

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014752.D
 Acq On : 24 Jan 2020 18:43
 Operator : SY/VA
 Sample : L1242-14
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20200067-AMENDED-COMP-5

Quant Time: Jan 25 06:10:53 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	594059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	993211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	819301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	345086	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	349483	61.08	ug/l	0.00
Spiked Amount			Recovery	=	122.16%	
35) Dibromofluoromethane	7.88	113	72798	12.59	ug/l	0.00
Spiked Amount			Recovery	=	25.18%	
50) Toluene-d8	10.32	98	1139278	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.62	95	363050	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

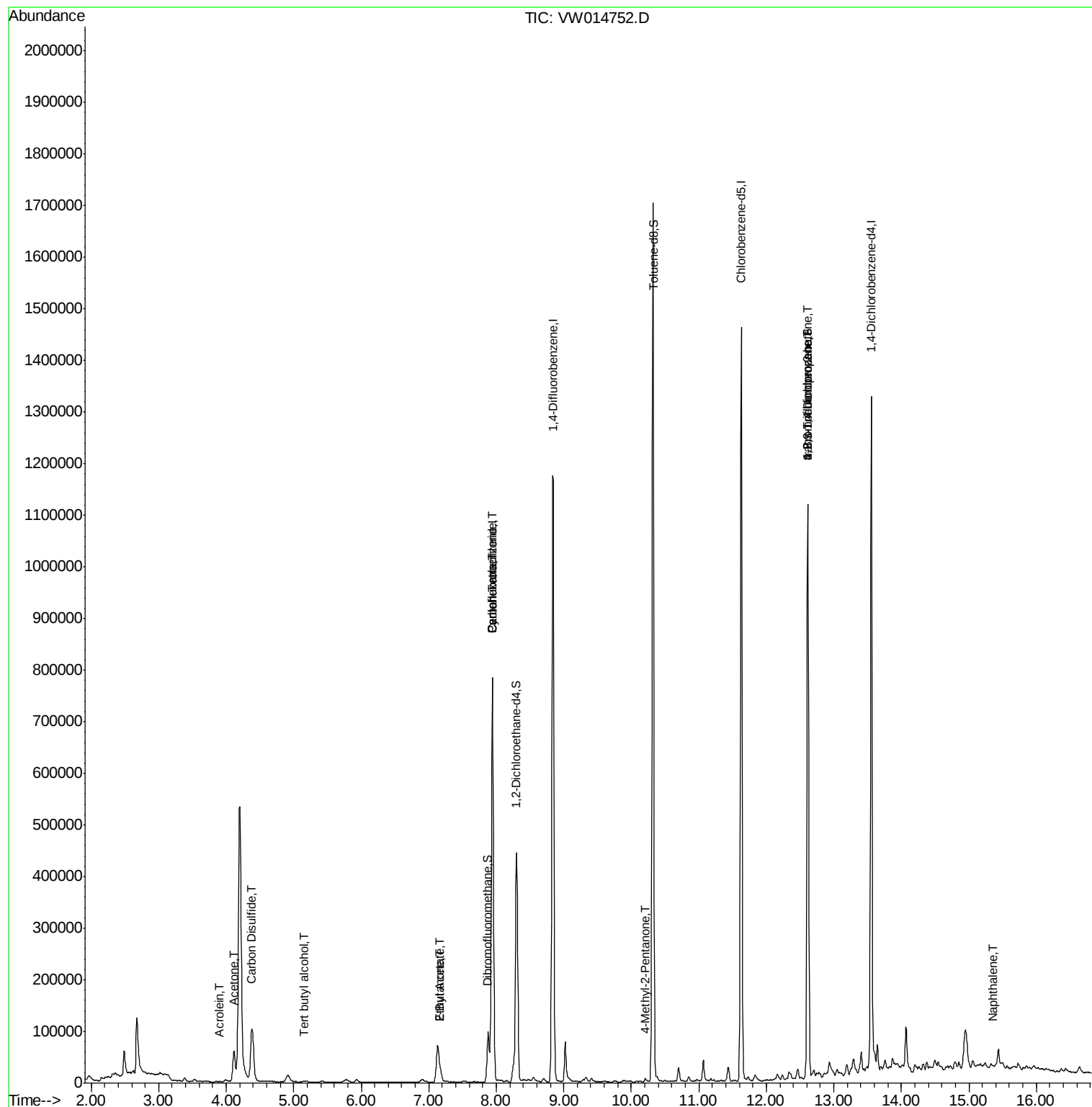
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	3888	9.457	ug/l #	93
13) Acrolein	3.89	56	962	2.100	ug/l	95
16) Acetone	4.12	43	107927	75.056	ug/l	95
17) Carbon Disulfide	4.38	76	234319	11.996	ug/l	98
20) Methylene Chloride	4.92	84	10664	Below Cal		92
25) 2-Butanone	7.17	43	32992	17.432	ug/l	90
31) Cyclohexane	7.95	56	15202	1.277	ug/l #	1
37) Ethyl Acetate	7.17	43	32992	7.370	ug/l #	69
38) Carbon Tetrachloride	7.94	117	57762	6.585	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	4653	1.103	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	180730	52.750	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	180730	124.843	ug/l #	12
95) Naphthalene	15.36	128	5214	1.415	ug/l #	78

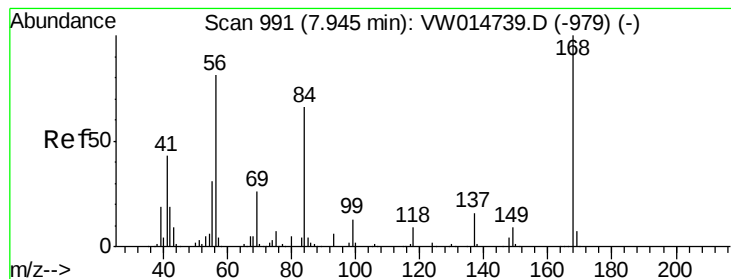
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW014752.D

Acq: 24 Jan 2020 18:43

Instrument :

MSVOA_W

ClientSampleId :

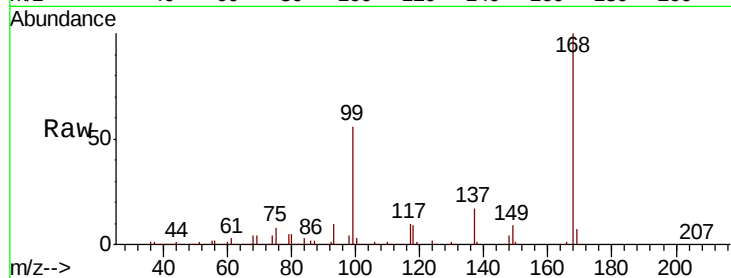
20200067-AMENDED-COMP-5

Tot Ion:168 Resp: 594059

Ion Ratio Lower Upper

168 100

99 55.7 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

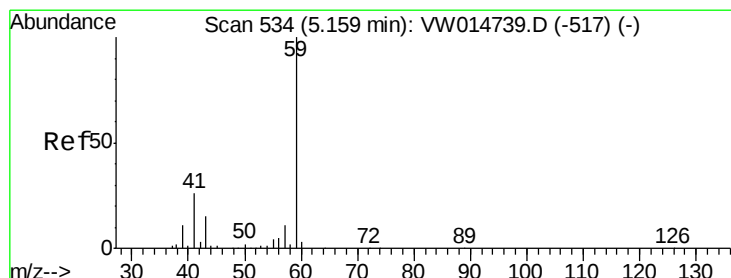
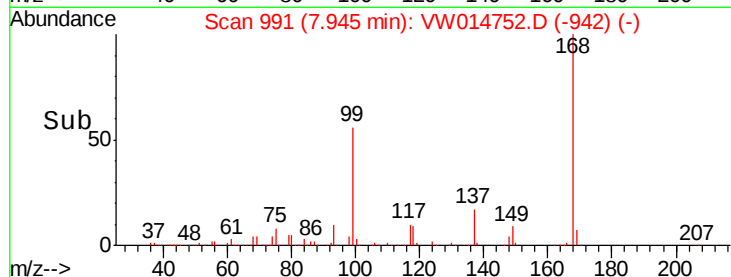
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 9.457 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.00 min

