

Data File : VW010731.D
Acq On : 07 Jun 2019 16:14
Operator : SY/VA
Sample : K3246-02RE
Misc : 5.82G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-047RE

Quant Time: Jun 08 02:40:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	186279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	316281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138557	63.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.22%	
35) Dibromofluoromethane	7.88	113	99290	57.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.68%	
50) Toluene-d8	10.32	98	410422	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
62) 4-Bromofluorobenzene	12.62	95	133791	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

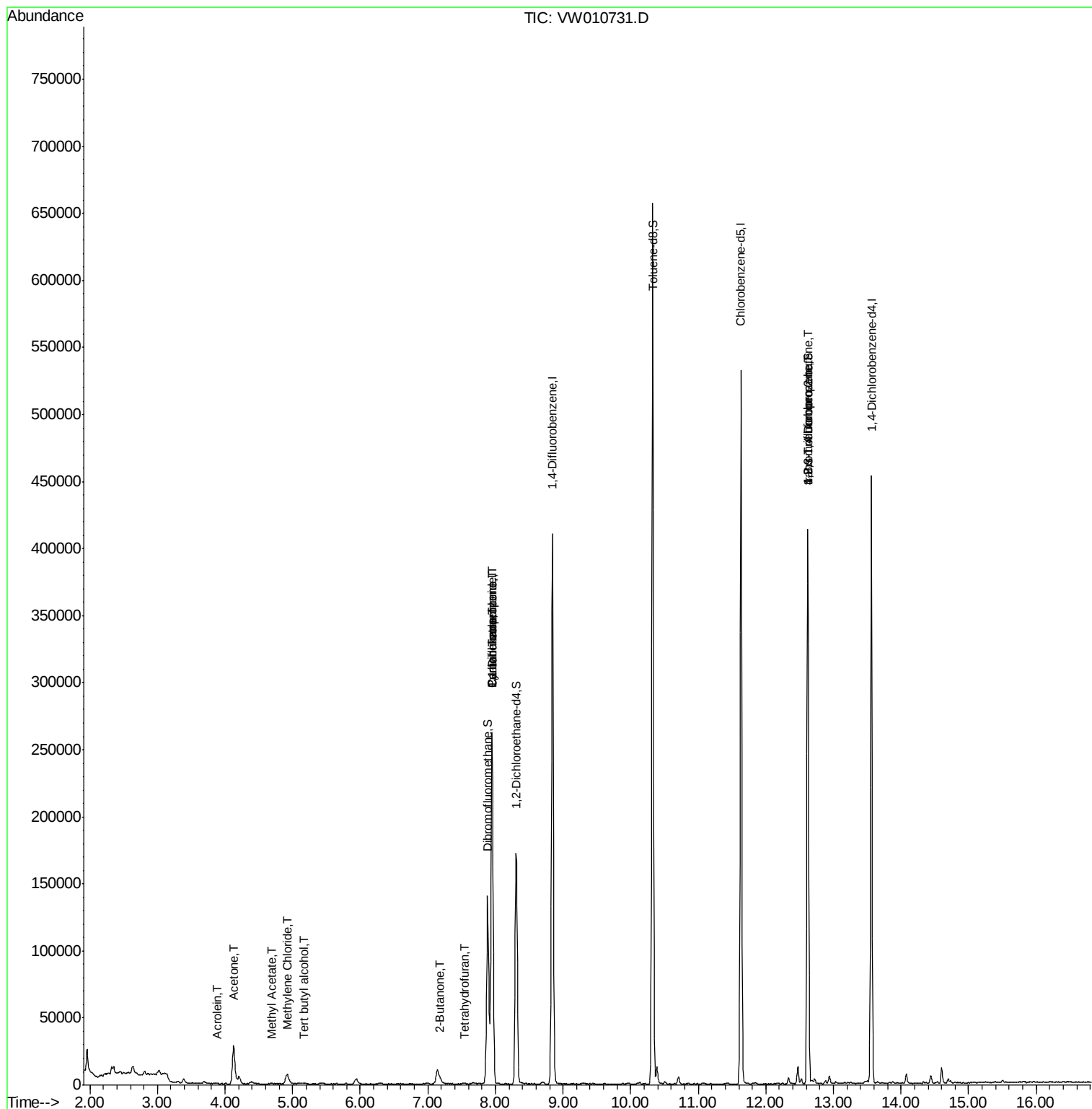
						Qvalue
11) Tert butyl alcohol	5.17	59	540	3.019	ug/l #	72
13) Acrolein	3.89	56	84	1.149	ug/l #	46
16) Acetone	4.13	43	52137	88.621	ug/l	99
18) Methyl Acetate	4.69	43	1549	1.223	ug/l #	81
20) Methylene Chloride	4.93	84	4859	2.354	ug/l	88
25) 2-Butanone	7.18	43	6195	7.594	ug/l	100
29) Tetrahydrofuran	7.54	42	522	1.017	ug/l #	47
31) Cyclohexane	7.95	56	9868	2.228	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	16457	5.083	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18545	6.636	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	73316	65.391	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73316	150.291	ug/l #	5

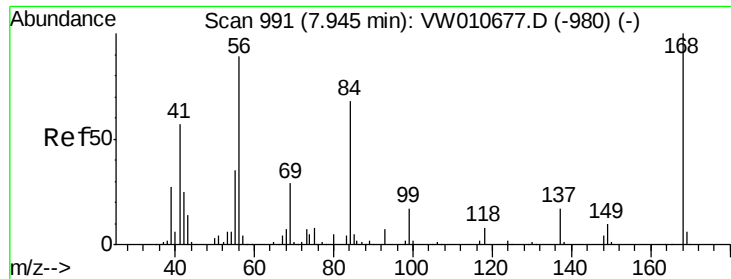
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010731.D

Acq: 07 Jun 2019 16:14

Instrument :

MSVOA_W

ClientSampleId :

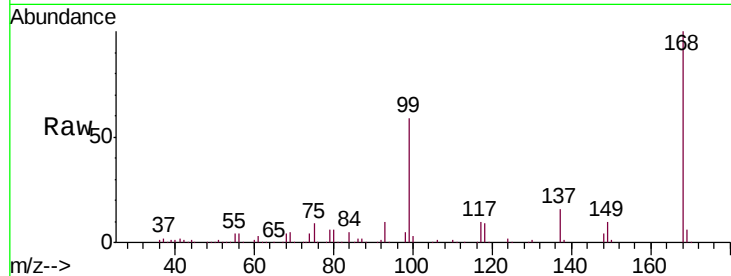
FK-PS-01-047RE

Tgt Ion:168 Resp: 186279

Ion Ratio Lower Upper

168 100

99 58.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

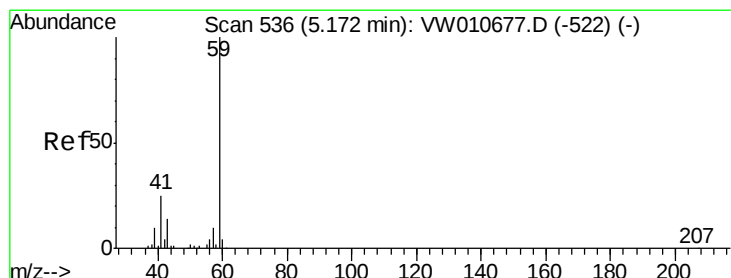
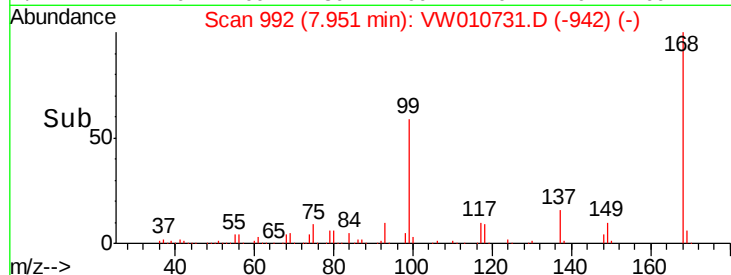
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.019 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW010731.D

