

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010026.D
 Acq On : 17 Apr 2019 19:51
 Operator : SY/VA
 Sample : K2414-02
 Misc : 5.78G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-044

Quant Time: Apr 18 02:47:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	291055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	515816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	417810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147383	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	209940	58.45	ug/l	0.00
Spiked Amount			Recovery	=	116.90%	
35) Dibromofluoromethane	7.88	113	164121	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.32	98	520981	42.40	ug/l	0.00
Spiked Amount			Recovery	=	84.80%	
62) 4-Bromofluorobenzene	12.62	95	160650	35.97	ug/l	0.00
Spiked Amount			Recovery	=	71.94%	

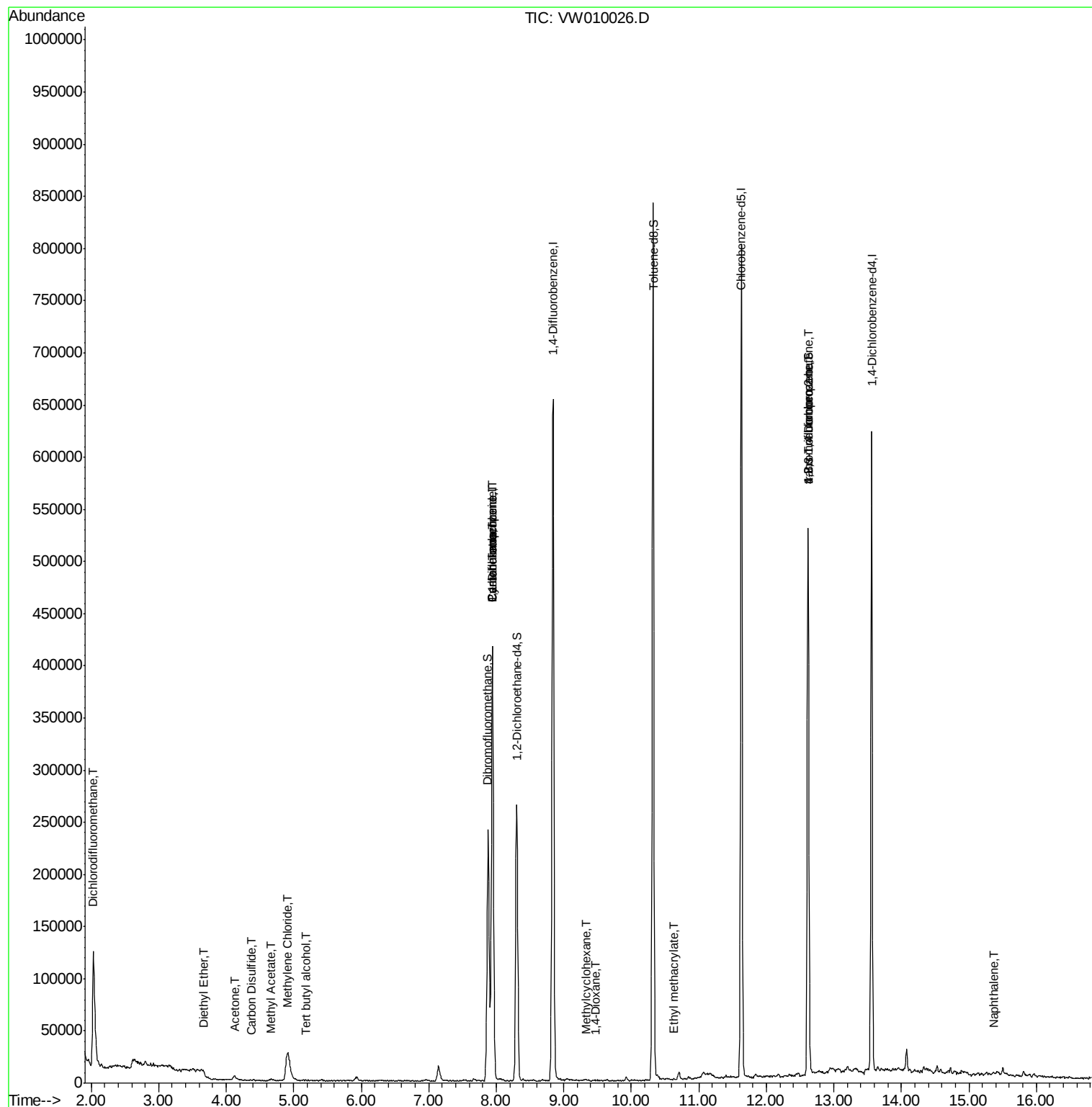
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.04	85	3649	1.644	ug/l	89
8) Diethyl Ether	3.68	74	2014	1.357	ug/l	82
11) Tert butyl alcohol	5.18	59	1130	5.523	ug/l #	80
16) Acetone	4.12	43	7724	9.268	ug/l	93
17) Carbon Disulfide	4.38	76	71	1.347	ug/l #	74
18) Methyl Acetate	4.67	43	3059	1.586	ug/l #	84
20) Methylene Chloride	4.91	84	25606	3.937	ug/l	94
31) Cyclohexane	7.94	56	8466	1.457	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	27362	5.193	ug/l #	50
38) Carbon Tetrachloride	7.94	117	31462	6.118	ug/l #	18
39) Methylcyclohexane	9.34	83	492	1.272	ug/l #	51
49) 1,4-Dioxane	9.46	88	52	1.734	ug/l #	1
56) Ethyl methacrylate	10.63	69	188	2.688	ug/l #	68
76) 1,2,3-Trichloropropane	12.62	75	90595	61.417	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90595	144.818	ug/l #	6
95) Naphthalene	15.36	128	1332	2.865	ug/l #	71

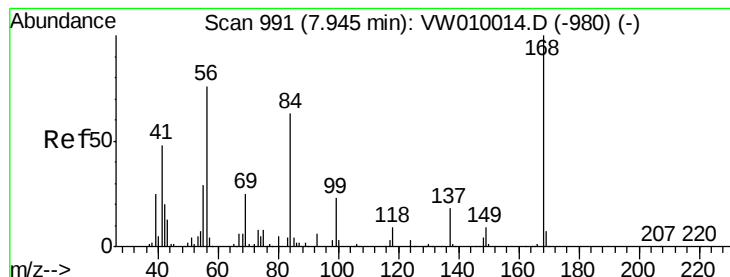
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
Data File : VW010026.D
Acq On : 17 Apr 2019 19:51
Operator : SY/VA
Sample : K2414-02
Misc : 5.78G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-044

Quant Time: Apr 18 02:47:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

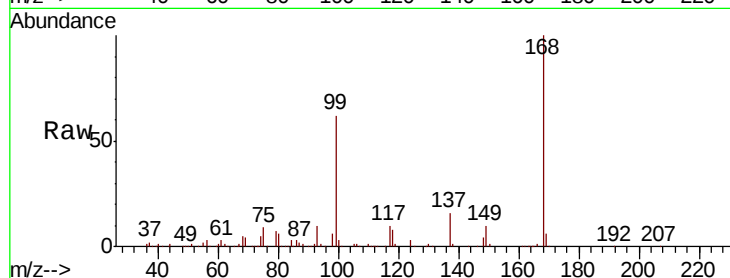
FK-PS-01-044

Tgt Ion:168 Resp: 291055

Ion Ratio Lower Upper

168 100

99 61.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

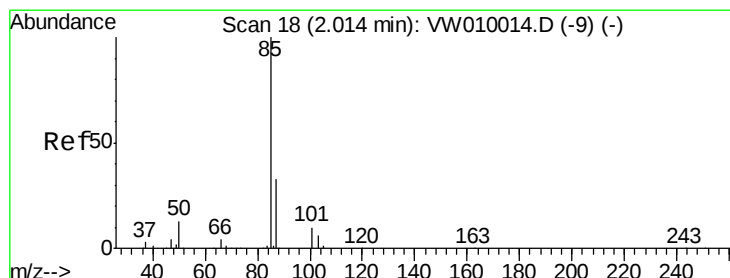
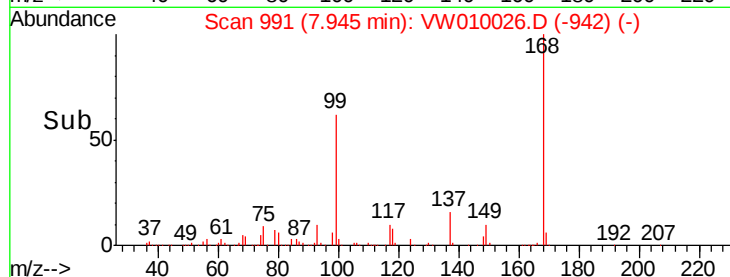
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.644 ug/l

