

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011745.D
 Acq On : 07 Aug 2019 12:40
 Operator : SY/VA
 Sample : K4034-02
 Misc : 6.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-054

Quant Time: Aug 08 08:39:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	191150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	317456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	237187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71198	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	125619	57.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.46%	
35) Dibromofluoromethane	7.88	113	99019	55.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.20%	
50) Toluene-d8	10.32	98	375750	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.62	95	99749	38.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.74%	

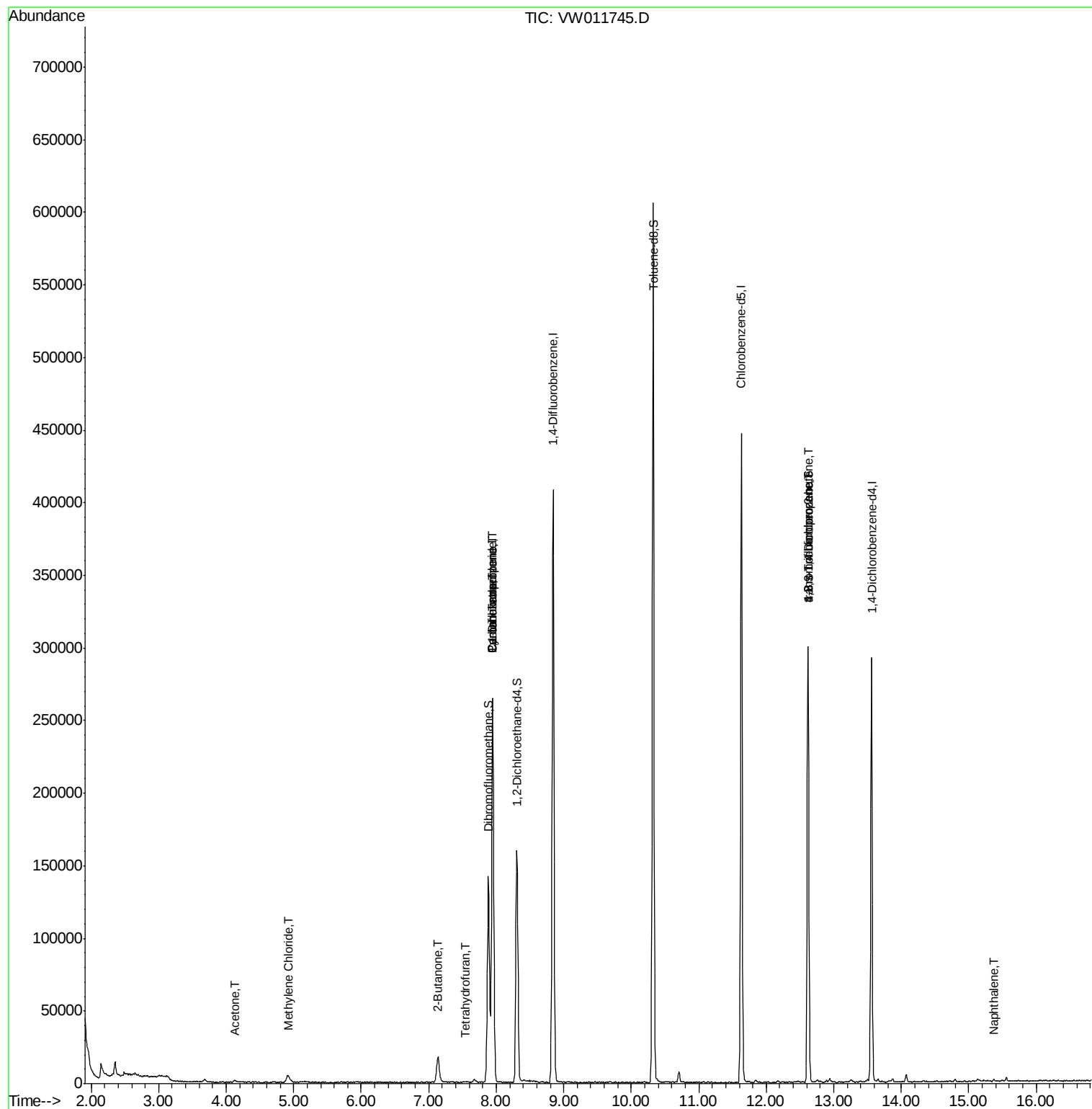
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	420	Below Cal	#	72
16) Acetone	4.13	43	3098	4.437	ug/l	91
20) Methylene Chloride	4.92	84	3408	1.415	ug/l #	75
25) 2-Butanone	7.14	43	1275	1.396	ug/l	91
29) Tetrahydrofuran	7.53	42	638	1.222	ug/l #	45
31) Cyclohexane	7.95	56	4887	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16982	5.145	ug/l #	52
38) Carbon Tetrachloride	7.95	117	18985	6.718	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	53654	71.220	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53654	164.137	ug/l #	6
95) Naphthalene	15.38	128	891	2.370	ug/l #	85

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

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QLast Update : Sat Jul 27 00:23:30 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: VW011745.D

Acq: 07 Aug 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

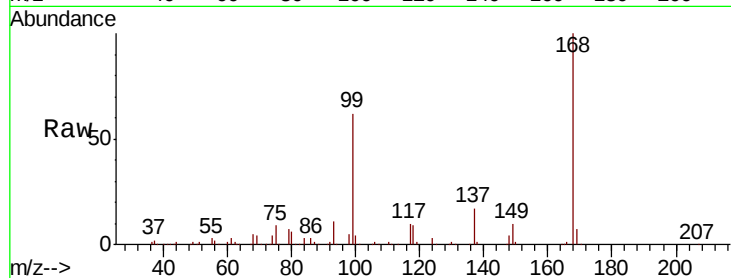
FK-PS-01-054

Tgt Ion:168 Resp: 191150

Ion Ratio Lower Upper

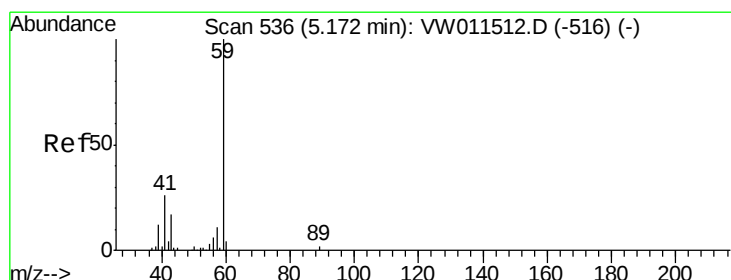
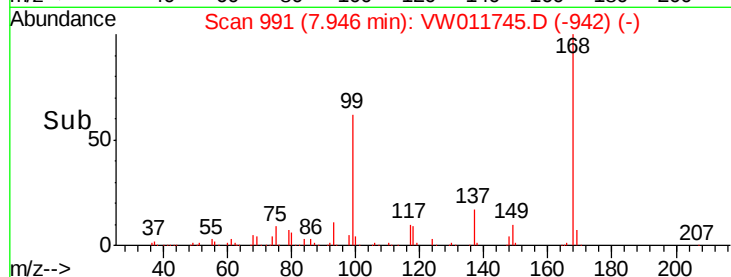
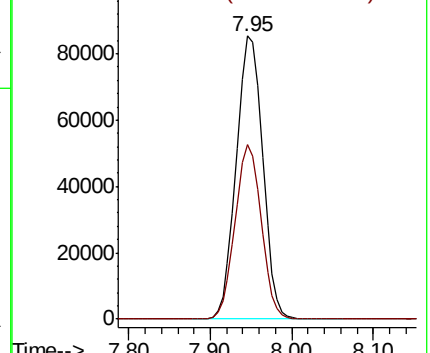
168 100