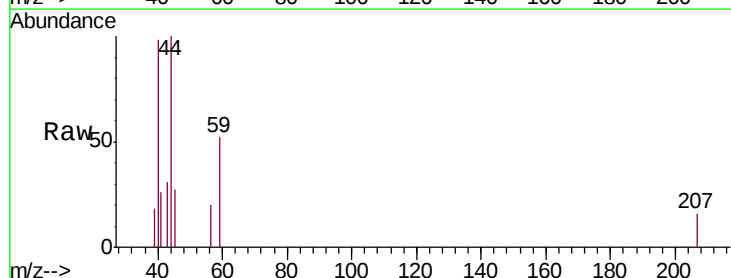
Acq: 07 Jun 2019 16:14

Tgt Ion: 59 Resp: 540

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

200

150

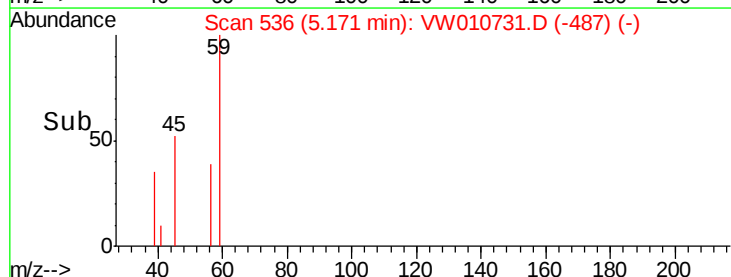
100

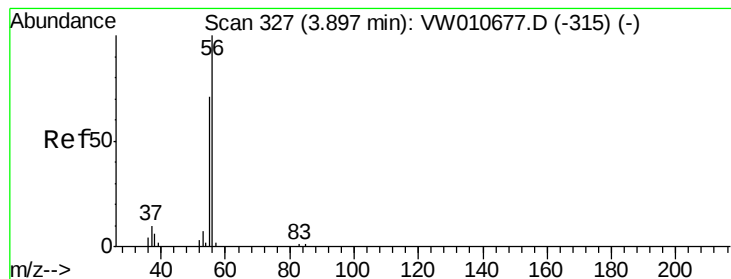
50

0

Time-->

5.10 5.15 5.20





#13

Acrolein

Concen: 1.149 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010731.D

Acq: 07 Jun 2019 16:14

Instrument :

MSVOA_W

ClientSampleId :

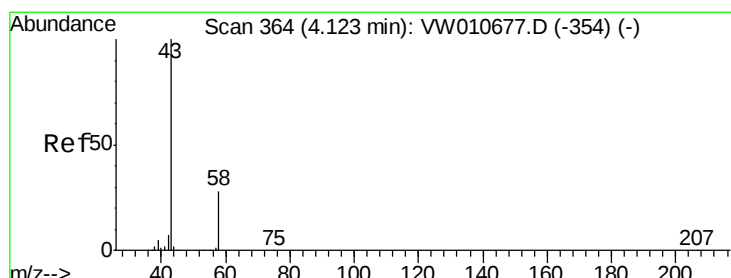
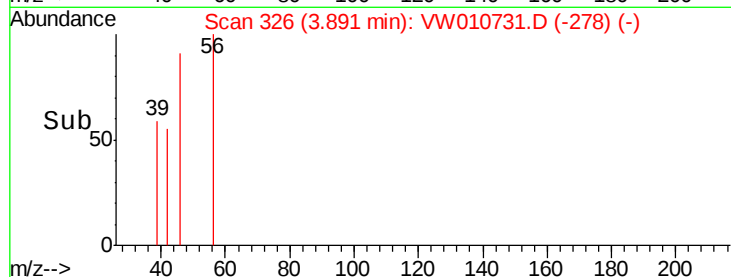
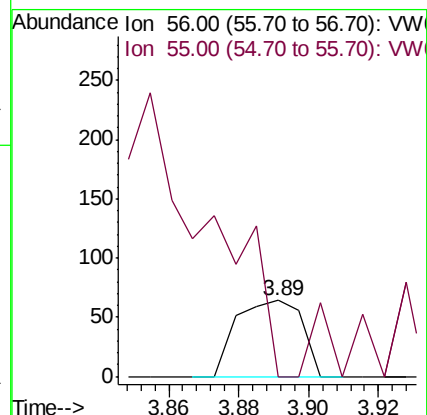
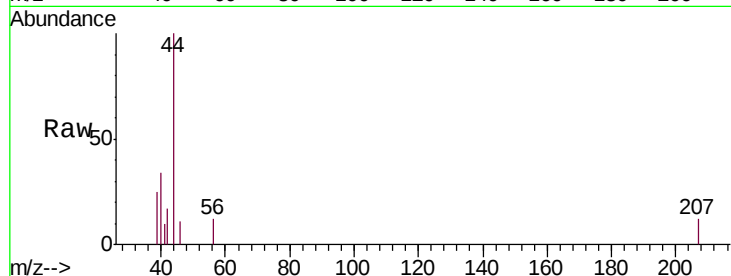
FK-PS-01-047RE

Tgt Ion: 56 Resp: 84

Ion Ratio Lower Upper

56 100

55 27.4 57.6 86.4#



#16

Acetone

Concen: 88.621 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010731.D

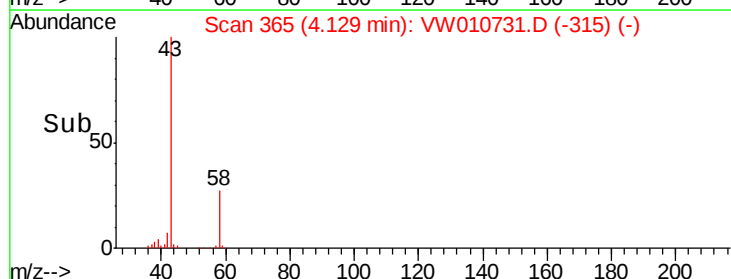
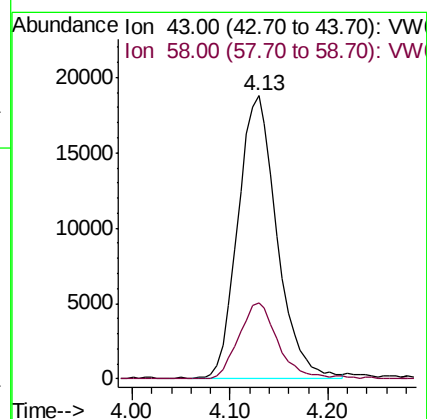
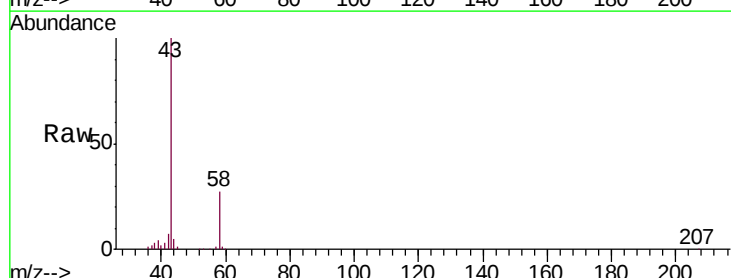
Acq: 07 Jun 2019 16:14

