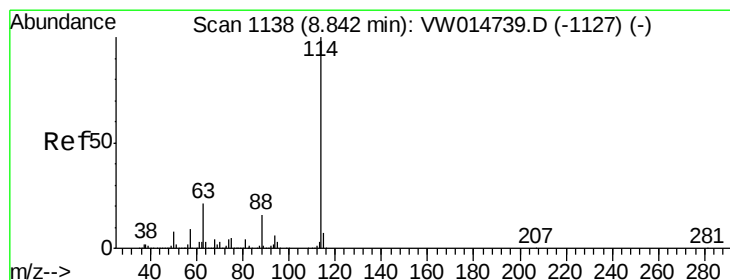
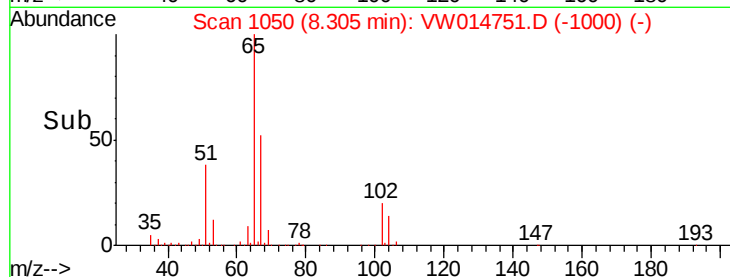
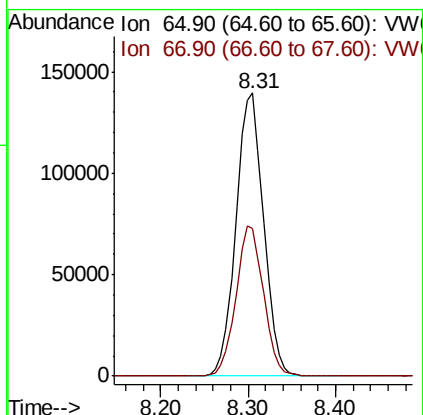
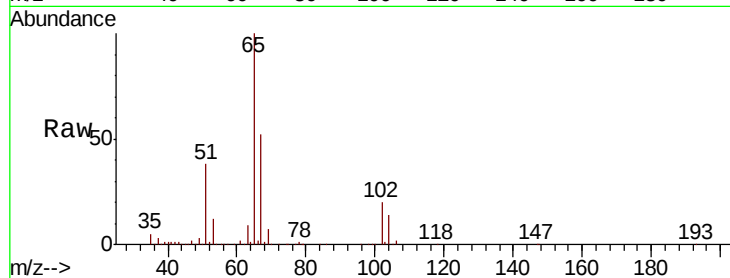




#33
 1,2-Dichloroethane-d4
 Concen: 58.989 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW014751.D
 Acq: 24 Jan 2020 18:17

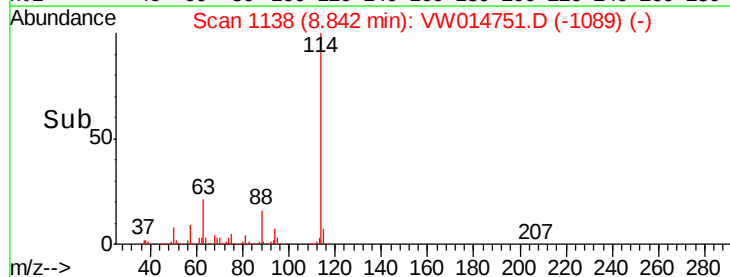
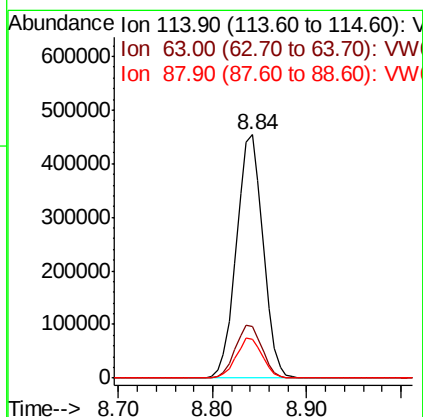
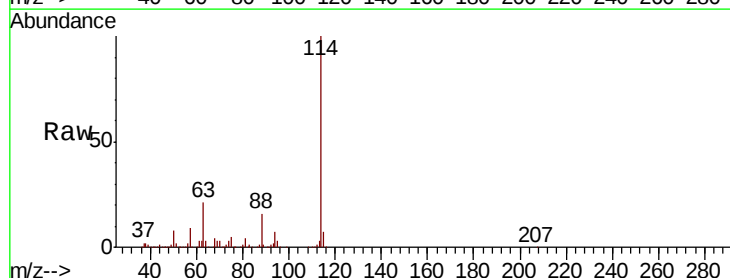
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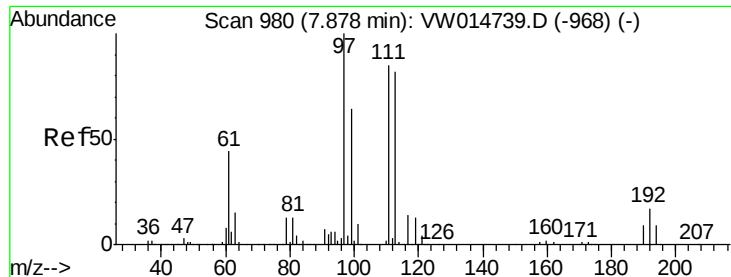
Tot Ion: 65 Resp: 306870
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014751.D
 Acq: 24 Jan 2020 18:17

Tgt Ion: 114 Resp: 895303
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.2
 88 16.0 0.0 32.2