Lab File: VW014752.D

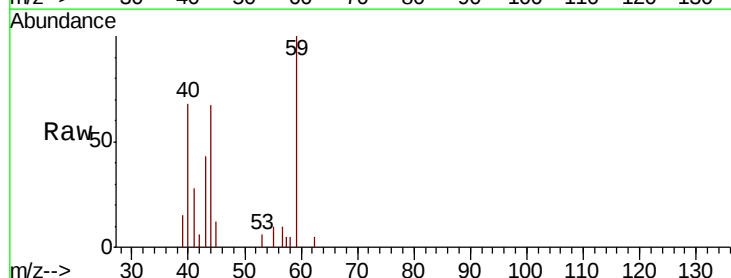
Acq: 24 Jan 2020 18:43

Tgt Ion: 59 Resp: 3888

Ion Ratio Lower Upper

59 100

57 8.1 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

1200

1000

800

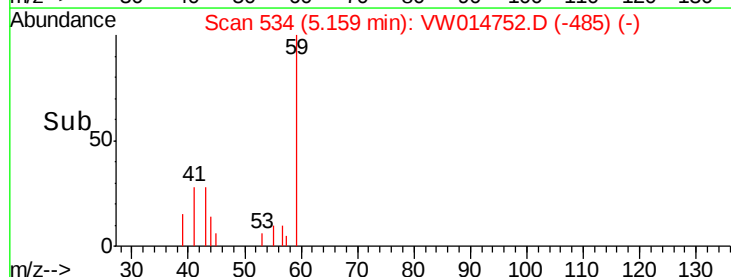
600

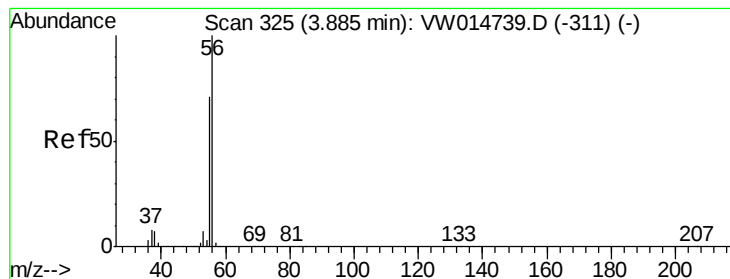
400

200

0

Time--> 5.10 5.20





#13

Acrolein

Concen: 2.100 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW014752.D

Acq: 24 Jan 2020 18:43

Instrument :

MSVOA_W

ClientSampleId :

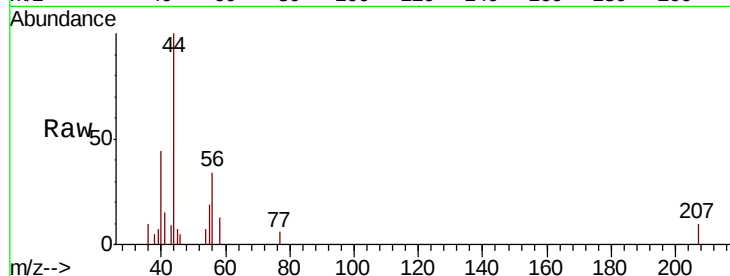
20200067-AMENDED-COMP-5

Tot Ion: 56 Resp: 962

Ion Ratio Lower Upper

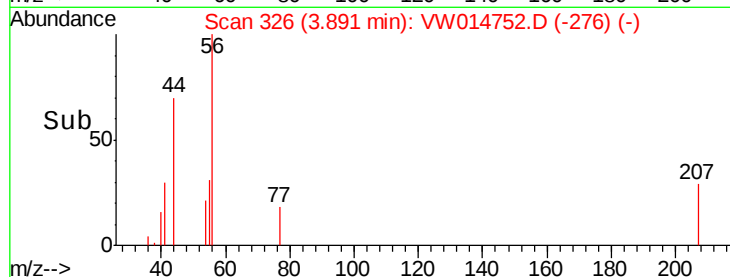
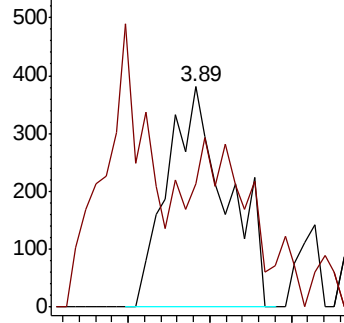
56 100

55 65.6 55.7 83.5

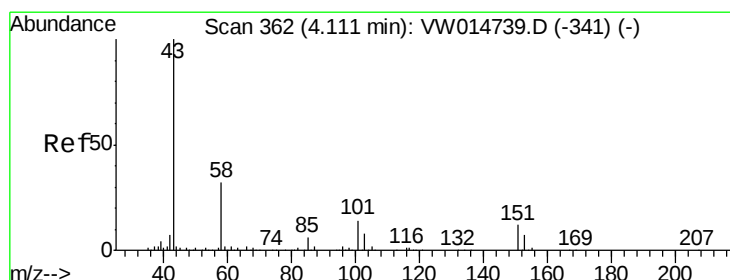


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#16

Acetone

Concen: 75.056 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014752.D

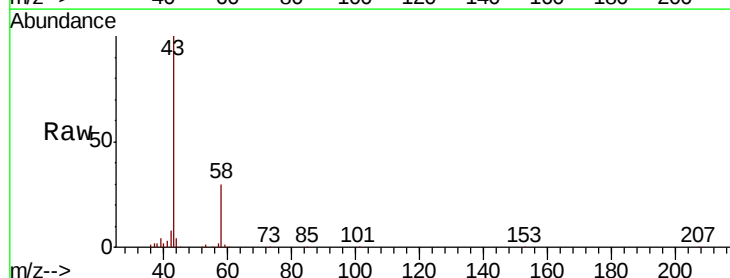
Acq: 24 Jan 2020 18:43

Tgt Ion: 43 Resp: 107927

Ion Ratio Lower Upper

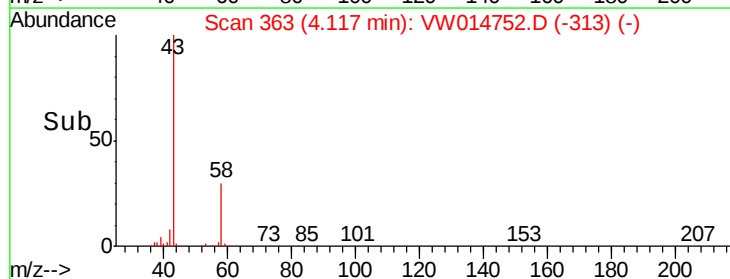
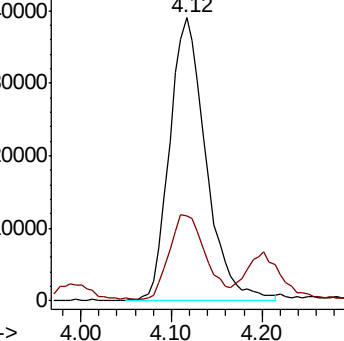
43 100

58 29.2 25.6 38.4

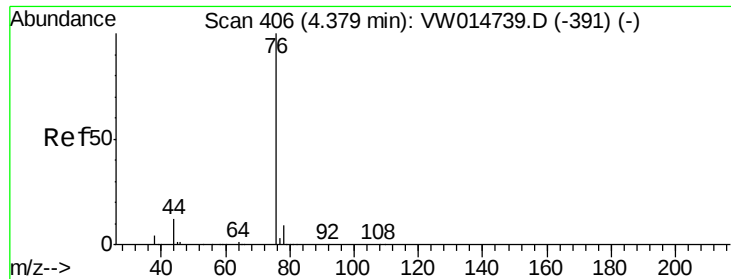


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#17

Carbon Disulfide

Concen: 11.996 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014752.D

Acq: 24 Jan 2020 18:43

Instrument :