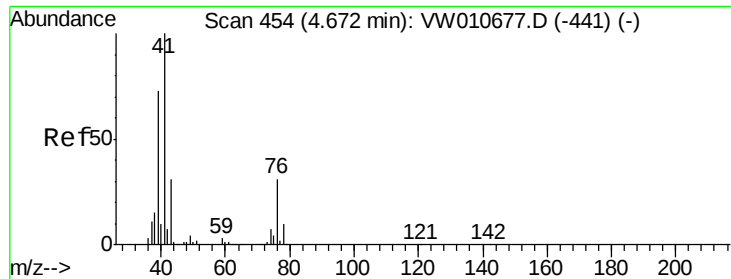
Tgt Ion: 43 Resp: 52137

Ion Ratio Lower Upper

43 100

58 26.9 22.1 33.1

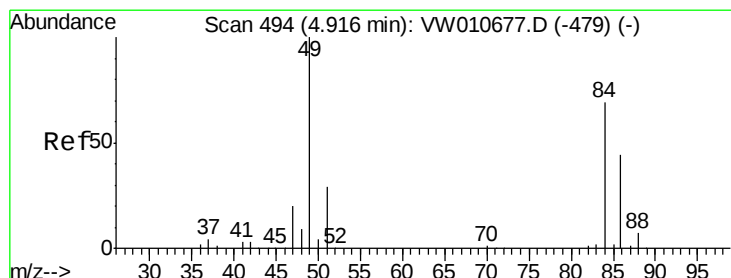
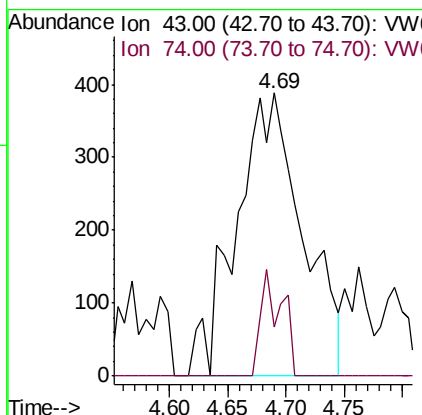
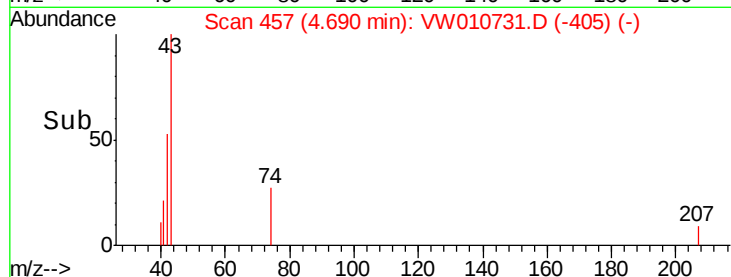
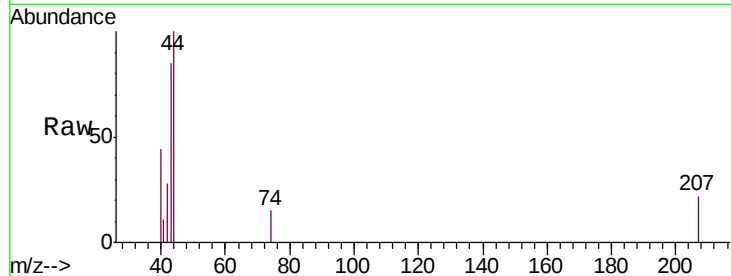




#18
Methyl Acetate
Concen: 1.223 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW010731.D
Acq: 07 Jun 2019 16:14

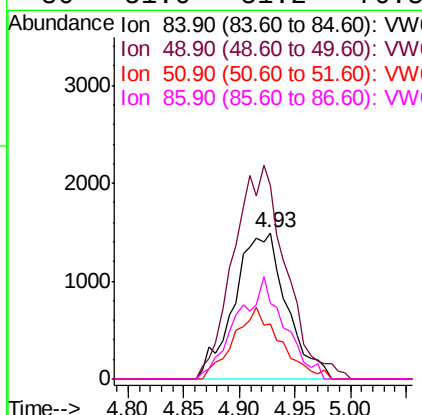
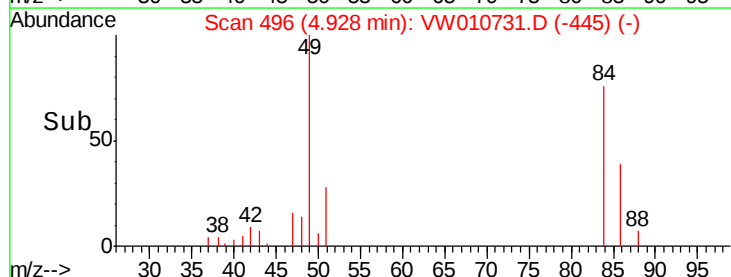
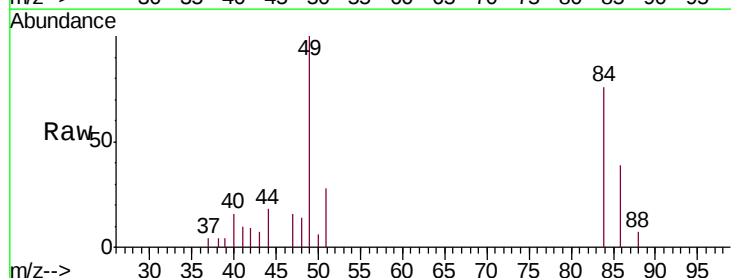
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-047RE

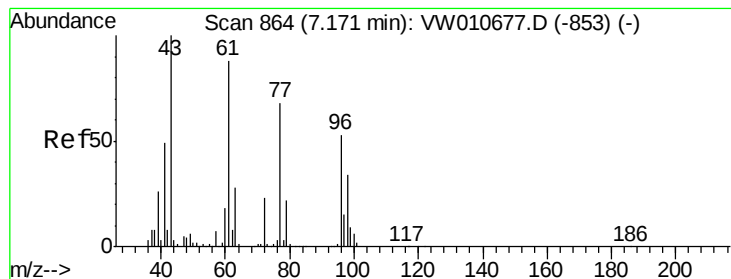
Tgt Ion: 43 Resp: 1549
Ion Ratio Lower Upper
43 100
74 11.9 16.7 25.1#



#20
Methylene Chloride
Concen: 2.354 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW010731.D
Acq: 07 Jun 2019 16:14

