

Data File : VW011179.D
Acq On : 09 Jul 2019 15:14
Operator : SY/VA
Sample : K3703-02RE
Misc : 4.21G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-EF-01-015-ABCD

Quant Time: Jul 10 04:30:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 07:16:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	326808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122579	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	7.88	113	99098	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.32	98	403082	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.62	95	124774	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	

Target Compounds

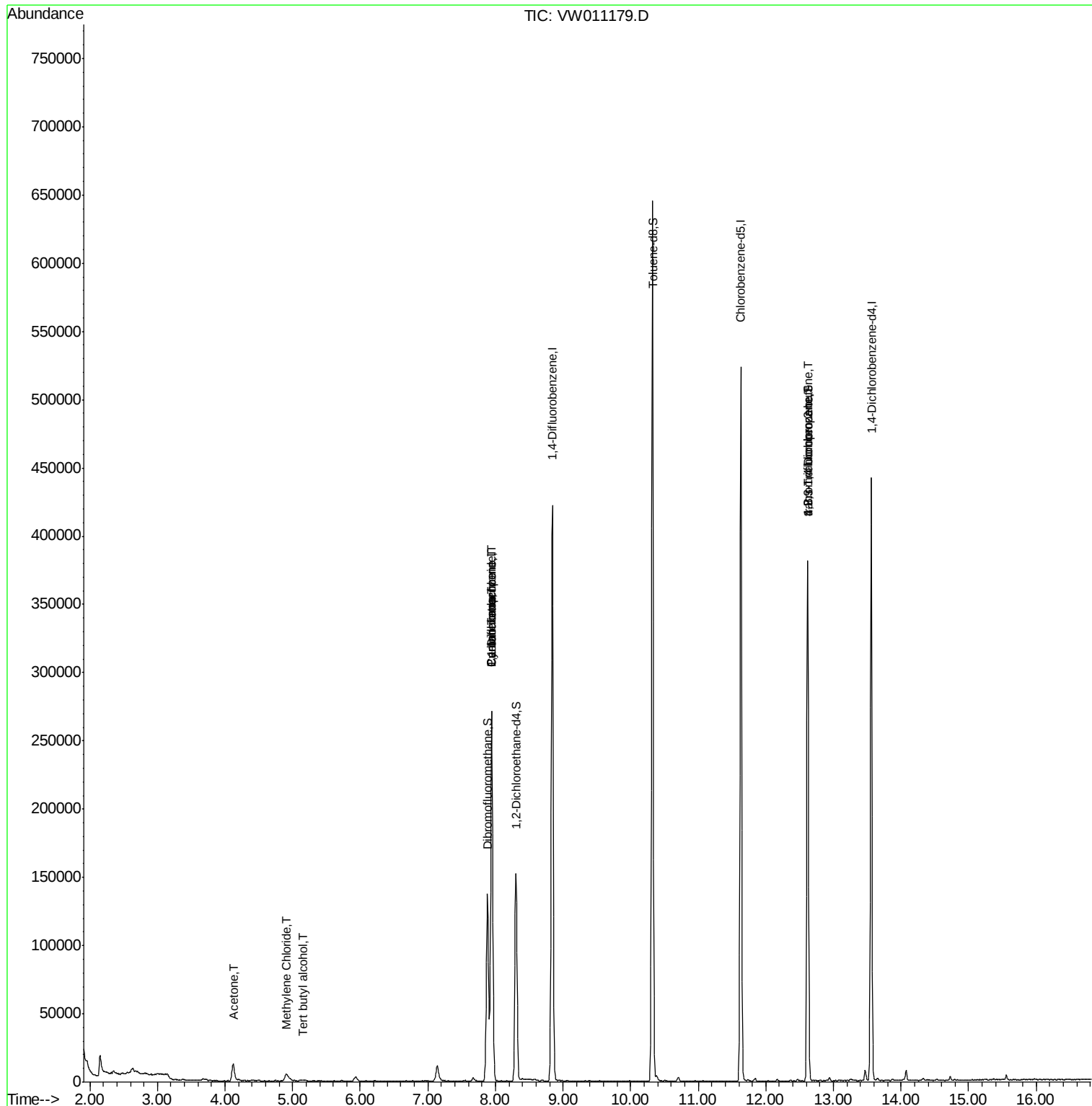
						Qvalue
11) Tert butyl alcohol	5.16	59	453	2.484	ug/l #	70
16) Acetone	4.12	43	22977	38.762	ug/l	93
18) Methyl Acetate	4.66	43	94	Below Cal	#	57
20) Methylene Chloride	4.91	84	4046	1.730	ug/l #	87
31) Cyclohexane	7.95	56	6895	1.445	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	17342	4.983	ug/l #	53
38) Carbon Tetrachloride	7.95	117	19551	6.627	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	67133	53.561	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67133	121.145	ug/l #	5

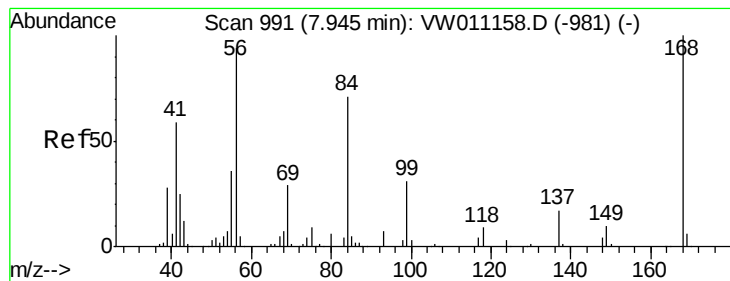
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011179.D