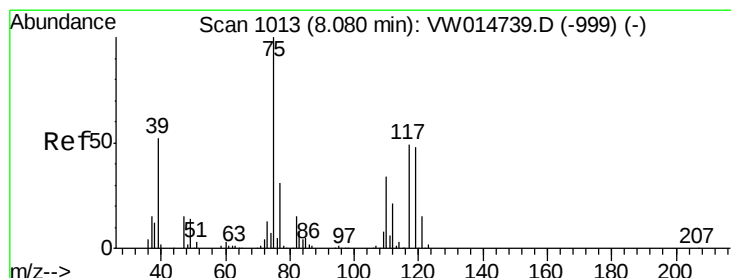
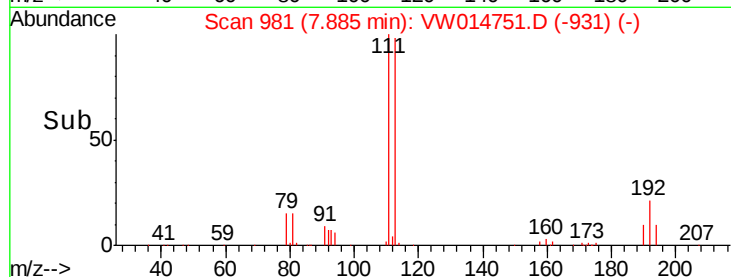
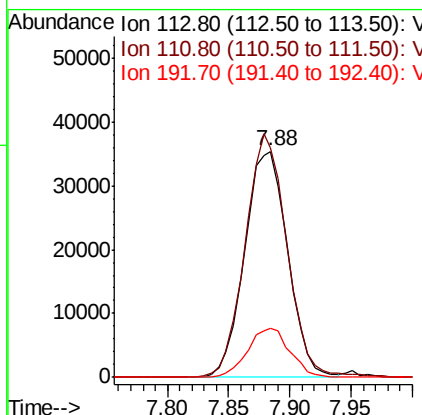
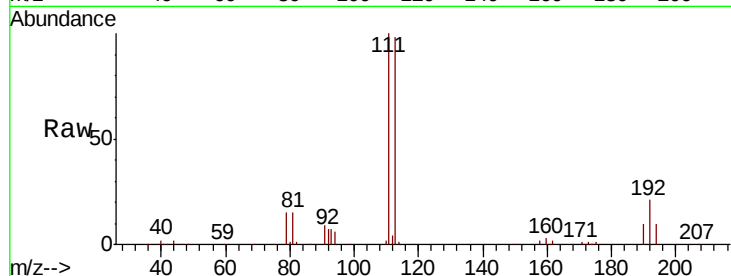




#35
 Dibromofluoromethane
 Concen: 16.716 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014751.D
 Acq: 24 Jan 2020 18:17

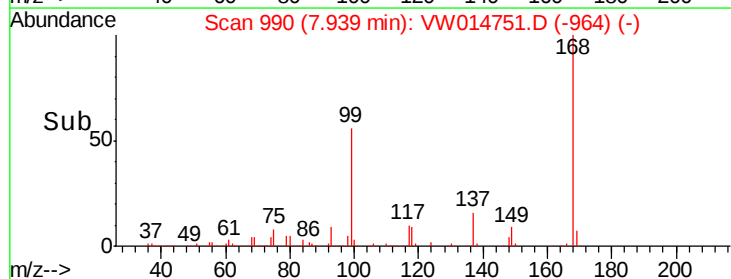
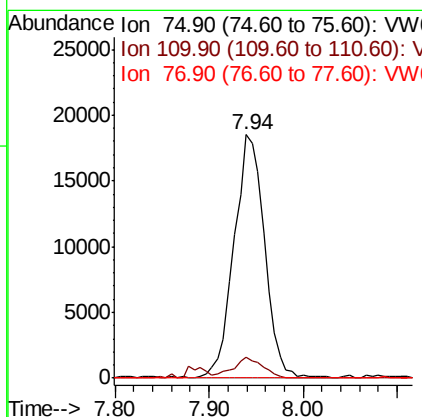
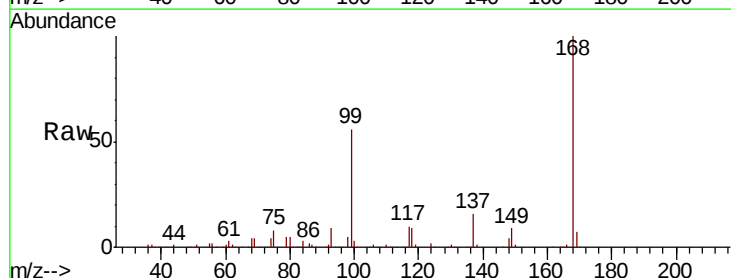
Instrument :
 MSVOA_W
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 20200066-AMENDED-COMP-4

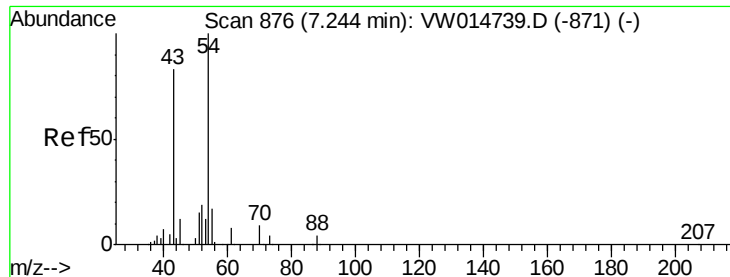
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.2
192	21.2	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.618 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014751.D
 Acq: 24 Jan 2020 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.1	51.2#
77	0.0	24.8	37.2#