99 61.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW011745.D

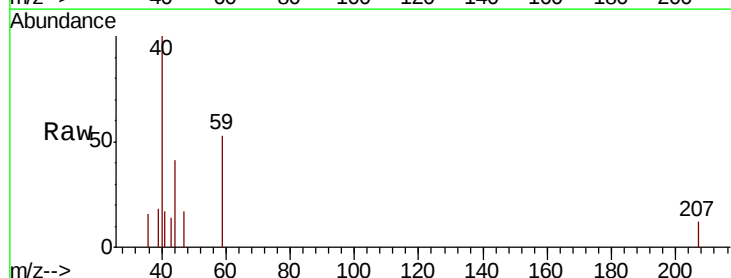
Acq: 07 Aug 2019 12:40

Tgt Ion: 59 Resp: 420

Ion Ratio Lower Upper

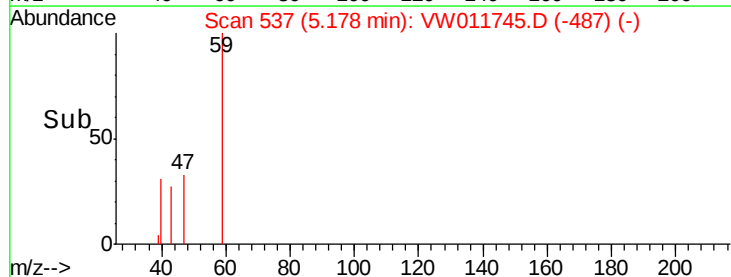
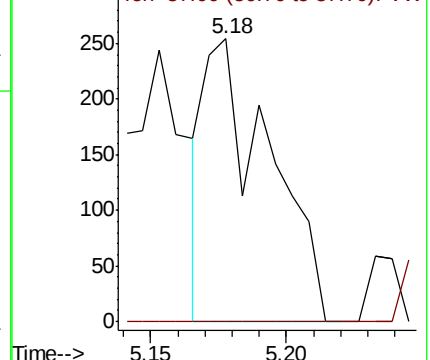
59 100

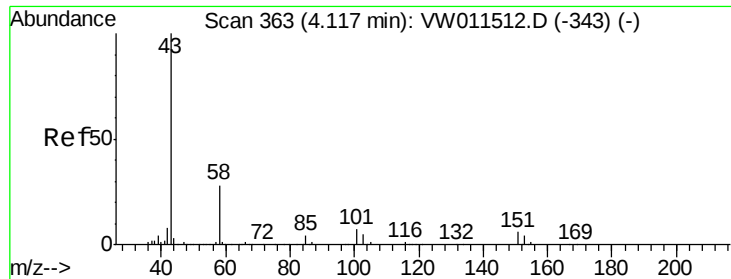
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.437 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011745.D

Acq: 07 Aug 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

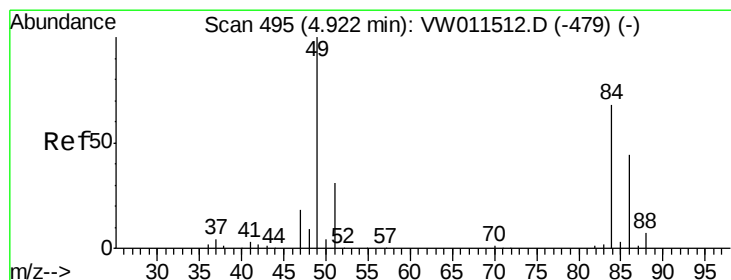
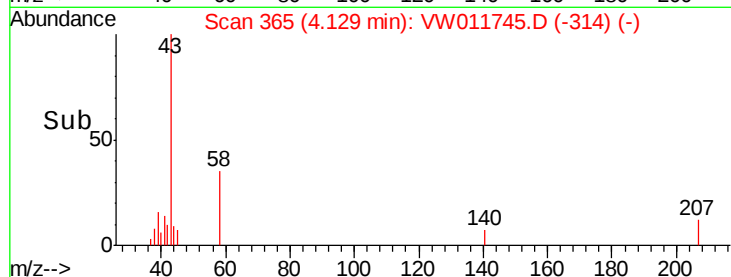
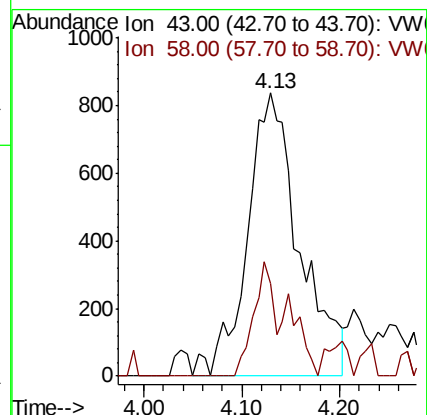
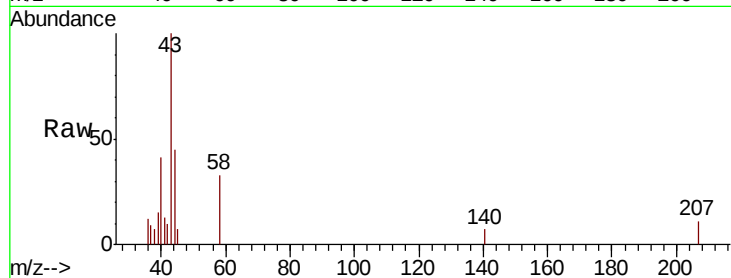
FK-PS-01-054