Acq: 09 Jul 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

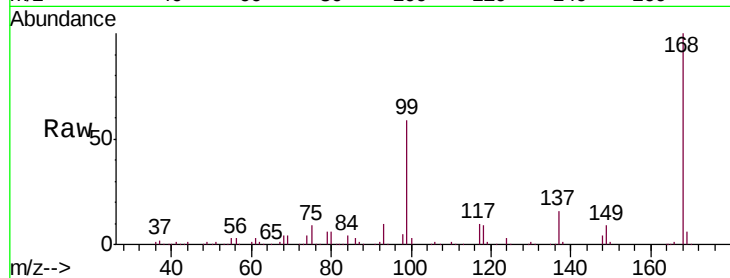
FK-EF-01-015-ABCD

Tgt Ion:168 Resp: 196063

Ion Ratio Lower Upper

168 100

99 59.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

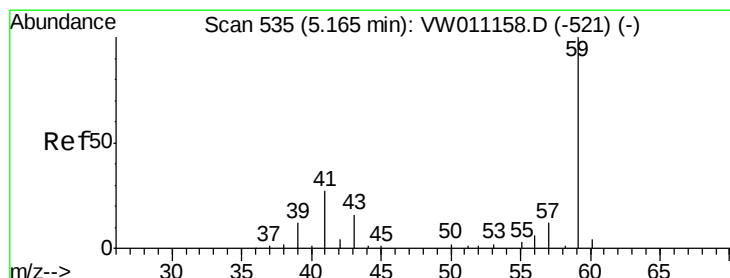
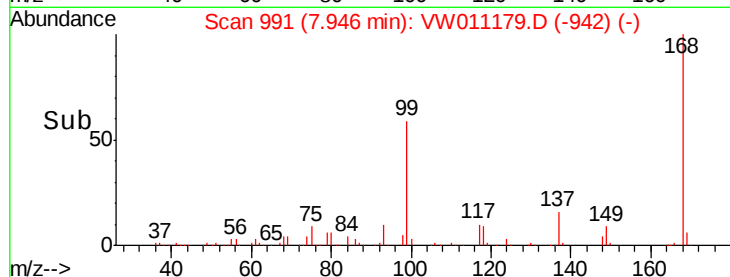
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.484 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011179.D

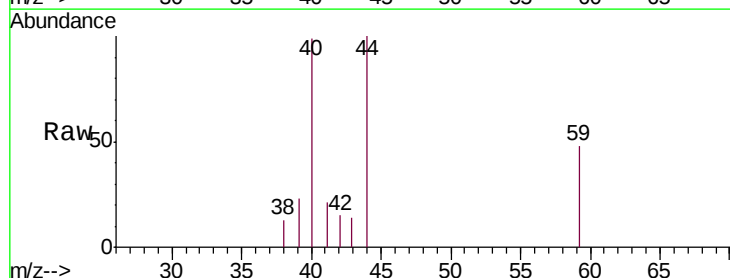
Acq: 09 Jul 2019 15:14

Tgt Ion: 59 Resp: 453

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

200

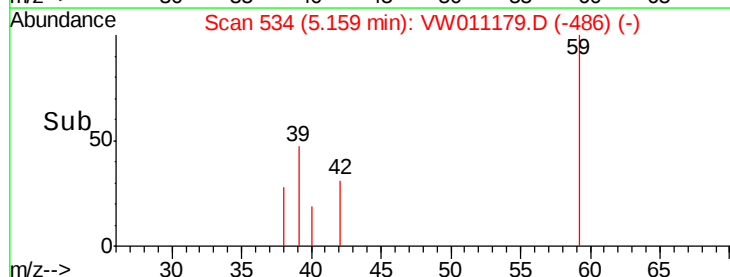
150

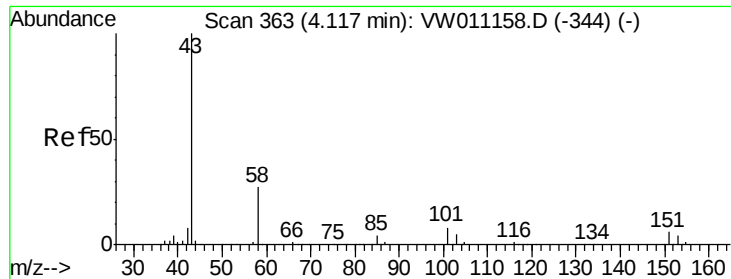
100

50

0

Time-->





#16

Acetone

Concen: 38.762 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011179.D

Acq: 09 Jul 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

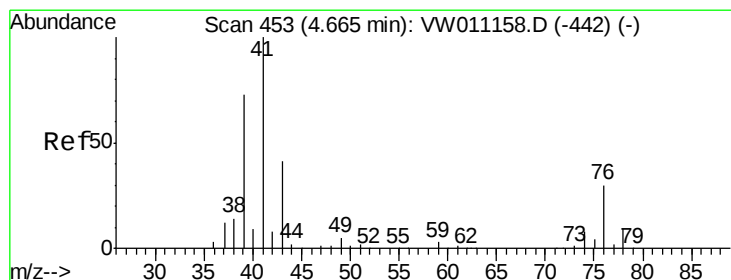
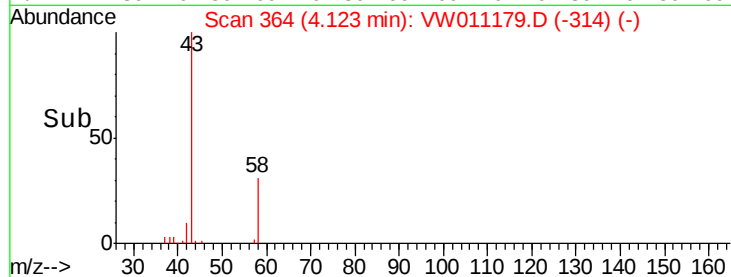
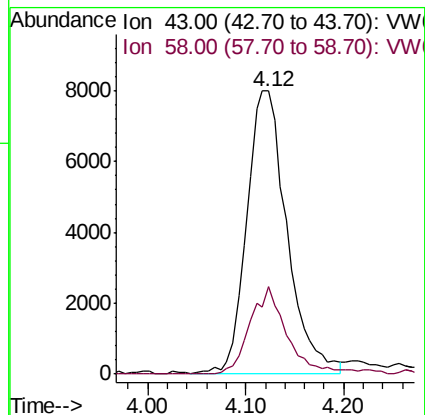
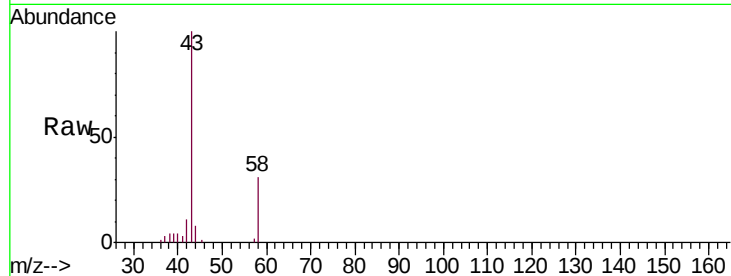
FK-EF-01-015-ABCD