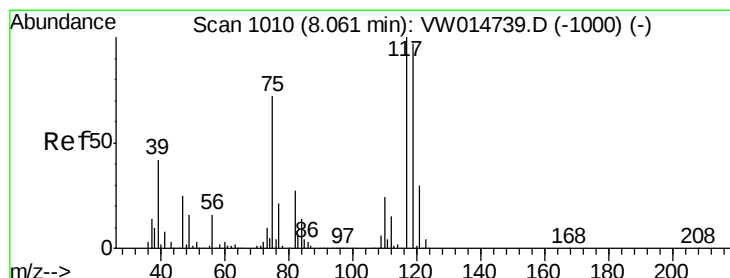
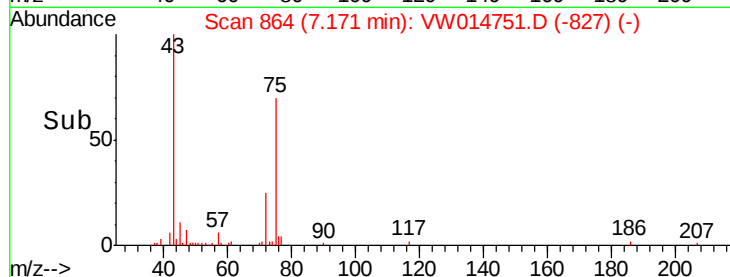
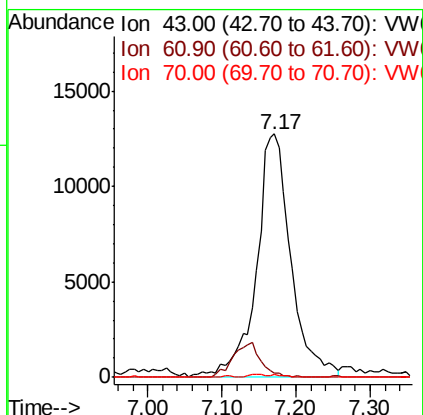
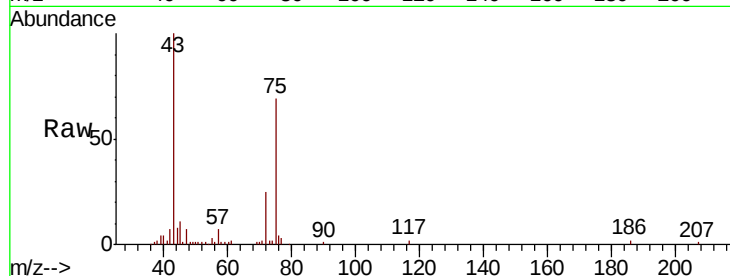




#37
Ethyl Acetate
Concen: 10.243 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.07 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

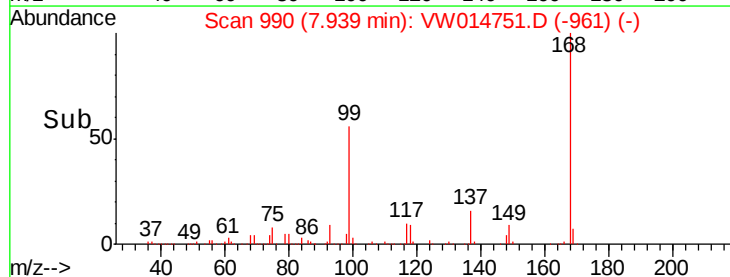
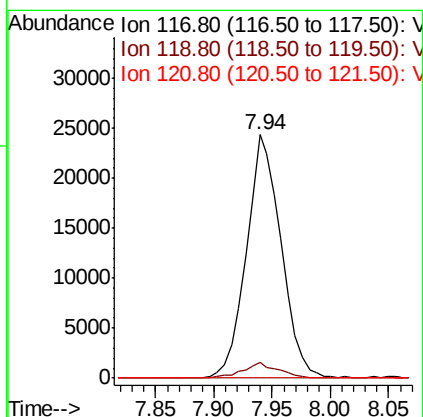
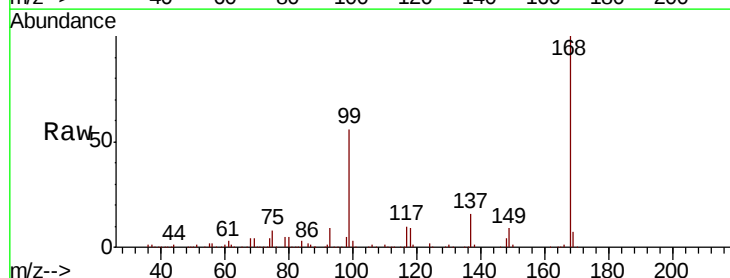
Instrument :
MSVOA_W
ClientSampleId :
20200066-AMENDED-COMP-4

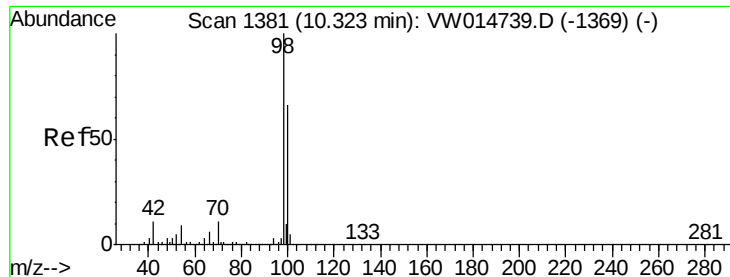
Tot Ion: 43 Resp: 41333
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 6.368 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.12 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

Tgt Ion: 117 Resp: 50348
Ion Ratio Lower Upper
117 100
119 6.3 77.5 116.3#
121 0.0 24.3 36.5#