MSVOA_W

ClientSampleId :

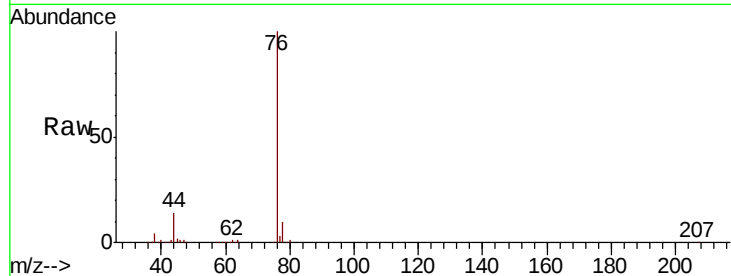
20200067-AMENDED-COMP-5

Tot Ion: 76 Resp: 234319

Ion Ratio Lower Upper

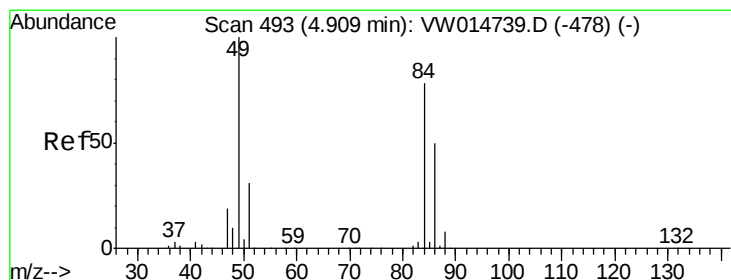
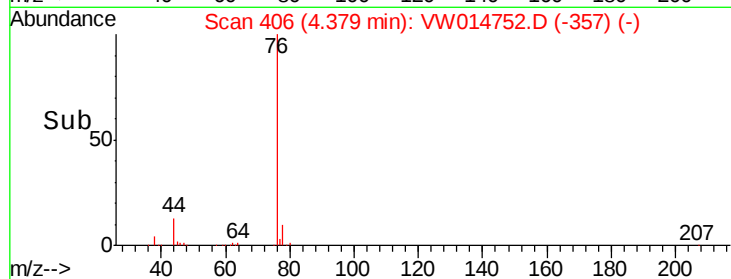
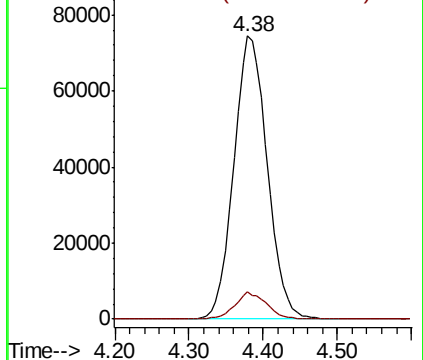
76 100

78 9.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW014752.D

Acq: 24 Jan 2020 18:43

Tgt Ion: 84 Resp: 10664

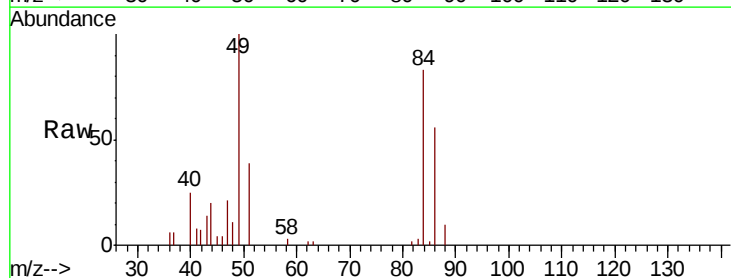
Ion Ratio Lower Upper

84 100

49 118.5 103.1 154.7

51 47.5 32.1 48.1

86 68.2 51.5 77.3

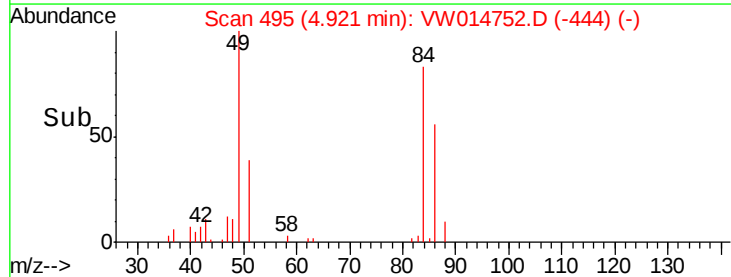
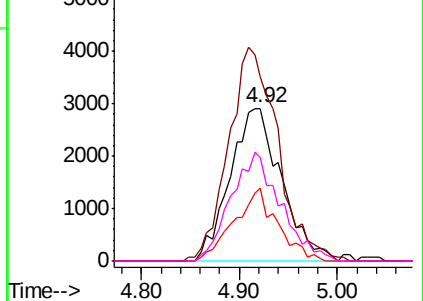


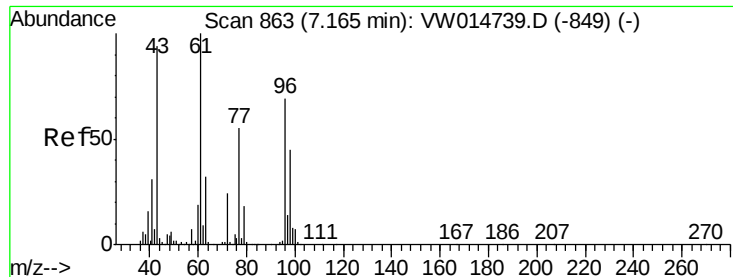
Abundance Ion 83.90 (83.60 to 84.60): VW

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

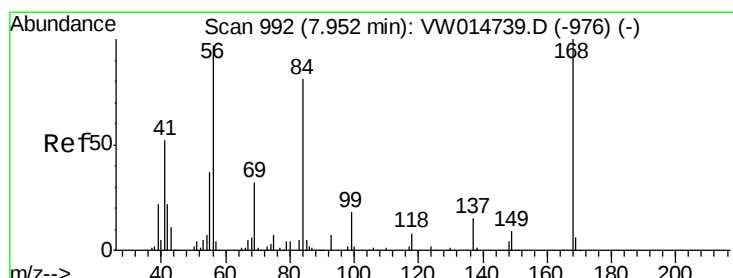
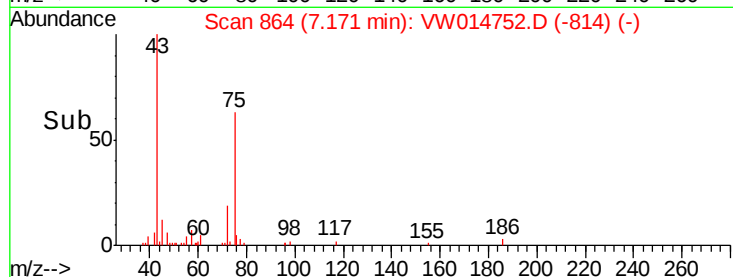
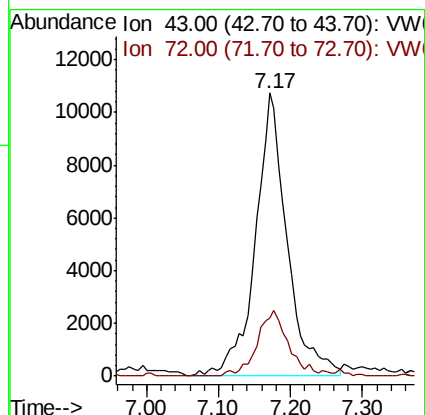
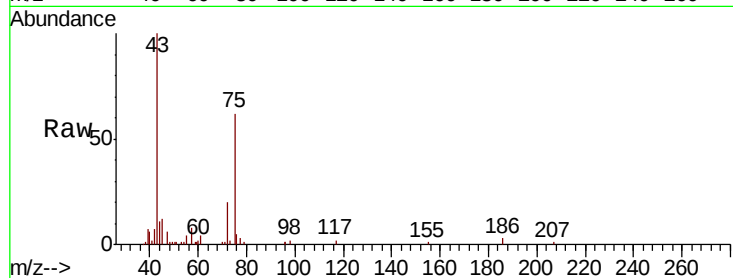