Tgt Ion: 43 Resp: 22977

Ion Ratio Lower Upper

43 100

58 30.7 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011179.D

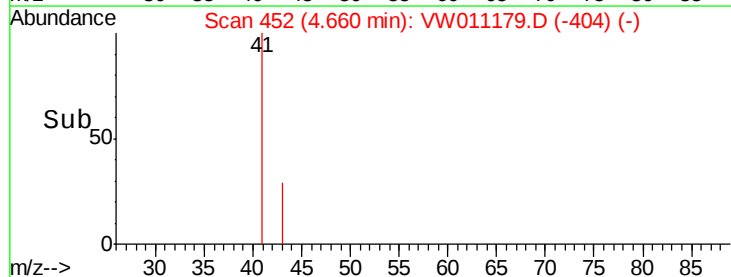
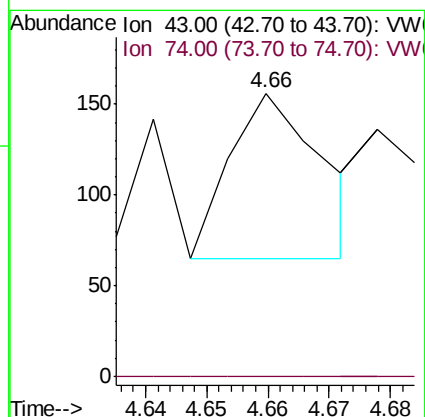
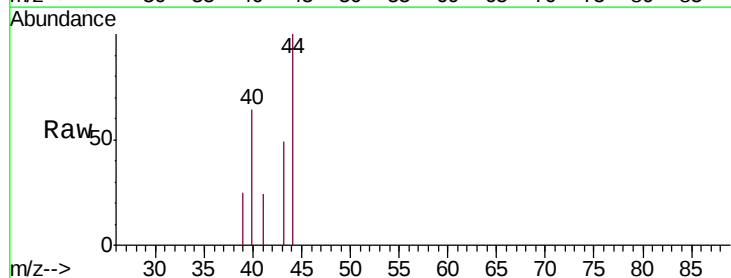
Acq: 09 Jul 2019 15:14

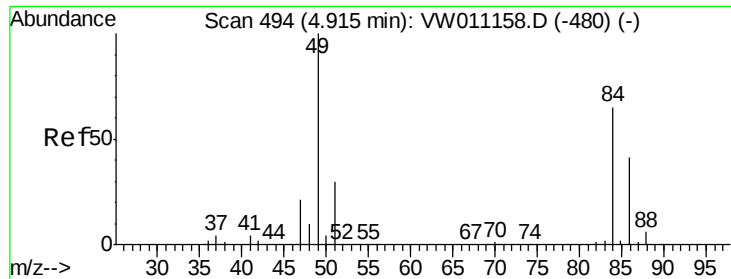
Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

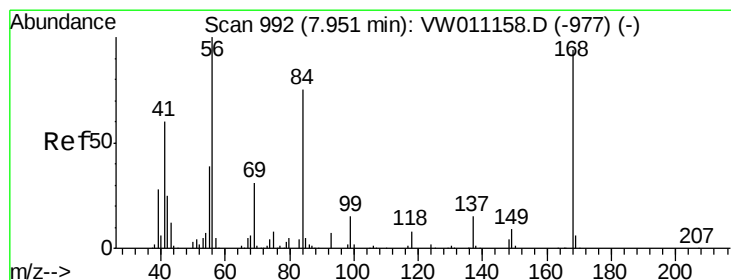
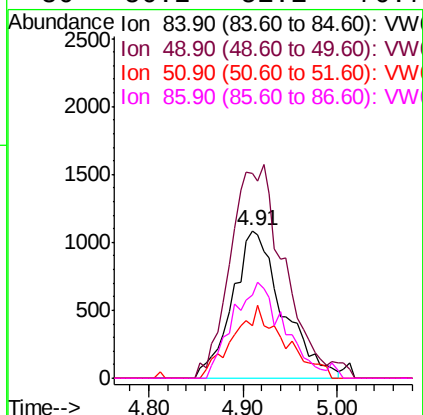
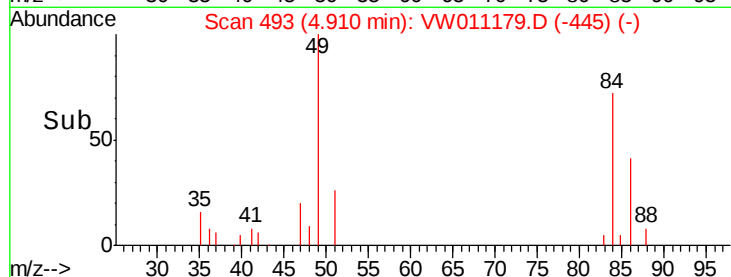
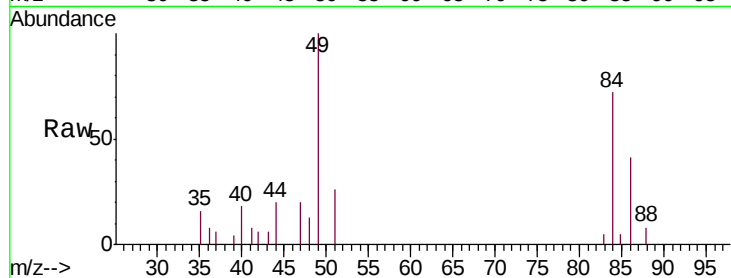




#20
Methylene Chloride
Concen: 1.730 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011179.D
Acq: 09 Jul 2019 15:14

