

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014750.D
 Acq On : 24 Jan 2020 17:51
 Operator : SY/VA
 Sample : L1242-12
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20200065-AMENDED-COMP-3

Quant Time: Jan 25 06:10:29 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	573253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	964896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	807567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	329248	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	338811	61.37	ug/l	0.00
Spiked Amount			Recovery	=	122.74%	
35) Dibromofluoromethane	7.88	113	108439	19.31	ug/l	0.00
Spiked Amount			Recovery	=	38.62%	
50) Toluene-d8	10.32	98	1139809	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.62	95	358894	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

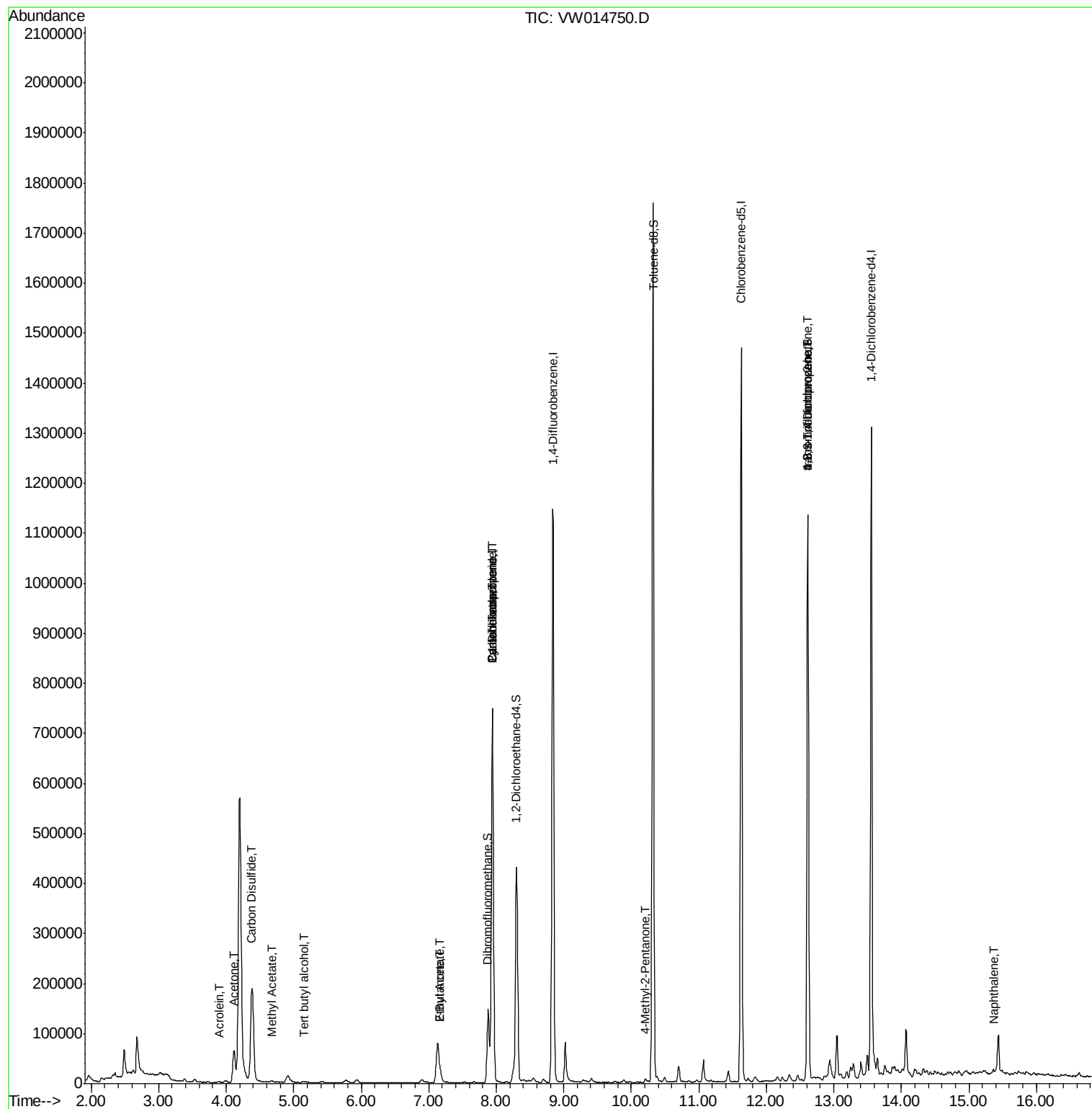
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	2913	7.343	ug/l #	85
13) Acrolein	3.90	56	1534	3.470	ug/l #	19
16) Acetone	4.12	43	115763	83.427	ug/l	97
17) Carbon Disulfide	4.38	76	429434	22.782	ug/l	97
18) Methyl Acetate	4.67	43	5287	1.702	ug/l	96
20) Methylene Chloride	4.92	84	10174	Below Cal		91
25) 2-Butanone	7.17	43	29340	16.065	ug/l	100
31) Cyclohexane	7.95	56	13637	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	46368	4.739	ug/l #	50
37) Ethyl Acetate	7.17	43	29340	6.746	ug/l #	69
38) Carbon Tetrachloride	7.95	117	55241	6.482	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	5745	1.401	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	178434	54.585	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	178434	129.186	ug/l #	11
95) Naphthalene	15.36	128	8868	1.761	ug/l #	93

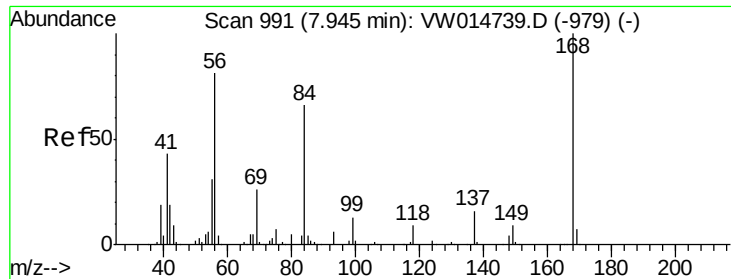
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW014750.D

Acq: 24 Jan 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

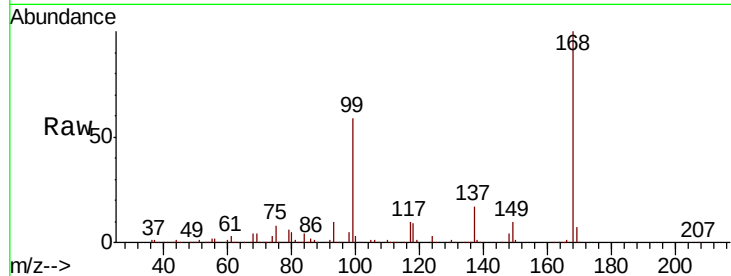
20200065-AMENDED-COMP-3

Tot Ion:168 Resp: 573253

Ion Ratio Lower Upper

168 100

99 59.5 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

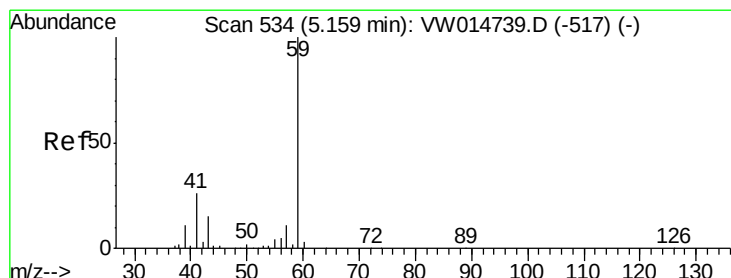
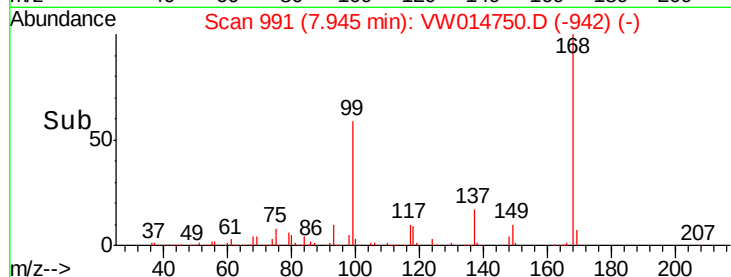
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 7.343 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014750.D