#25
2-Butanone
Concen: 17.432 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014752.D
Acq: 24 Jan 2020 18:43

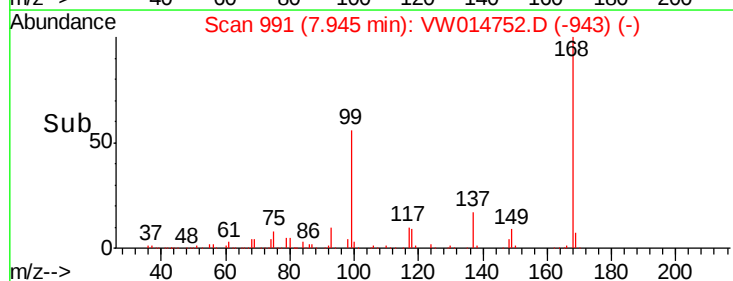
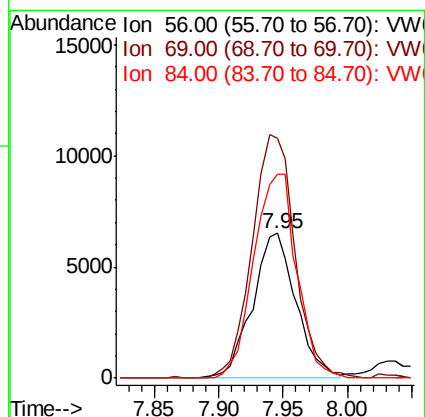
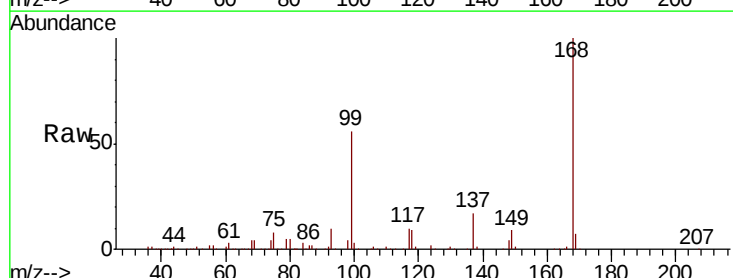
Instrument :
MSVOA_W
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20200067-AMENDED-COMP-5

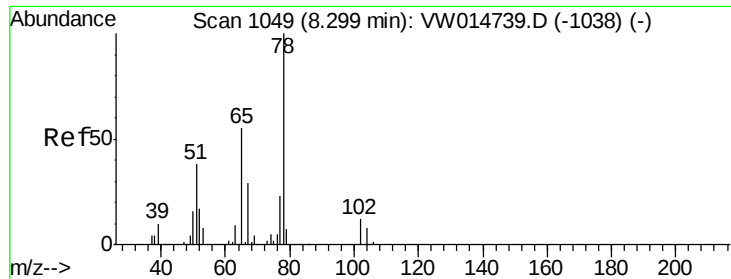
Tot Ion: 43 Resp: 32992
Ion Ratio Lower Upper
43 100
72 20.5 20.2 30.4



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014752.D
Acq: 24 Jan 2020 18:43

Tgt Ion: 56 Resp: 15202
Ion Ratio Lower Upper
56 100
69 165.7 26.0 39.0#
84 140.8 66.6 99.8#





#33

1,2-Dichloroethane-d4

Concen: 61.082 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VW014752.D

Acq: 24 Jan 2020 18:43

Instrument :

MSVOA_W

ClientSampleId :

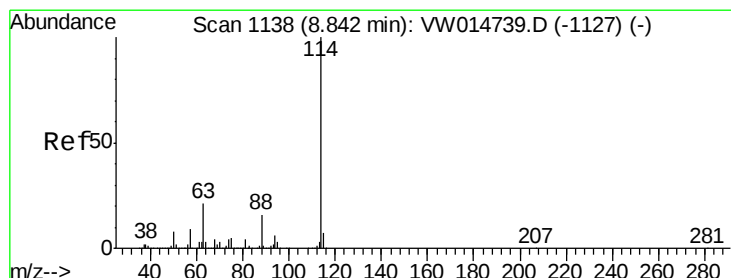
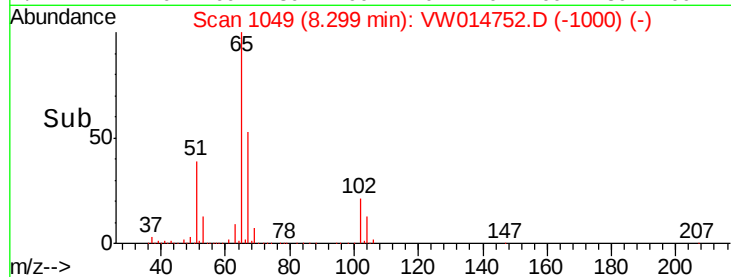
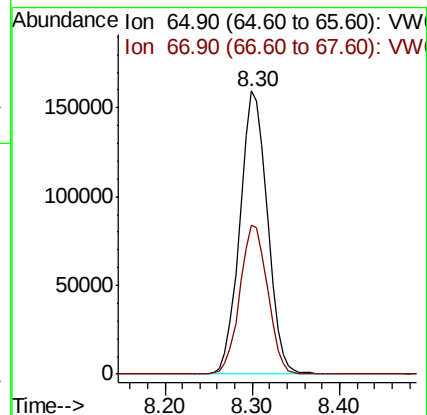
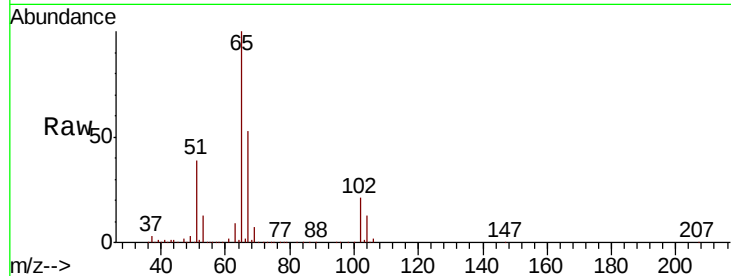
20200067-AMENDED-COMP-5

Tot Ion: 65 Resp: 349483

Ion Ratio Lower Upper

65 100

67 53.6 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: VW014752.D

Acq: 24 Jan 2020 18:43

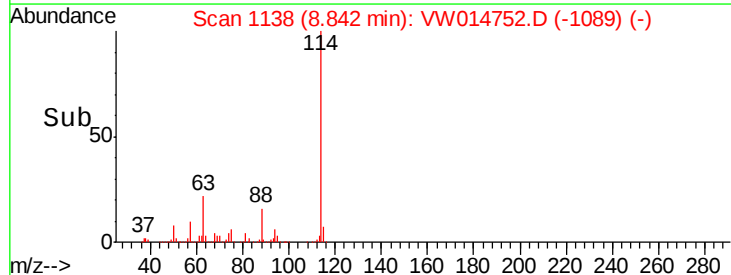
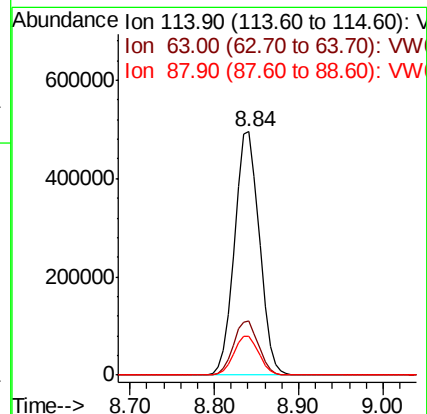
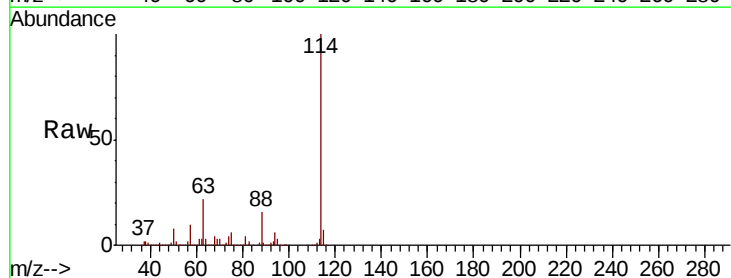
Tgt Ion: 114 Resp: 993211