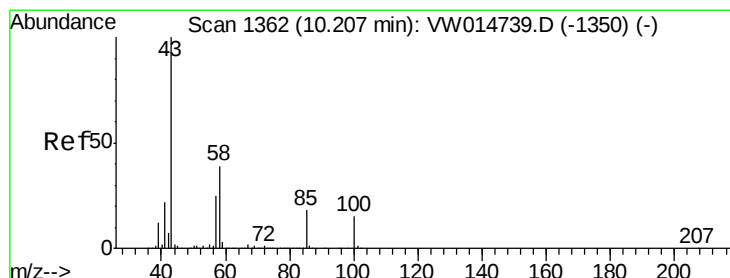
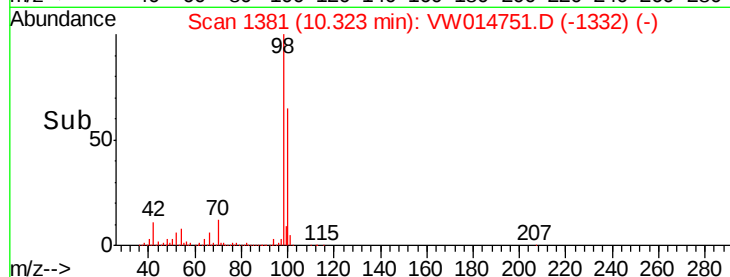
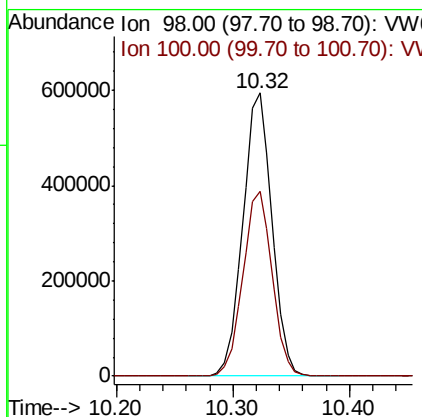
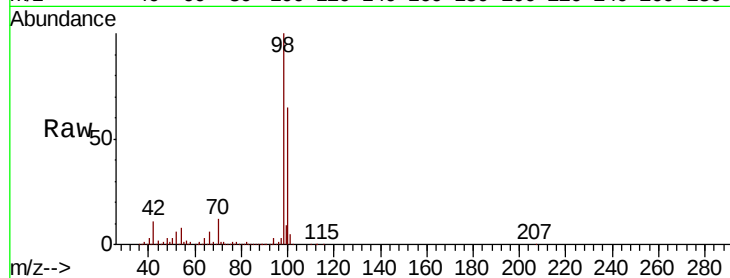




#50
Toluene-d8
Concen: 48.322 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

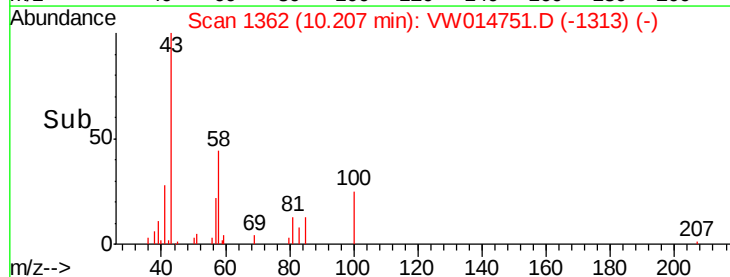
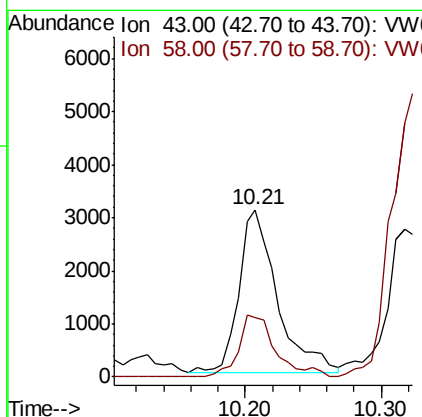
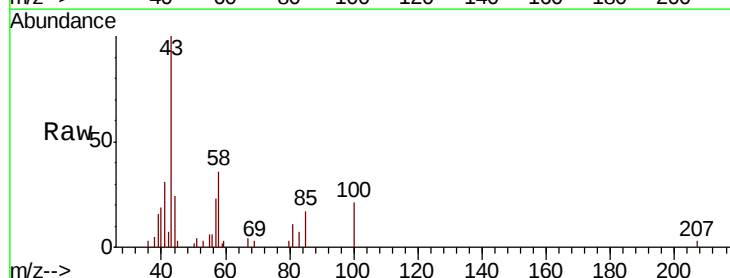
Instrument :
MSVOA_W
ClientSampleId :
20200066-AMENDED-COMP-4

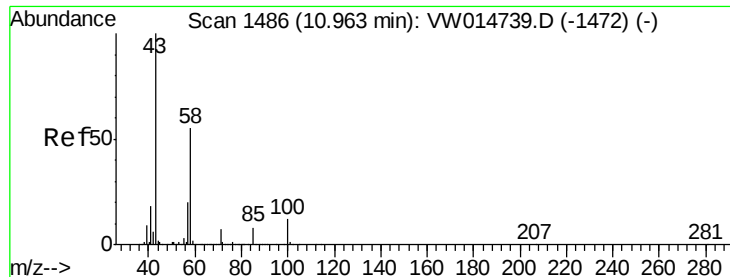
Tot Ion: 98 Resp: 1038414
Ion Ratio Lower Upper
98 100
100 65.5 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 1.607 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

Tgt Ion: 43 Resp: 6112
Ion Ratio Lower Upper
43 100
58 36.5 31.4 47.0

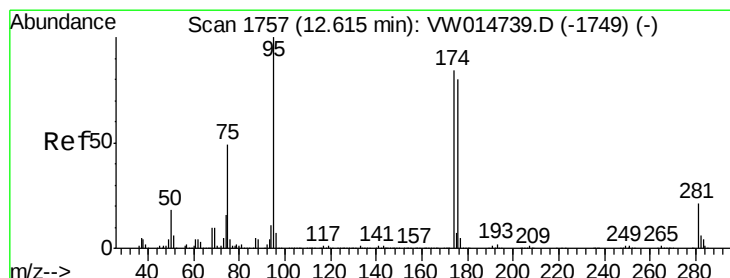
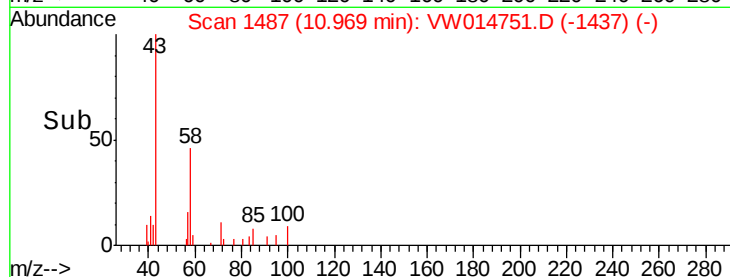
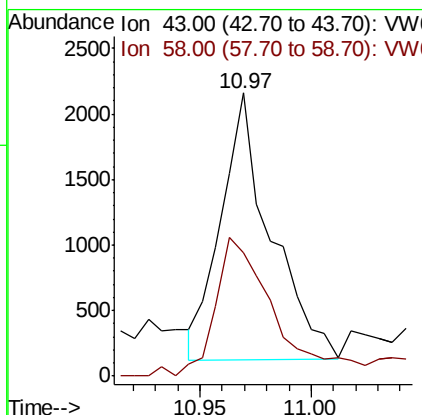
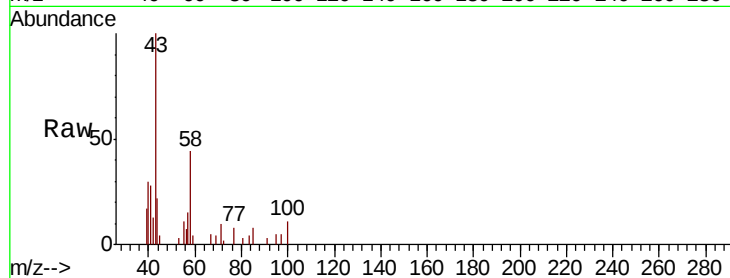