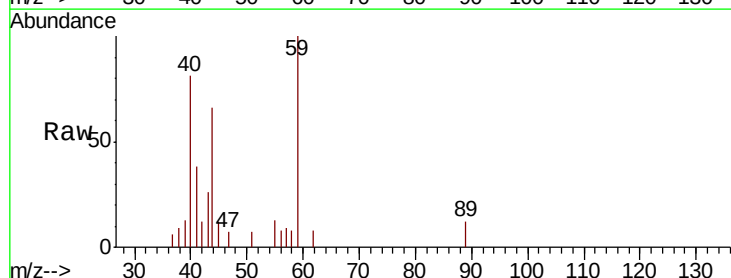
Acq: 24 Jan 2020 17:51

Tgt Ion: 59 Resp: 2913

Ion Ratio Lower Upper

59 100

57 5.1 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

1000

800

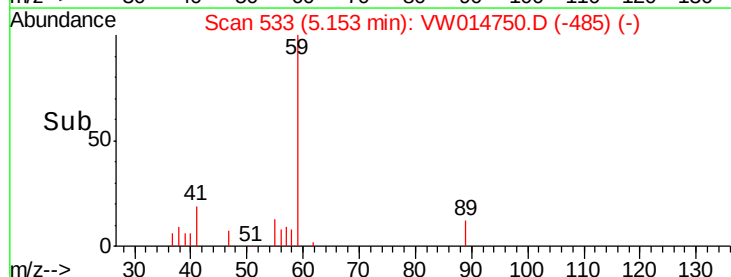
600

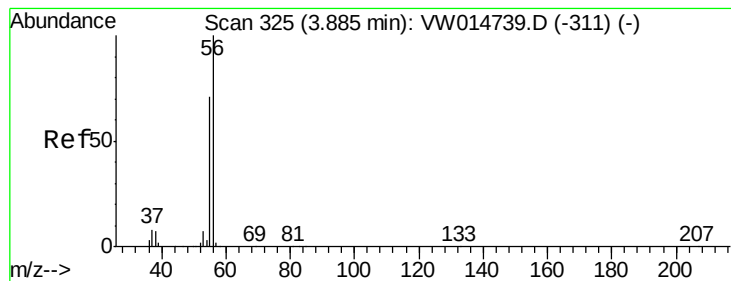
400

200

0

Time--> 5.10 5.15 5.20 5.25





#13

Acrolein

Concen: 3.470 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.02 min

Lab File: VW014750.D

Acq: 24 Jan 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

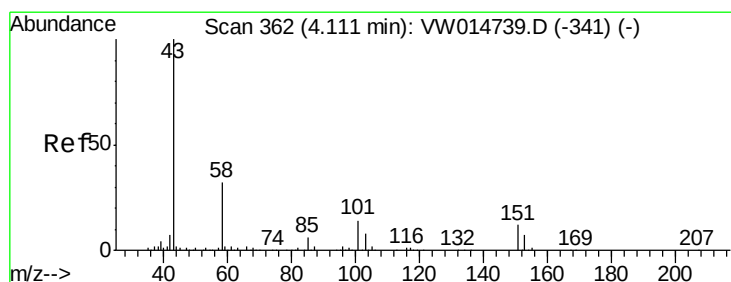
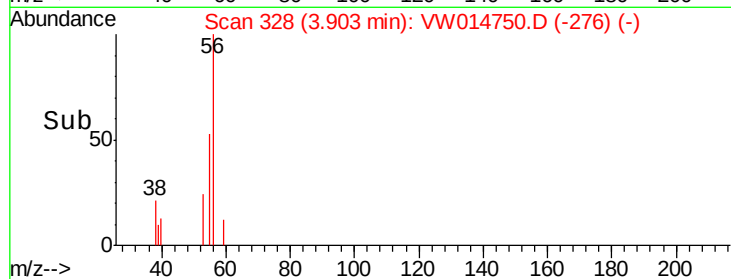
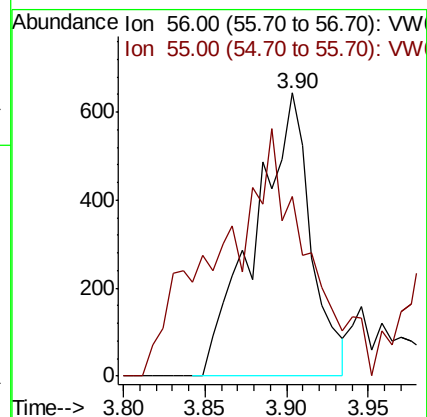
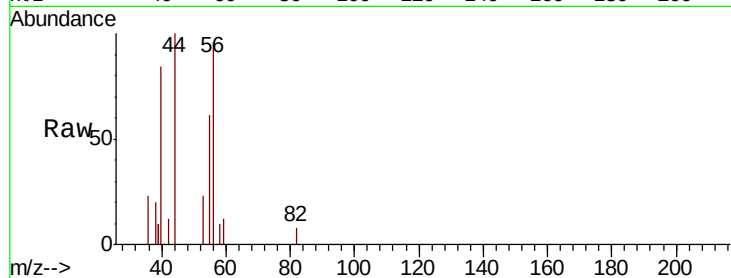
20200065-AMENDED-COMP-3

Tot Ion: 56 Resp: 1534

Ion Ratio Lower Upper

56 100

55 135.7 55.7 83.5#



#16

Acetone

Concen: 83.427 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014750.D

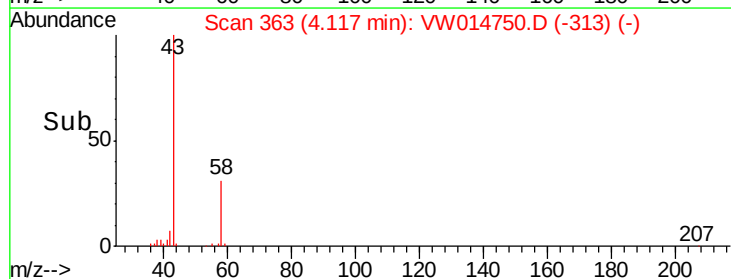
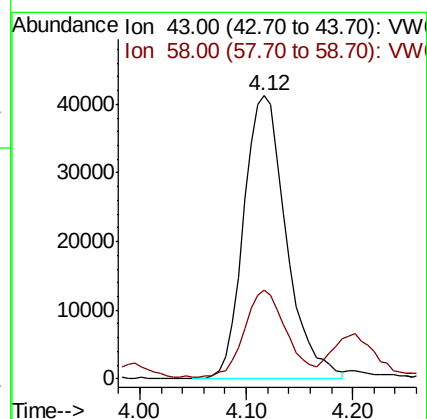
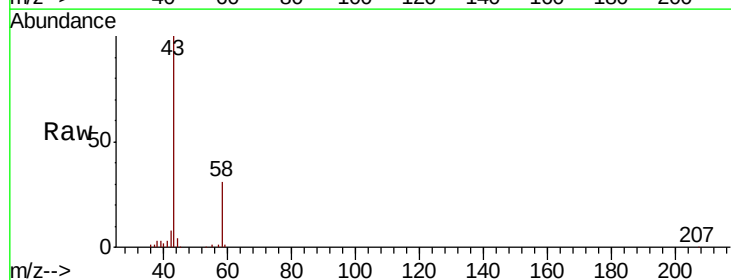
Acq: 24 Jan 2020 17:51