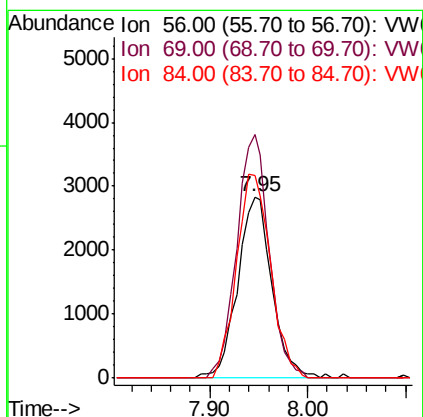
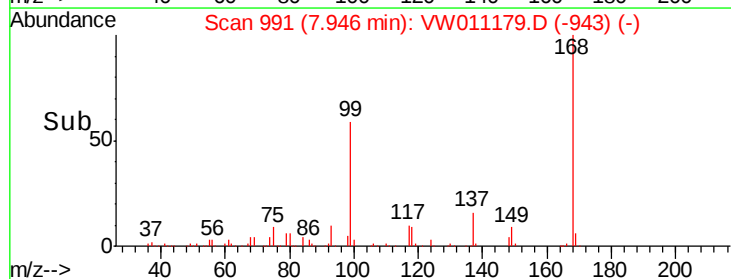
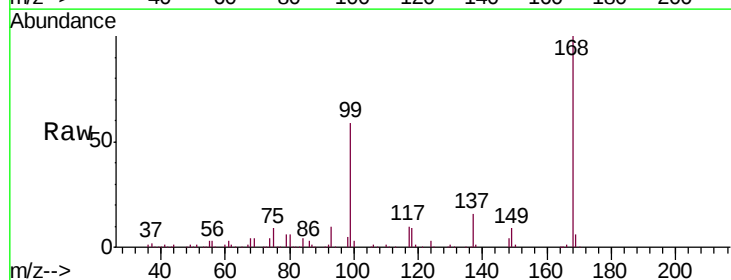
Instrument :
MSVOA_W
ClientSampleId :
FK-EF-01-015-ABCD

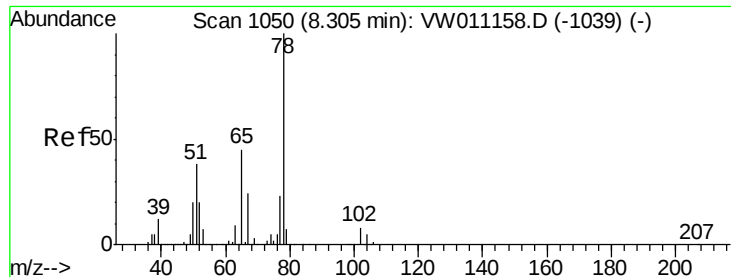
Tgt Ion: 84 Resp: 4046
Ion Ratio Lower Upper
84 100
49 138.5 123.8 185.6
51 35.8 37.4 56.2#
86 56.2 51.1 76.7



#31
Cyclohexane
Concen: 1.445 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011179.D
Acq: 09 Jul 2019 15:14

Tgt Ion: 56 Resp: 6895
Ion Ratio Lower Upper
56 100
69 134.2 24.6 36.8#
84 111.7 60.1 90.1#





#33

1,2-Dichloroethane-d4

Concen: 49.756 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011179.D

Acq: 09 Jul 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

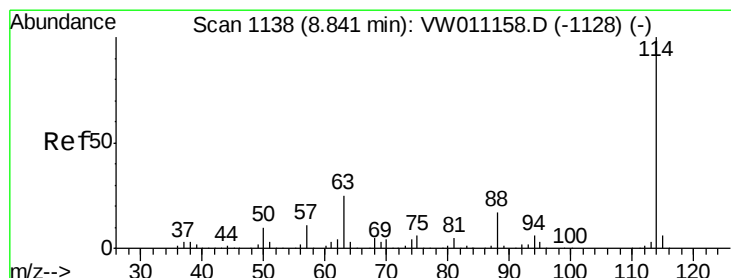
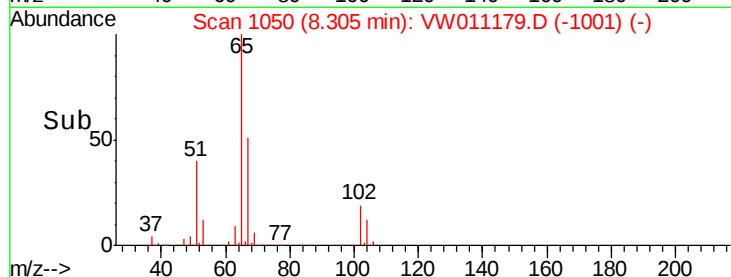
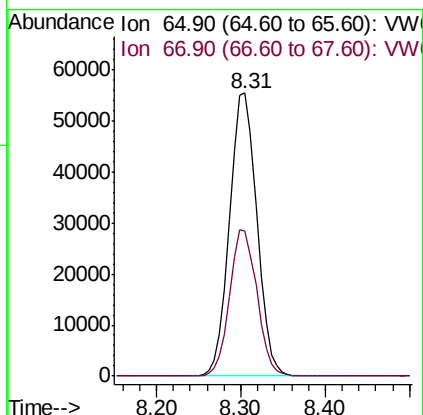
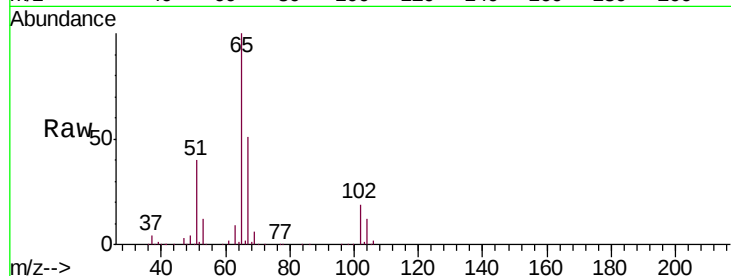
FK-EF-01-015-ABCD