Tgt Ion: 84 Resp: 4859
Ion Ratio Lower Upper
84 100
49 132.0 116.7 175.1
51 37.5 34.2 51.2
86 51.6 51.2 76.8





#25

2-Butanone

Concen: 7.594 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW010731.D

Acq: 07 Jun 2019 16:14

Instrument :

MSVOA_W

ClientSampleId :

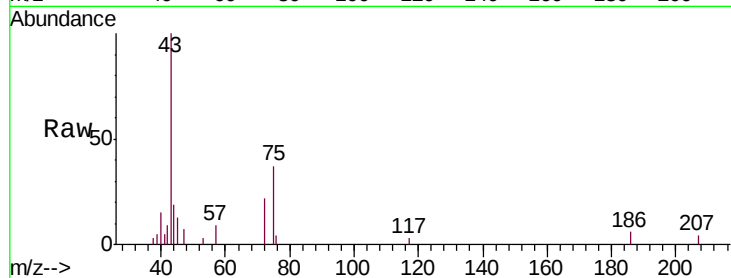
FK-PS-01-047RE

Tgt Ion: 43 Resp: 6195

Ion Ratio Lower Upper

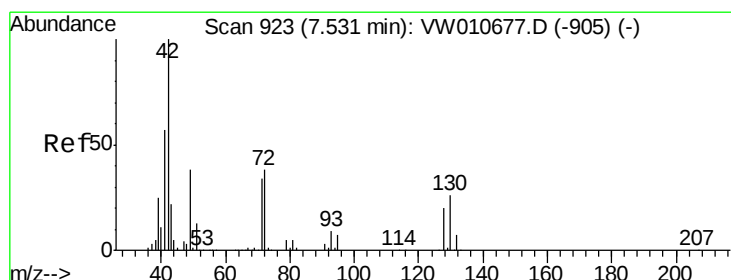
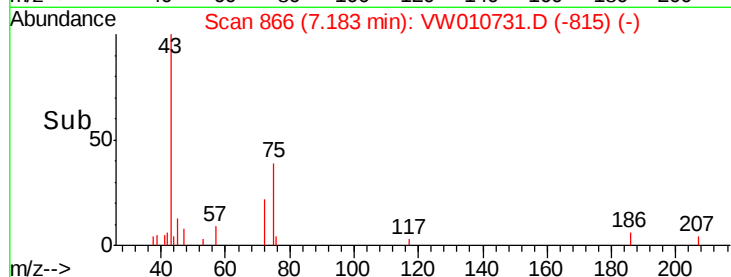
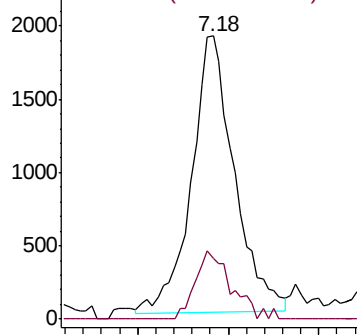
43 100

72 22.4 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.017 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010731.D

Acq: 07 Jun 2019 16:14

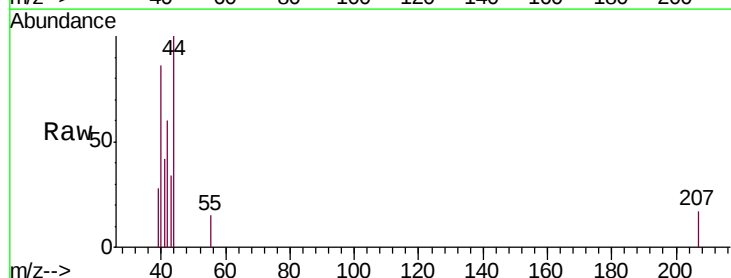
Tgt Ion: 42 Resp: 522

Ion Ratio Lower Upper

42 100

72 3.6 28.7 43.1#

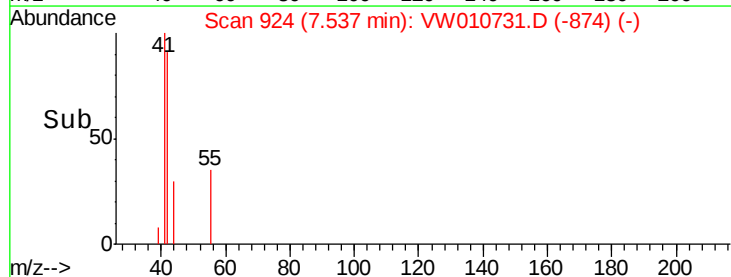
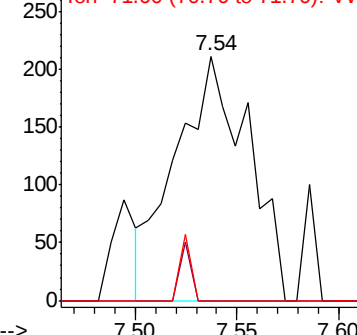
71 4.0 26.6 39.8#

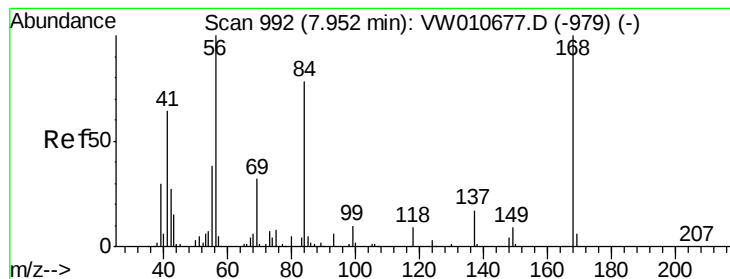


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 2.228 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010731.D

Acq: 07 Jun 2019 16:14

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-047RE

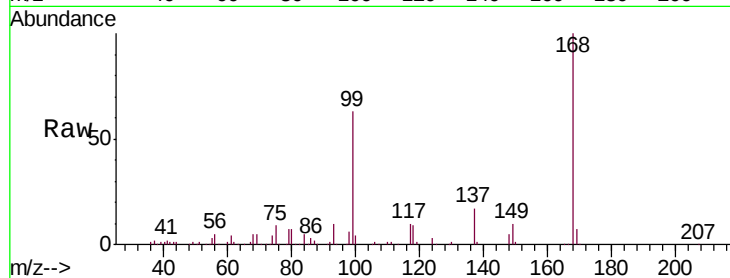
Tgt Ion: 56 Resp: 9868

Ion Ratio Lower Upper

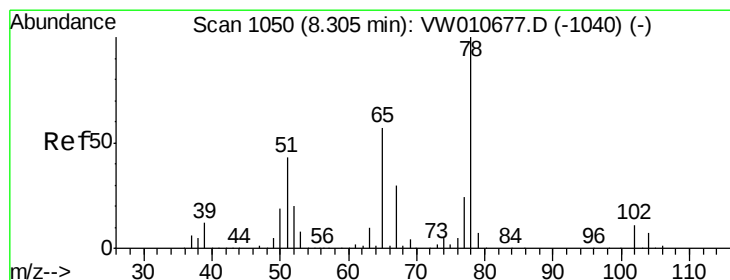
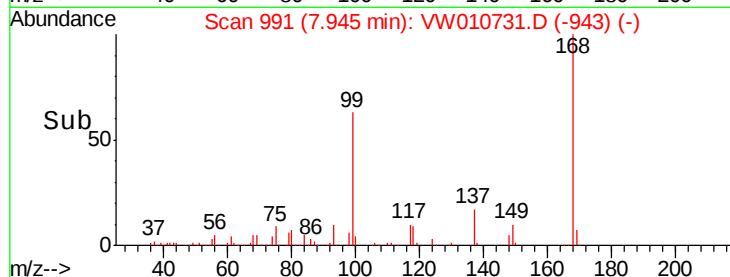
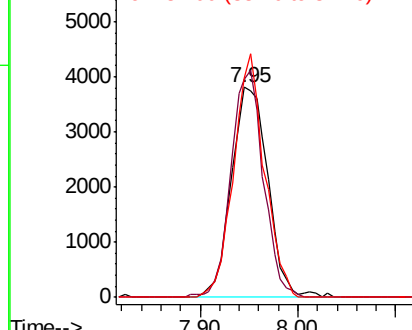
56 100