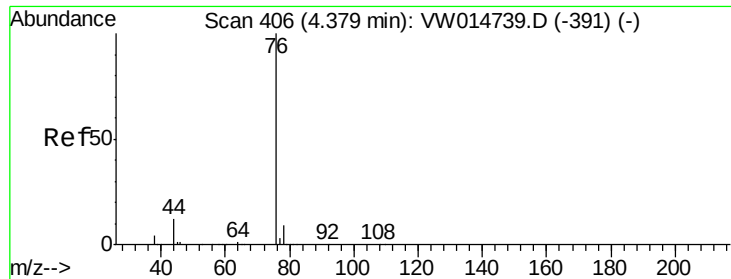
Tgt Ion: 43 Resp: 115763

Ion Ratio Lower Upper

43 100

58 30.5 25.6 38.4





#17

Carbon Disulfide

Concen: 22.782 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014750.D

Acq: 24 Jan 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

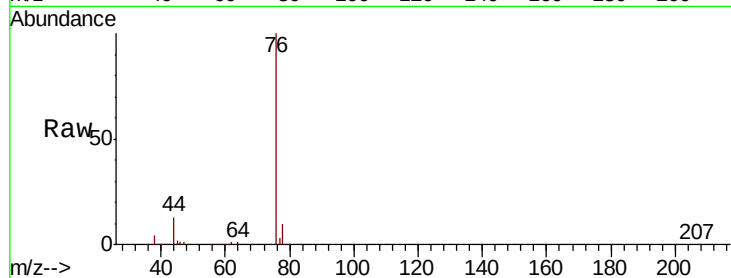
20200065-AMENDED-COMP-3

Tot Ion: 76 Resp: 429434

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

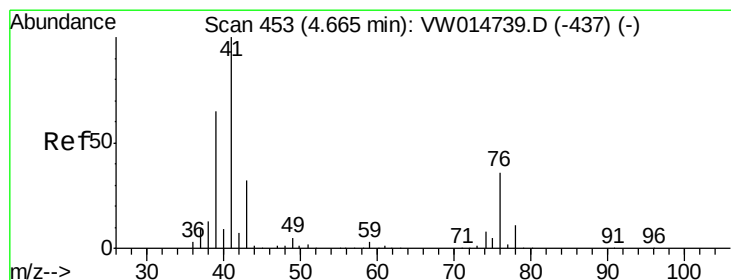
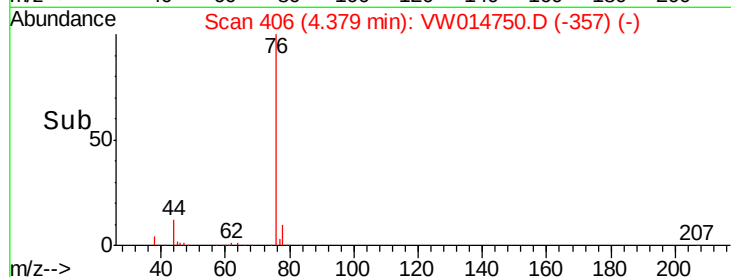
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 1.702 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW014750.D

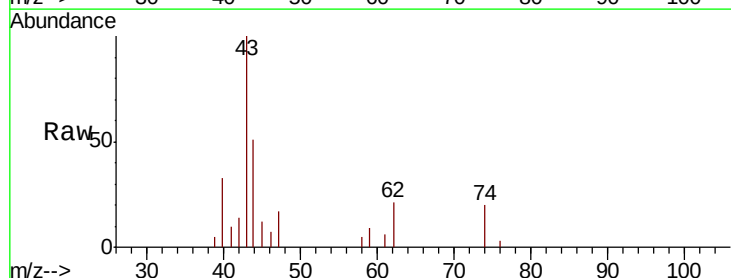
Acq: 24 Jan 2020 17:51

Tgt Ion: 43 Resp: 5287

Ion Ratio Lower Upper

43 100

74 21.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

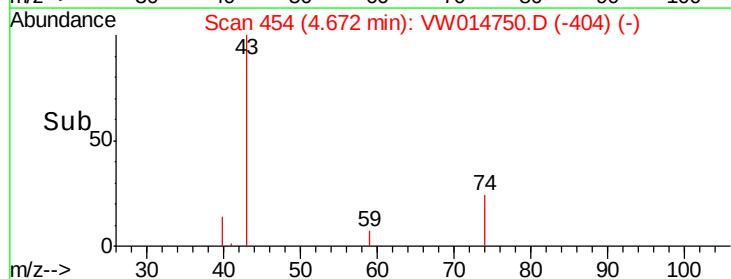
1500

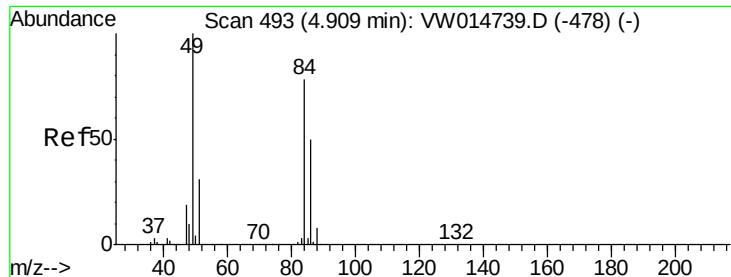
1000

500

0

Time-->



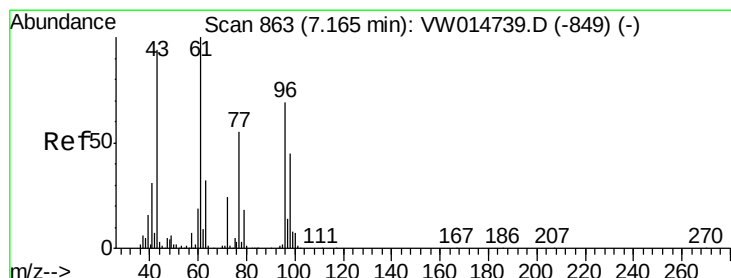
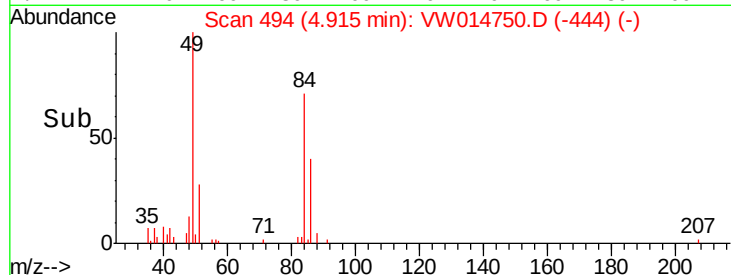
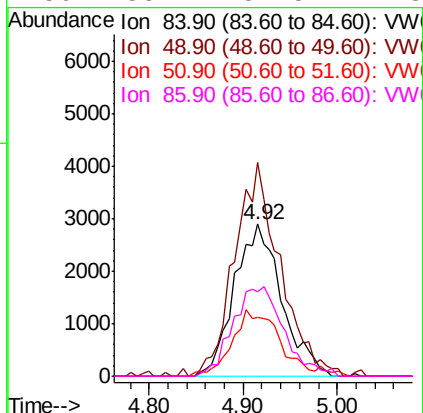
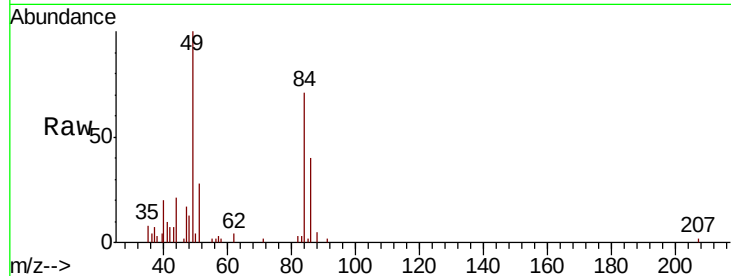


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW014750.D
 Acq: 24 Jan 2020 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 20200065-AMENDED-COMP-3

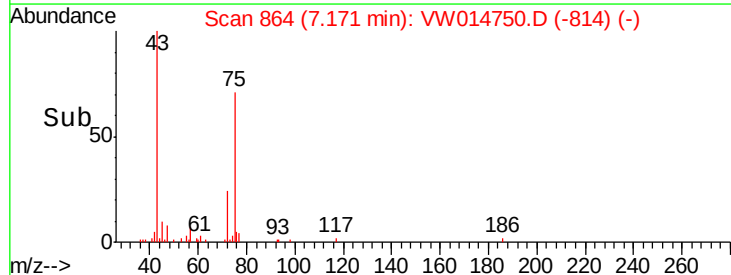
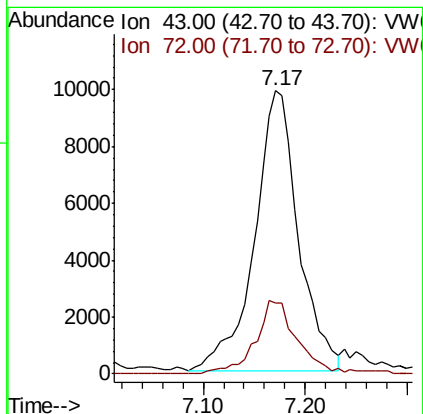
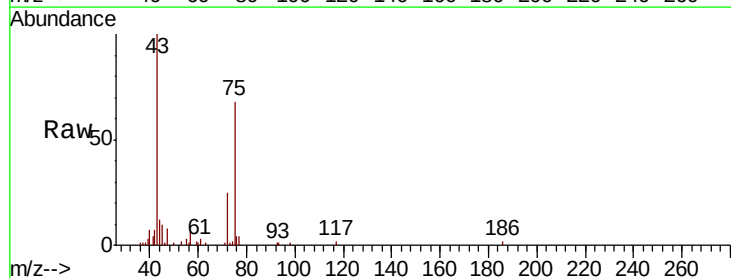
Tot Ion: 84 Resp: 10174
 Ion Ratio Lower Upper
 84 100
 49 140.7 103.1 154.7
 51 38.7 32.1 48.1
 86 55.7 51.5 77.3