Tgt Ion: 43 Resp: 3098

Ion Ratio Lower Upper

43 100

58 32.9 22.3 33.5



#20

Methylene Chloride

Concen: 1.415 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011745.D

Acq: 07 Aug 2019 12:40

Tgt Ion: 84 Resp: 3408

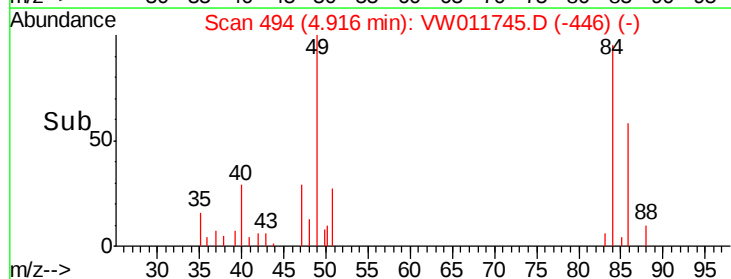
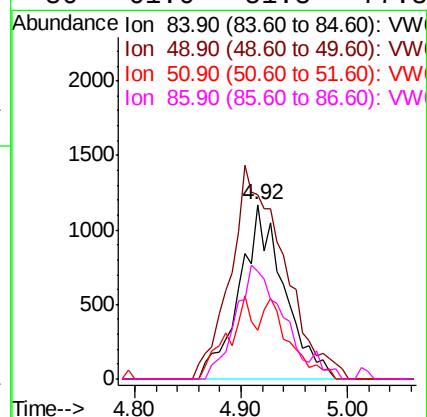
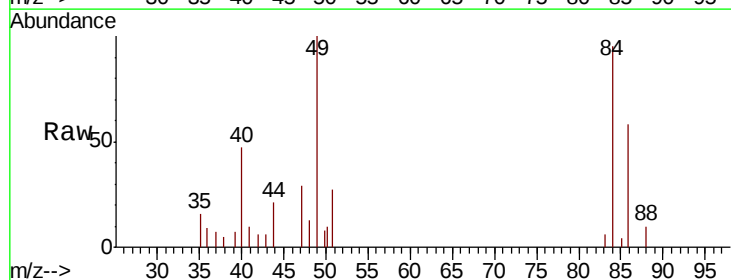
Ion Ratio Lower Upper

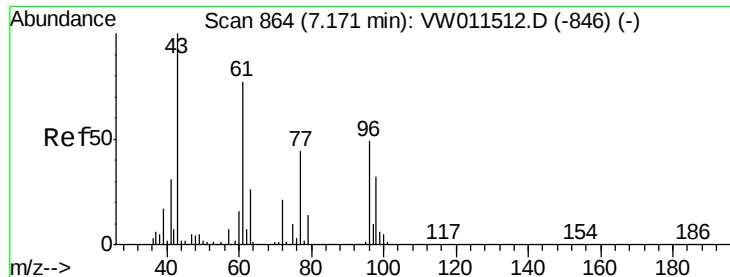
84 100

49 105.6 117.8 176.6#

51 28.2 37.0 55.4#

86 61.6 51.8 77.8





#25

2-Butanone

Concen: 1.396 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011745.D

Acq: 07 Aug 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

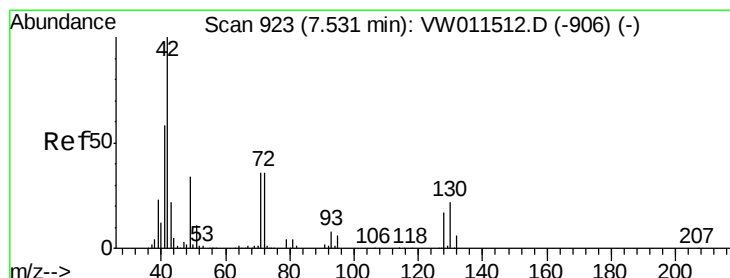
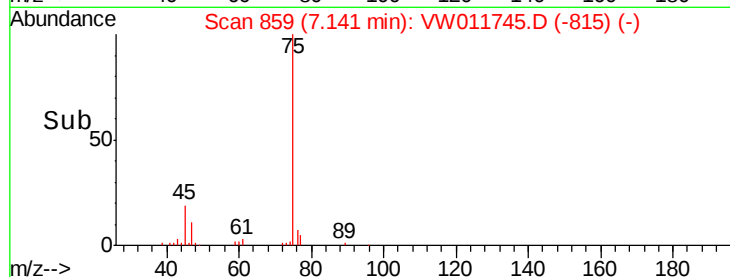
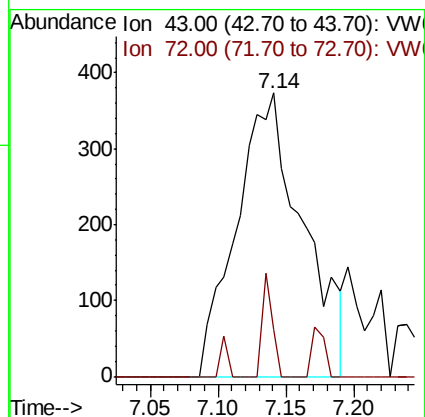
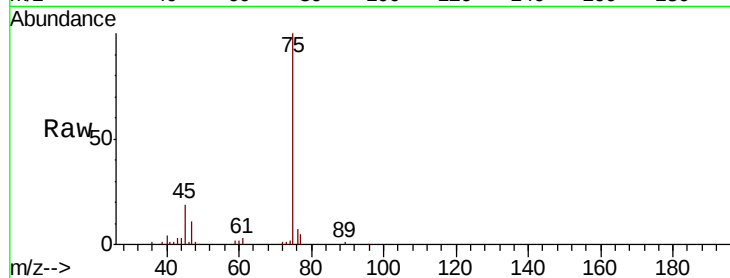
FK-PS-01-054

Tgt Ion: 43 Resp: 1275

Ion Ratio Lower Upper

43 100

72 16.6 16.6 24.8



#29

Tetrahydrofuran

Concen: 1.222 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW011745.D

Acq: 07 Aug 2019 12:40

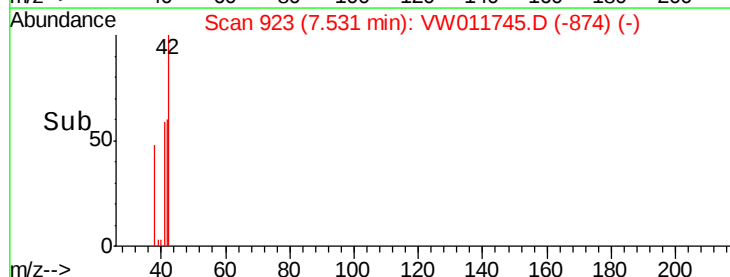
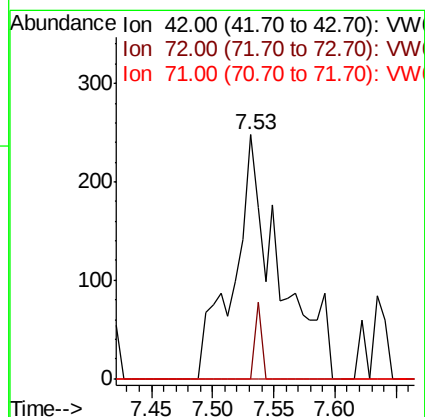
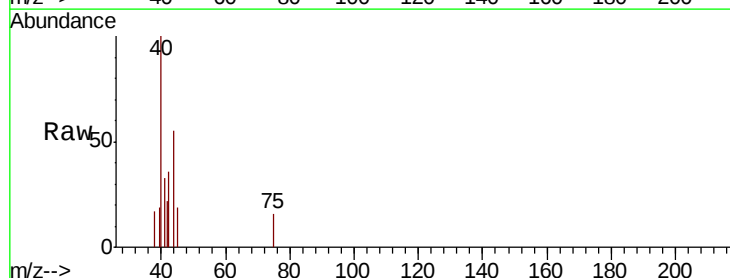
Tgt Ion: 42 Resp: 638

