

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010872.D
 Acq On : 20 Jun 2019 03:34
 Operator : SY/VA
 Sample : K3440-04
 Misc : 4.69G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-03-008-B

Quant Time: Jun 20 05:52:16 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	237780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	372023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172180	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	153118	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
35) Dibromofluoromethane	7.88	113	112700	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	10.32	98	437355	42.78	ug/l	0.00
Spiked Amount			Recovery	=	85.56%	
62) 4-Bromofluorobenzene	12.62	95	169389	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

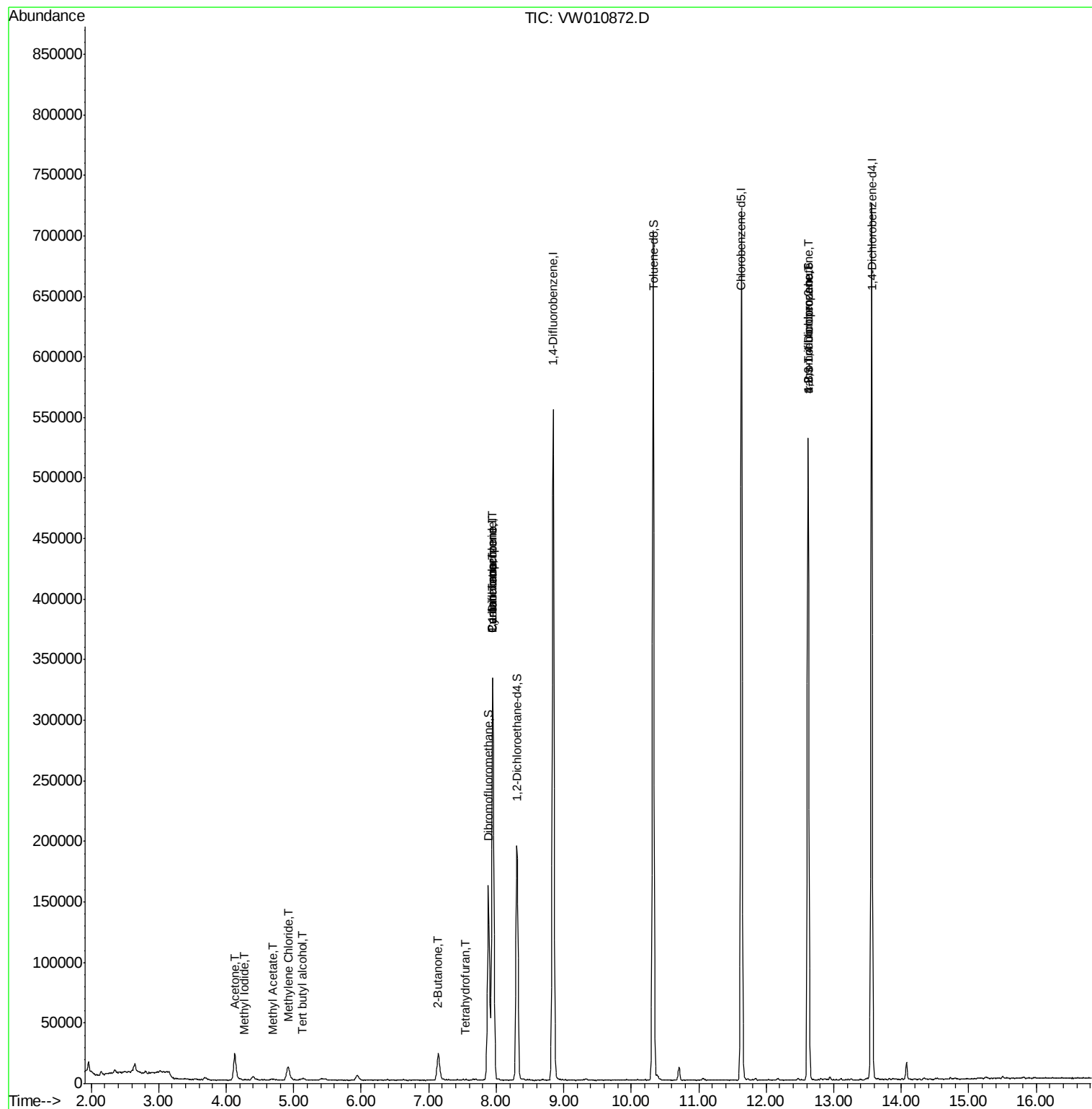
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	83	4.829	ug/l #	41
11) Tert butyl alcohol	5.12	59	518	2.269	ug/l #	72
16) Acetone	4.12	43	39460	52.546	ug/l	96
18) Methyl Acetate	4.70	43	1824	1.128	ug/l #	82
20) Methylene Chloride	4.92	84	7375	2.799	ug/l	88
25) 2-Butanone	7.14	43	1491	1.432	ug/l #	85
29) Tetrahydrofuran	7.55	42	708	1.081	ug/l #	66
31) Cyclohexane	7.95	56	6471	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21601	4.913	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24652	6.495	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	92359	51.080	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	92359	117.399	ug/l #	5