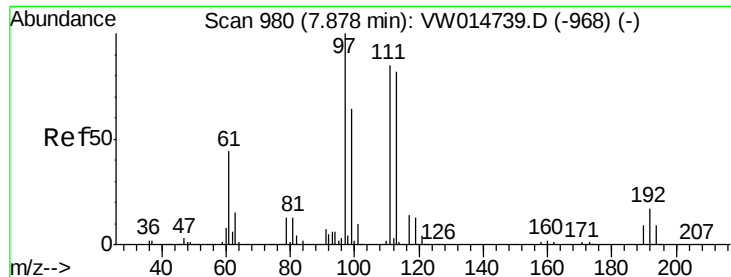
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.2

88 15.8 0.0 32.2

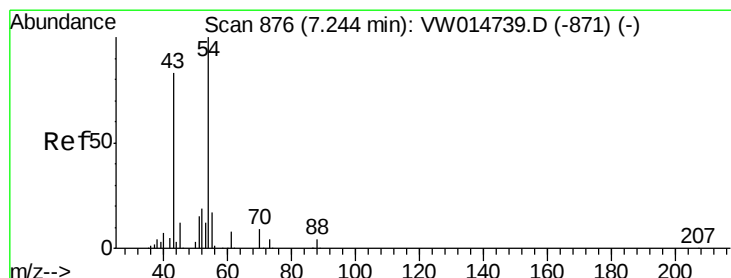
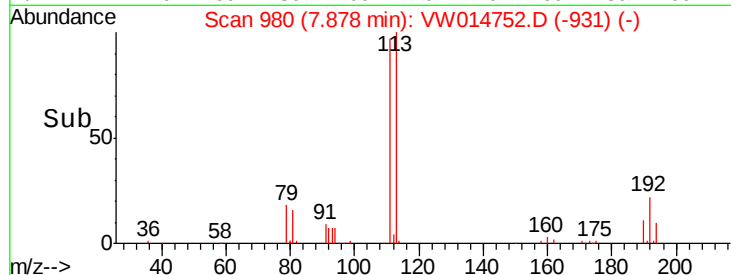
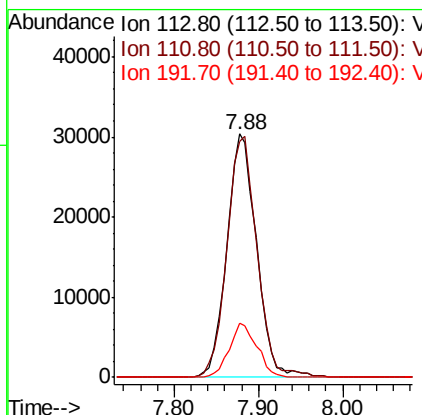
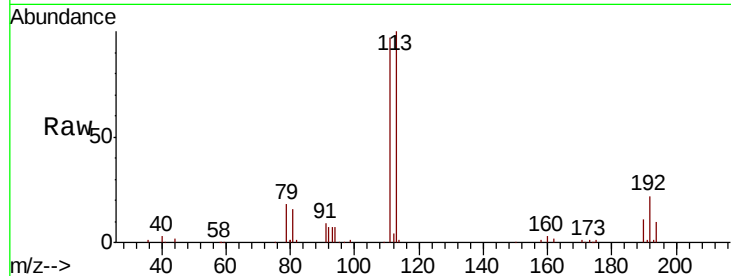




#35
 Dibromofluoromethane
 Concen: 12.592 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014752.D
 Acq: 24 Jan 2020 18:43

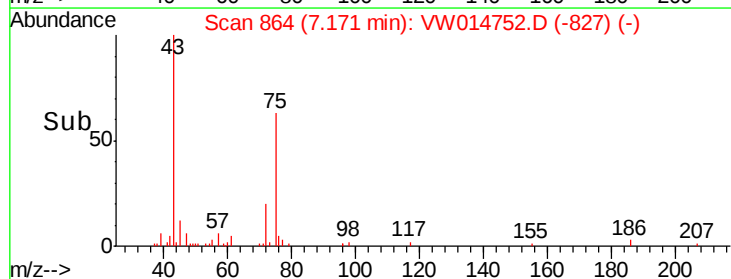
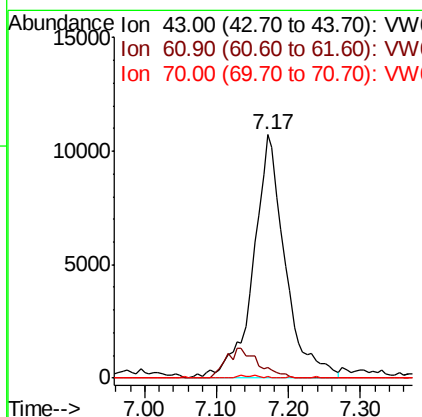
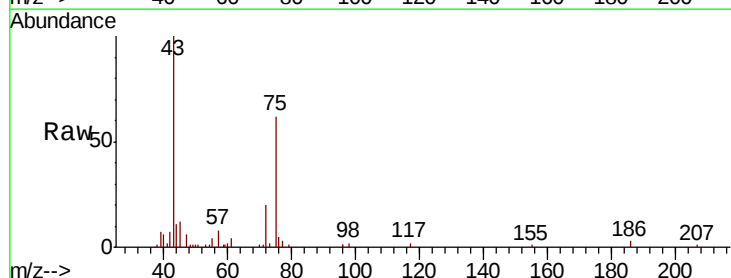
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 20200067-AMENDED-COMP-5

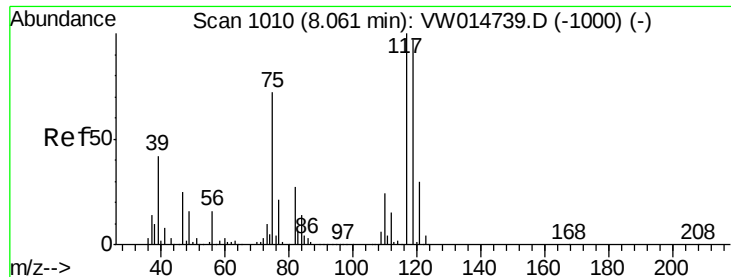
Tot Ion:113 Resp: 72798
 Ion Ratio Lower Upper
 113 100
 111 99.7 82.2 123.2
 192 20.4 17.0 25.6



#37
 Ethyl Acetate
 Concen: 7.370 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.07 min
 Lab File: VW014752.D
 Acq: 24 Jan 2020 18:43

Tgt Ion: 43 Resp: 32992
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.4 8.5 12.7#