RT: 2.04 min Scan# 22

Delta R.T. 0.02 min

Lab File: VW010026.D

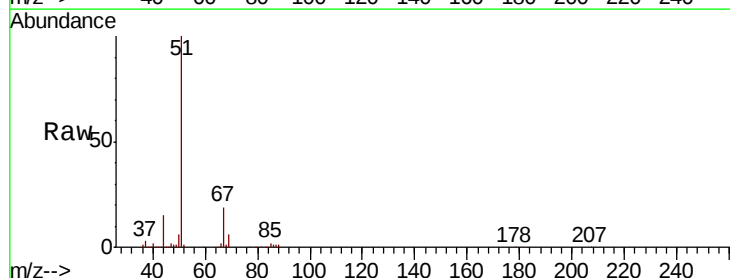
Acq: 17 Apr 2019 19:51

Tgt Ion: 85 Resp: 3649

Ion Ratio Lower Upper

85 100

87 38.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

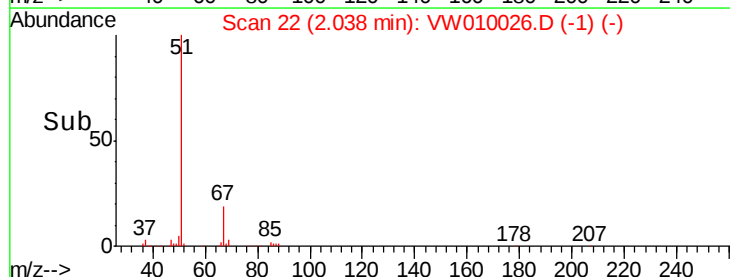
2.04

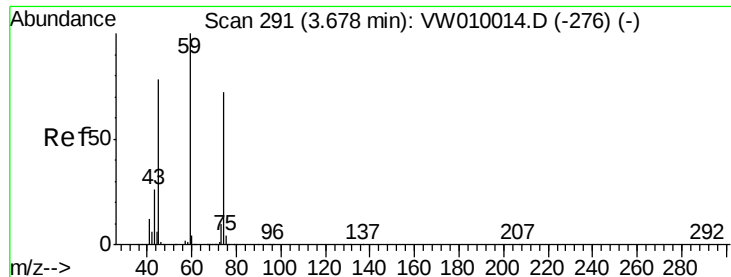
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 1.357 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

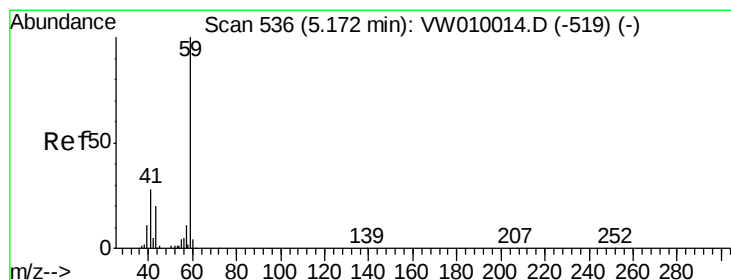
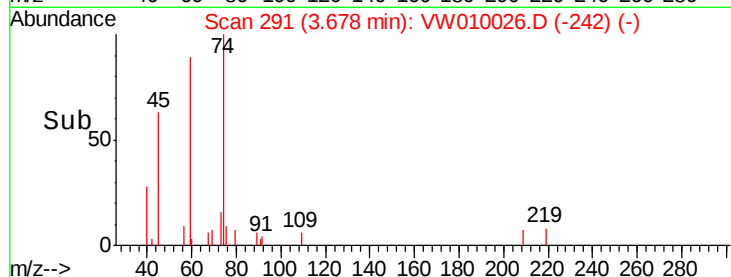
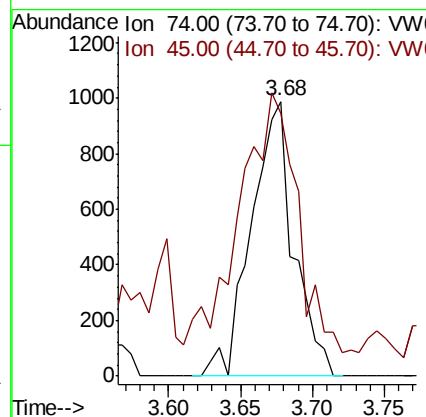
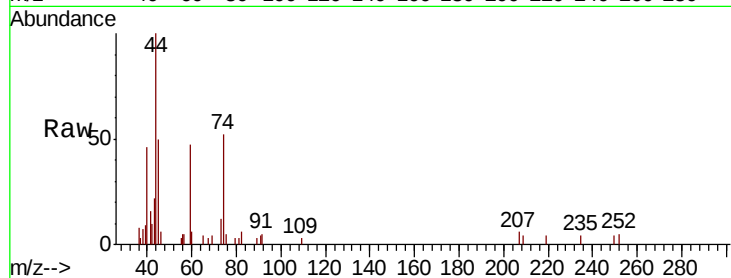
FK-PS-01-044

Tgt Ion: 74 Resp: 2014

Ion Ratio Lower Upper

74 100

45 130.9 56.0 168.0



#11

Tert butyl alcohol

Concen: 5.523 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010026.D

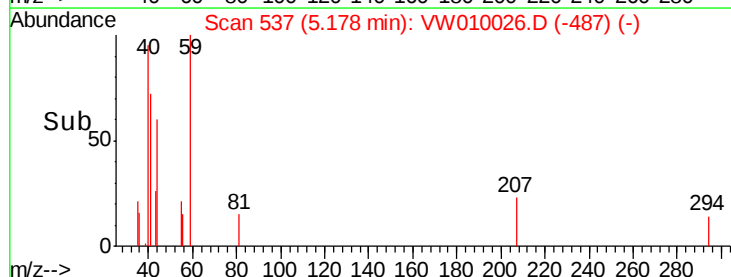
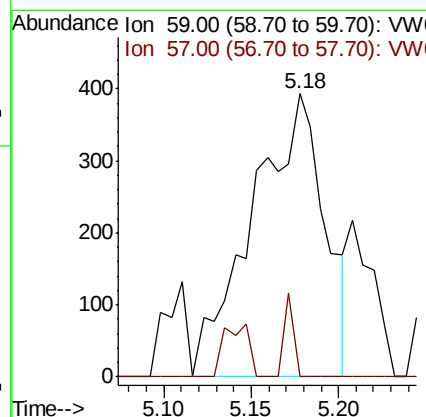
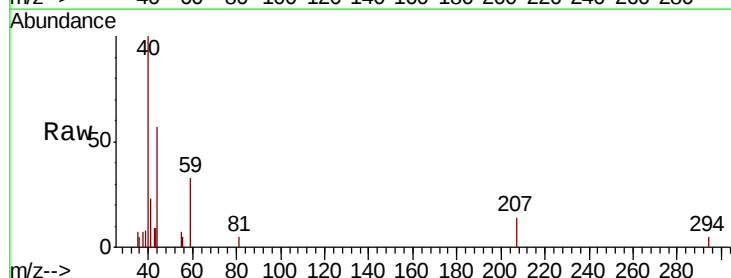
Acq: 17 Apr 2019 19:51