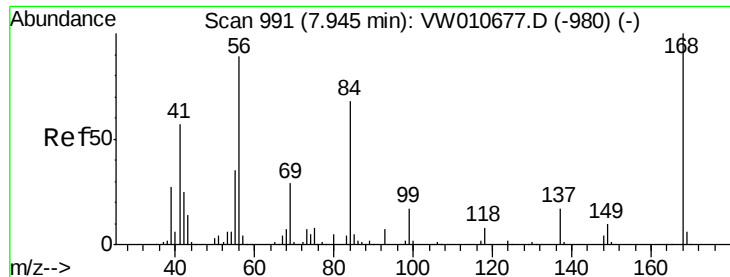
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\
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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 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: VW010872.D

Acq: 20 Jun 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

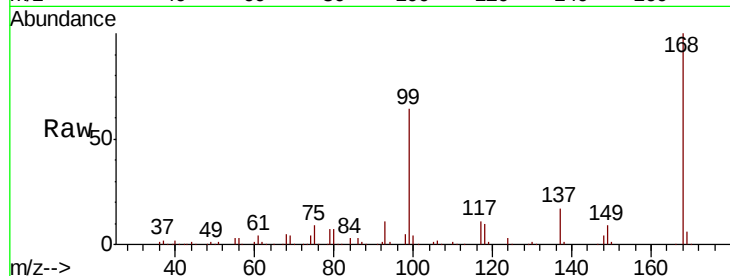
FK-SF-03-008-B

Tot Ion:168 Resp: 237780

Ion Ratio Lower Upper

168 100

99 63.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.95

120000

100000

80000

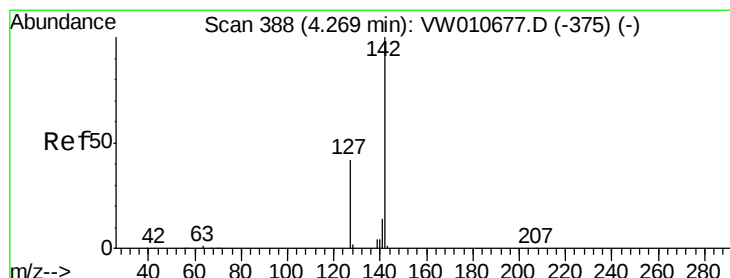
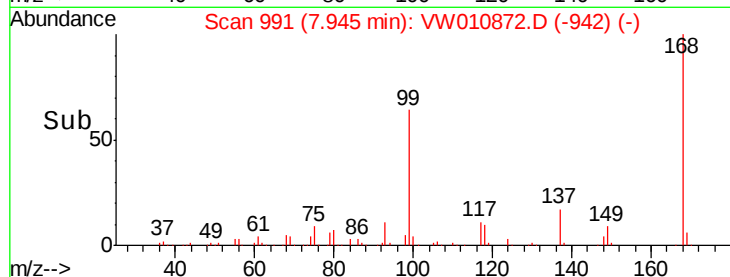
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.829 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW010872.D