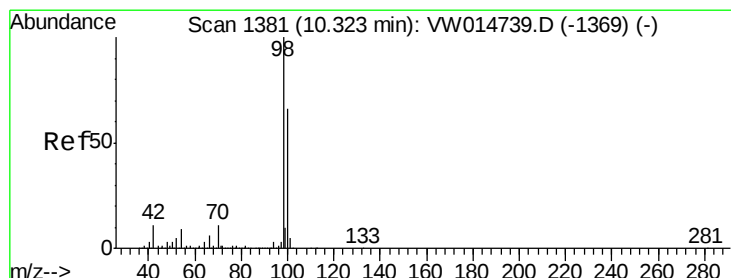
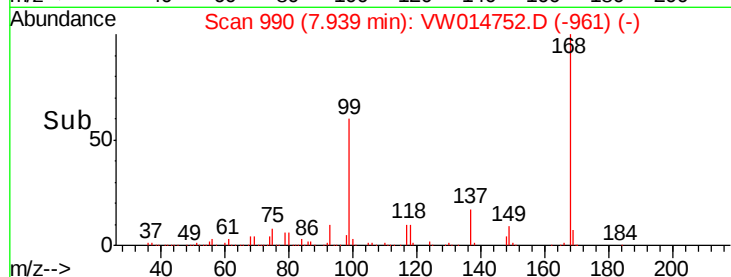
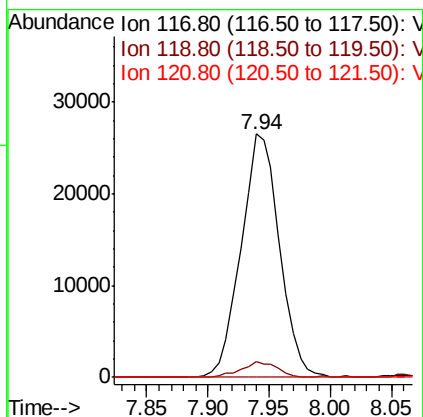
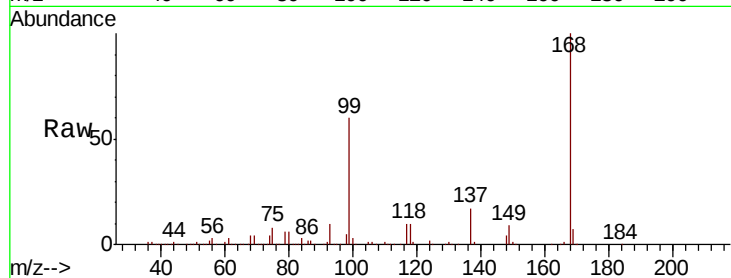




#38
Carbon Tetrachloride
Concen: 6.585 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.12 min
Lab File: VW014752.D
Acq: 24 Jan 2020 18:43

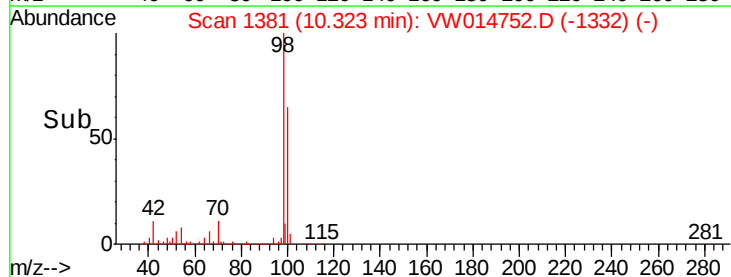
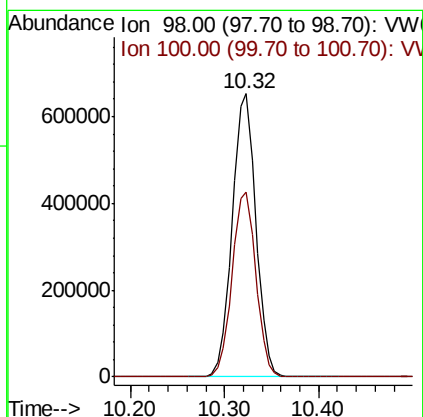
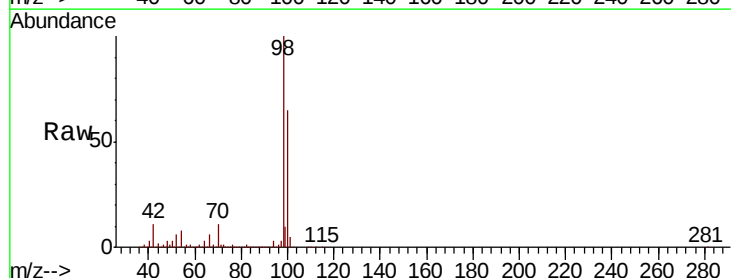
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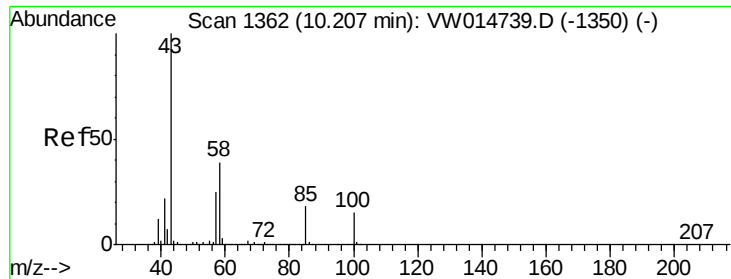
Tot Ion:117 Resp: 57762
Ion Ratio Lower Upper
117 100
119 6.1 77.5 116.3#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 47.790 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014752.D
Acq: 24 Jan 2020 18:43

Tgt Ion: 98 Resp: 1139278
Ion Ratio Lower Upper
98 100
100 65.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 1.103 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014752.D

Acq: 24 Jan 2020 18:43

Instrument :

MSVOA_W

ClientSampleId :

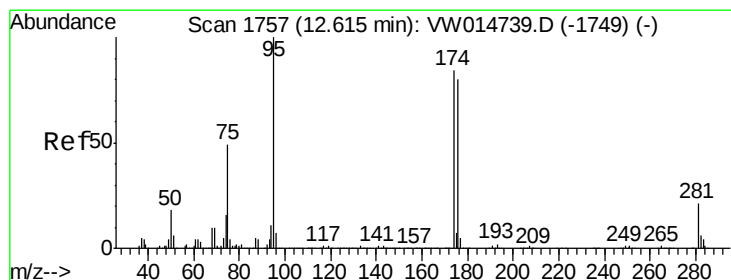
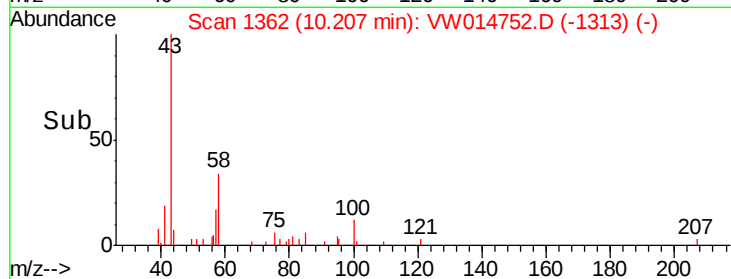
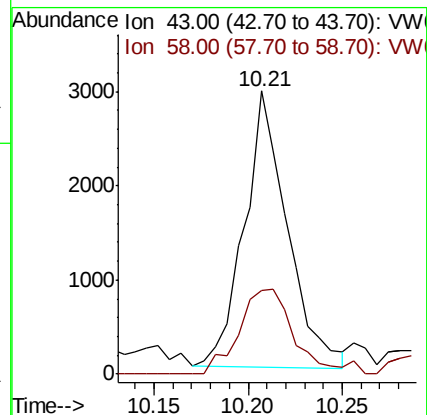
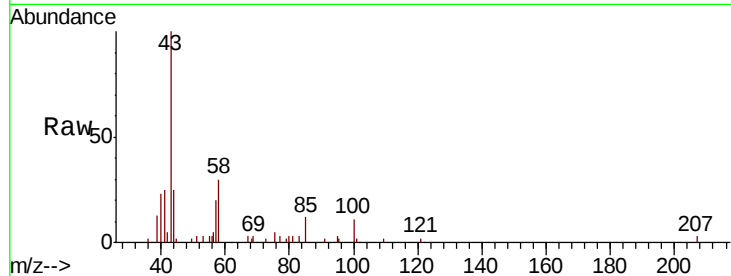
20200067-AMENDED-COMP-5