#59
2-Hexanone
Concen: 1.235 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

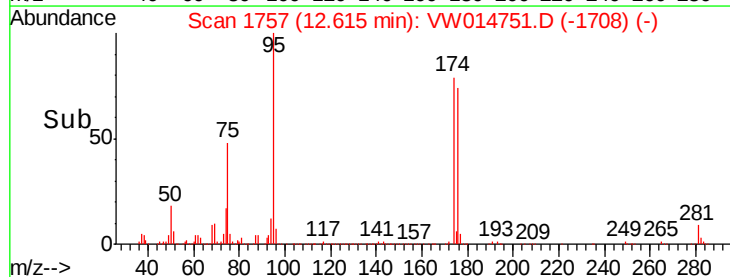
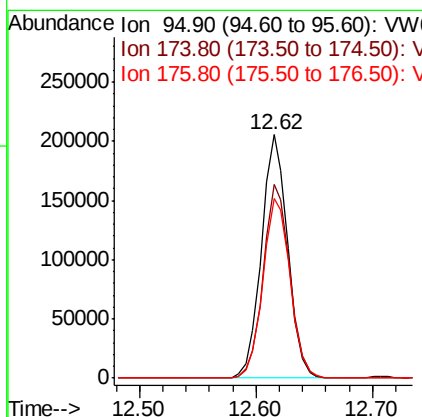
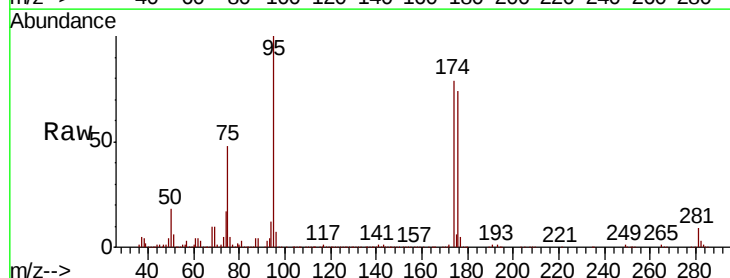
Instrument :
MSVOA_W
ClientSampleId :
20200066-AMENDED-COMP-4

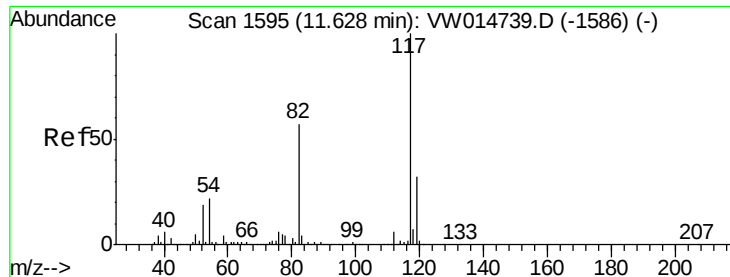
Tot Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
58 61.6 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 44.796 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014751.D
Acq: 24 Jan 2020 18:17

Tgt Ion: 95 Resp: 321854
Ion Ratio Lower Upper
95 100
174 80.5 0.0 163.0
176 76.7 0.0 159.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014751.D

Acq: 24 Jan 2020 18:17

Instrument :

MSVOA_W

ClientSampleId :