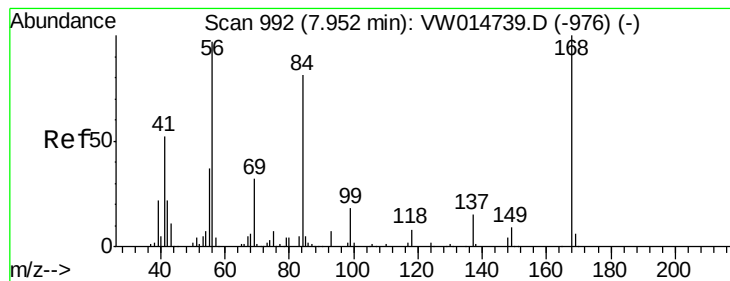


#25

2-Butanone
 Concen: 16.065 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW014750.D
 Acq: 24 Jan 2020 17:51

Tgt Ion: 43 Resp: 29340
 Ion Ratio Lower Upper
 43 100
 72 25.4 20.2 30.4





#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014750.D

Acq: 24 Jan 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

20200065-AMENDED-COMP-3

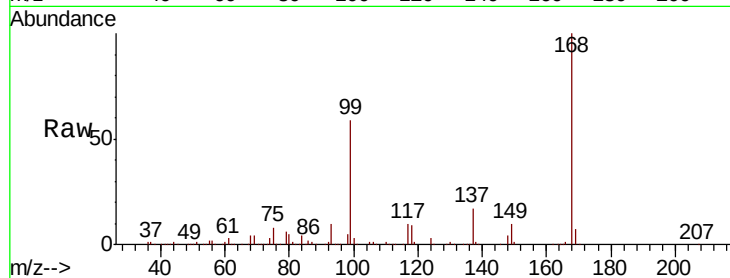
Tot Ion: 56 Resp: 13637

Ion Ratio Lower Upper

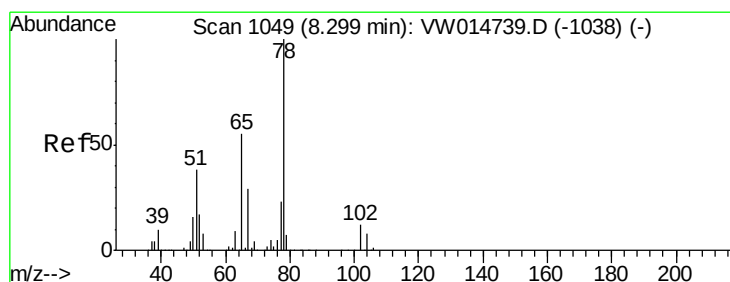
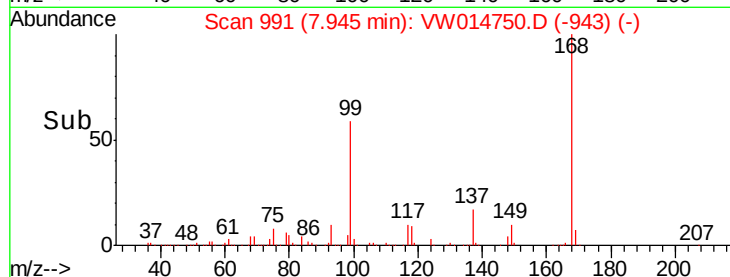
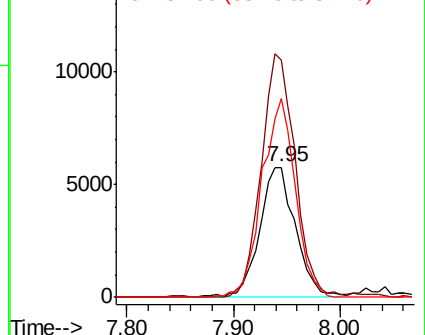
56 100

69 182.6 26.0 39.0#

84 152.9 66.6 99.8#



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: 61.366 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VW014750.D

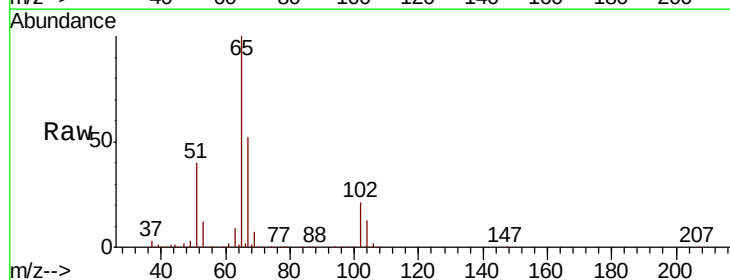
Acq: 24 Jan 2020 17:51

Tgt Ion: 65 Resp: 338811

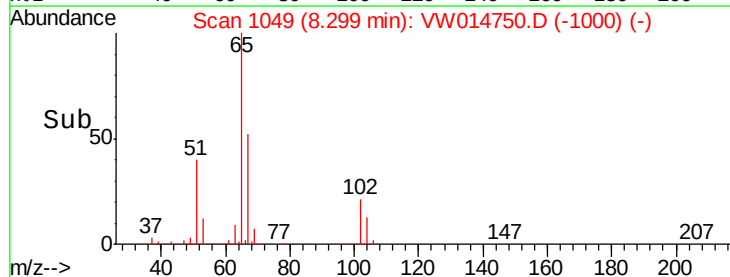
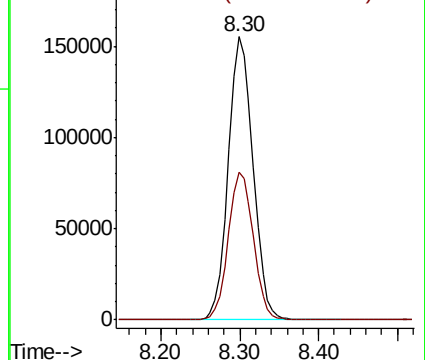
Ion Ratio Lower Upper