69 103.4 25.2 37.8#

84 104.2 62.2 93.2#



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: 63.106 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010731.D

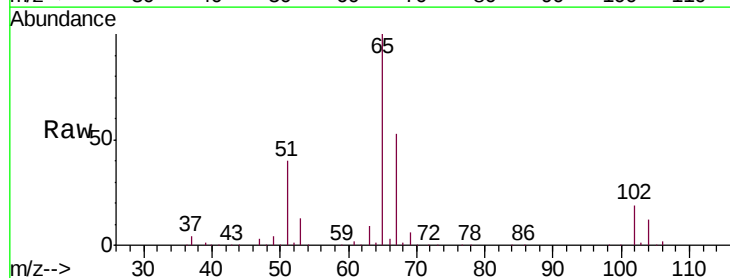
Acq: 07 Jun 2019 16:14

Tgt Ion: 65 Resp: 138557

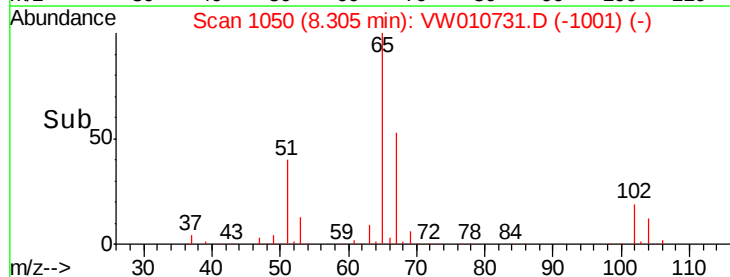
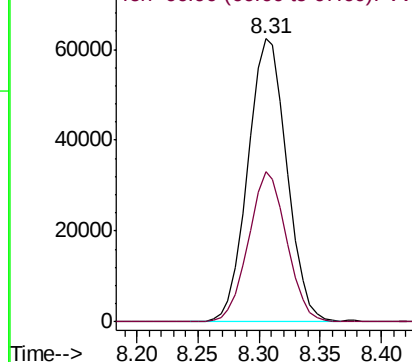
Ion Ratio Lower Upper

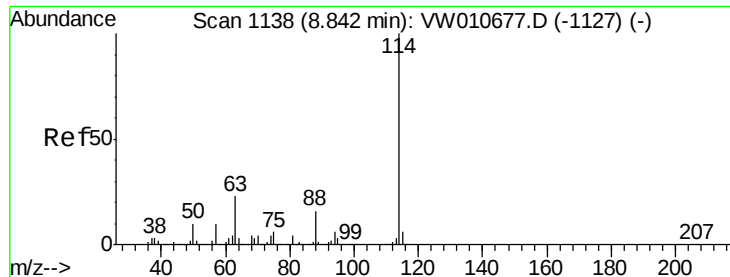
65 100

67 51.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

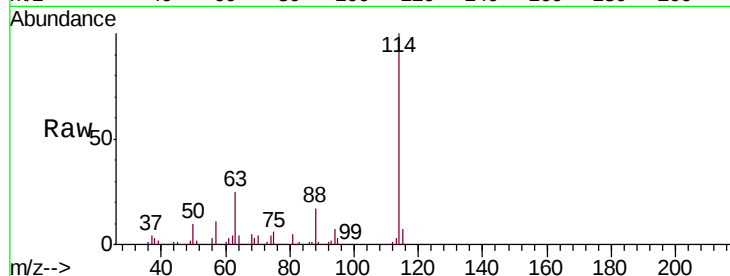




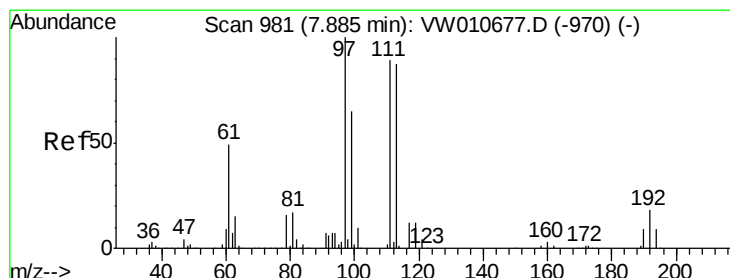
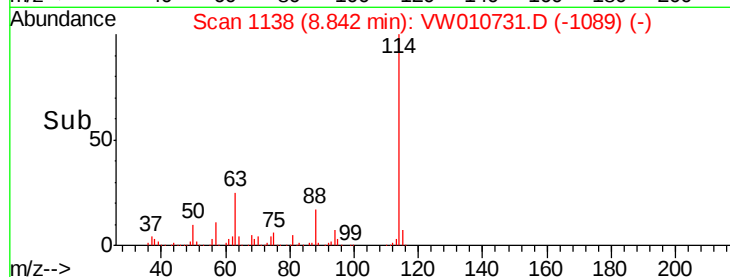
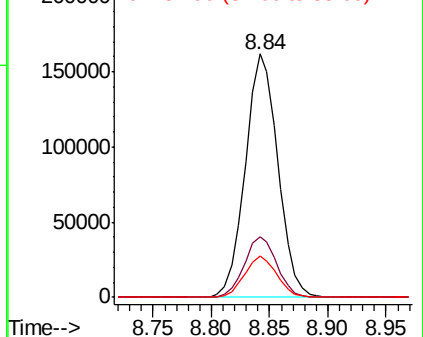
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010731.D
Acq: 07 Jun 2019 16:14

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-047RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	46.4
88	17.1	0.0	32.2