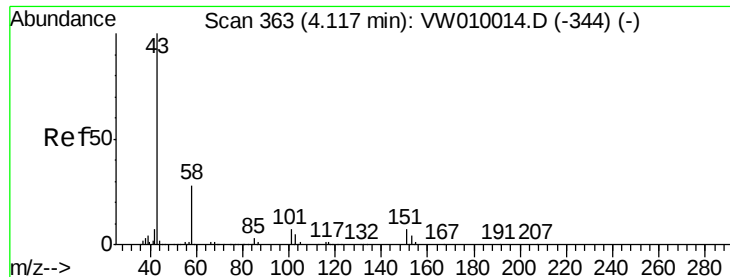
Tgt Ion: 59 Resp: 1130

Ion Ratio Lower Upper

59 100

57 3.7 9.0 13.4#





#16

Acetone

Concen: 9.268 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

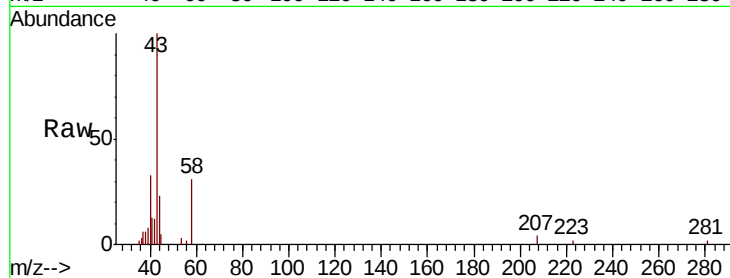
FK-PS-01-044

Tgt Ion: 43 Resp: 7724

Ion Ratio Lower Upper

43 100

58 32.3 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

3000

2500

2000

1500

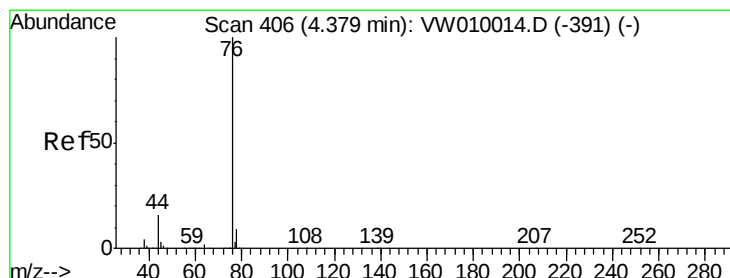
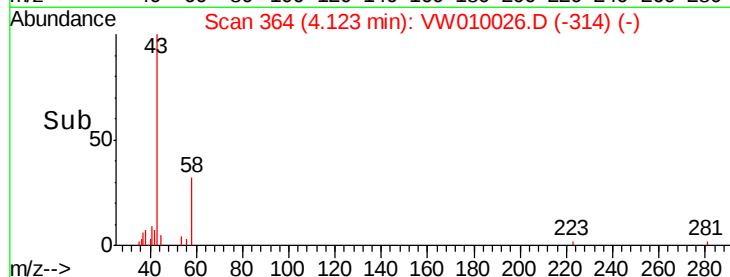
1000

500

0

Time-->

4.00 4.05 4.10 4.15 4.20



#17

Carbon Disulfide

Concen: 1.347 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010026.D

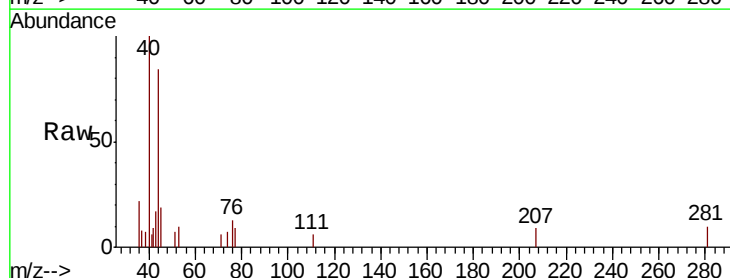
Acq: 17 Apr 2019 19:51

Tgt Ion: 76 Resp: 71

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

150

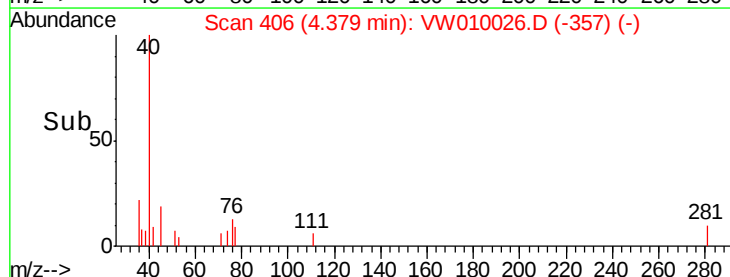
100

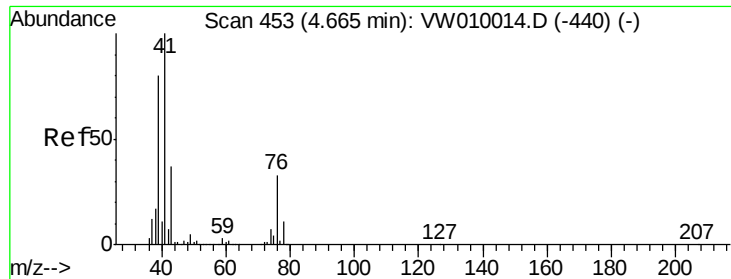
50

0

Time-->

4.36 4.37 4.38 4.39

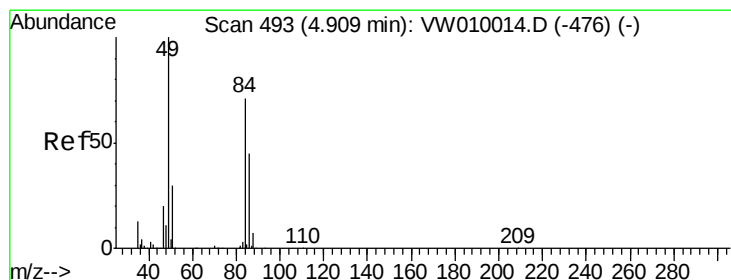
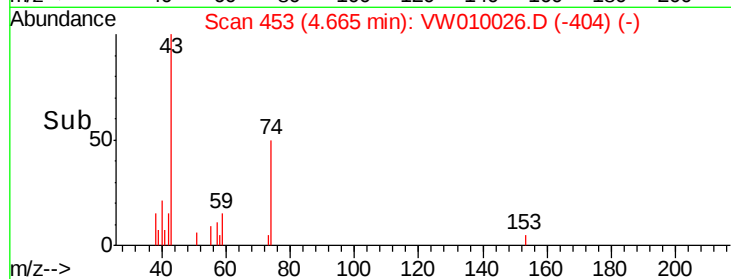
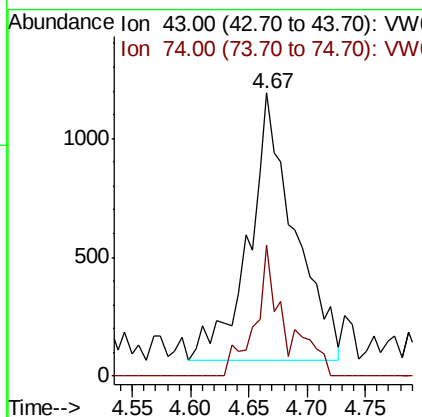
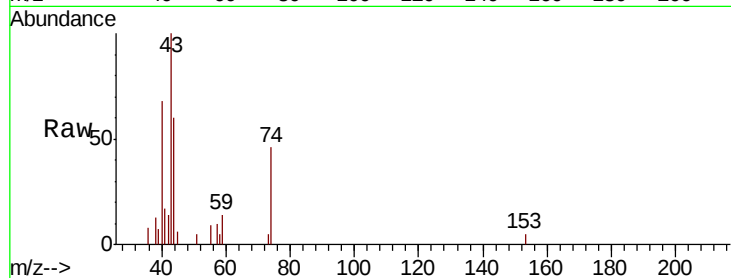




#18
Methyl Acetate
Concen: 1.586 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010026.D
Acq: 17 Apr 2019 19:51

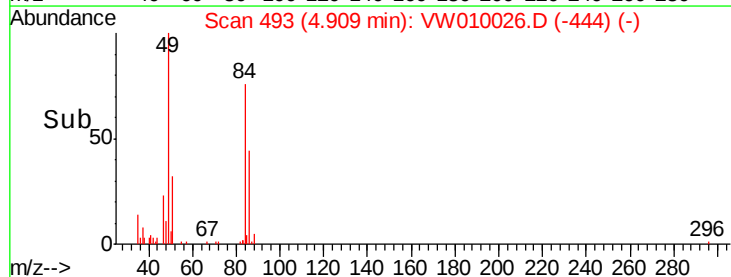
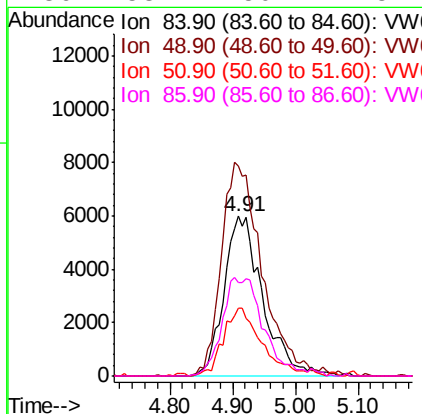
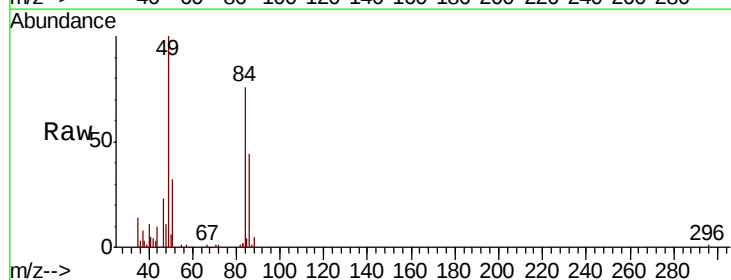
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-044