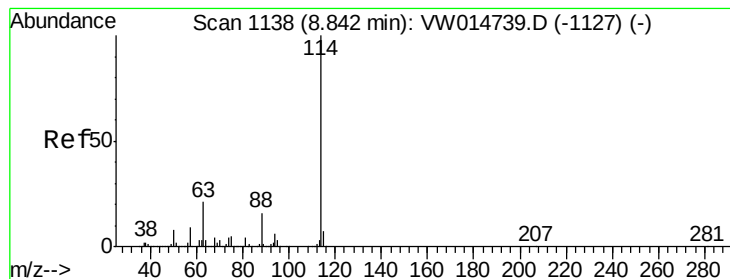
65 100

67 52.9 0.0 106.0



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# 1137

Delta R.T. -0.01 min

Lab File: VW014750.D

Acq: 24 Jan 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

20200065-AMENDED-COMP-3

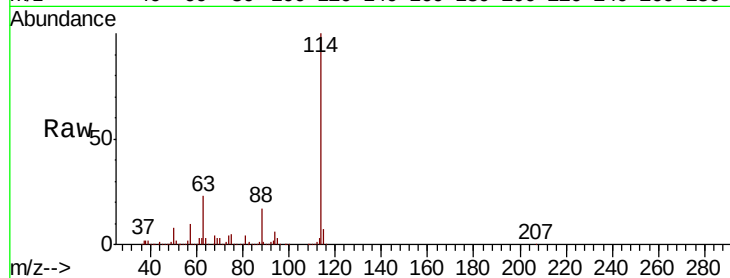
Tot Ion:114 Resp: 964896

Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.2

88 16.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

600000

500000

400000

300000

200000

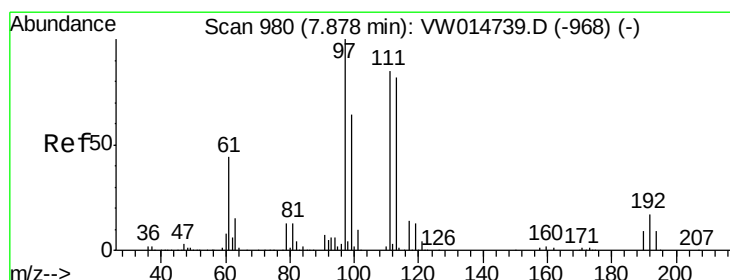
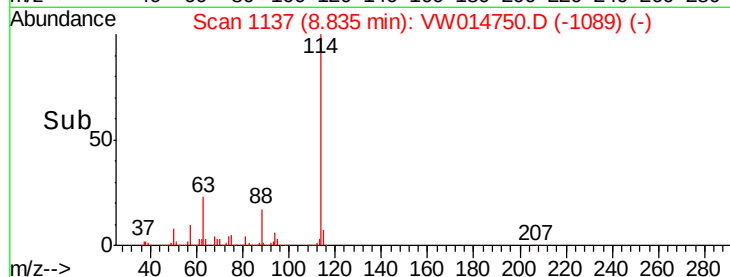
100000

0

8.84

8.70 8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 19.307 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014750.D

Acq: 24 Jan 2020 17:51

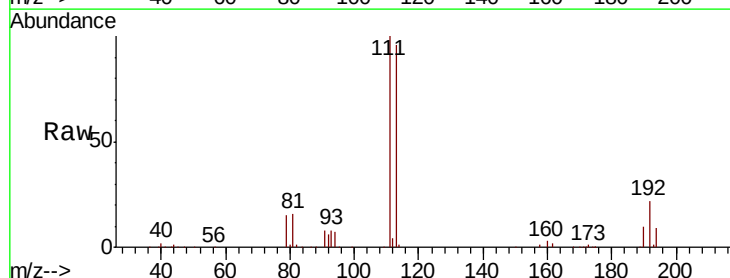
Tgt Ion:113 Resp: 108439

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 20.7 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

60000

50000

40000

30000

20000

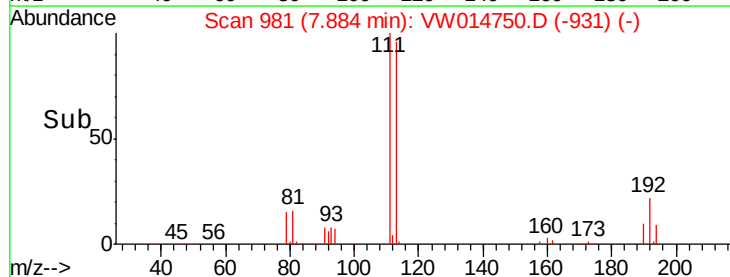
10000

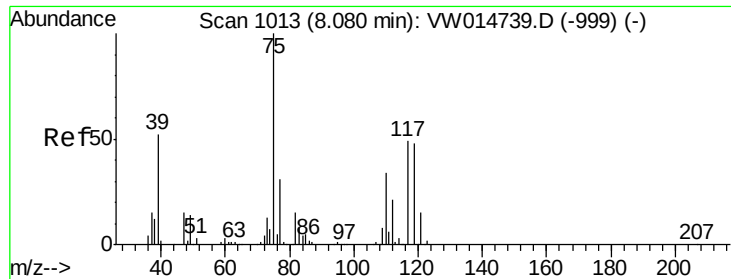
0

7.88

7.80 7.90 8.00

Time-->

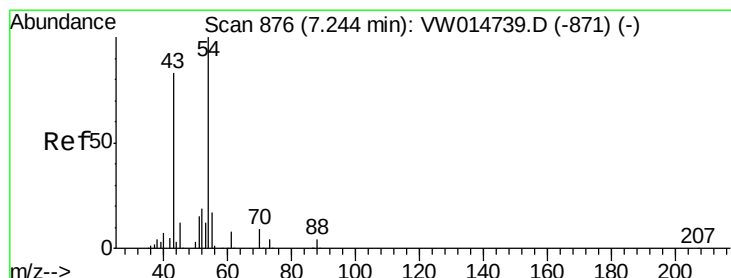
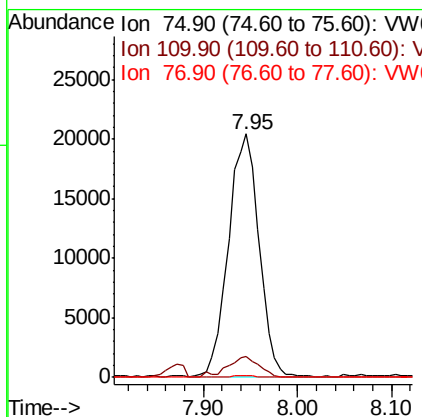
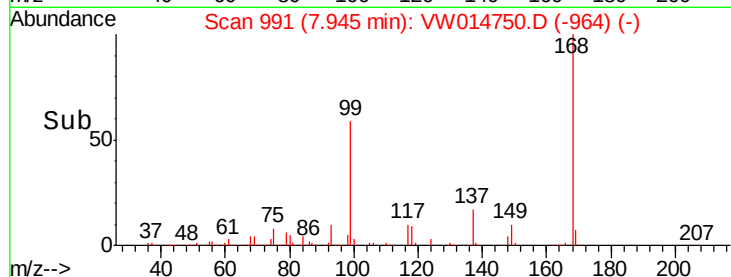
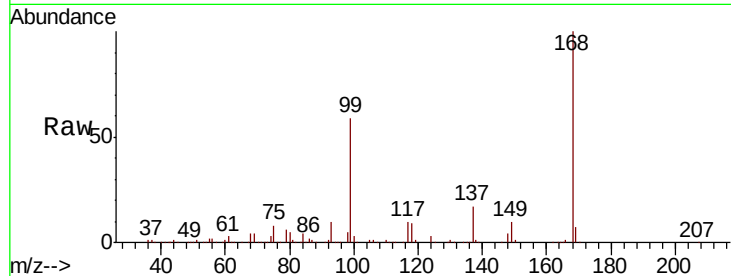




#36
 1,1-Dichloropropene
 Concen: 4.739 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014750.D
 Acq: 24 Jan 2020 17:51

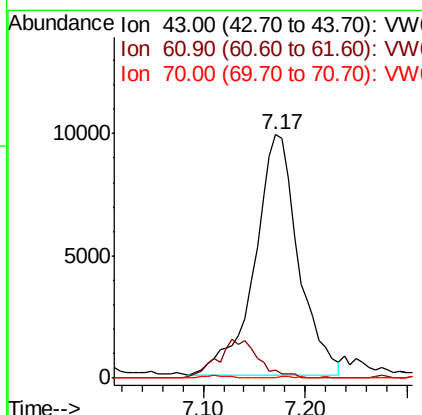
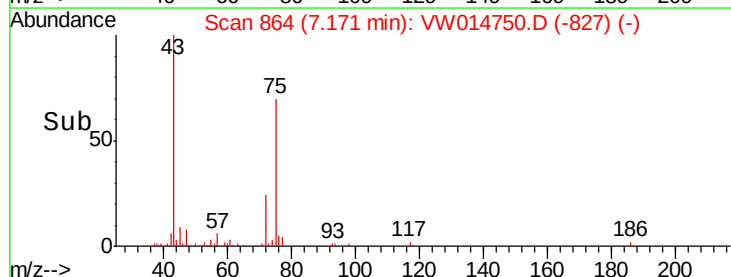
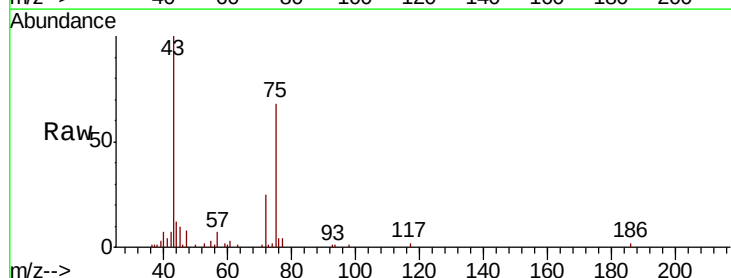
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 20200065-AMENDED-COMP-3