Acq: 20 Jun 2019 03:34

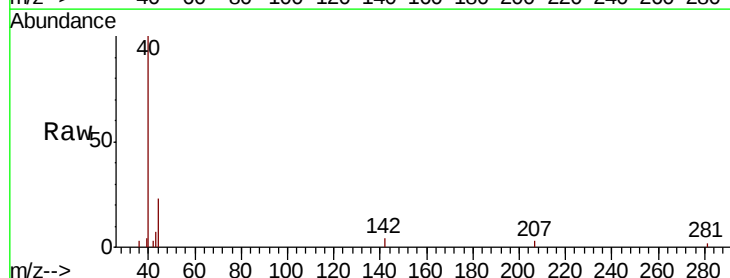
Tgt Ion:142 Resp: 83

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

120

100

80

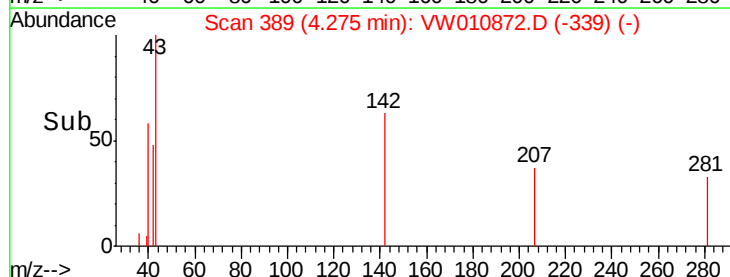
60

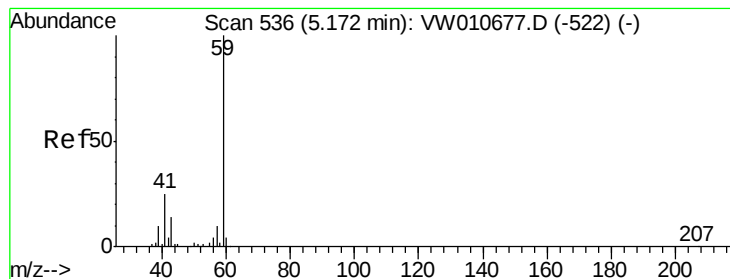
40

20

0

Time-->



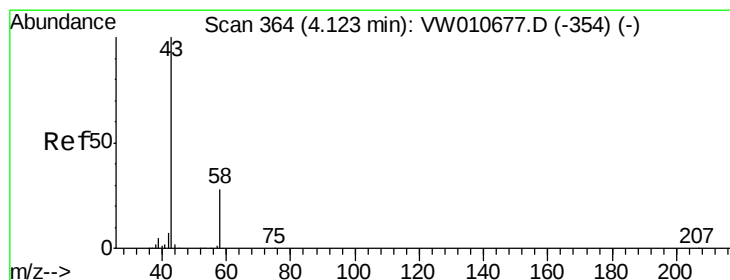
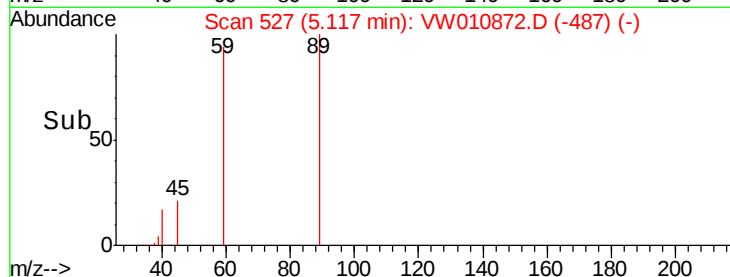
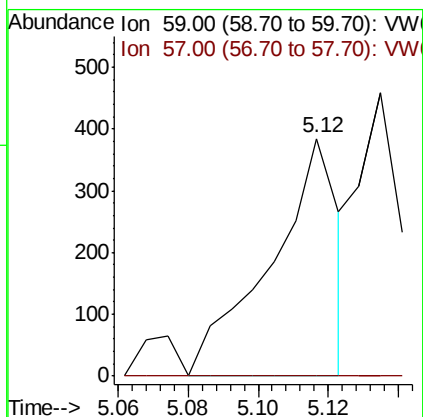
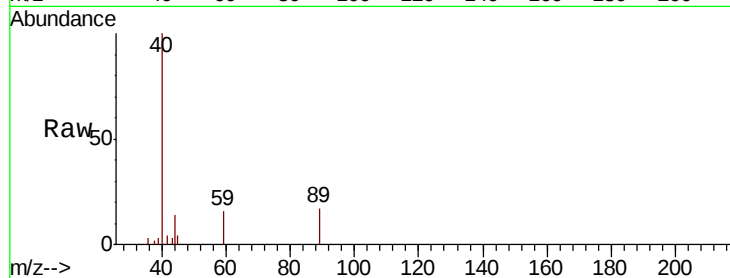


#11

Tert butyl alcohol
 Concen: 2.269 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.05 min
 Lab File: VW010872.D
 Acq: 20 Jun 2019 03:34