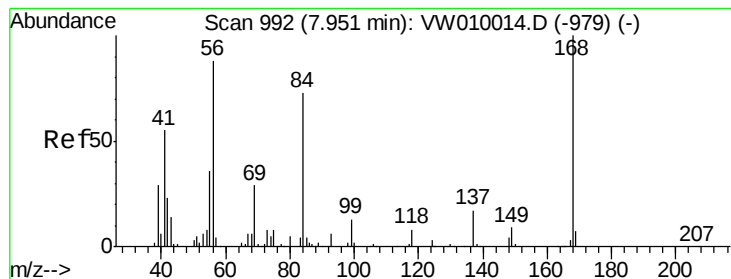
Tgt Ion: 43 Resp: 3059
Ion Ratio Lower Upper
43 100
74 28.3 16.8 25.2#



#20
Methylene Chloride
Concen: 3.937 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010026.D
Acq: 17 Apr 2019 19:51

Tgt Ion: 84 Resp: 25606
Ion Ratio Lower Upper
84 100
49 131.1 112.3 168.5
51 42.5 33.9 50.9
86 58.2 50.2 75.4





#31

Cyclohexane

Concen: 1.457 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-044

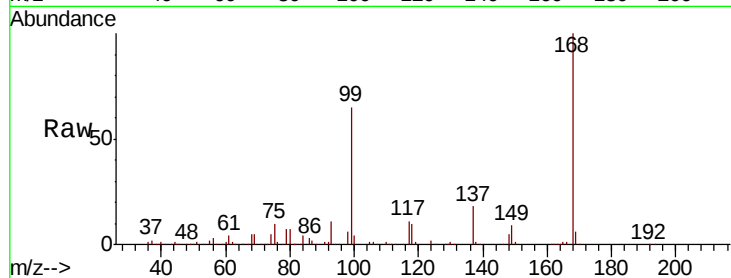
Tgt Ion: 56 Resp: 8466

Ion Ratio Lower Upper

56 100

69 148.4 26.6 40.0#

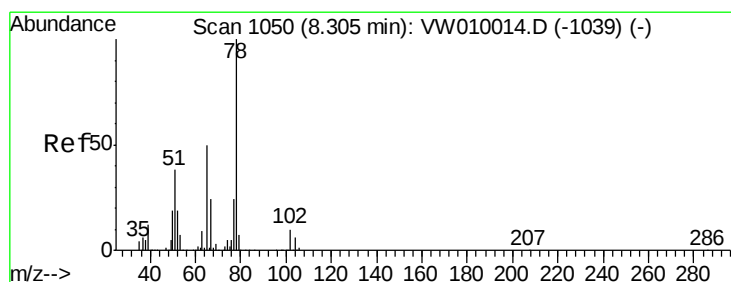
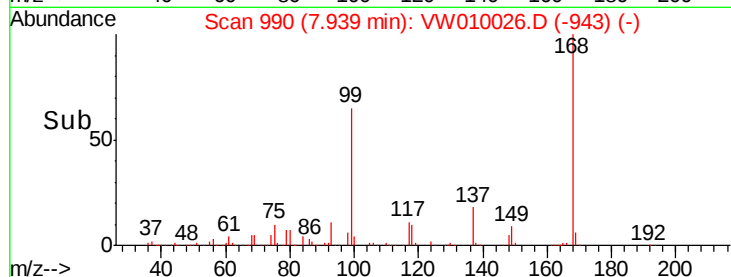
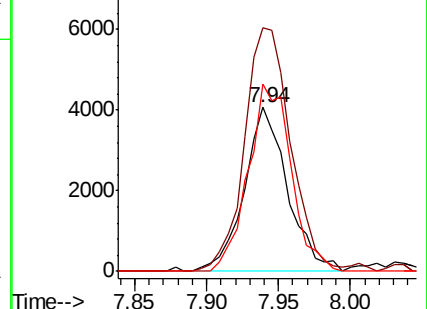
84 113.8 66.2 99.2#



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: 58.450 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010026.D

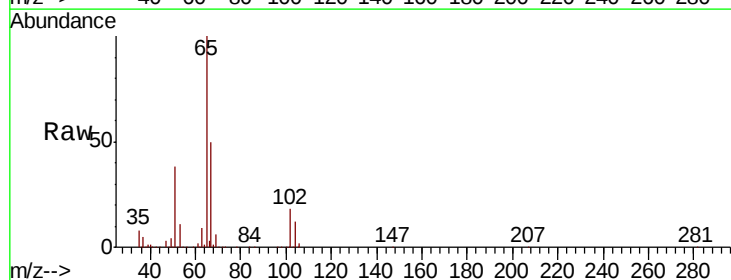
Acq: 17 Apr 2019 19:51

Tgt Ion: 65 Resp: 209940

Ion Ratio Lower Upper

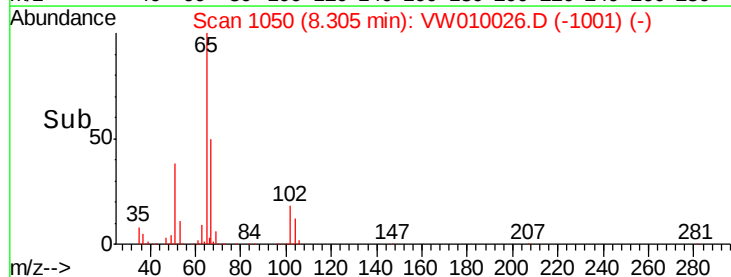
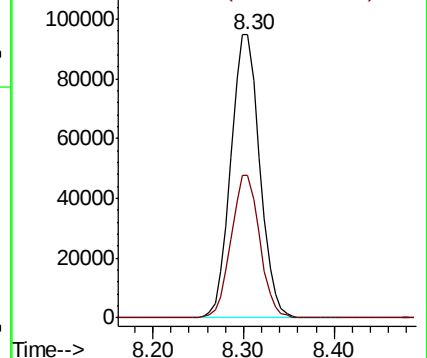
65 100

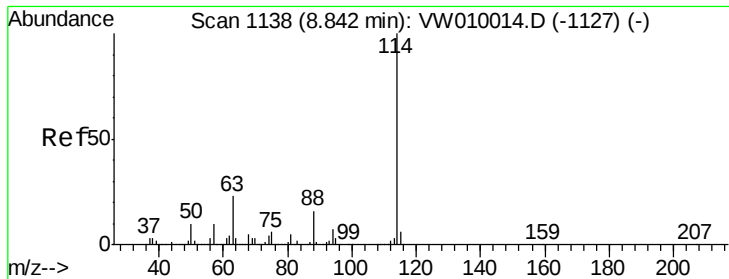
67 49.9 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

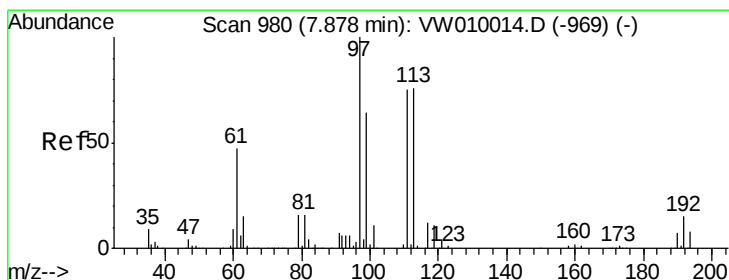
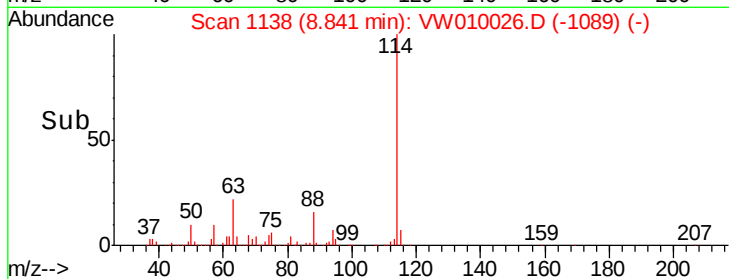
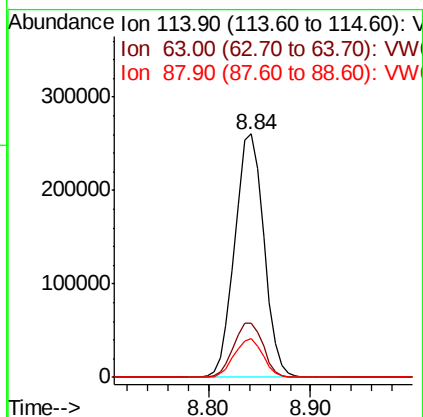
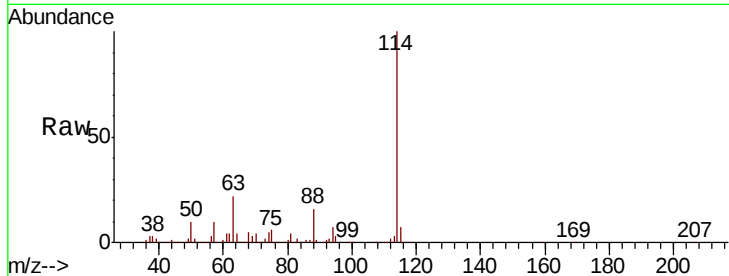