Tot Ion: 43 Resp: 4653

Ion Ratio Lower Upper

43 100

58 39.6 31.4 47.0



#62

4-Bromofluorobenzene

Concen: 45.549 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014752.D

Acq: 24 Jan 2020 18:43

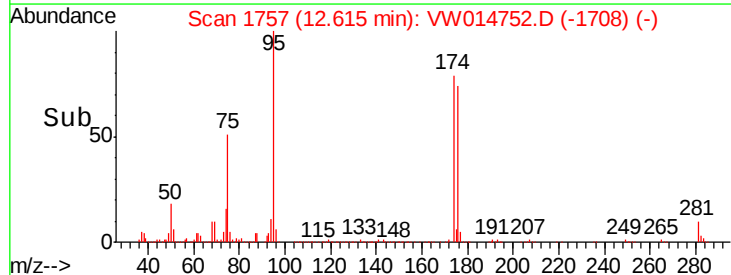
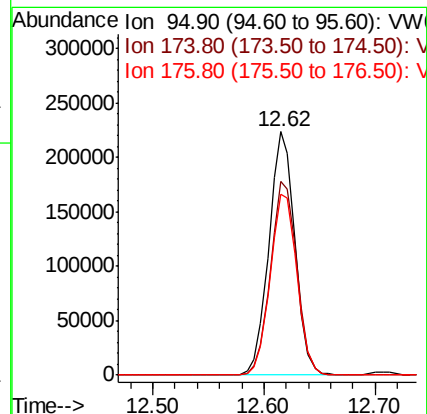
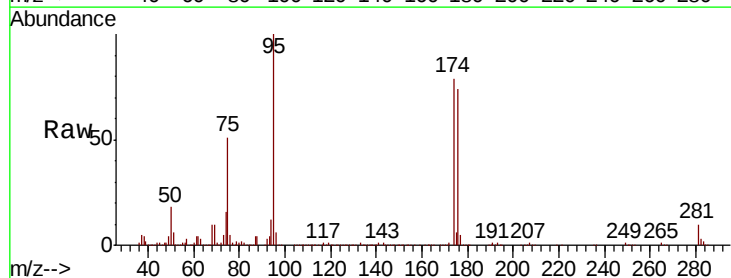
Tgt Ion: 95 Resp: 363050

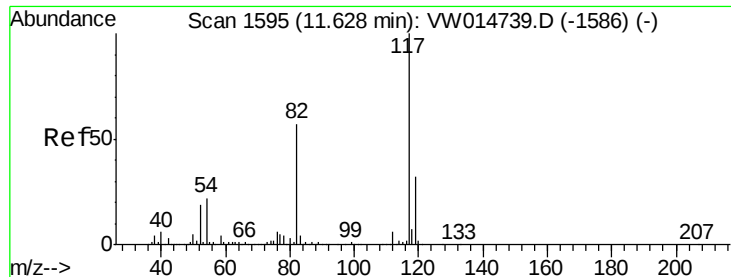
Ion Ratio Lower Upper

95 100

174 80.9 0.0 163.0

176 76.8 0.0 159.2

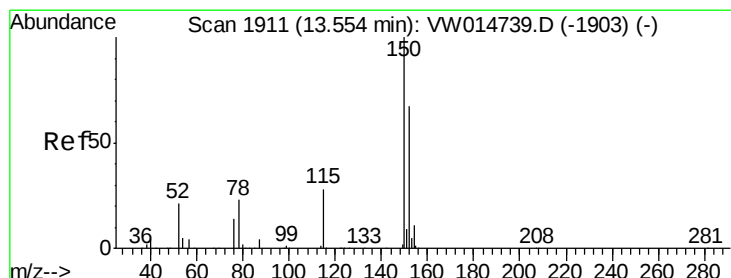
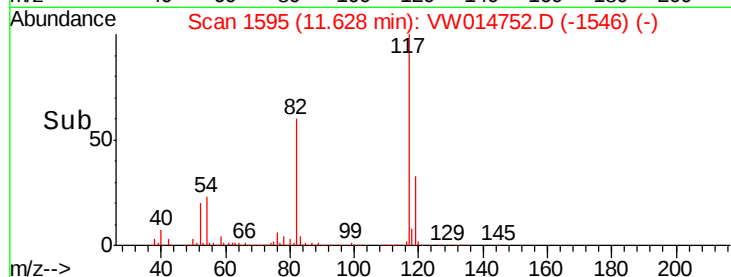
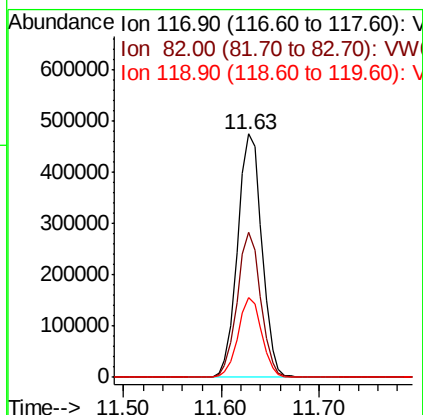
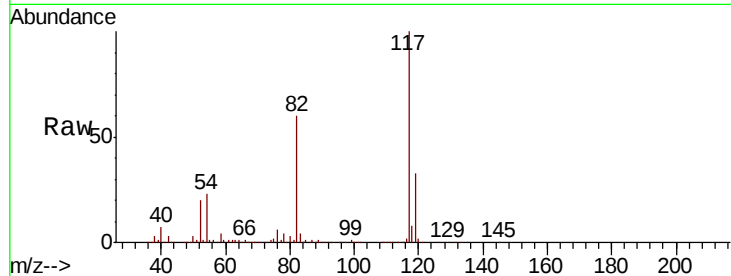




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014752.D
Acq: 24 Jan 2020 18:43

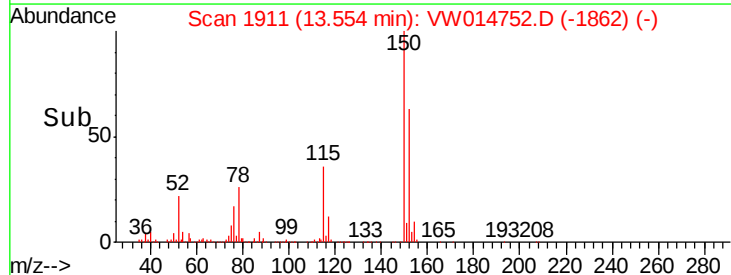
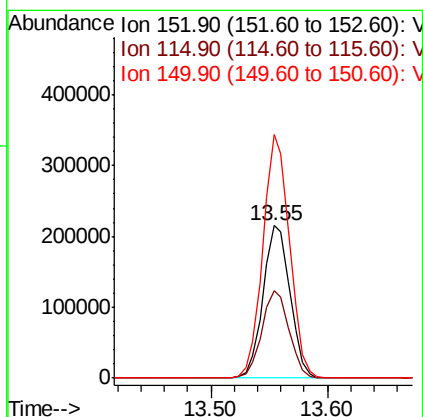
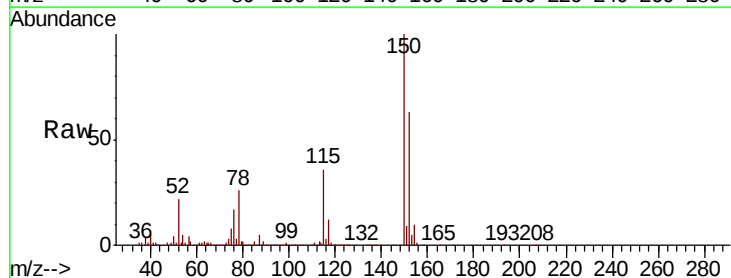
Instrument :
MSVOA_W
ClientSampleId :
20200067-AMENDED-COMP-5