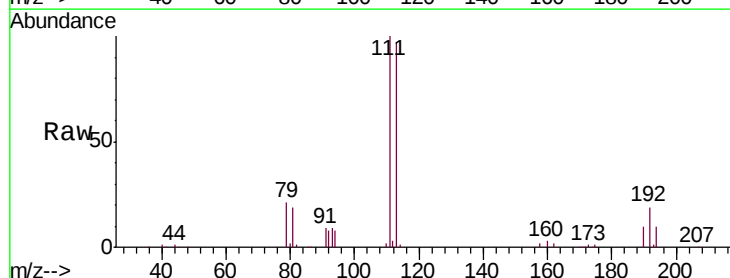


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

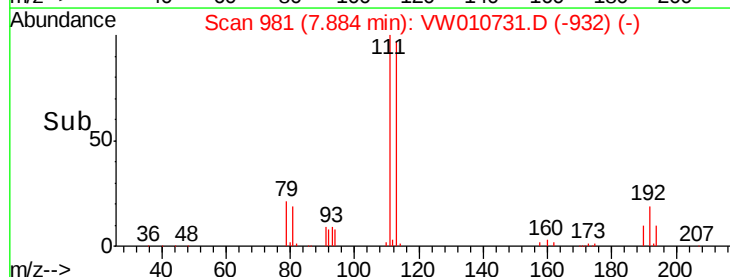
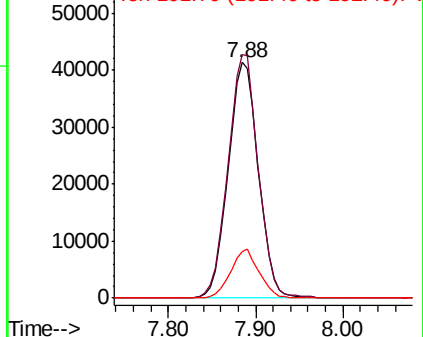


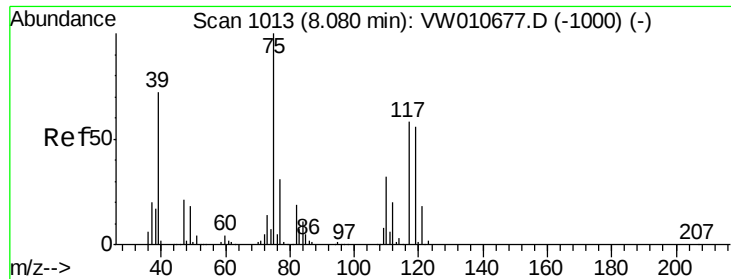
#35
Dibromofluoromethane
Concen: 57.837 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010731.D
Acq: 07 Jun 2019 16:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	123.8
192	19.6	16.4	24.6



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

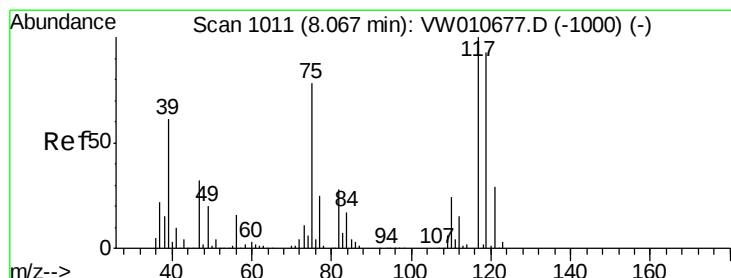
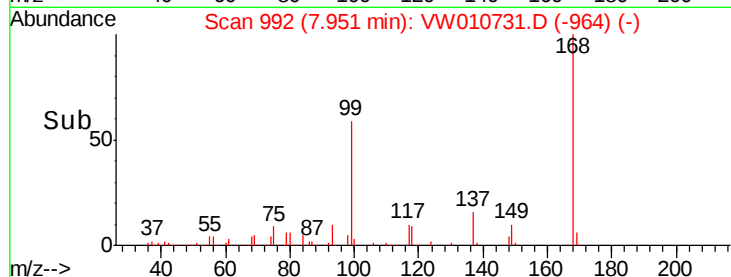
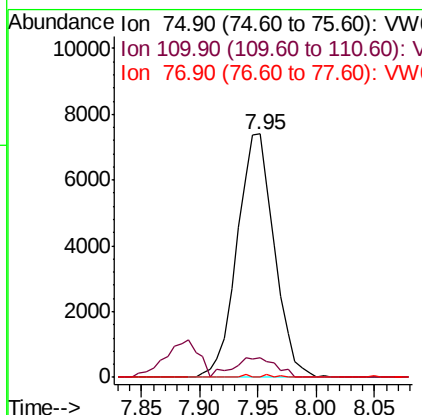
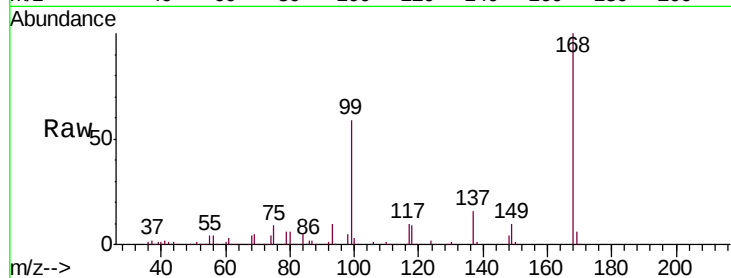




#36
 1,1-Dichloropropene
 Concen: 5.083 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010731.D
 Acq: 07 Jun 2019 16:14

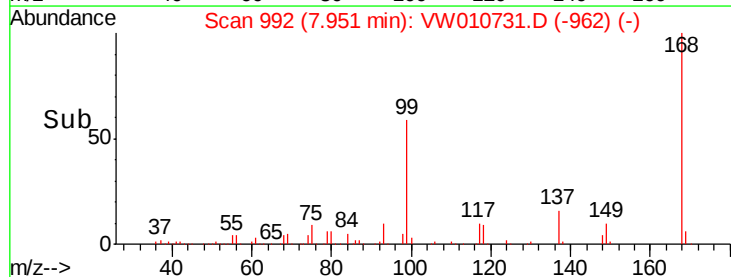
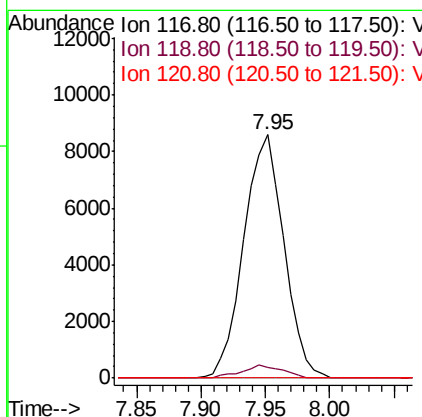
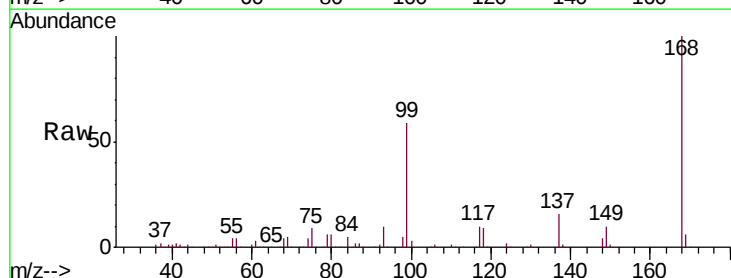
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 FK-PS-01-047RE

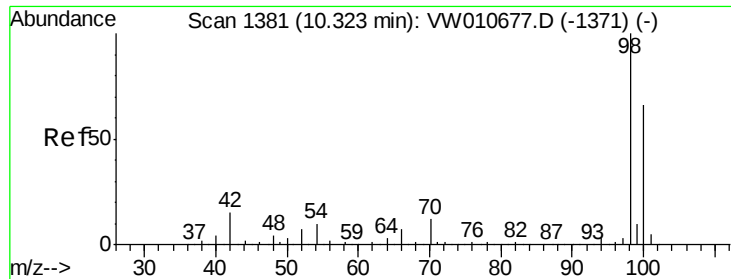
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.8	47.3#
77	0.3	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.636 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010731.D
 Acq: 07 Jun 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	74.2	111.4#
121	0.0	22.9	34.3#