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010026.D
 Acq: 17 Apr 2019 19:51

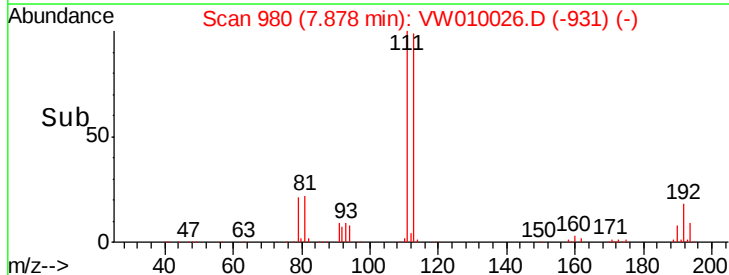
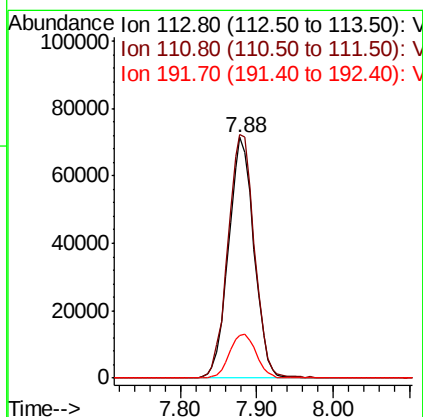
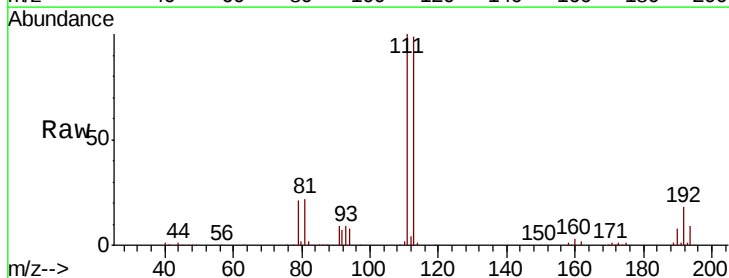
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-044

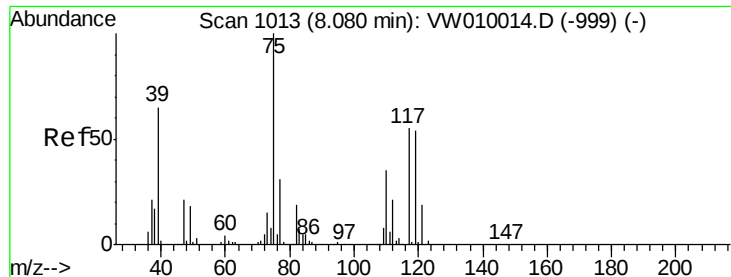
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	46.2
88	15.9	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 50.046 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010026.D
 Acq: 17 Apr 2019 19:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.6	123.8
192	19.2	15.4	23.2

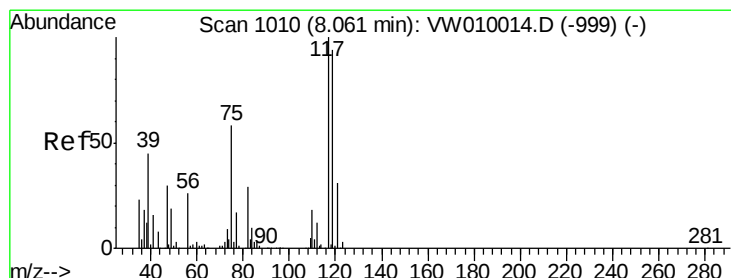
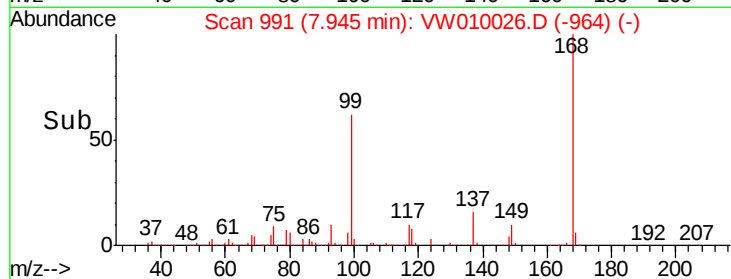
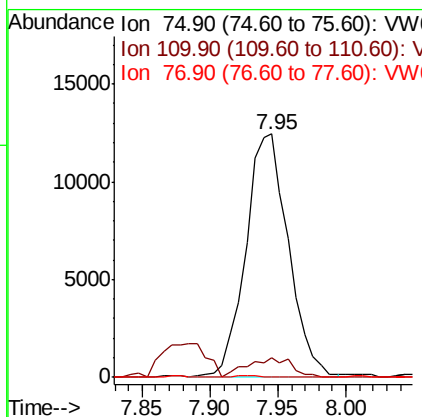
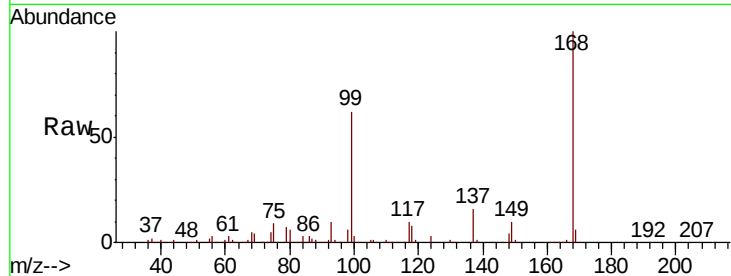




#36
 1,1-Dichloropropene
 Concen: 5.193 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010026.D
 Acq: 17 Apr 2019 19:51

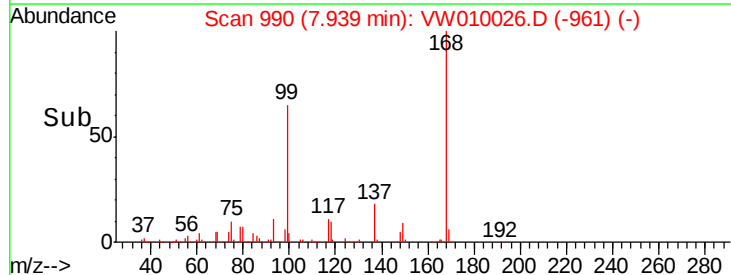
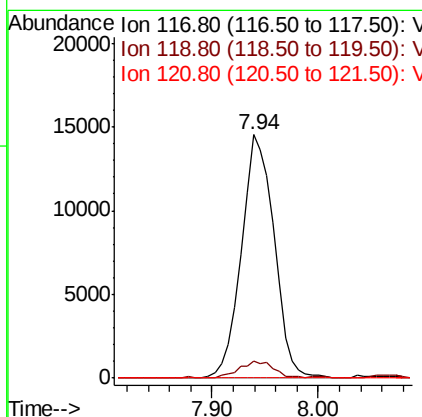
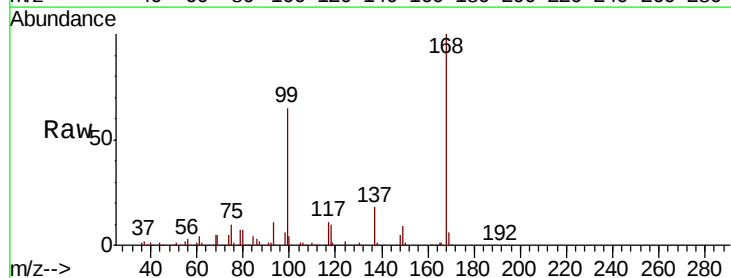
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-044

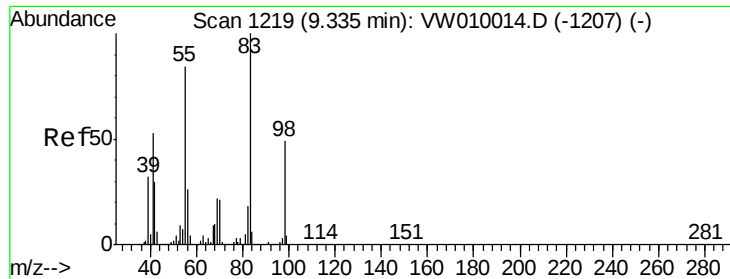
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.6	49.8#
77	0.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.118 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.12 min
 Lab File: VW010026.D
 Acq: 17 Apr 2019 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	75.3	112.9#
121	0.0	24.4	36.6#