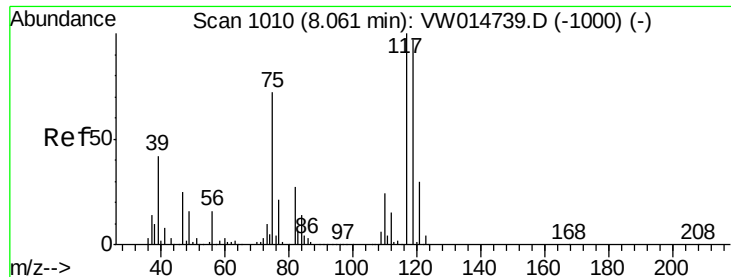
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.1	51.2#
77	0.5	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 6.746 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.07 min
 Lab File: VW014750.D
 Acq: 24 Jan 2020 17:51

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.2	8.5	12.7#





#38

Carbon Tetrachloride

Concen: 6.482 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014750.D

Acq: 24 Jan 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

20200065-AMENDED-COMP-3

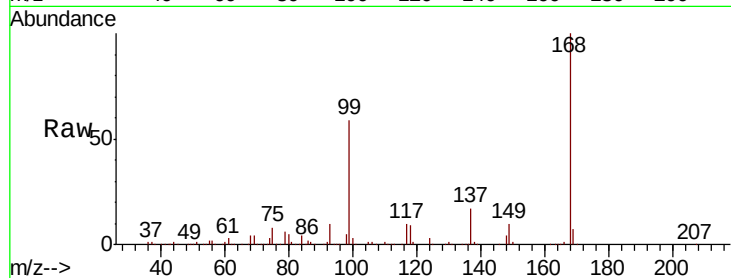
Tot Ion:117 Resp: 55241

Ion Ratio Lower Upper

117 100

119 6.6 77.5 116.3#

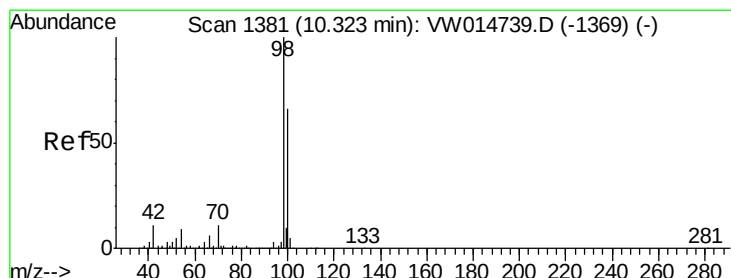
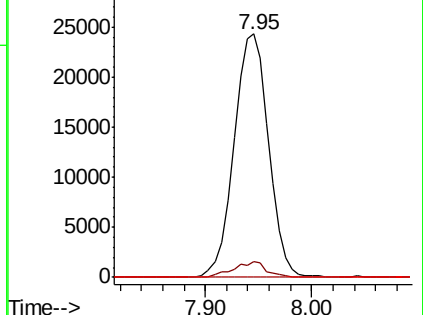
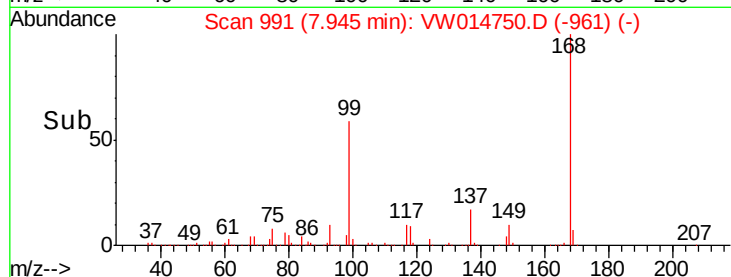
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: 49.215 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014750.D

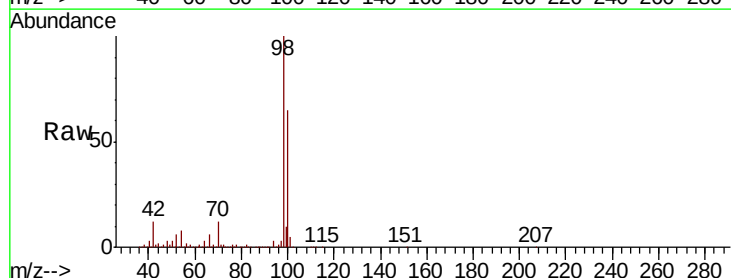
Acq: 24 Jan 2020 17:51

Tgt Ion: 98 Resp: 1139809

Ion Ratio Lower Upper

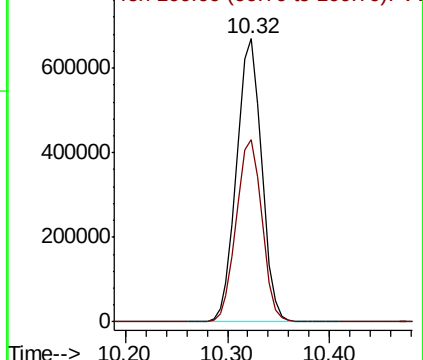
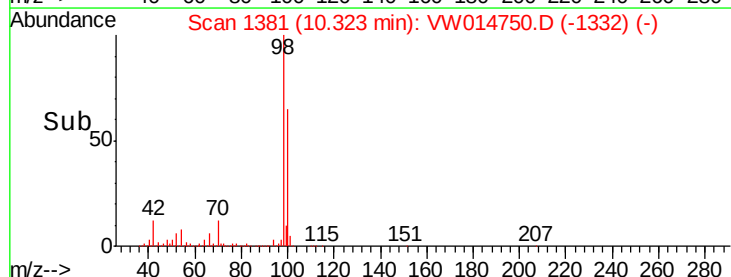
98 100

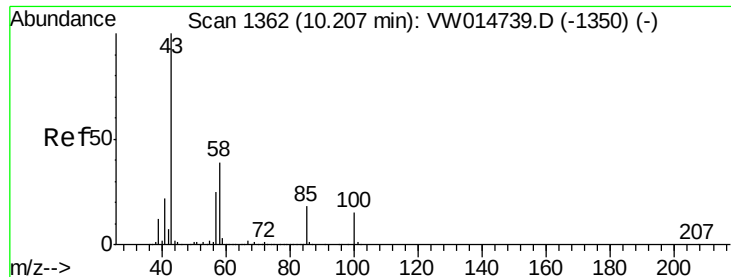
100 65.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.401 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014750.D

Acq: 24 Jan 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

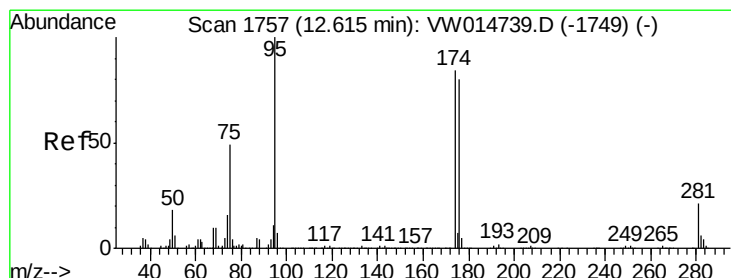
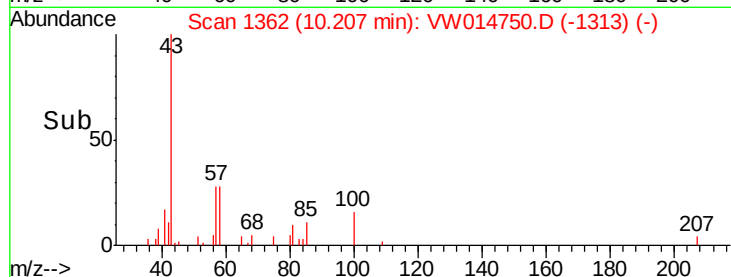
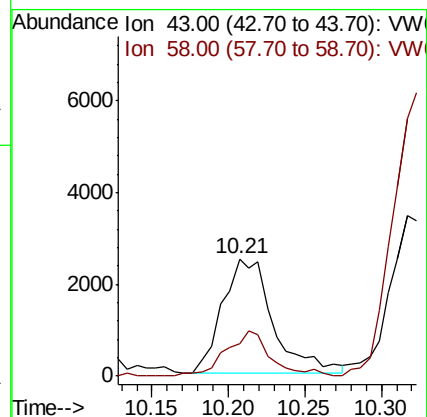
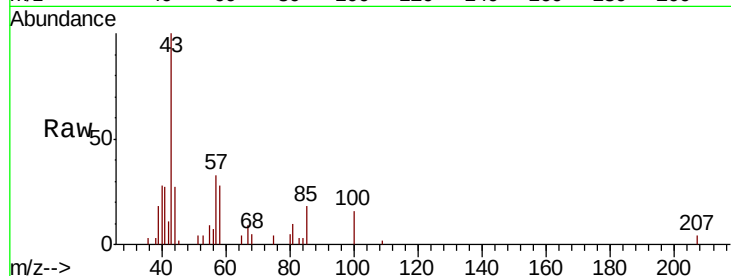
20200065-AMENDED-COMP-3