Tgt Ion: 65 Resp: 122579

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011179.D

Acq: 09 Jul 2019 15:14

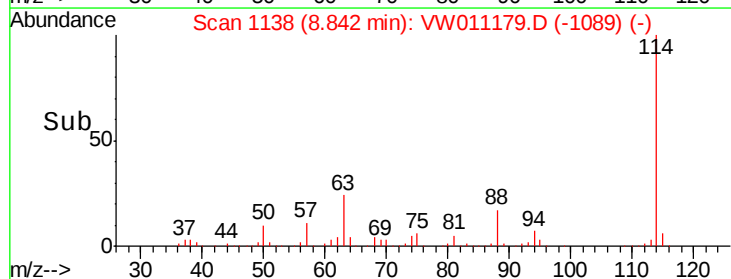
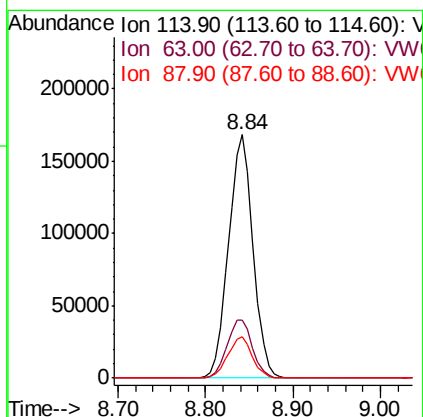
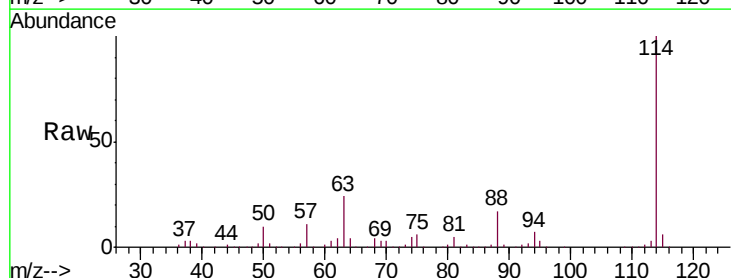
Tgt Ion: 114 Resp: 326808

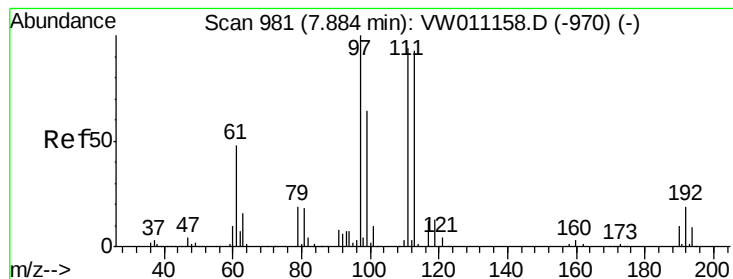
Ion Ratio Lower Upper

114 100

63 24.1 0.0 50.8

88 17.0 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.874 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011179.D

Acq: 09 Jul 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

FK-EF-01-015-ABCD

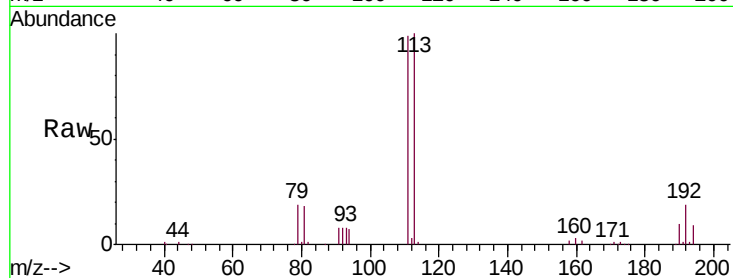
Tgt Ion:113 Resp: 99098

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

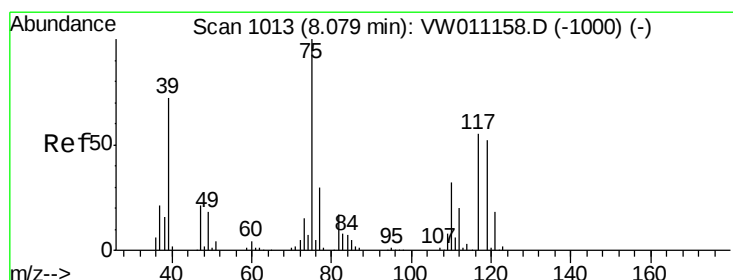
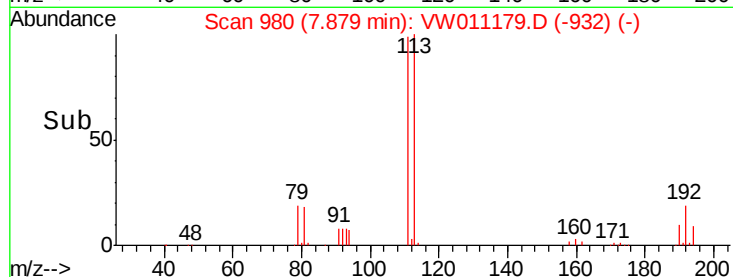
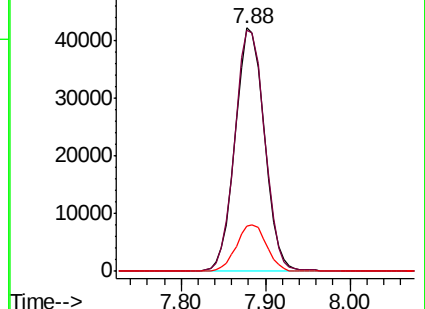
192 19.6 15.8 23.8



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



#36

1,1-Dichloropropene

Concen: 4.983 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011179.D

Acq: 09 Jul 2019 15:14

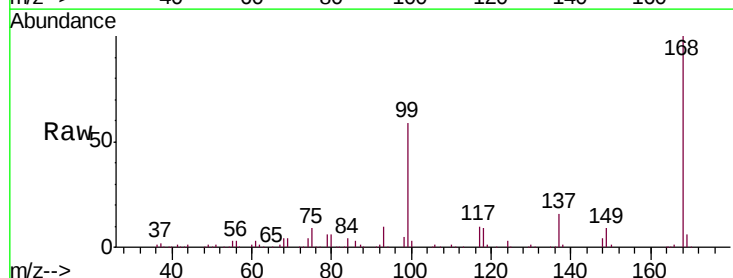
Tgt Ion: 75 Resp: 17342

Ion Ratio Lower Upper

75 100

110 9.6 15.9 47.6#

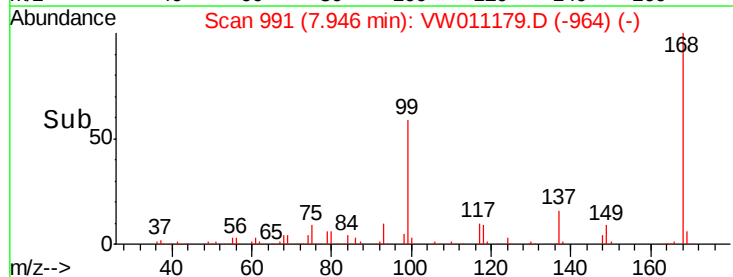
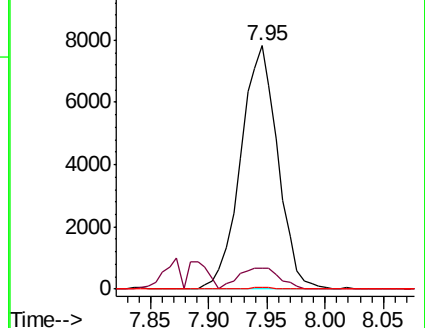
77 0.4 24.6 36.8#