Instrument :
 MSVOA_W
 ClientSampled :
 FK-SF-03-008-B

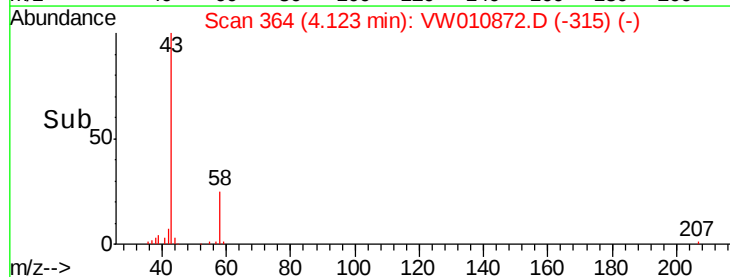
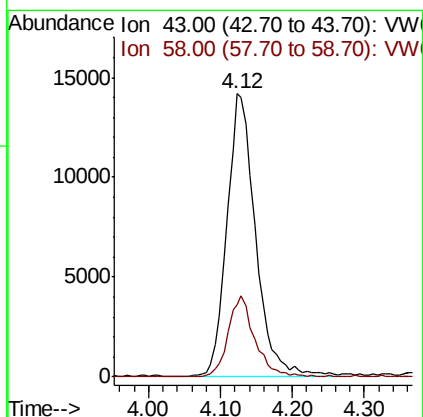
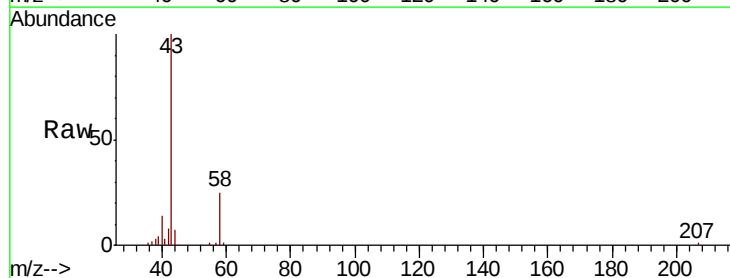
Tot Ion: 59 Resp: 518
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

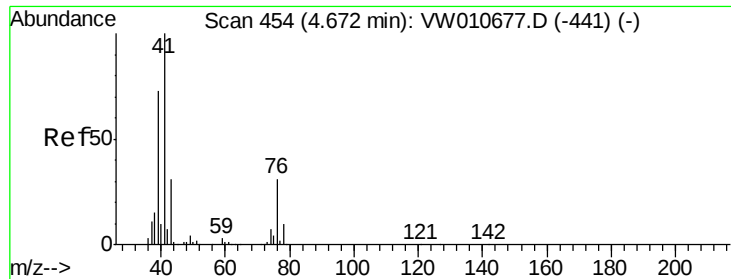


#16

Acetone
 Concen: 52.546 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VW010872.D
 Acq: 20 Jun 2019 03:34

Tgt Ion: 43 Resp: 39460
 Ion Ratio Lower Upper
 43 100
 58 25.3 22.1 33.1

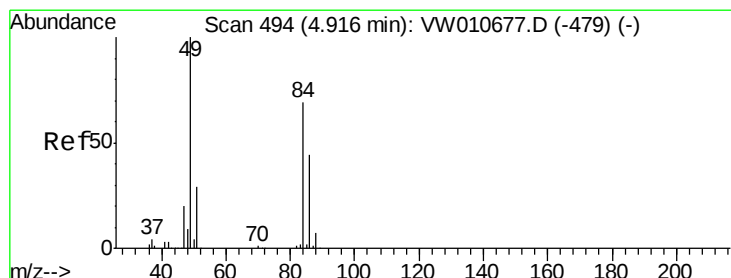
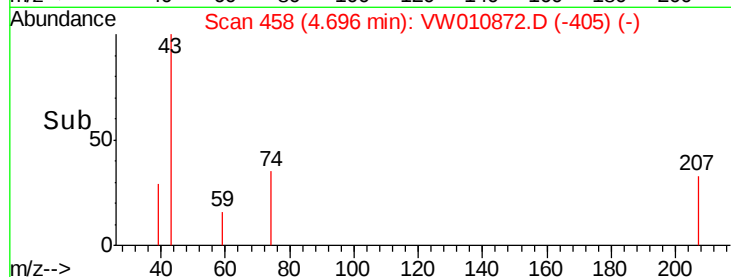
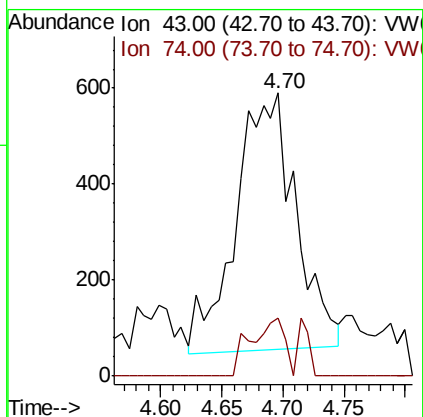
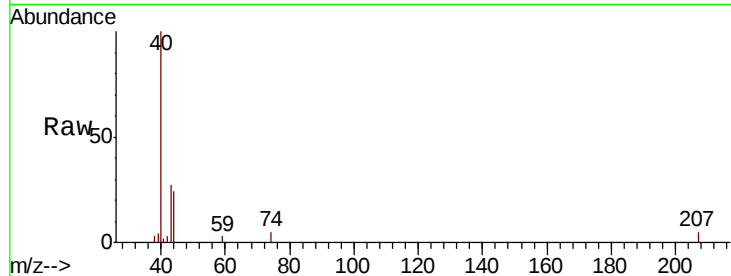