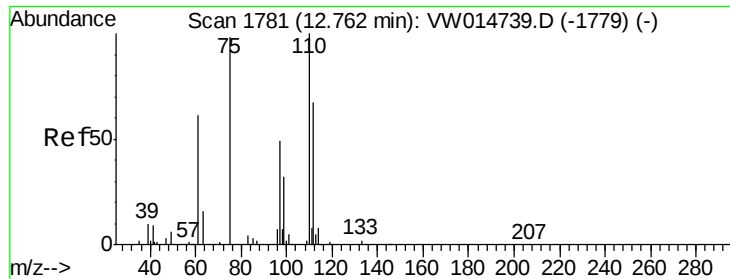
Tot Ion:117 Resp: 819301
Ion Ratio Lower Upper
117 100
82 59.5 45.9 68.9
119 32.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014752.D
Acq: 24 Jan 2020 18:43

Tgt Ion:152 Resp: 345086
Ion Ratio Lower Upper
152 100
115 57.5 29.0 87.1
150 156.8 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 52.750 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014752.D

Acq: 24 Jan 2020 18:43

Instrument :

MSVOA_W

ClientSampleId :

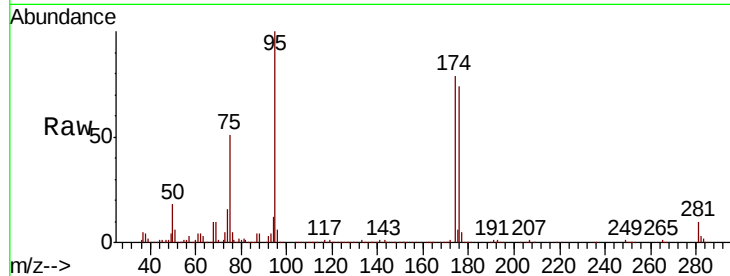
20200067-AMENDED-COMP-5

Tot Ion: 75 Resp: 180730

Ion Ratio Lower Upper

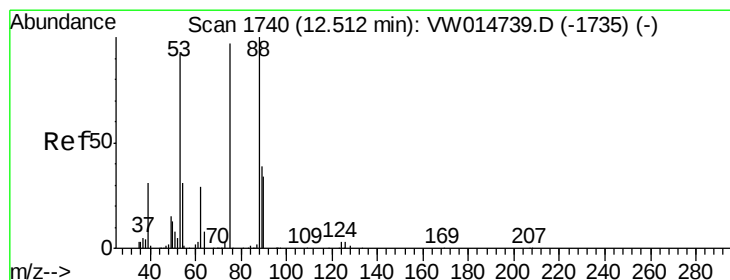
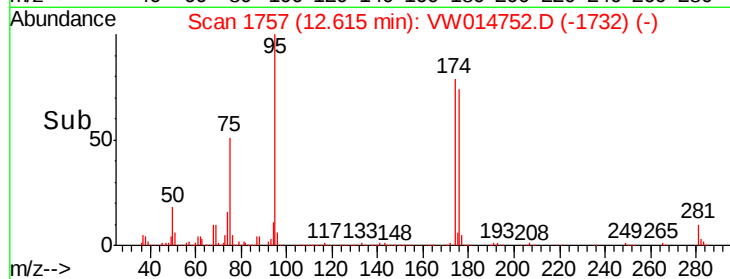
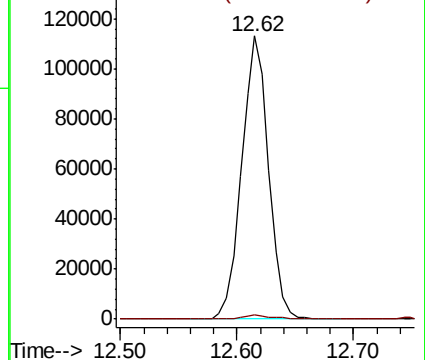
75 100

77 1.4 167.9 503.9#



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: 124.843 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014752.D

Acq: 24 Jan 2020 18:43

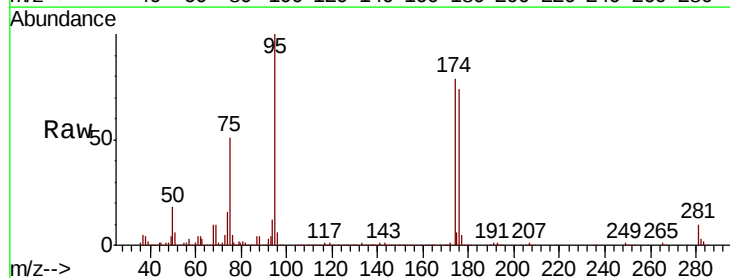
Tgt Ion: 75 Resp: 180730

Ion Ratio Lower Upper

75 100

53 0.7 77.0 115.4#

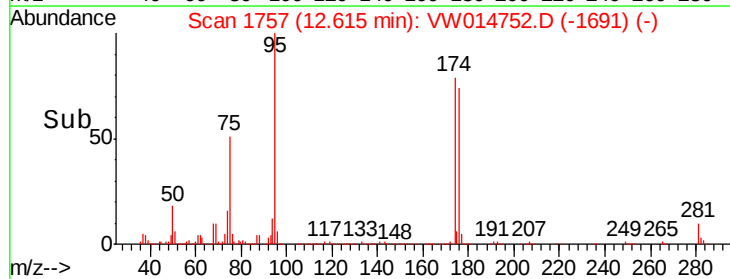
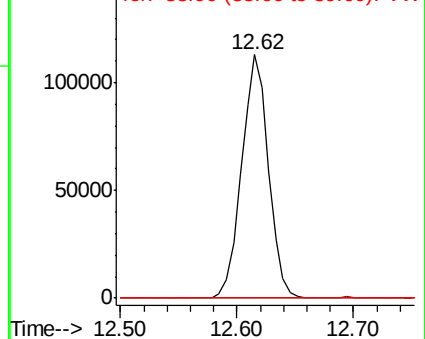
89 0.1 35.2 52.8#

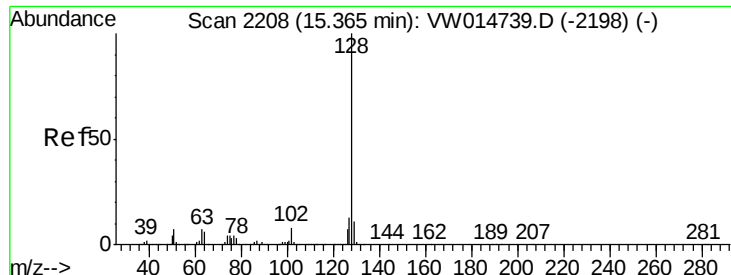


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

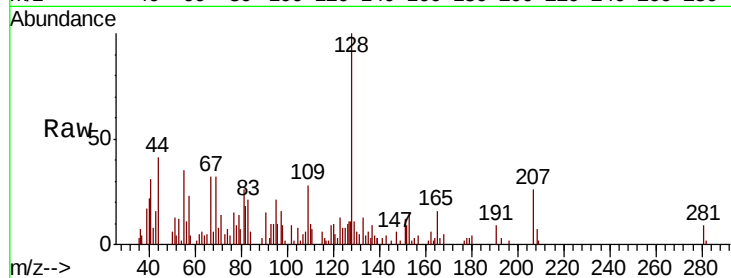




#95
Naphthalene
Concen: 1.415 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014752.D
Acq: 24 Jan 2020 18:43

Instrument :
MSVOA_W
ClientSampleId :
20200067-AMENDED-COMP-5

Tot Ion	Ratio	Lower	Upper
128	100		
127	22.7	10.6	15.8#
129	18.2	8.8	13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