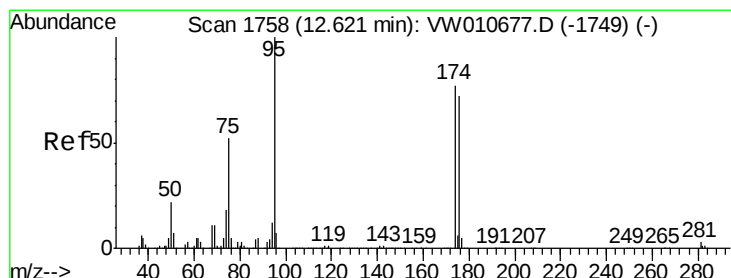
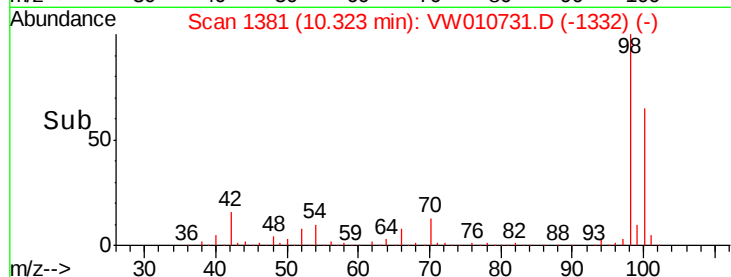
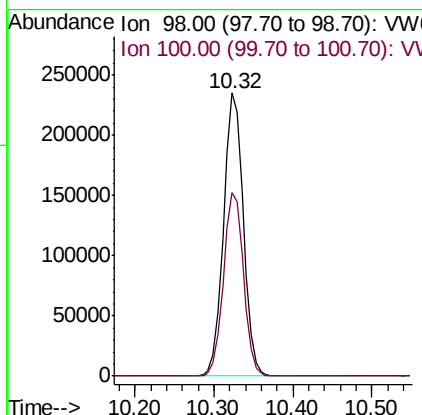
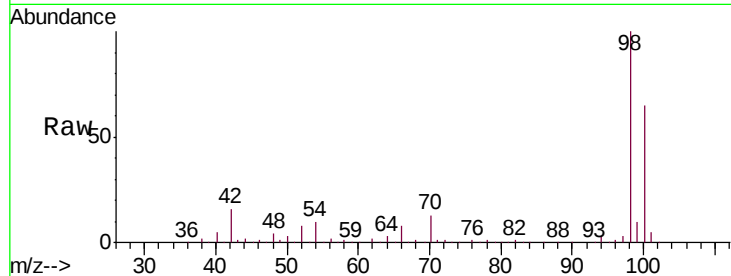




#50
Toluene-d8
Concen: 54.520 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010731.D
Acq: 07 Jun 2019 16:14

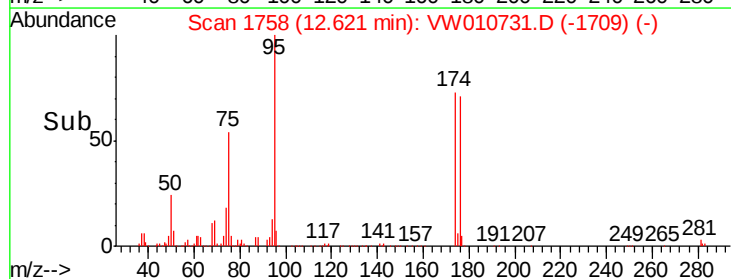
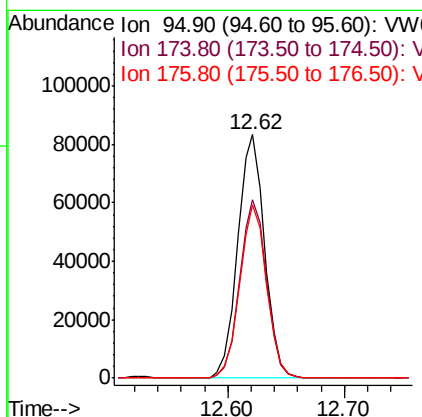
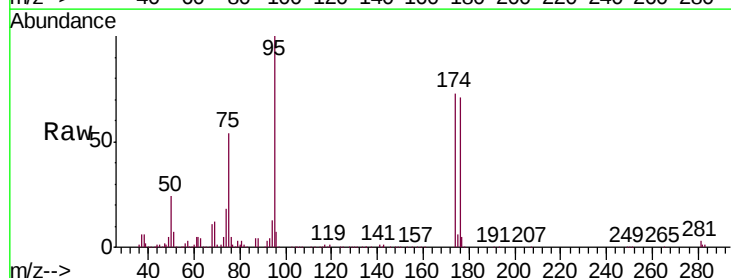
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-047RE

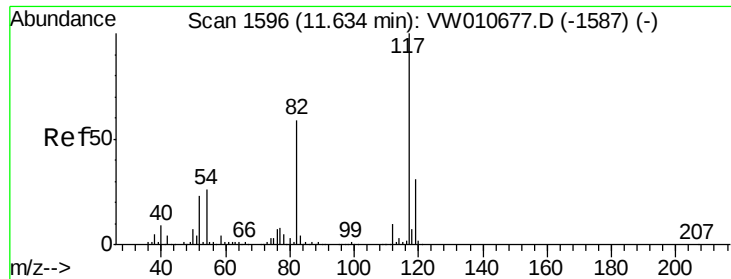
Tgt Ion: 98 Resp: 410422
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 48.841 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010731.D
Acq: 07 Jun 2019 16:14

Tgt Ion: 95 Resp: 133791
Ion Ratio Lower Upper
95 100
174 73.4 0.0 150.4
176 71.1 0.0 144.8