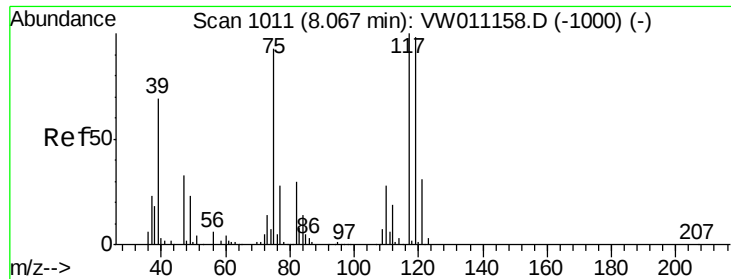


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

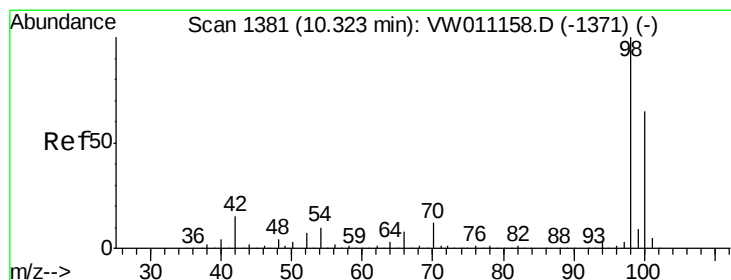
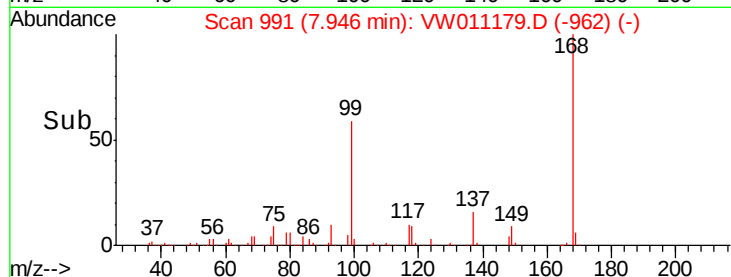
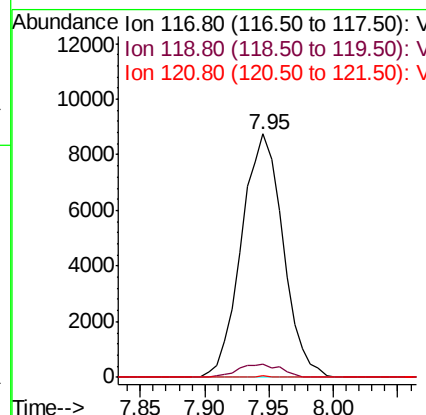
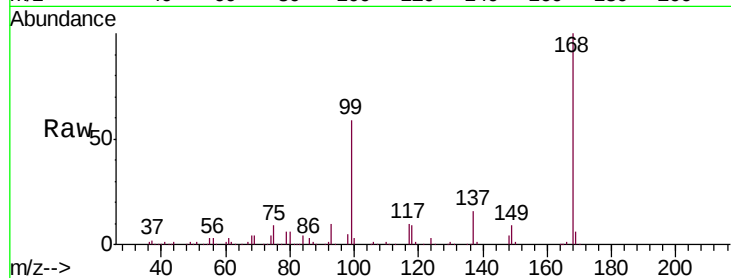




#38
Carbon Tetrachloride
Concen: 6.627 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011179.D
Acq: 09 Jul 2019 15:14

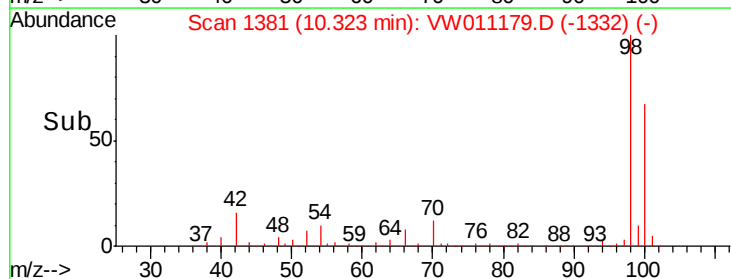
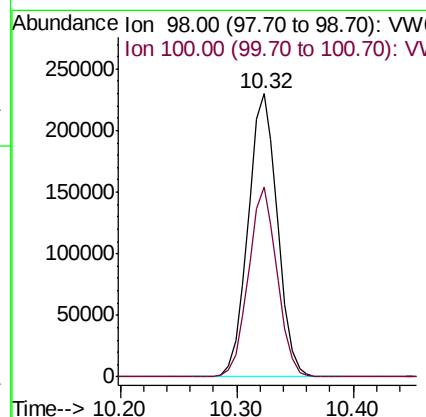
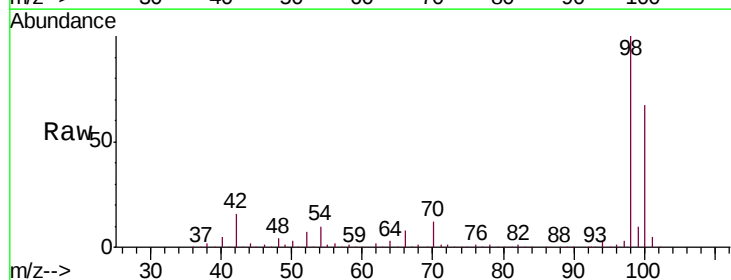
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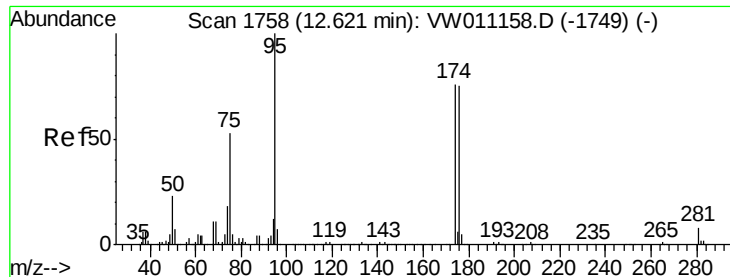
Tgt Ion: 117 Resp: 19551
Ion Ratio Lower Upper
117 100
119 5.5 78.1 117.1#
121 0.6 25.1 37.7#