#18
Methyl Acetate
Concen: 1.128 ug/l
RT: 4.70 min Scan# 458
Delta R.T. 0.02 min
Lab File: VW010872.D
Acq: 20 Jun 2019 03:34

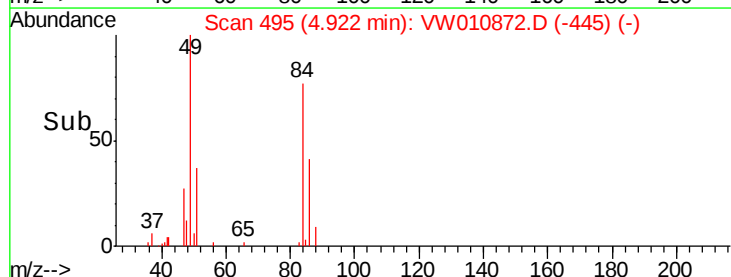
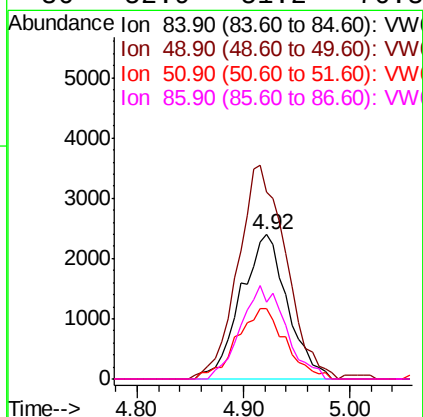
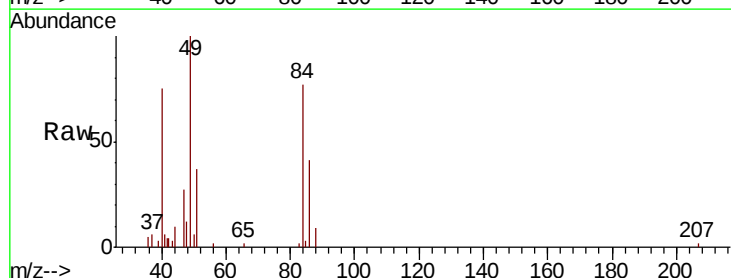
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-008-B

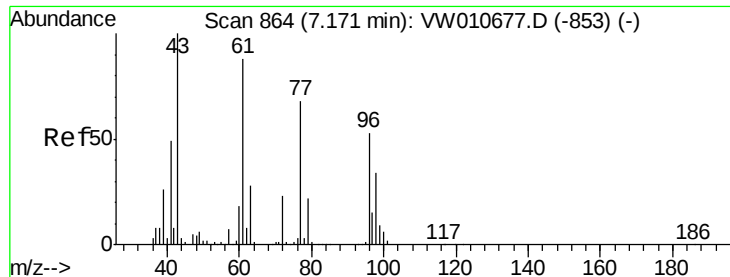
Tot Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
74 12.6 16.7 25.1#



#20
Methylene Chloride
Concen: 2.799 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010872.D
Acq: 20 Jun 2019 03:34

Tgt Ion: 84 Resp: 7375
Ion Ratio Lower Upper
84 100
49 130.1 116.7 175.1
51 48.5 34.2 51.2
86 52.9 51.2 76.8