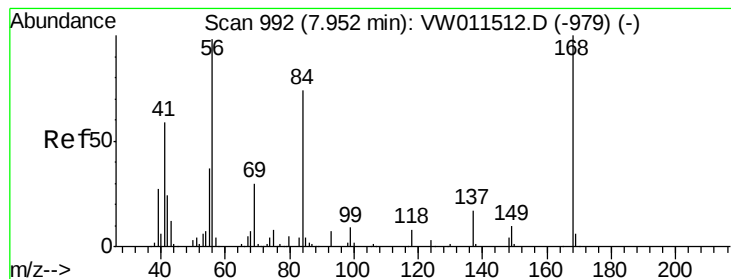
Ion Ratio Lower Upper

42 100

72 4.5 27.1 40.7#

71 0.0 26.2 39.4#





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011745.D

Acq: 07 Aug 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-054

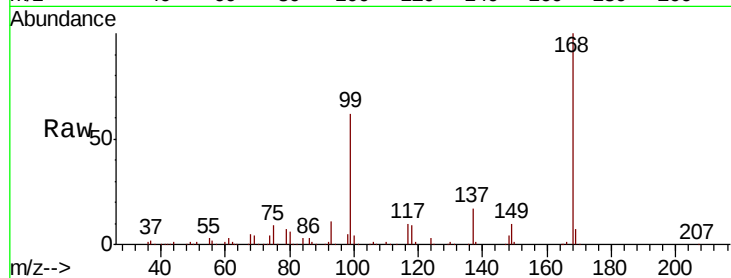
Tgt Ion: 56 Resp: 4887

Ion Ratio Lower Upper

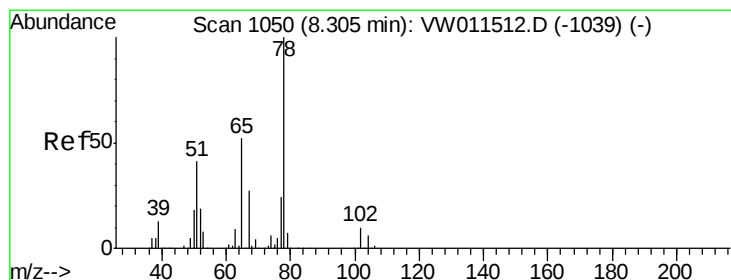
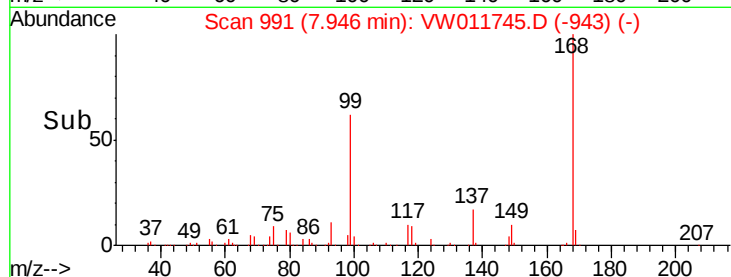
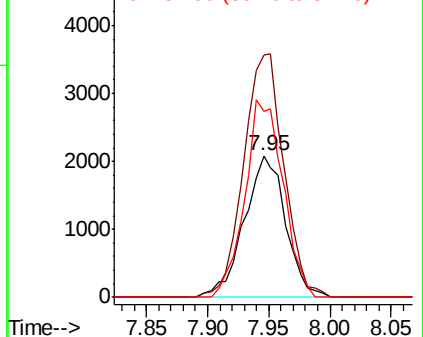
56 100

69 171.6 24.3 36.5#

84 131.8 60.4 90.6#



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: 57.231 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011745.D

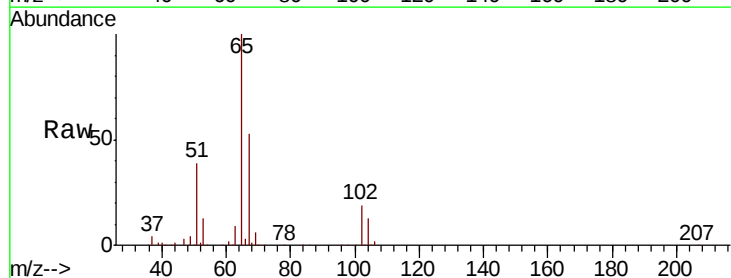
Acq: 07 Aug 2019 12:40

Tgt Ion: 65 Resp: 125619

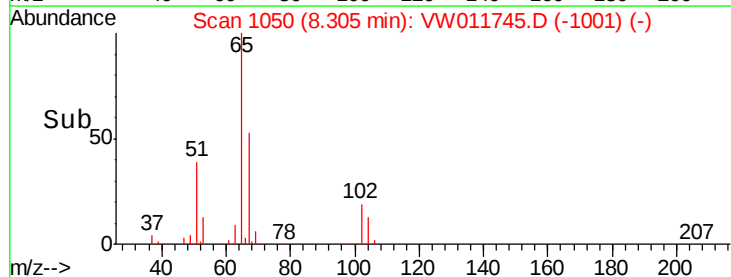
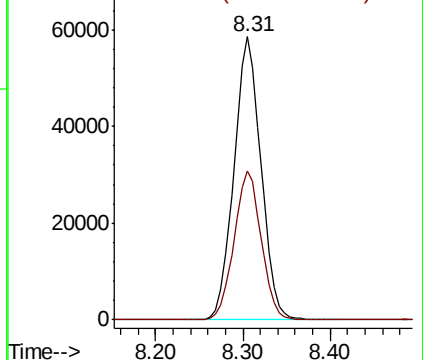
Ion Ratio Lower Upper