20200066-AMENDED-COMP-4

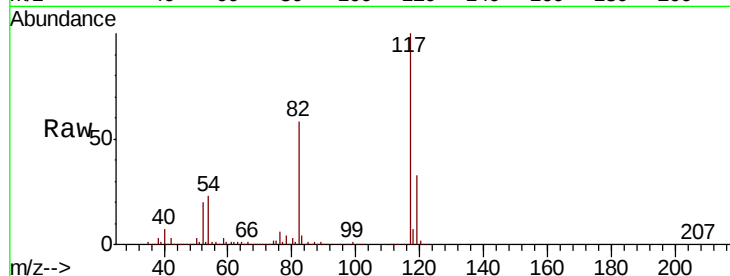
Tot Ion:117 Resp: 731656

Ion Ratio Lower Upper

117 100

82 58.3 45.9 68.9

119 33.2 25.7 38.5

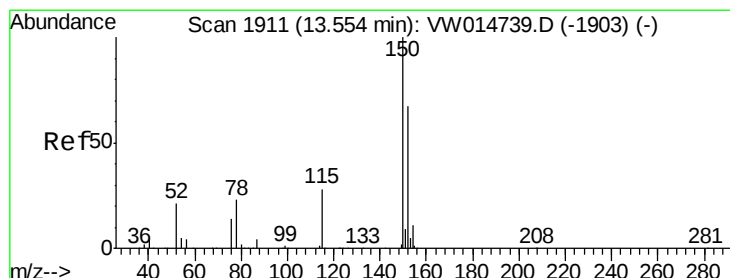
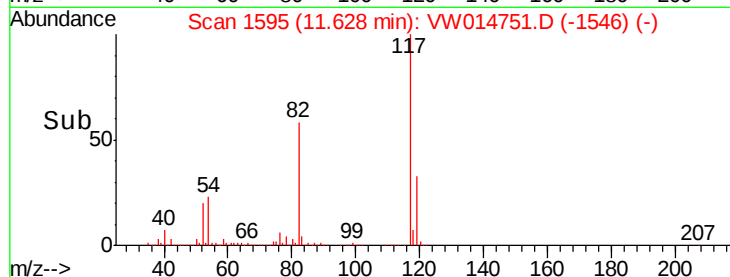
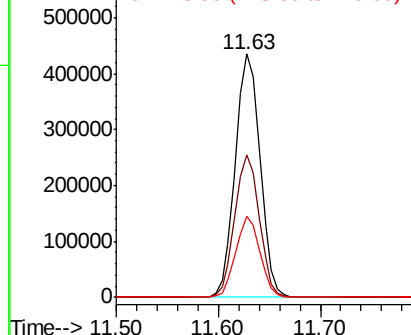


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014751.D

Acq: 24 Jan 2020 18:17

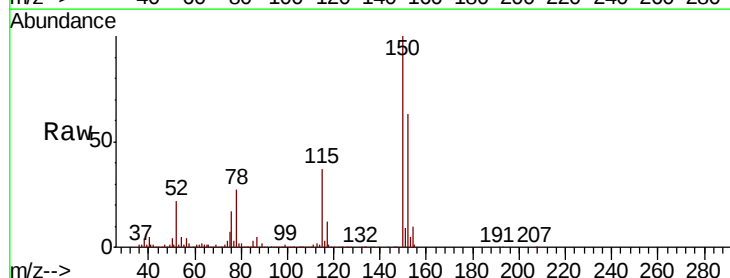
Tgt Ion:152 Resp: 289707

Ion Ratio Lower Upper

152 100

115 58.8 29.0 87.1

150 159.0 0.0 354.0

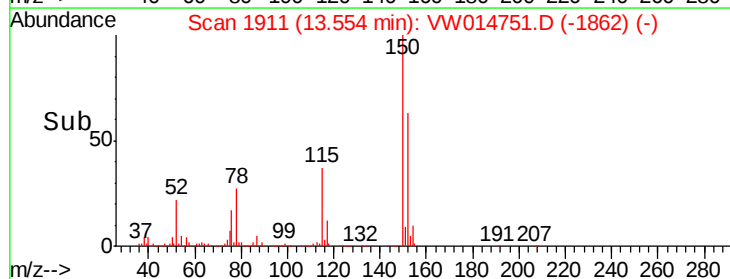
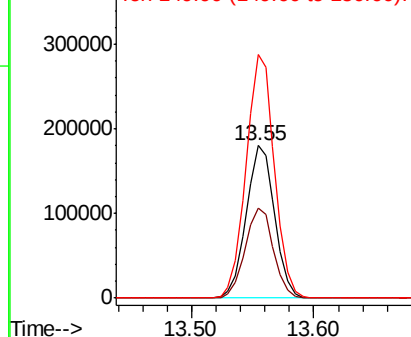


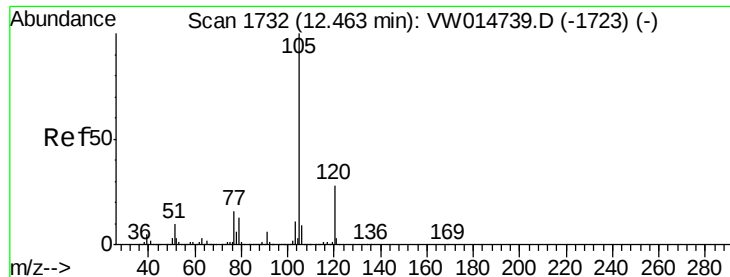
Abundance

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





#73

Isopropylbenzene

Concen: 1.137 ug/l

RT: 12.46 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VW014751.D

Acq: 24 Jan 2020 18:17

Instrument :

MSVOA_W

ClientSampleId :

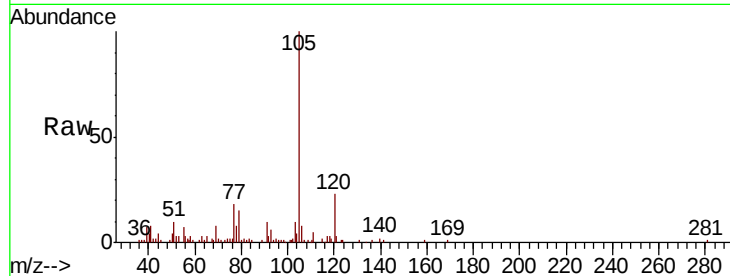
20200066-AMENDED-COMP-4

Tot Ion:105 Resp: 23382

Ion Ratio Lower Upper

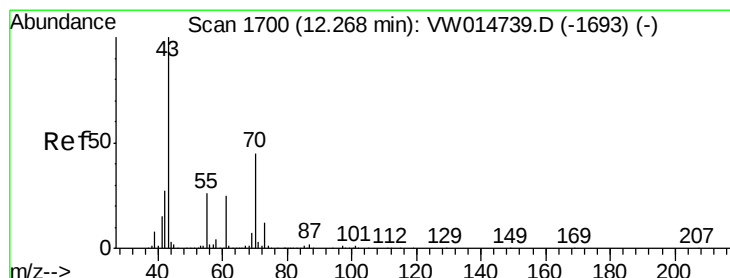
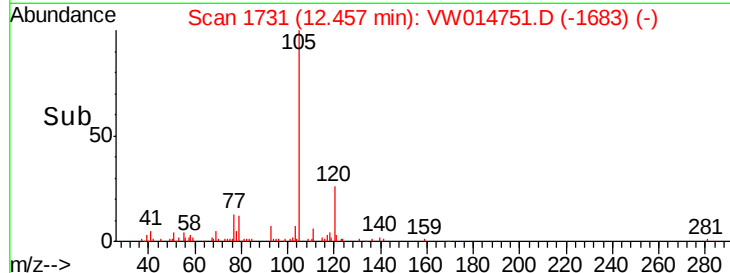
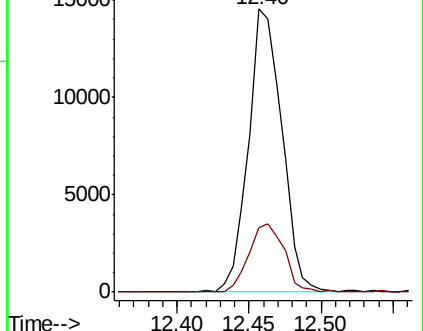
105 100