#25

2-Butanone

Concen: 1.432 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010872.D

Acq: 20 Jun 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

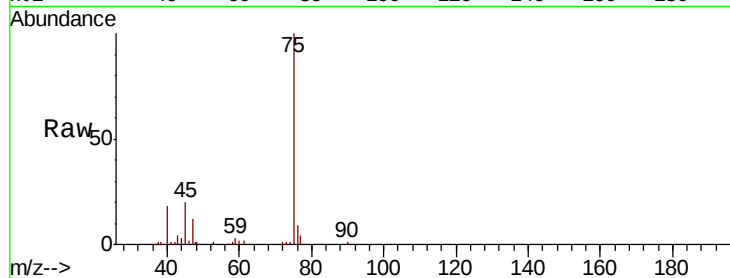
FK-SF-03-008-B

Tot Ion: 43 Resp: 1491

Ion Ratio Lower Upper

43 100

72 15.4 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14

600

500

400

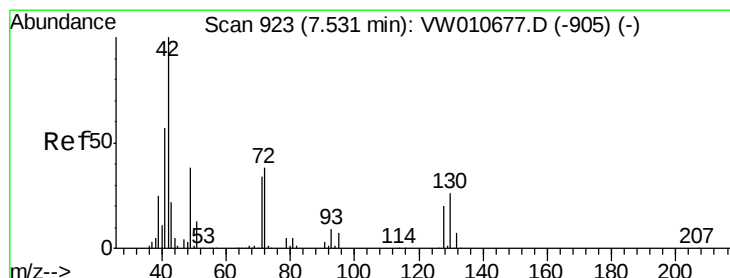
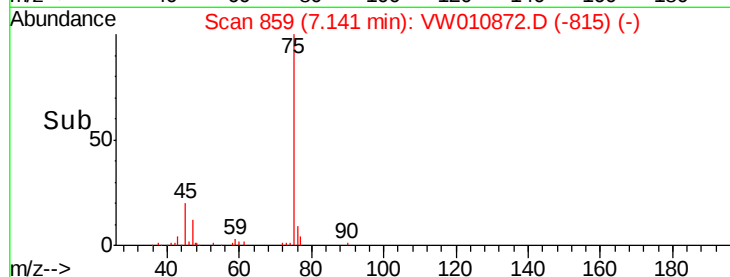
300