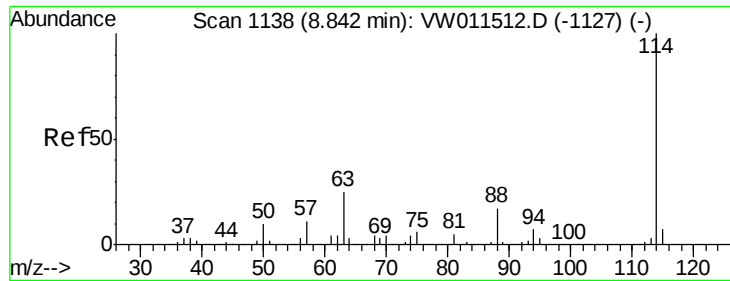
65 100

67 52.8 0.0 105.2



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

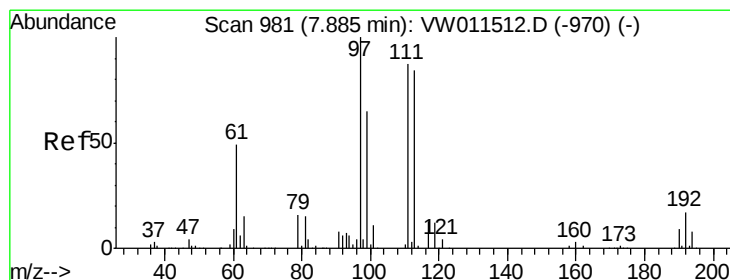
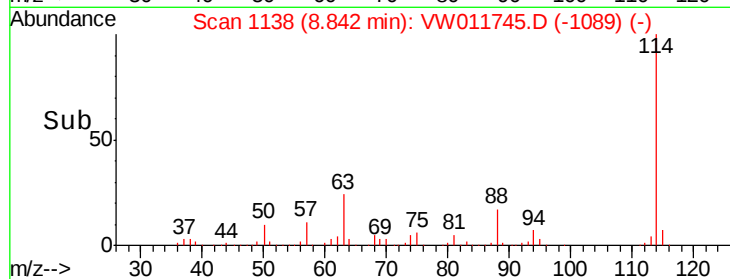
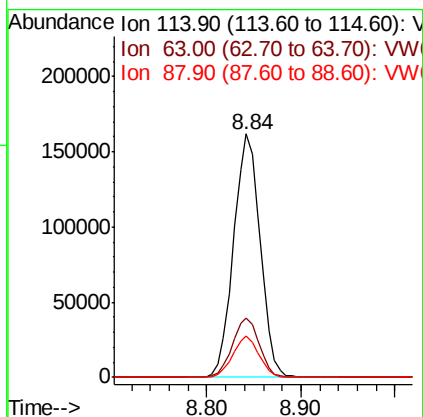
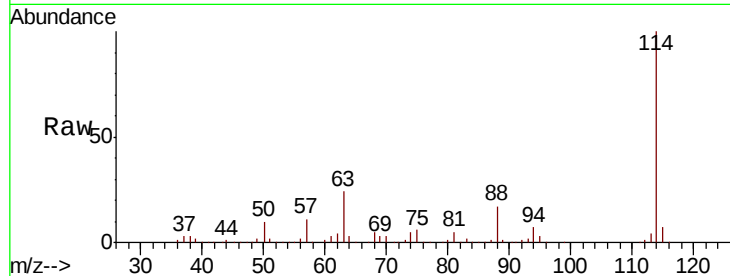




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011745.D
 Acq: 07 Aug 2019 12:40

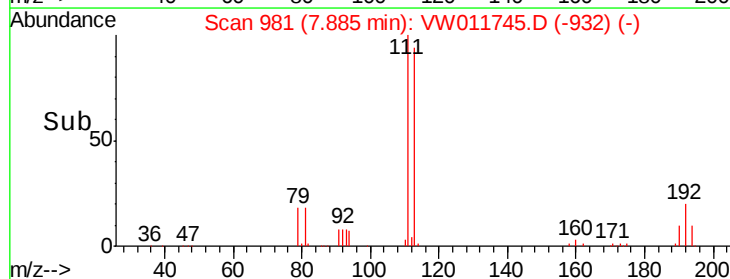
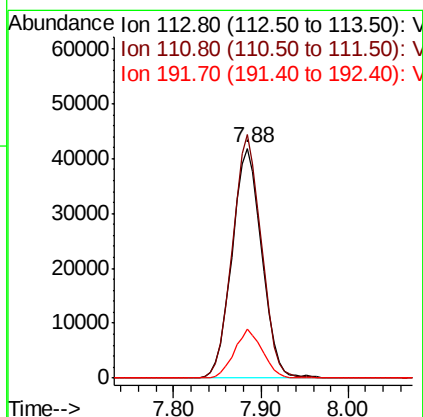
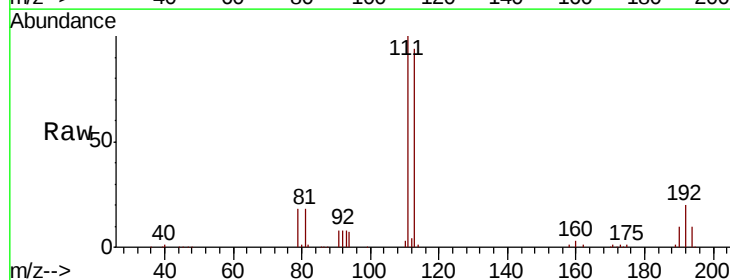
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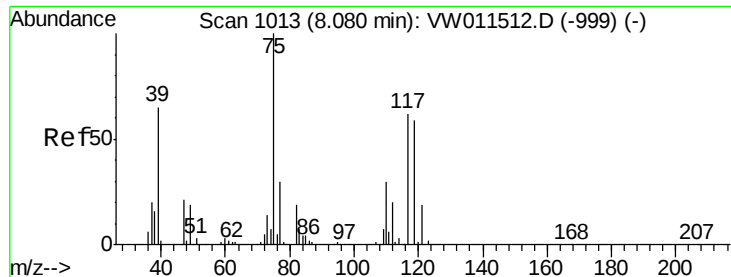
Tgt Ion:114 Resp: 317456
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.9 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 55.598 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011745.D
 Acq: 07 Aug 2019 12:40

Tgt Ion:113 Resp: 99019
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.0 16.1 24.1

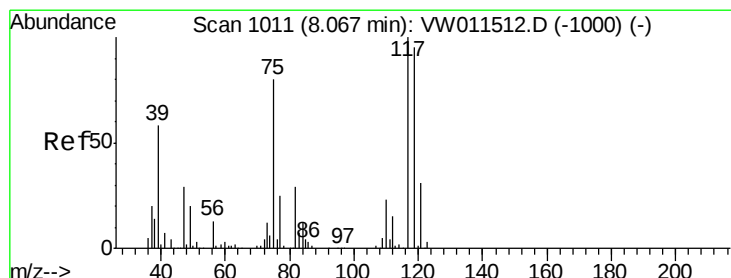
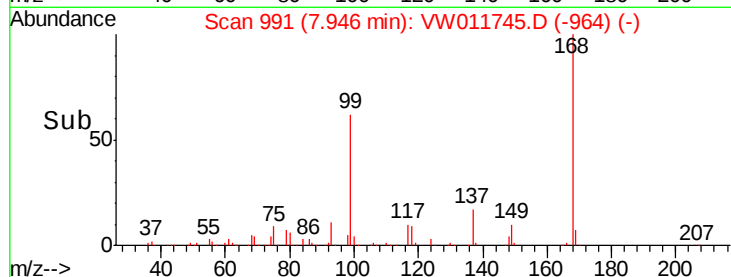
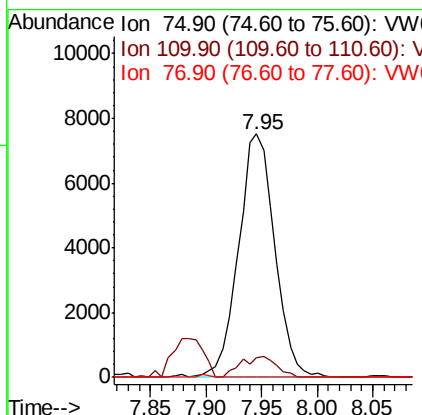
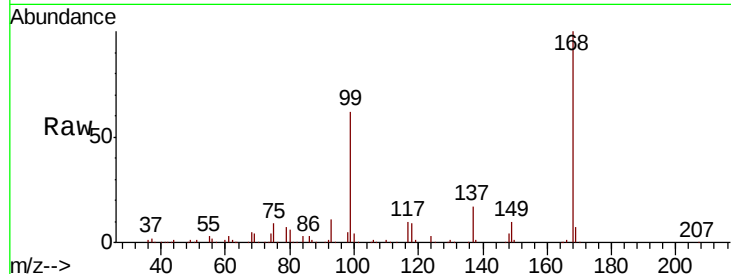