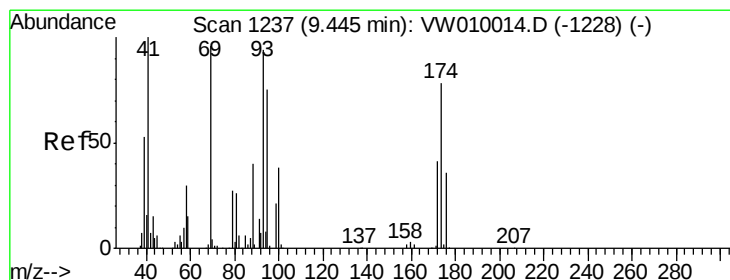
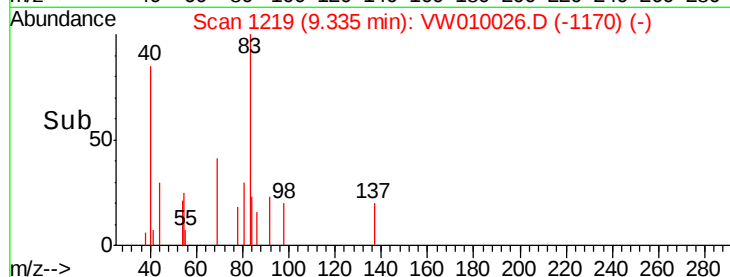
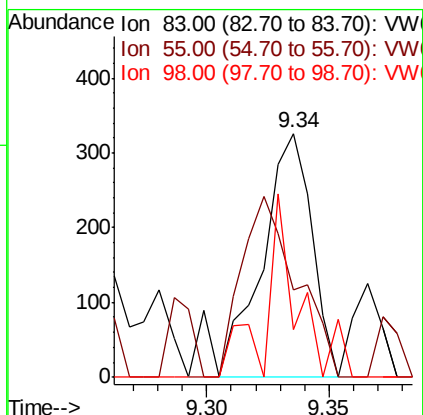
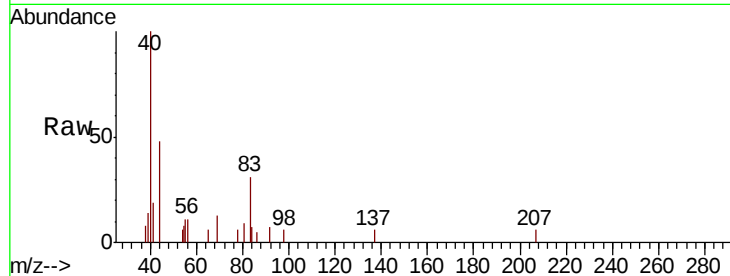




#39
Methylcyclohexane
Concen: 1.272 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010026.D
Acq: 17 Apr 2019 19:51

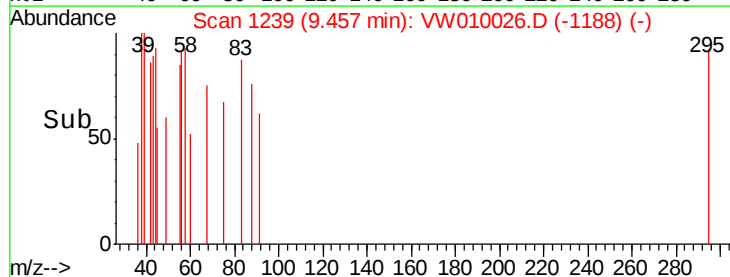
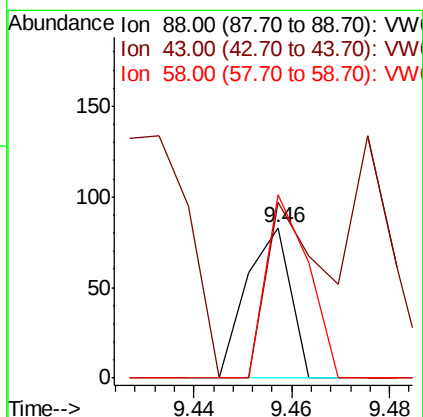
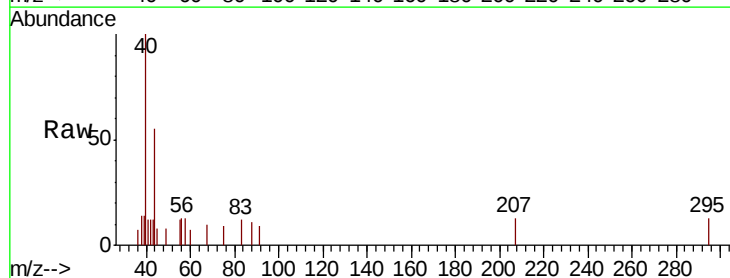
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-044

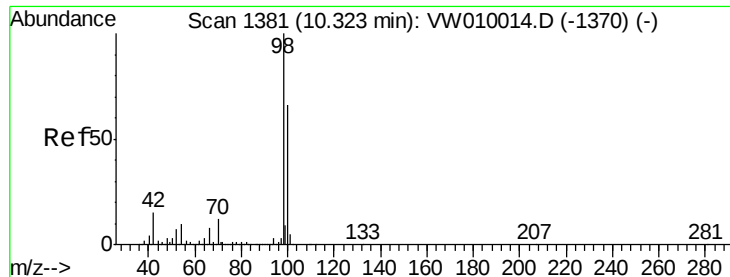
Tgt Ion: 83 Resp: 492
Ion Ratio Lower Upper
83 100
55 35.9 67.1 100.7#
98 19.6 39.2 58.8#



#49
1,4-Dioxane
Concen: 1.734 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010026.D
Acq: 17 Apr 2019 19:51

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 288.5 31.9 47.9#
58 115.4 61.8 92.6#





#50

Toluene-d8

Concen: 42.396 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

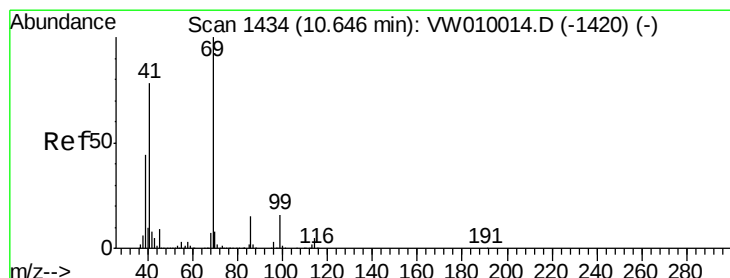
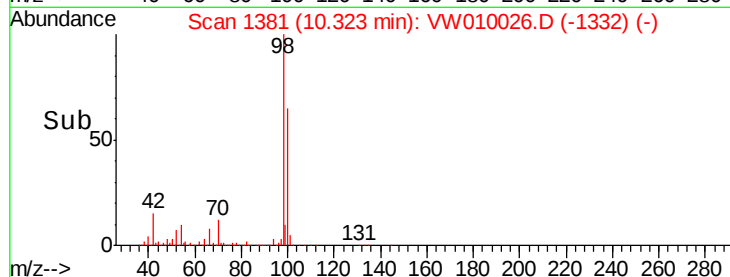
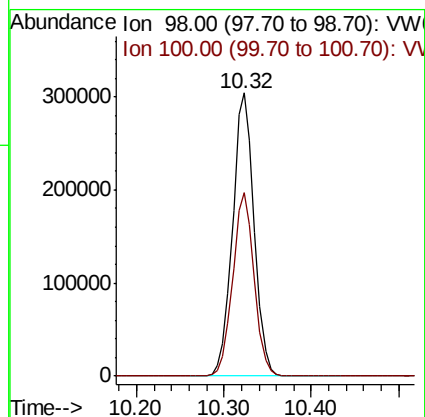
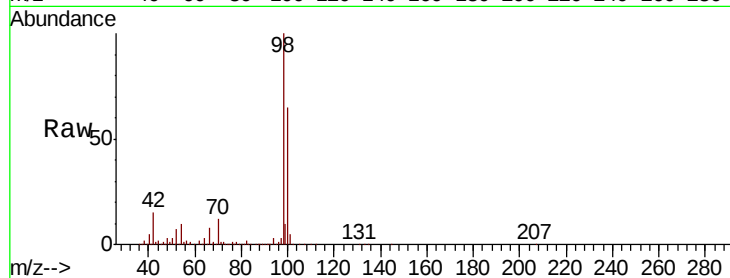
FK-PS-01-044