120 25.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.221 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.03 min

Lab File: VW014751.D

Acq: 24 Jan 2020 18:17

Tgt Ion: 43 Resp: 5980

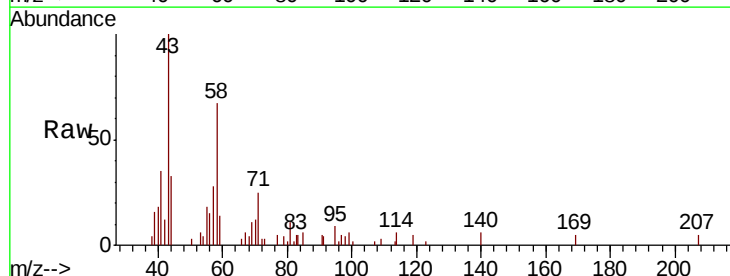
Ion Ratio Lower Upper

43 100

70 12.7 34.6 52.0#

55 15.3 20.6 30.8#

61 0.0 19.4 29.2#

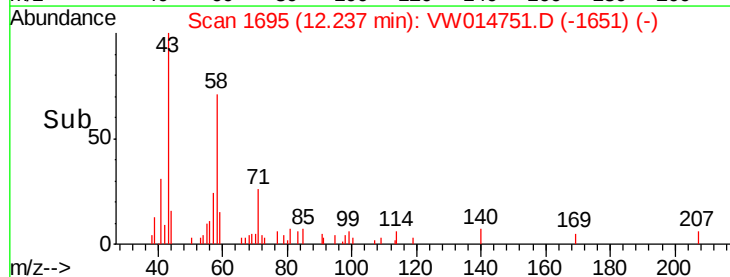
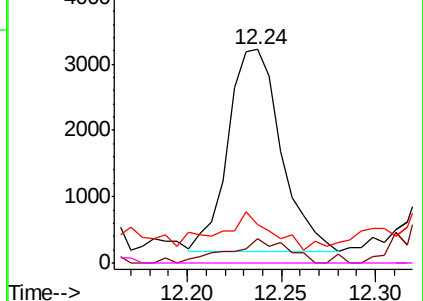


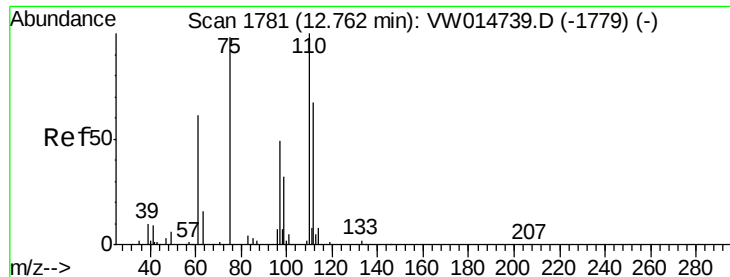
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 55.063 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014751.D

Acq: 24 Jan 2020 18:17

Instrument :

MSVOA_W

ClientSampleId :

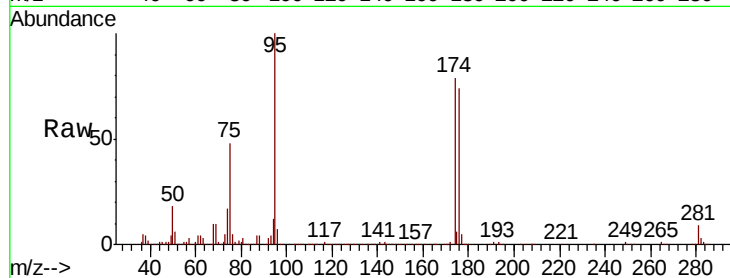
20200066-AMENDED-COMP-4

Tot Ion: 75 Resp: 158382

Ion Ratio Lower Upper

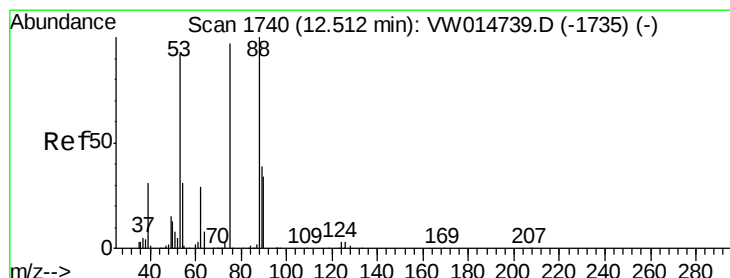
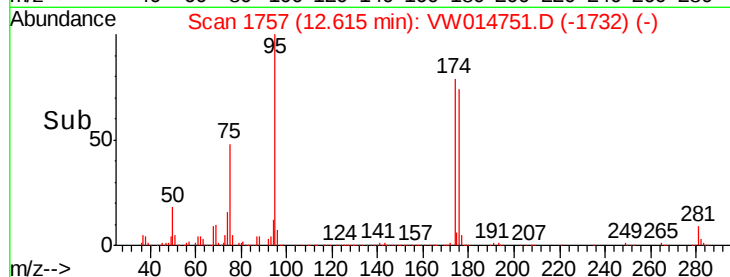
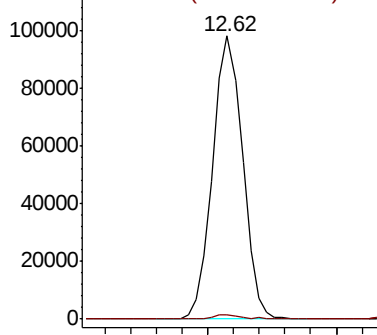
75 100