#36
 1,1-Dichloropropene
 Concen: 5.145 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011745.D
 Acq: 07 Aug 2019 12:40

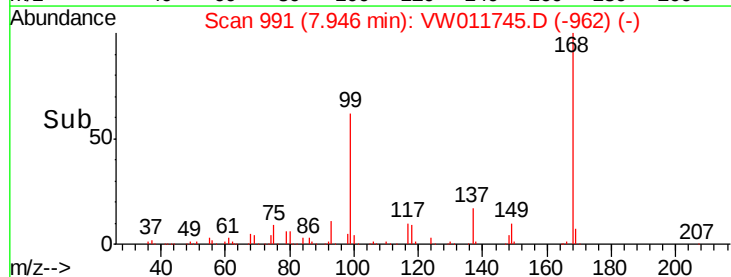
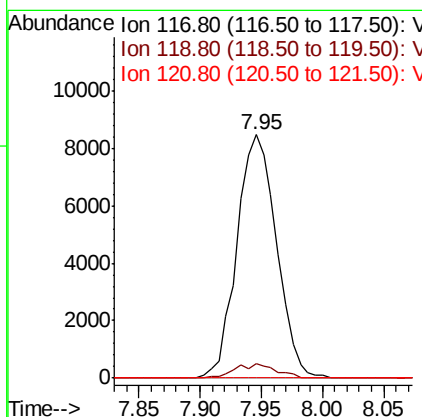
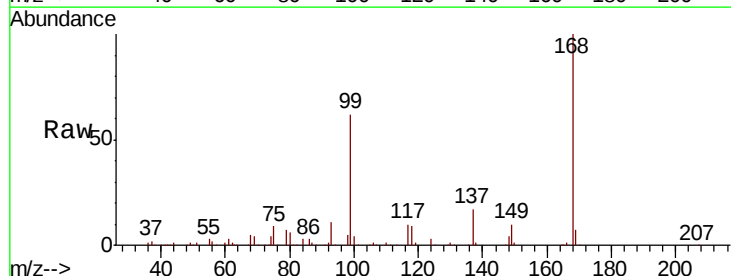
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 MSVOA_W
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 FK-PS-01-054

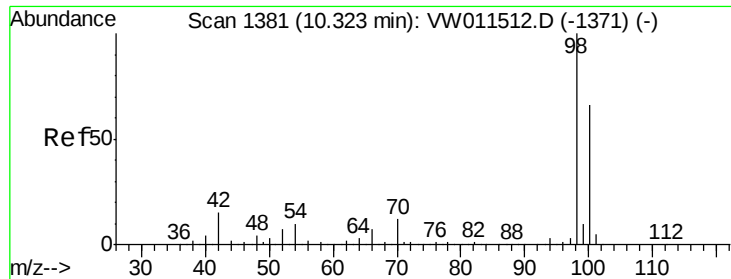
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.718 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011745.D
 Acq: 07 Aug 2019 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 51.530 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011745.D

Acq: 07 Aug 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

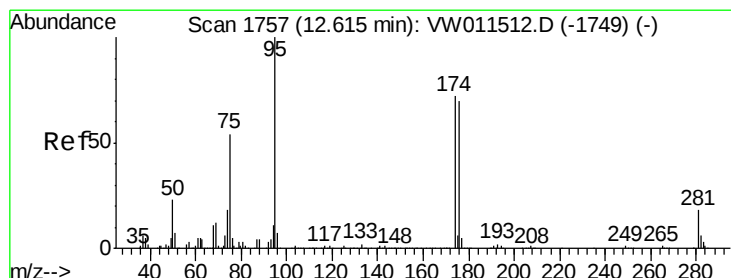
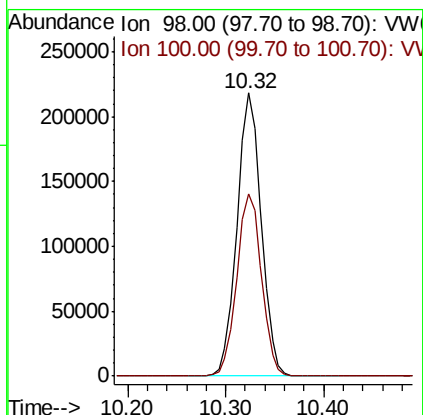
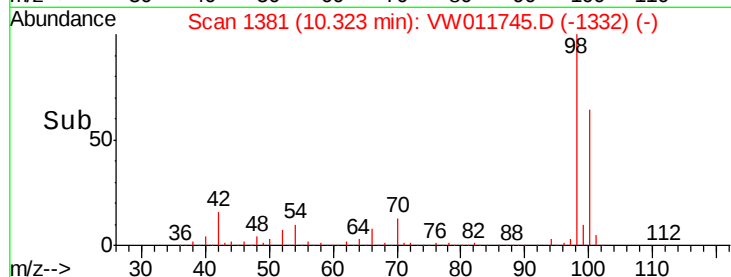
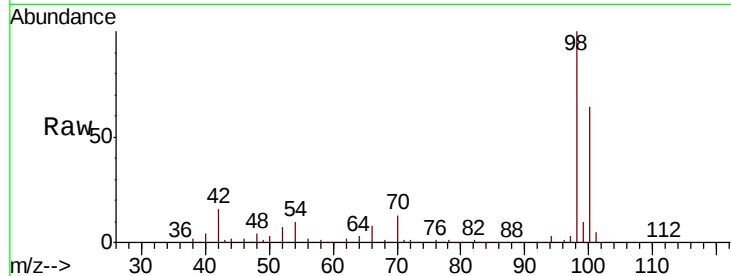
FK-PS-01-054

Tgt Ion: 98 Resp: 375750

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 38.369 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011745.D