Tot Ion: 43 Resp: 5745

Ion Ratio Lower Upper

43 100

58 34.5 31.4 47.0



#62

4-Bromofluorobenzene

Concen: 46.349 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014750.D

Acq: 24 Jan 2020 17:51

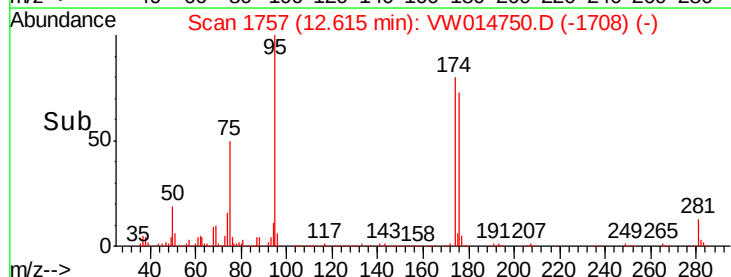
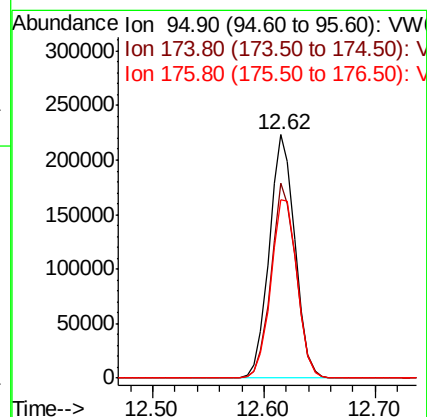
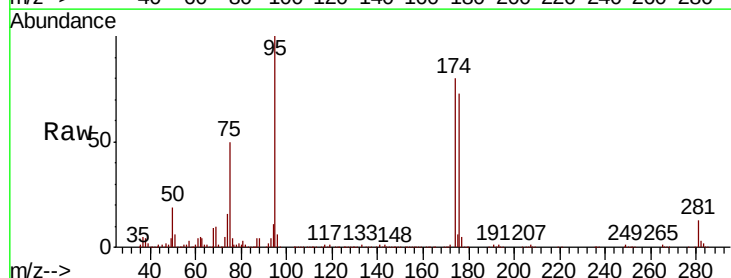
Tgt Ion: 95 Resp: 358894

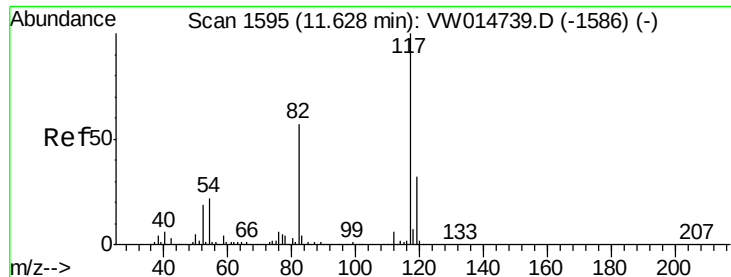
Ion Ratio Lower Upper

95 100

174 77.8 0.0 163.0

176 75.5 0.0 159.2

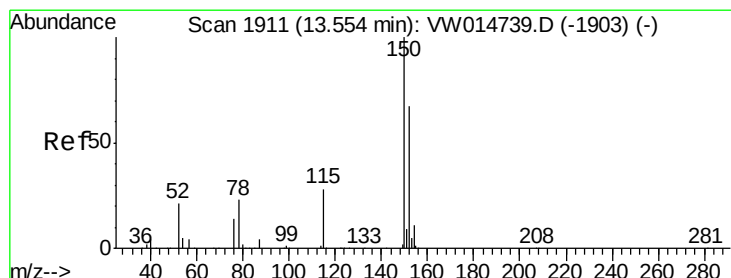
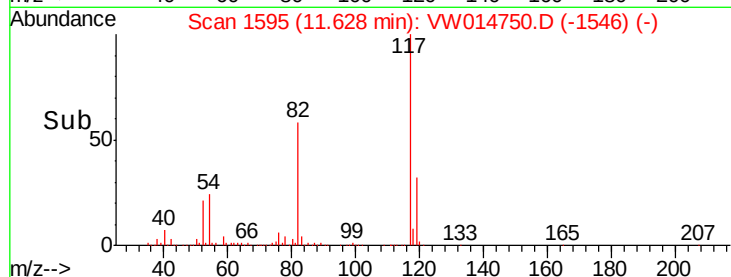
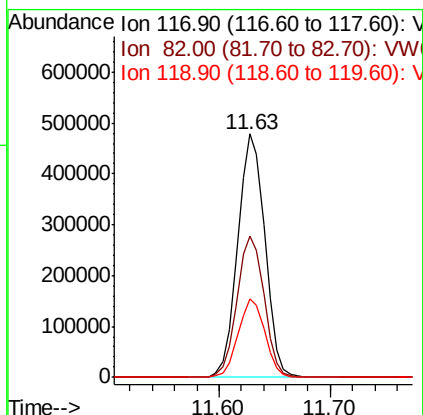
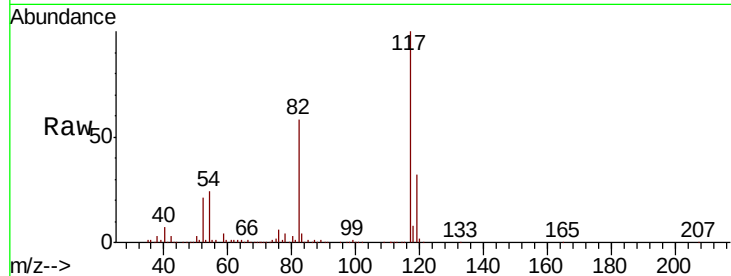




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014750.D
Acq: 24 Jan 2020 17:51

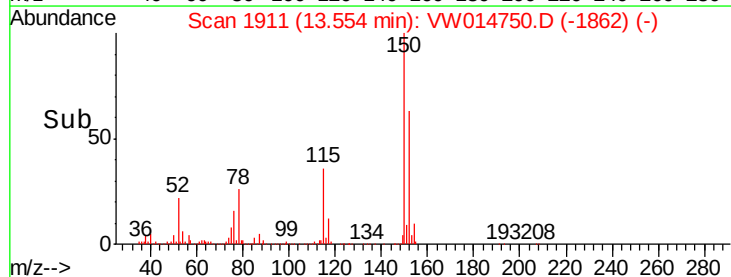
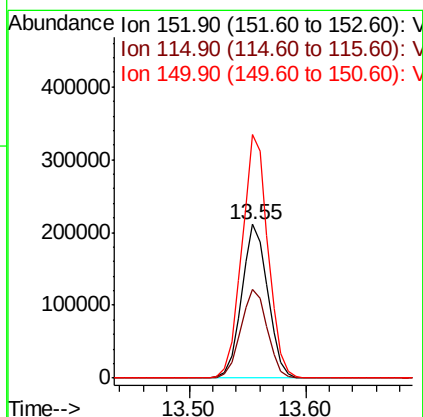
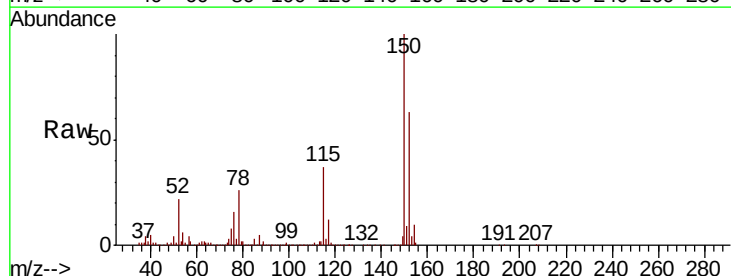
Instrument :
MSVOA_W
ClientSampleId :
20200065-AMENDED-COMP-3