200

100

0

Time--> 7.05 7.10 7.15 7.20



#29

Tetrahydrofuran

Concen: 1.081 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW010872.D

Acq: 20 Jun 2019 03:34

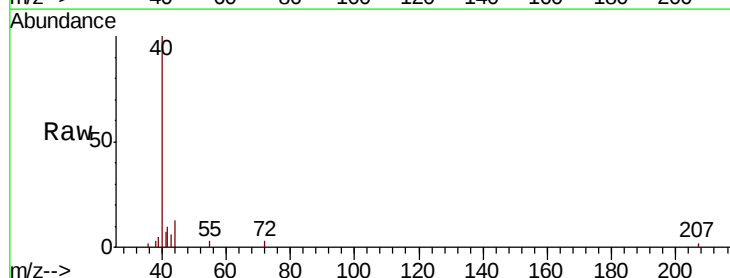
Tgt Ion: 42 Resp: 708

Ion Ratio Lower Upper

42 100

72 18.8 28.7 43.1#

71 11.3 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

7.55

300

250

200

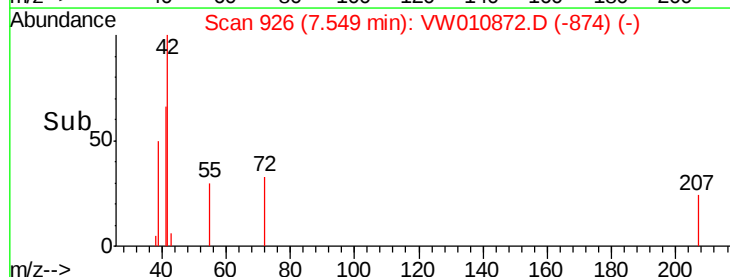
150

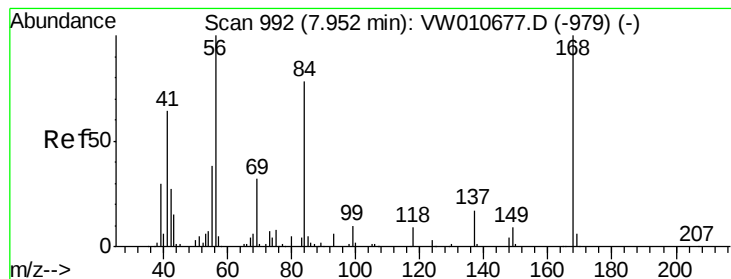
100

50

0

Time--> 7.45 7.50 7.55 7.60





#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010872.D

Acq: 20 Jun 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-03-008-B

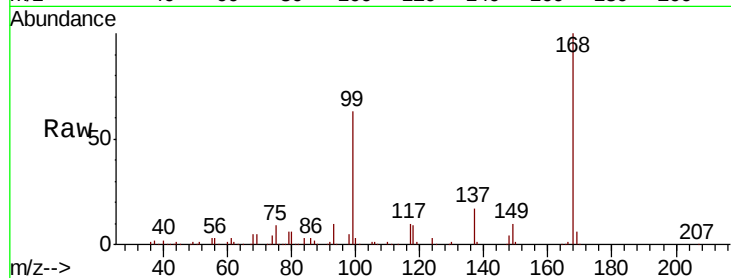
Tot Ion: 56 Resp: 6471

Ion Ratio Lower Upper

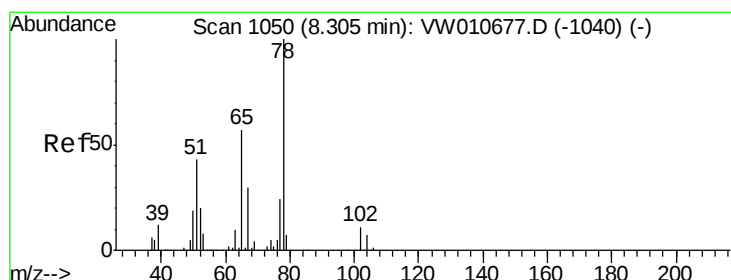
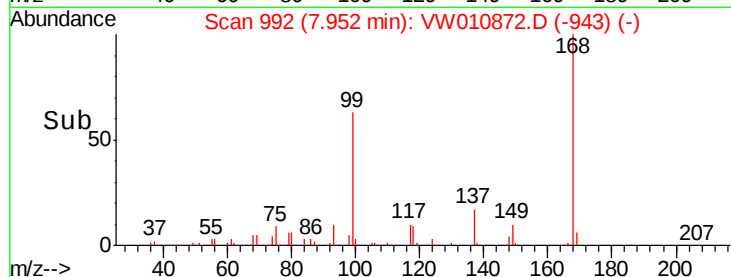
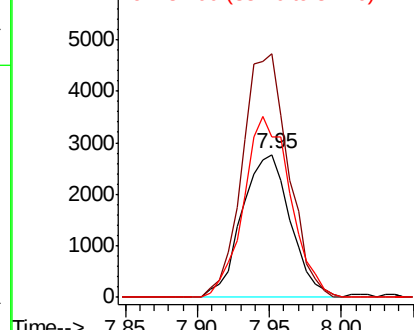
56 100

69 170.2 25.2 37.8#

84 112.1 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: 54.634 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010872.D

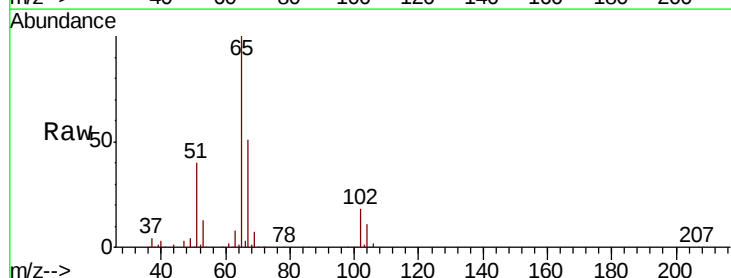
Acq: 20 Jun 2019 03:34

Tgt Ion: 65 Resp: 153118

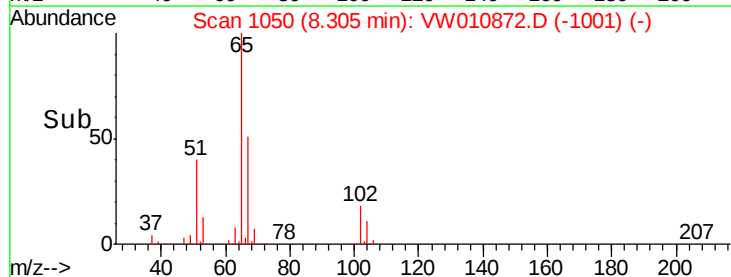
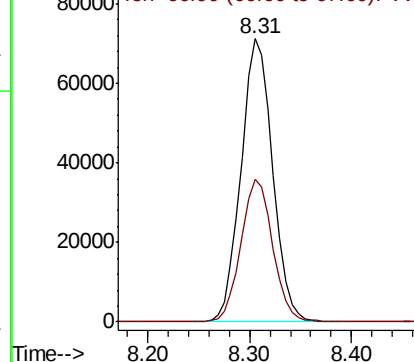
Ion Ratio Lower Upper