77 1.5 167.9 503.9#



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: 130.319 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014751.D

Acq: 24 Jan 2020 18:17

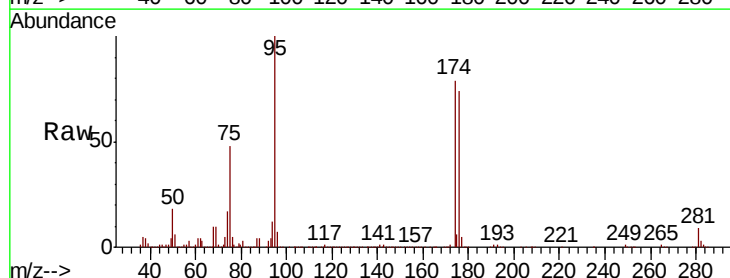
Tgt Ion: 75 Resp: 158382

Ion Ratio Lower Upper

75 100

53 0.3 77.0 115.4#

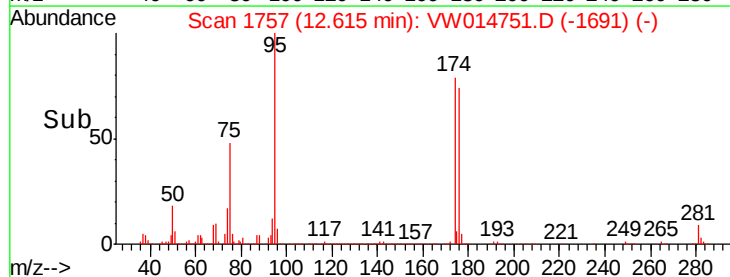
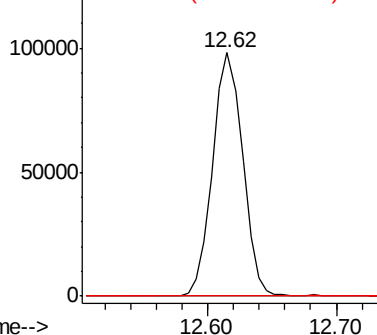
89 0.1 35.2 52.8#

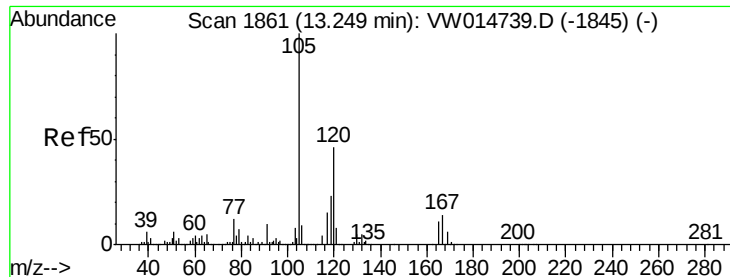


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

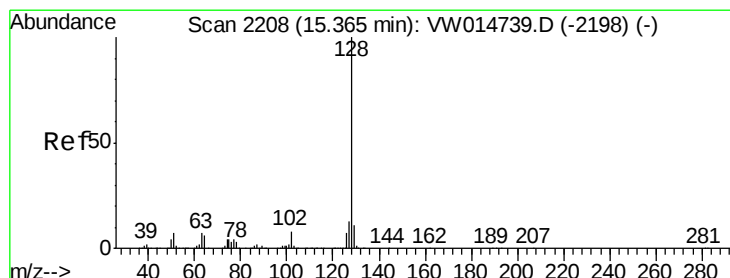
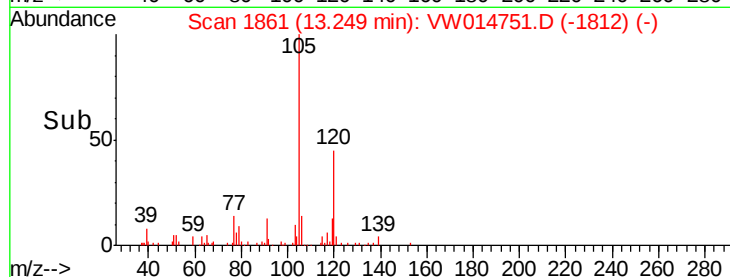
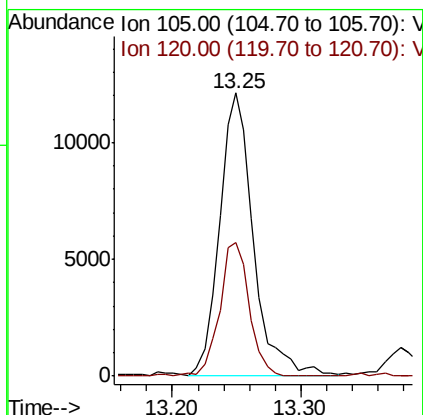
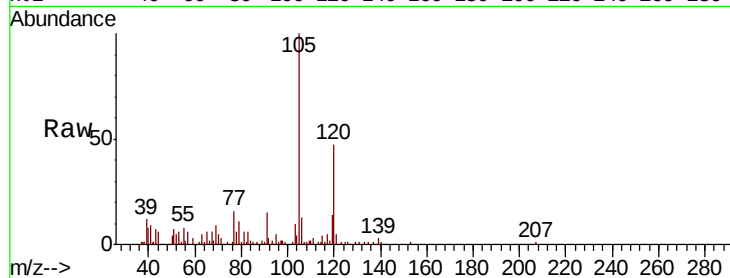




#84
 1,2,4-Trimethylbenzene
 Concen: 1.278 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014751.D
 Acq: 24 Jan 2020 18:17

Instrument :
 MSVOA_W
 ClientSampleId :
 20200066-AMENDED-COMP-4

Tot Ion:105 Resp: 22334
 Ion Ratio Lower Upper
 105 100
 120 41.3 23.3 69.8



#95
 Naphthalene
 Concen: 5.070 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014751.D
 Acq: 24 Jan 2020 18:17

Tgt Ion:128 Resp: 40557
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.6 15.8
 129 12.8 8.8 13.2