Acq: 07 Aug 2019 12:40

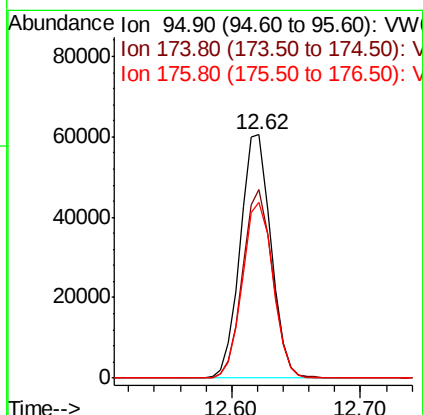
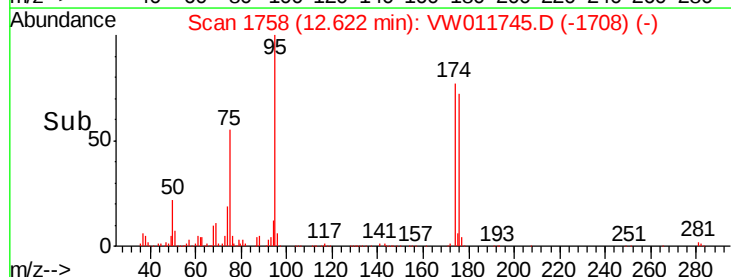
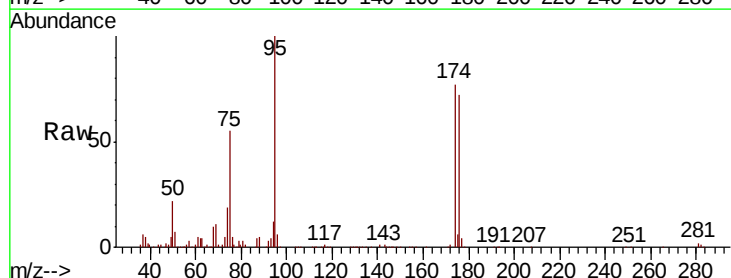
Tgt Ion: 95 Resp: 99749

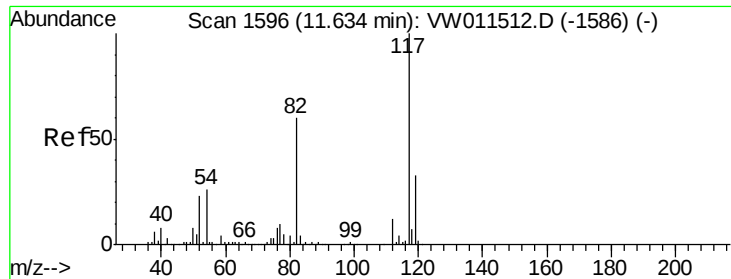
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

176 72.1 0.0 144.4

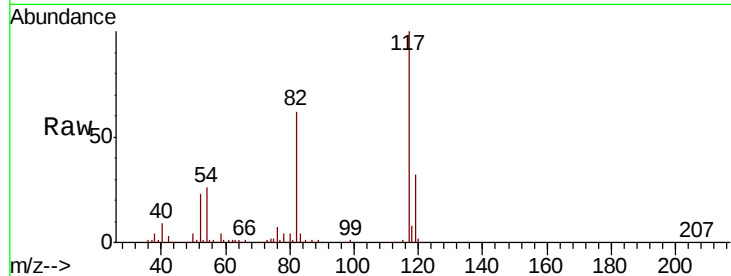




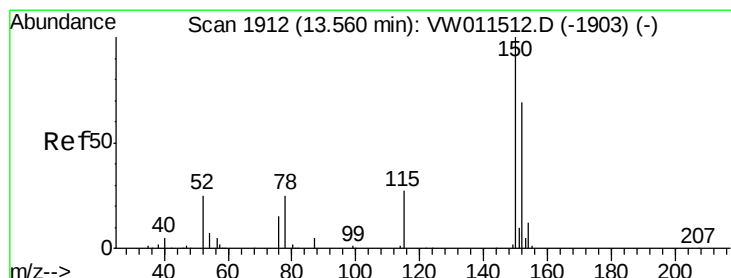
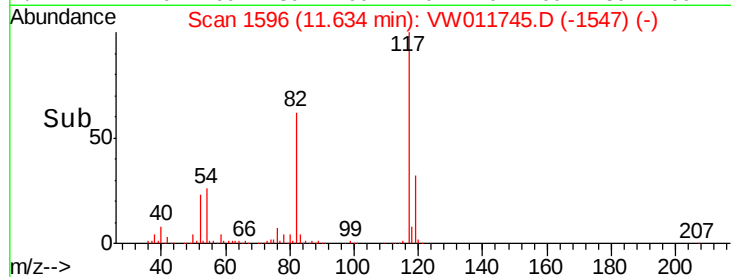
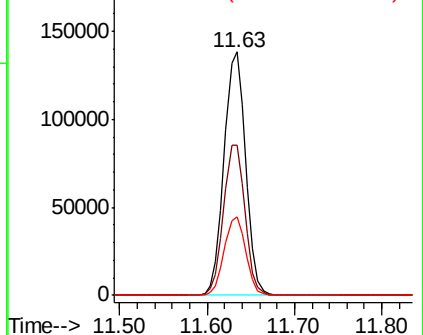
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011745.D
Acq: 07 Aug 2019 12:40

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-054

Tgt Ion:117 Resp: 237187
Ion Ratio Lower Upper
117 100
82 61.5 47.9 71.9
119 32.1 26.2 39.2

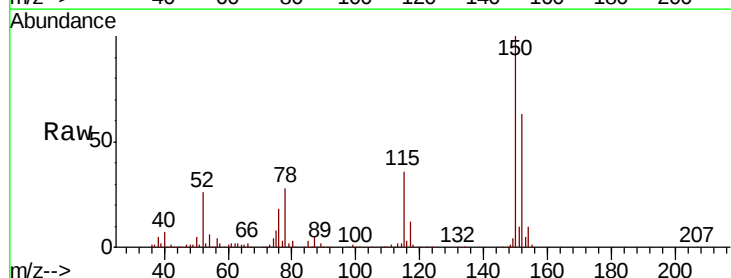


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

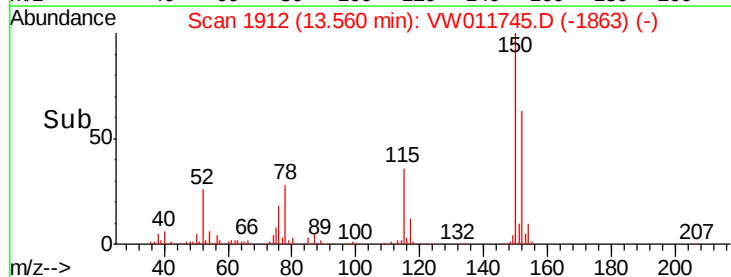
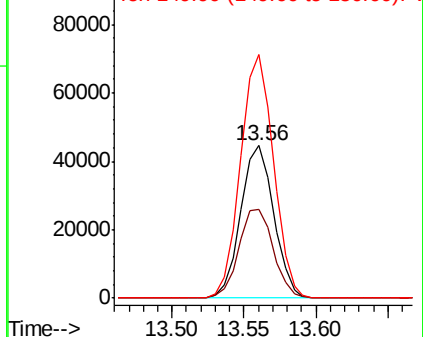