Tgt Ion: 98 Resp: 520981

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5



#56

Ethyl methacrylate

Concen: 2.688 ug/l

RT: 10.63 min Scan# 1431

Delta R.T. -0.02 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

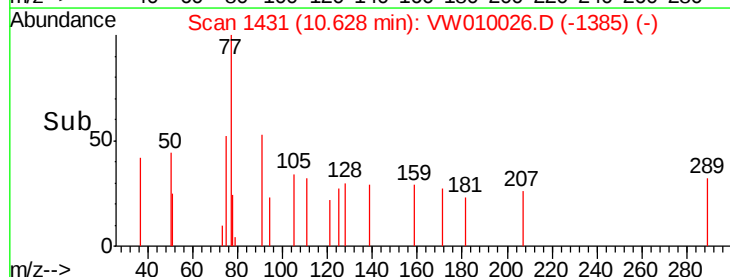
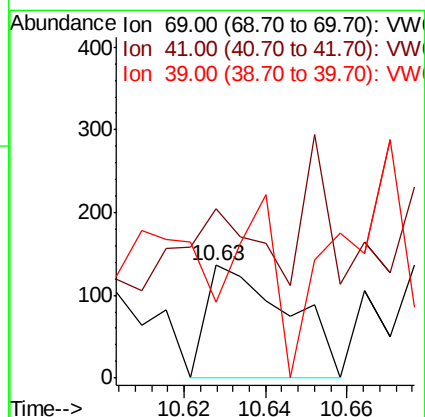
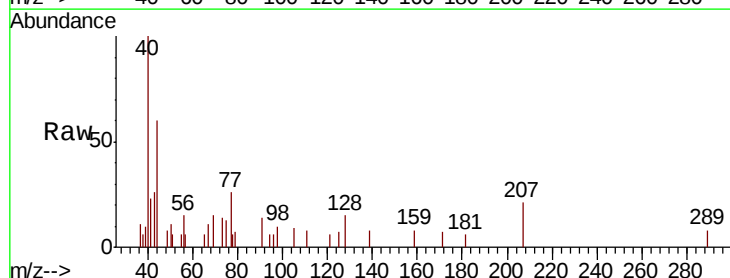
Tgt Ion: 69 Resp: 188

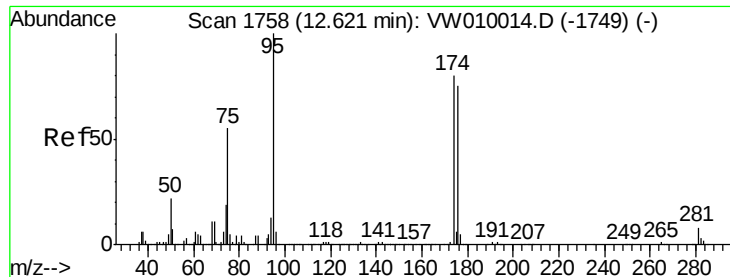
Ion Ratio Lower Upper

69 100

41 64.9 61.0 91.6

39 0.0 33.8 50.6#





#62

4-Bromofluorobenzene

Concen: 35.965 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-044

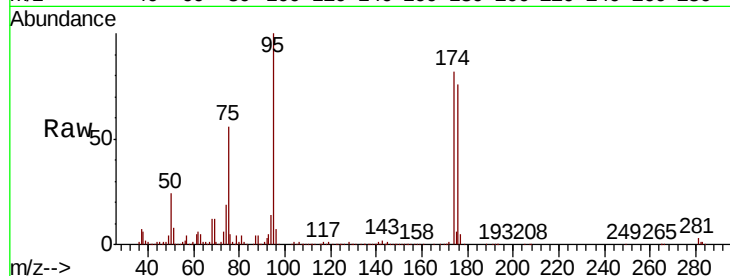
Tgt Ion: 95 Resp: 160650

Ion Ratio Lower Upper

95 100

174 78.0 0.0 151.4

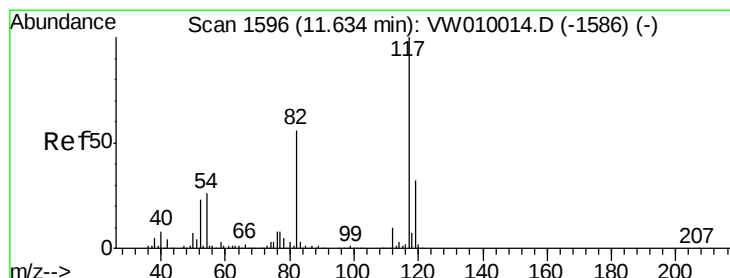
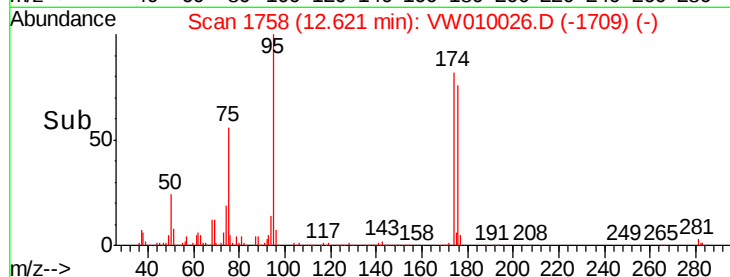
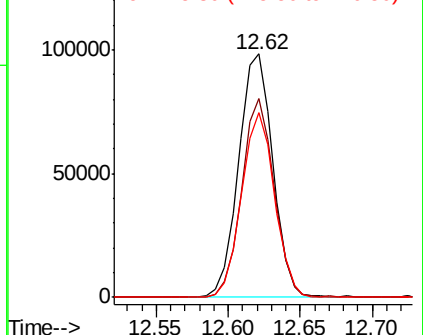
176 73.7 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

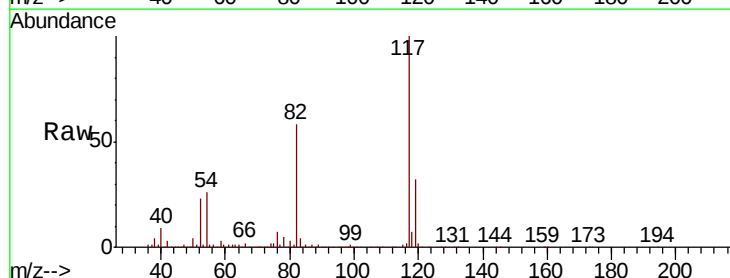
Tgt Ion: 117 Resp: 417810

Ion Ratio Lower Upper

117 100

82 57.6 45.2 67.8

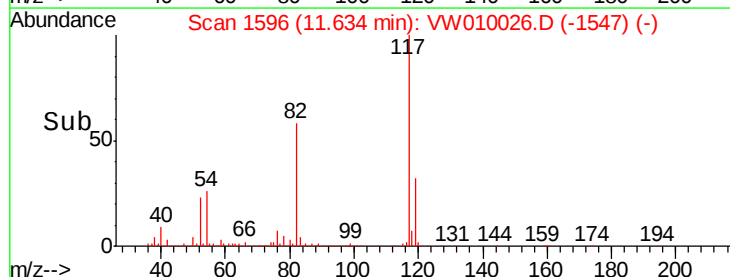
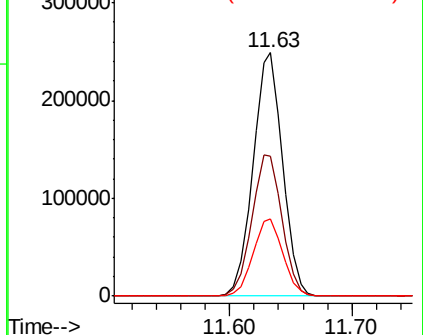
119 31.9 25.4 38.2