#50
Toluene-d8
Concen: 51.193 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011179.D
Acq: 09 Jul 2019 15:14

Tgt Ion: 98 Resp: 403082
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6

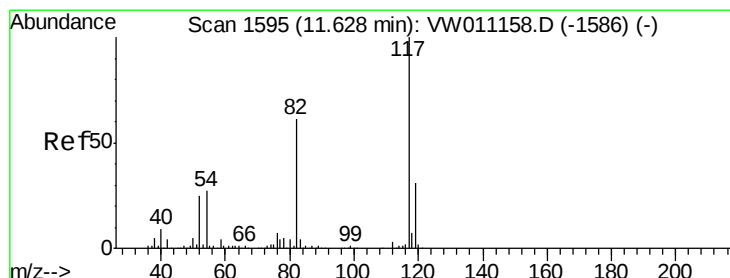
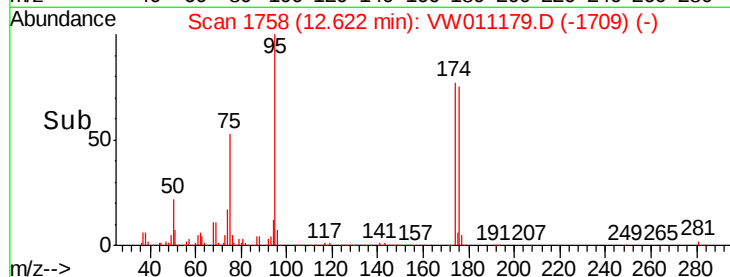
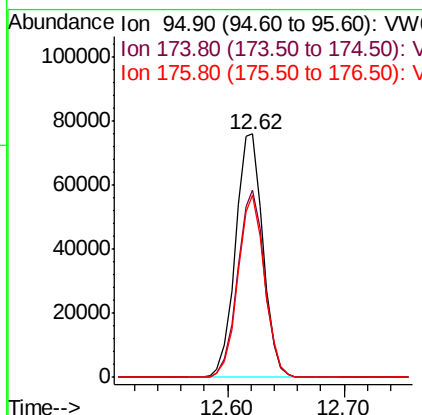
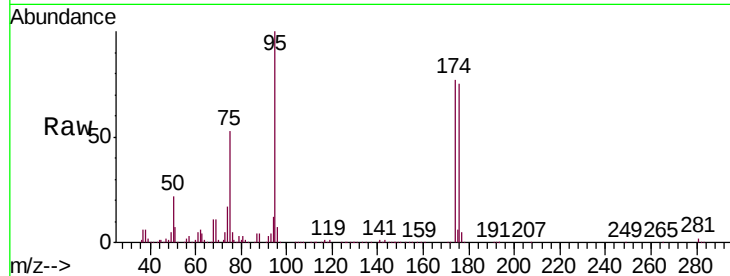




#62
4-Bromofluorobenzene
Concen: 43.234 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW011179.D
Acq: 09 Jul 2019 15:14

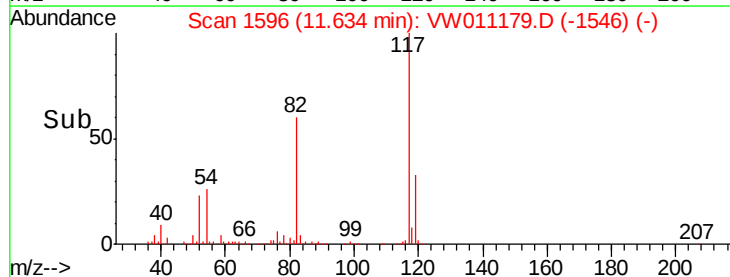
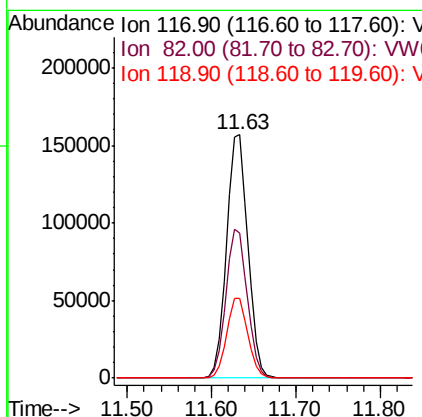
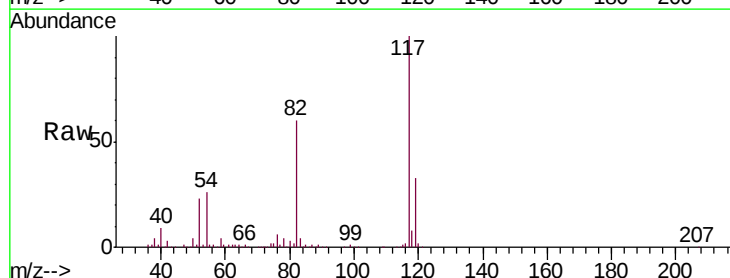
Instrument :
MSVOA_W
ClientSampleId :
FK-EF-01-015-ABCD

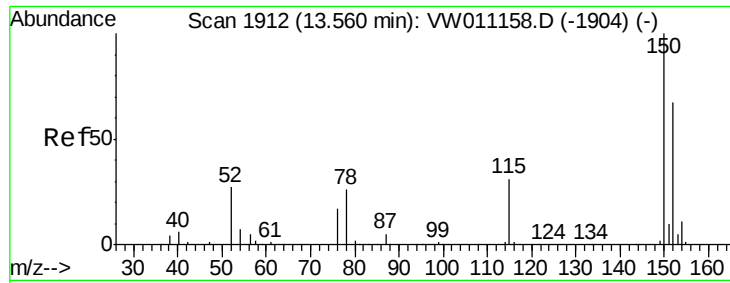
Tgt Ion: 95 Resp: 124774
Ion Ratio Lower Upper
95 100
174 75.2 0.0 147.6
176 72.6 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011179.D
Acq: 09 Jul 2019 15:14

Tgt Ion: 117 Resp: 268886
Ion Ratio Lower Upper
117 100
82 59.6 48.9 73.3
119 32.6 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011179.D