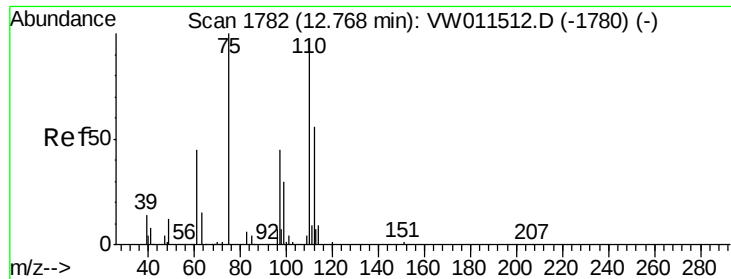
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011745.D
Acq: 07 Aug 2019 12:40

Tgt Ion:152 Resp: 71198
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 159.2 0.0 352.6



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

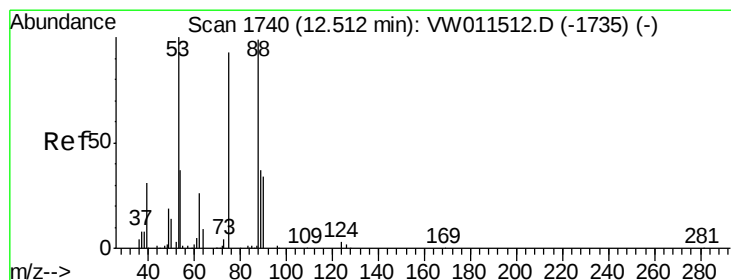
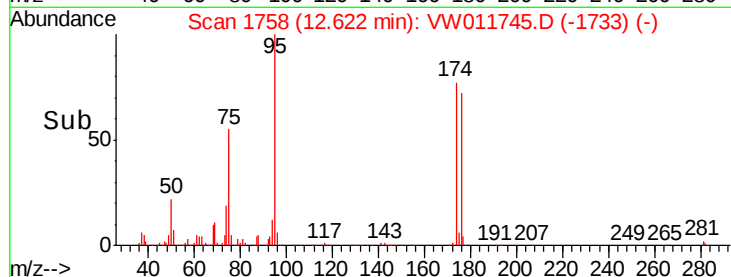
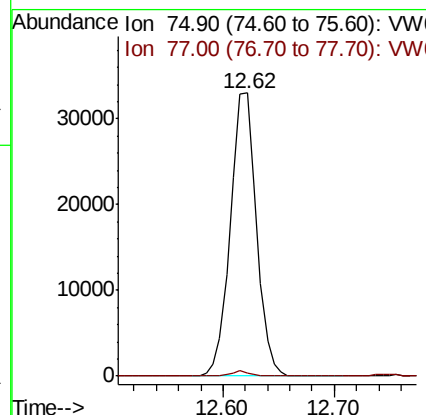
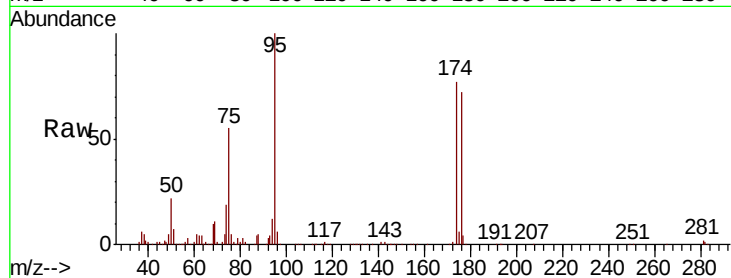




#76
 1,2,3-Trichloropropane
 Concen: 71.220 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW011745.D
 Acq: 07 Aug 2019 12:40

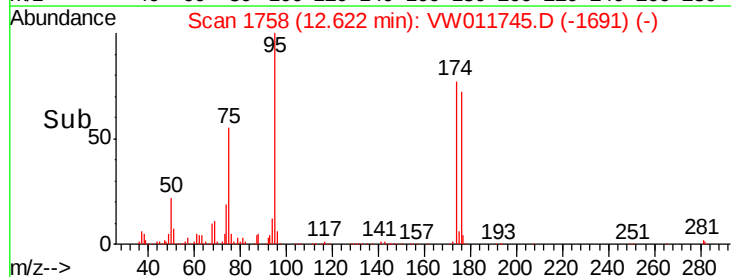
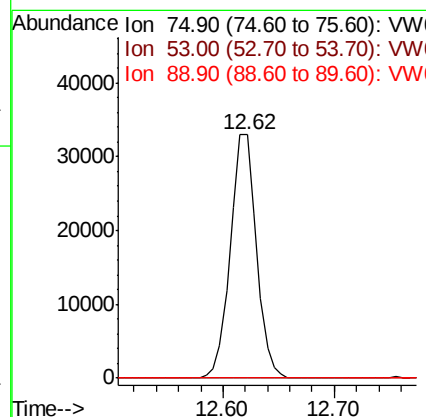
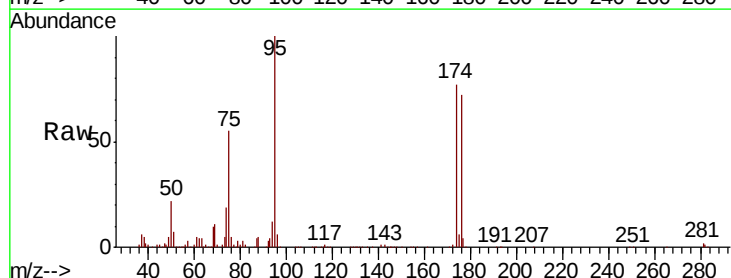
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-054

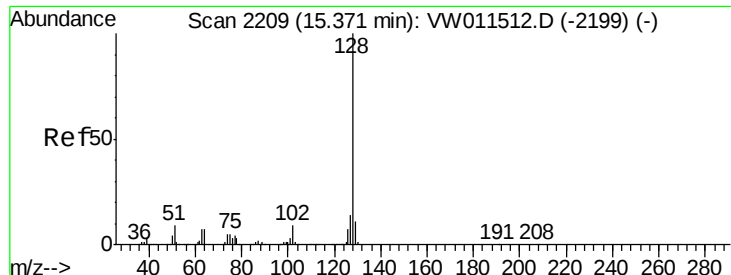
Tgt Ion: 75 Resp: 53654
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 164.137 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW011745.D
 Acq: 07 Aug 2019 12:40

Tgt Ion: 75 Resp: 53654
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.1 35.3 52.9#





#95

Naphthalene

Concen: 2.370 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011745.D

Acq: 07 Aug 2019 12:40

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-054

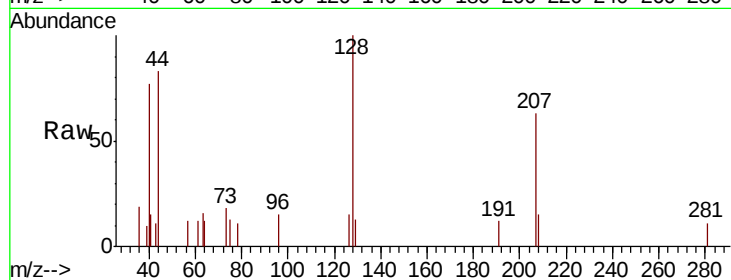
Tgt Ion:128 Resp: 891

Ion Ratio Lower Upper

128 100

127 6.2 10.6 16.0#

129 6.2 8.6 13.0#



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