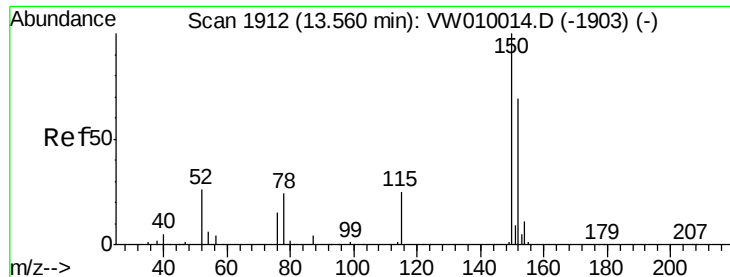


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



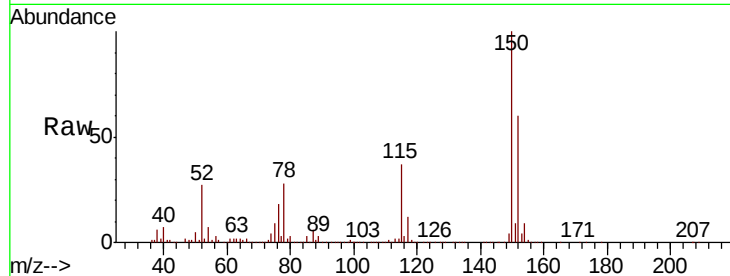


#72

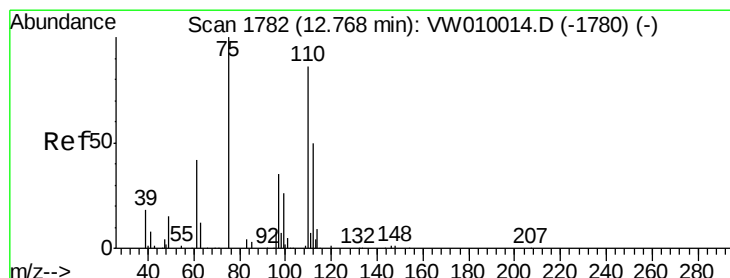
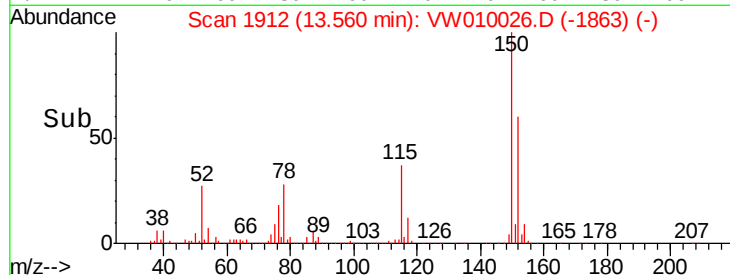
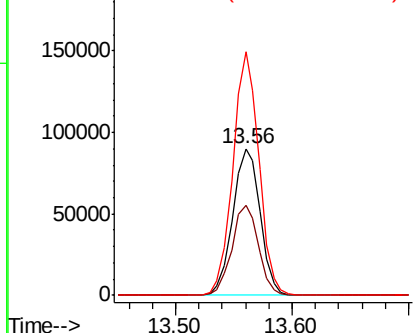
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010026.D
Acq: 17 Apr 2019 19:51

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-044

Tgt Ion:152 Resp: 147383
Ion Ratio Lower Upper
152 100
115 59.4 30.4 91.2
150 157.1 0.0 347.0



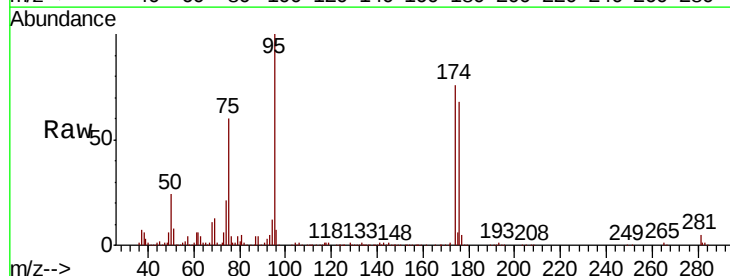
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



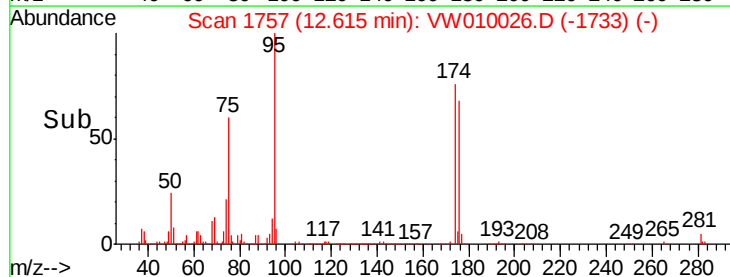
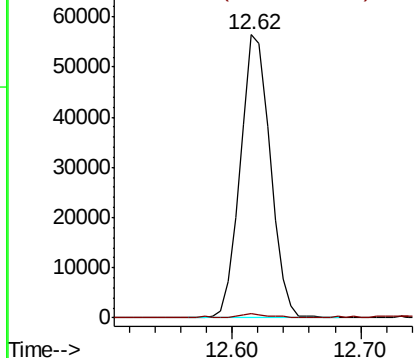
#76

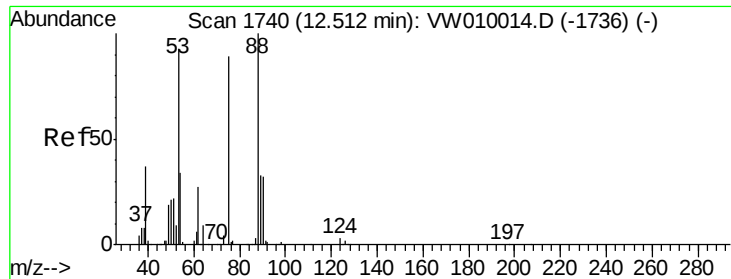
1,2,3-Trichloropropane
Concen: 61.417 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW010026.D
Acq: 17 Apr 2019 19:51

Tgt Ion: 75 Resp: 90595
Ion Ratio Lower Upper
75 100
77 1.4 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: 144.818 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-044

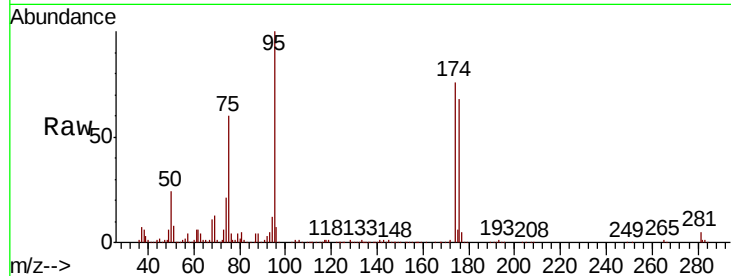
Tgt Ion: 75 Resp: 90595

Ion Ratio Lower Upper

75 100

53 1.0 89.8 134.8#

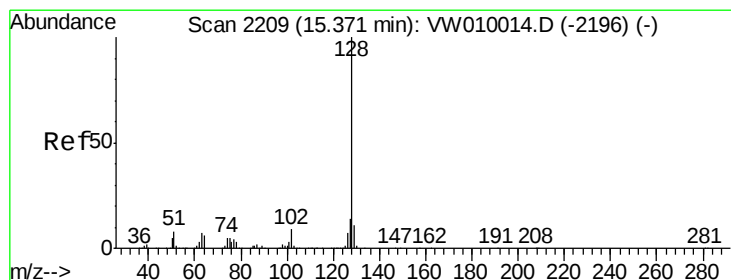
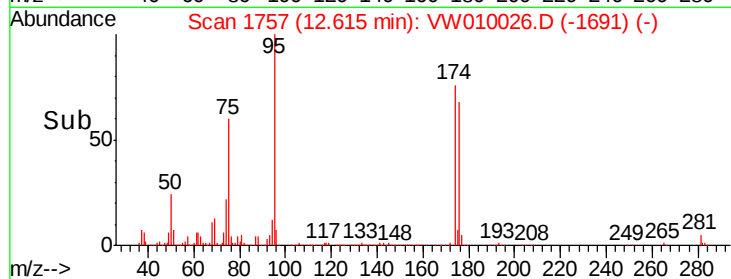
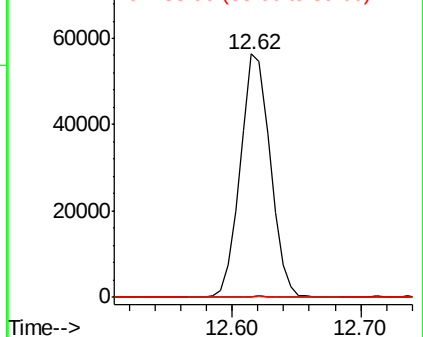
89 0.3 36.6 54.8#



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: 2.865 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW010026.D

Acq: 17 Apr 2019 19:51

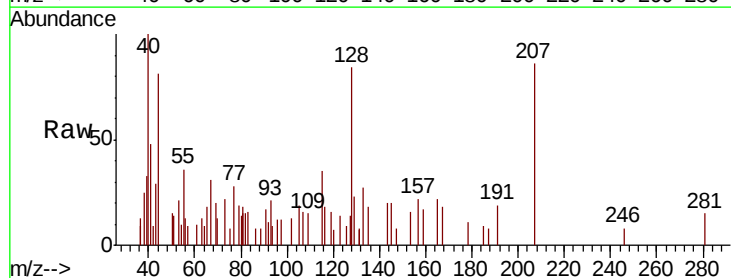
Tgt Ion: 128 Resp: 1332

Ion Ratio Lower Upper

128 100

127 19.8 10.6 15.8#

129 27.9 8.7 13.1#



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