Acq: 09 Jul 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

FK-EF-01-015-ABCD

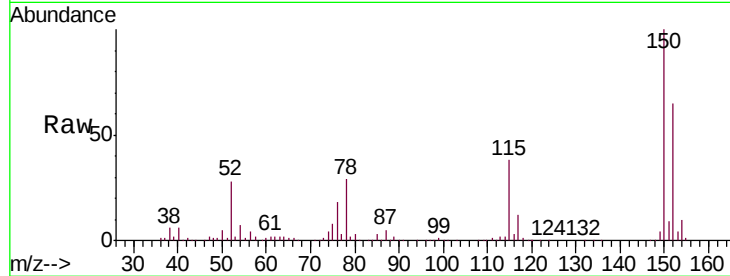
Tgt Ion:152 Resp: 108460

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

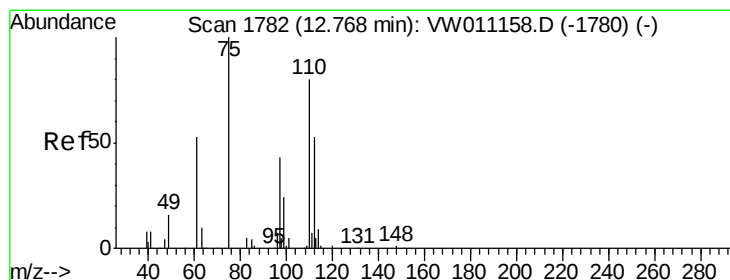
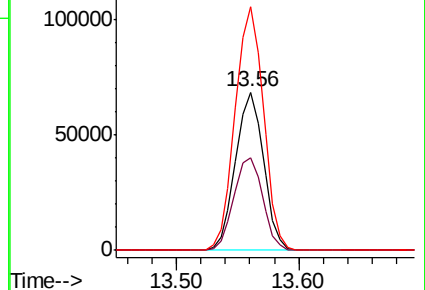
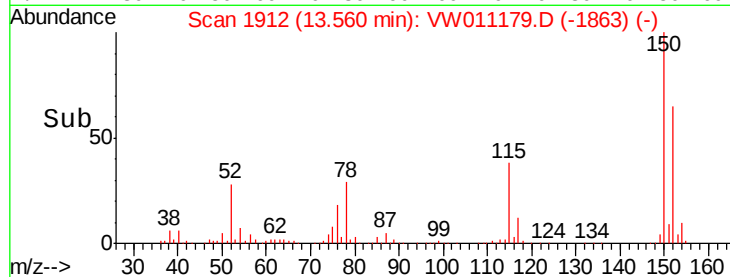
150 155.9 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 53.561 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011179.D

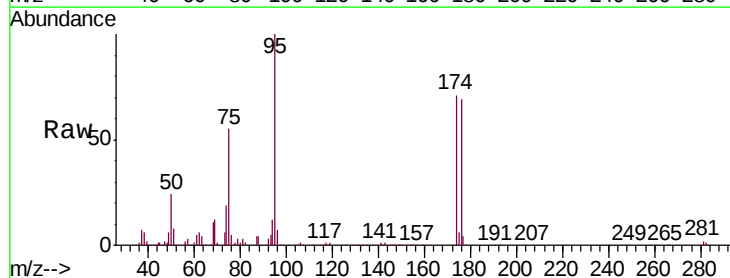
Acq: 09 Jul 2019 15:14

Tgt Ion: 75 Resp: 67133

Ion Ratio Lower Upper

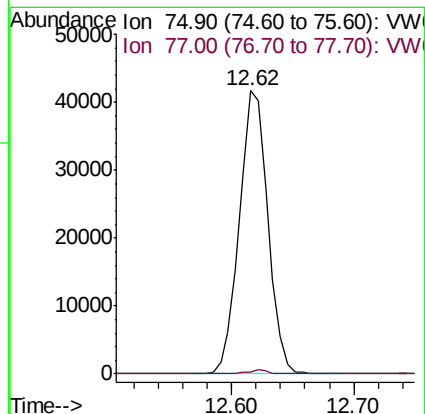
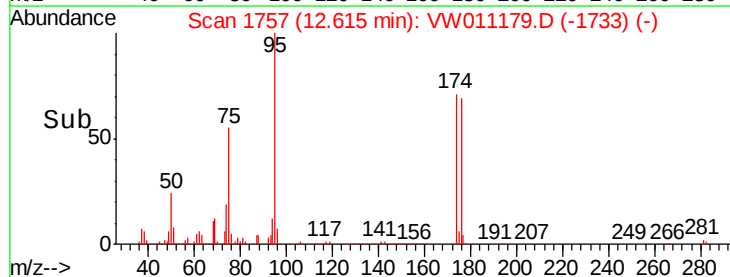
75 100

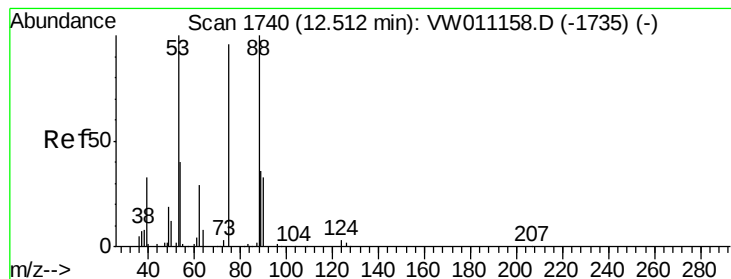
77 1.2 0.0 0.0#



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: 121.145 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011179.D

Acq: 09 Jul 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

FK-EF-01-015-ABCD

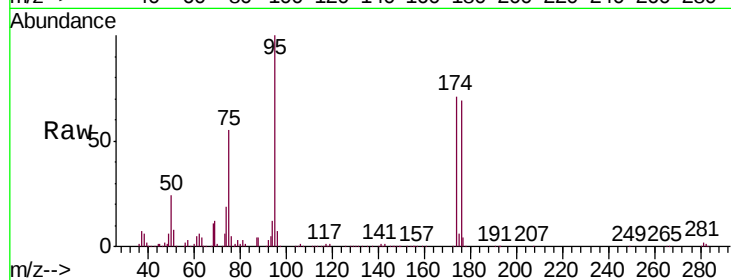
Tgt Ion: 75 Resp: 67133

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.0 34.3 51.5#



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