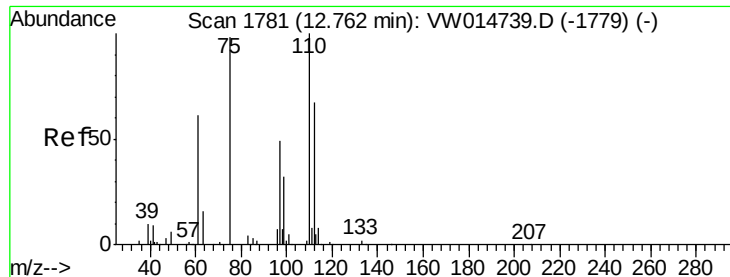
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.9	68.9
119	32.3	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014750.D
Acq: 24 Jan 2020 17:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.0	87.1
150	158.0	0.0	354.0

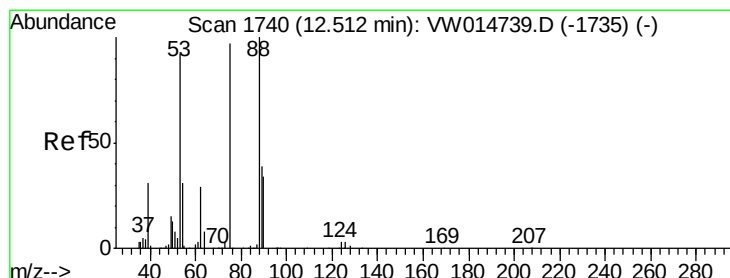
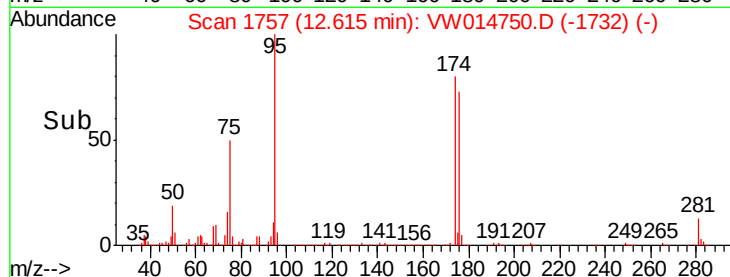
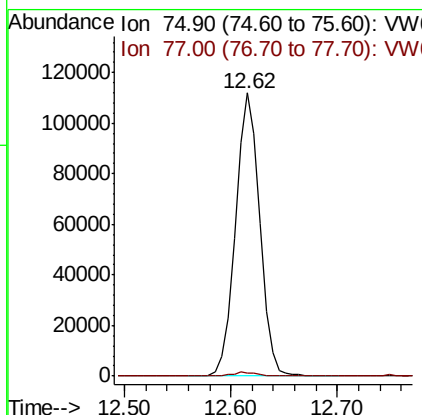
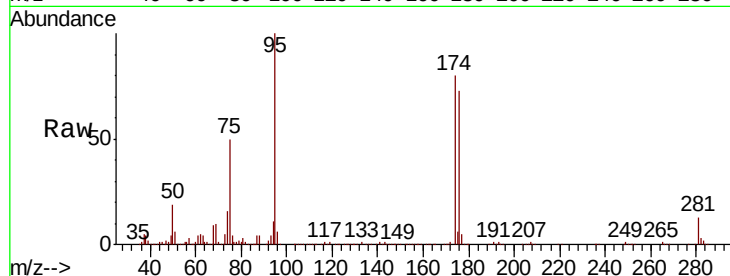




#76
 1,2,3-Trichloropropane
 Concen: 54.585 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014750.D
 Acq: 24 Jan 2020 17:51

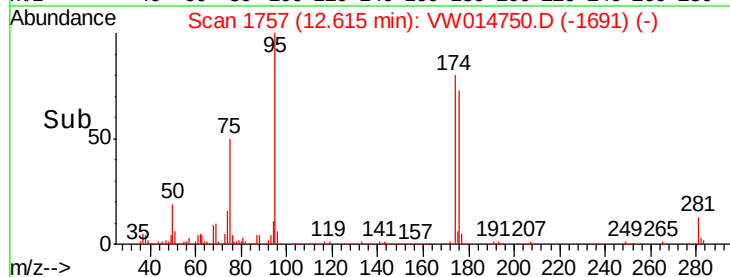
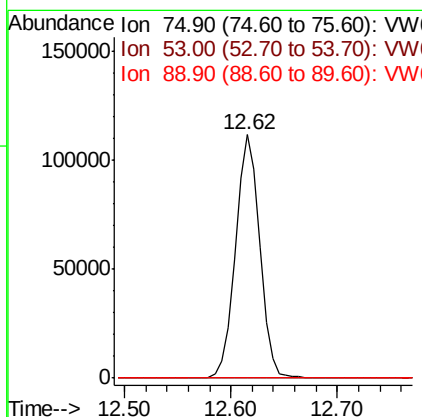
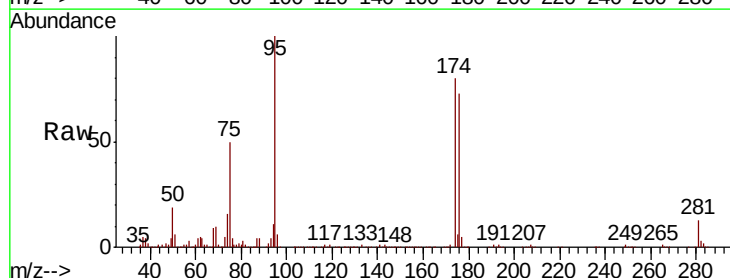
Instrument :
 MSVOA_W
 ClientSampleId :
 20200065-AMENDED-COMP-3

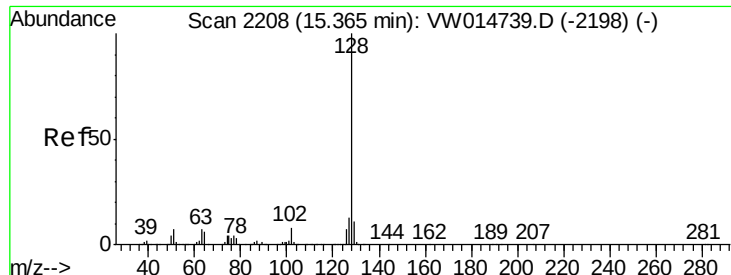
Tot Ion: 75 Resp: 178434
 Ion Ratio Lower Upper
 75 100
 77 1.4 167.9 503.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.186 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW014750.D
 Acq: 24 Jan 2020 17:51

Tgt Ion: 75 Resp: 178434
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.0 115.4#
 89 0.0 35.2 52.8#

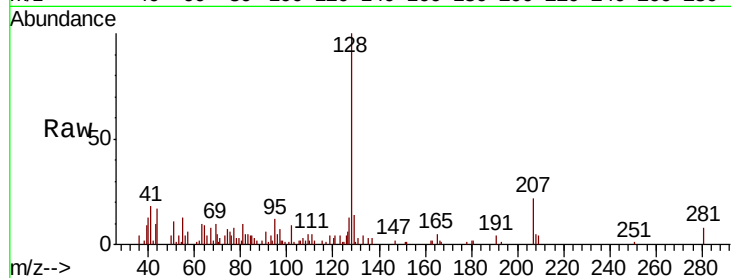




#95
Naphthalene
Concen: 1.761 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014750.D
Acq: 24 Jan 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :
20200065-AMENDED-COMP-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	16.5	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