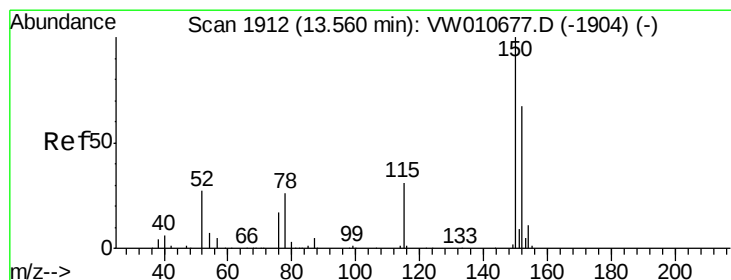
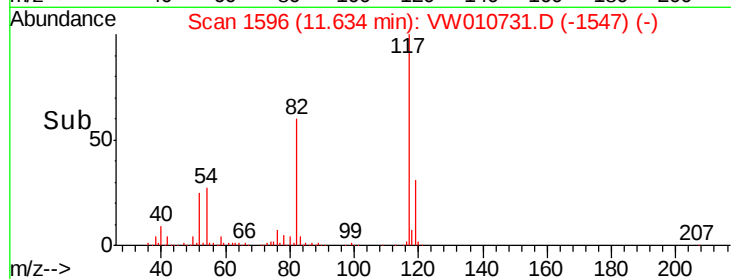
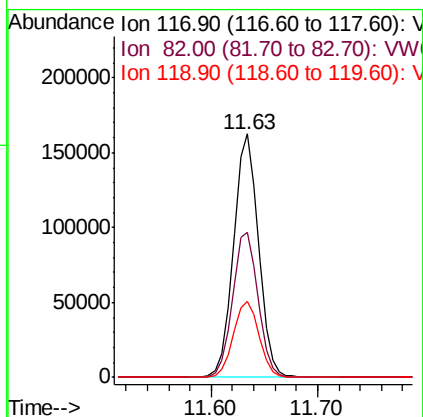
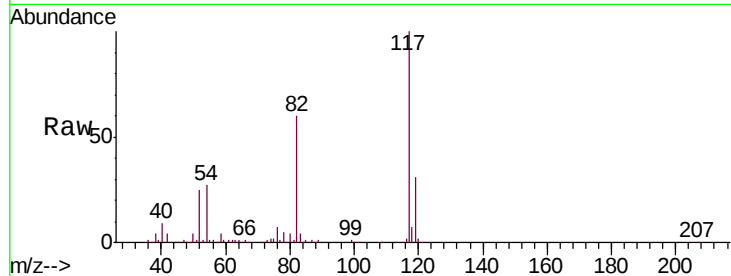




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010731.D
Acq: 07 Jun 2019 16:14

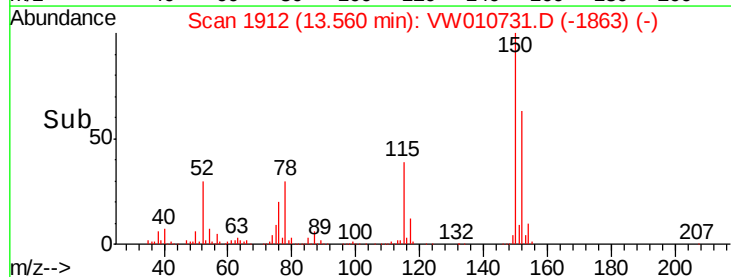
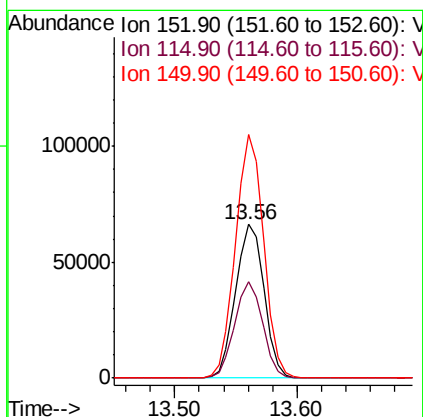
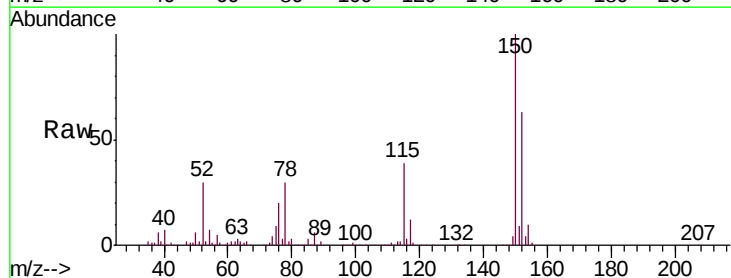
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-047RE

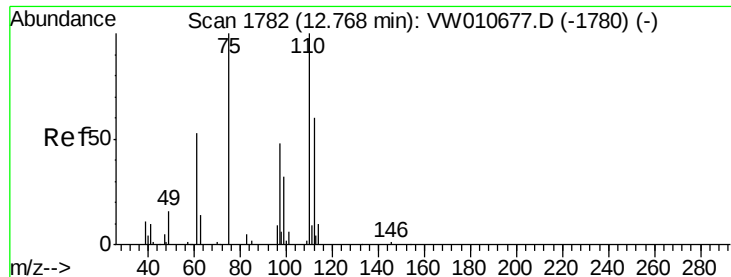
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.0	70.4
119	31.4	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010731.D
Acq: 07 Jun 2019 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	29.8	89.3
150	155.8	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 65.391 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010731.D

Acq: 07 Jun 2019 16:14

Instrument :

MSVOA_W

ClientSampleId :

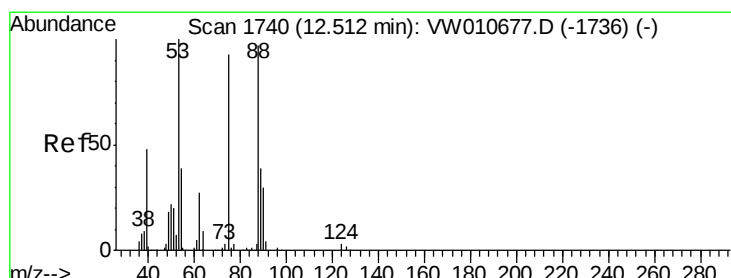
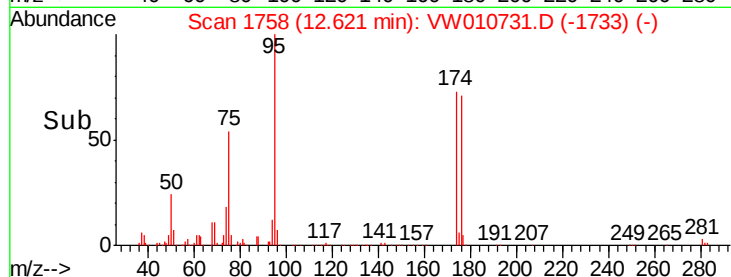
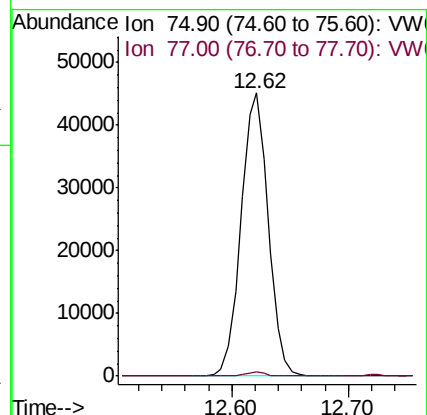
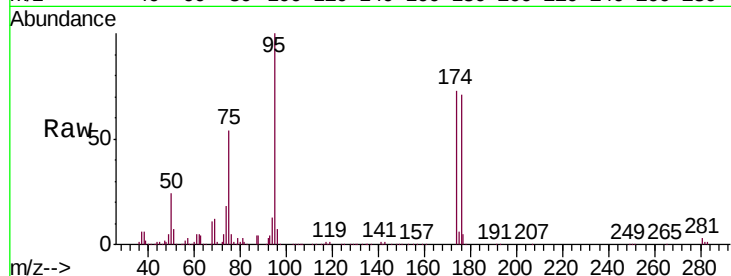
FK-PS-01-047RE

Tgt Ion: 75 Resp: 73316

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.291 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010731.D

Acq: 07 Jun 2019 16:14

Tgt Ion: 75 Resp: 73316

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#