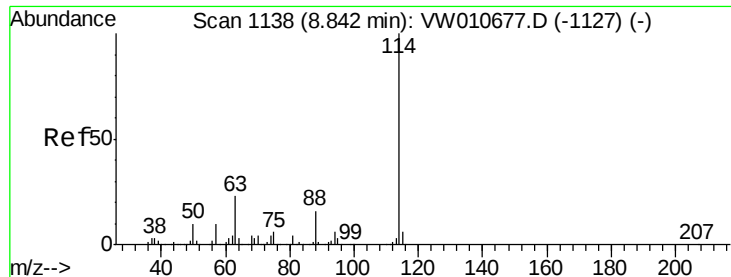
65 100

67 50.7 0.0 102.6



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

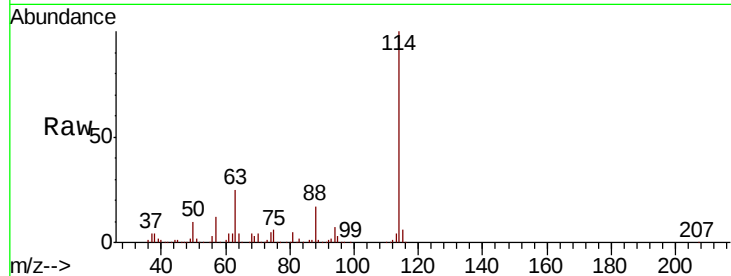




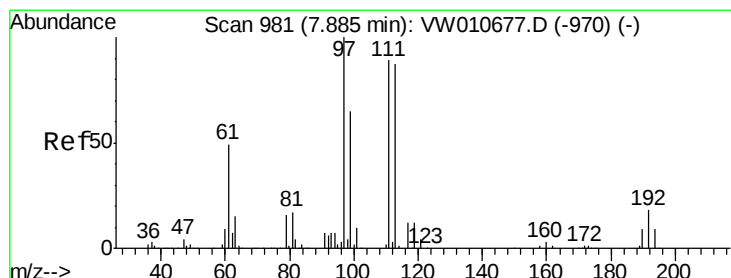
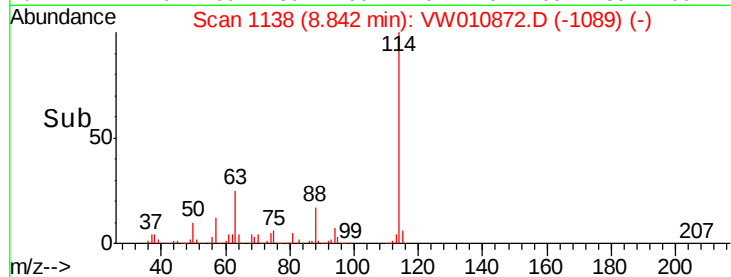
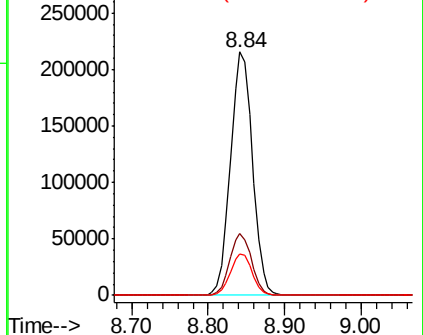
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW010872.D
Acq: 20 Jun 2019 03:34

Instrument :
MSVOA_W
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FK-SF-03-008-B

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	46.4
88	17.0	0.0	32.2

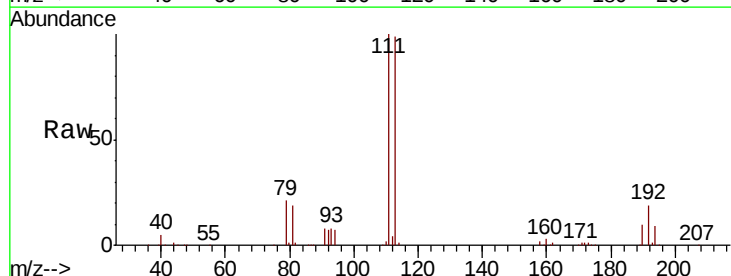


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

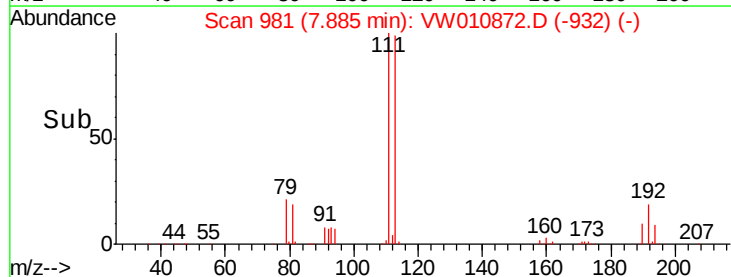
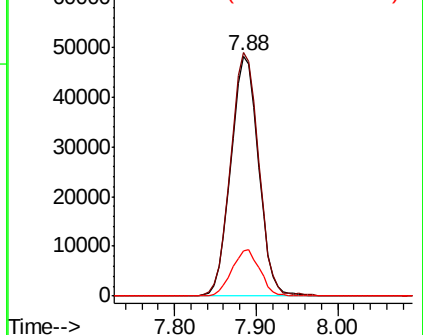


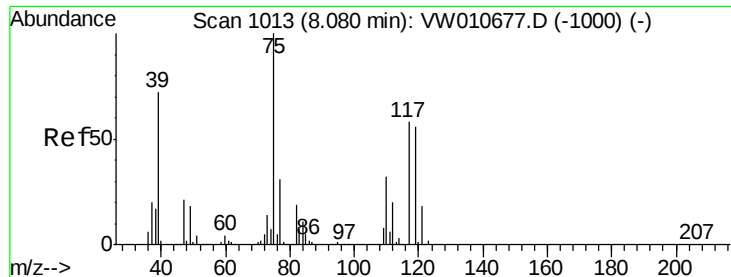
#35
Dibromofluoromethane
Concen: 48.338 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW010872.D
Acq: 20 Jun 2019 03:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	19.4	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

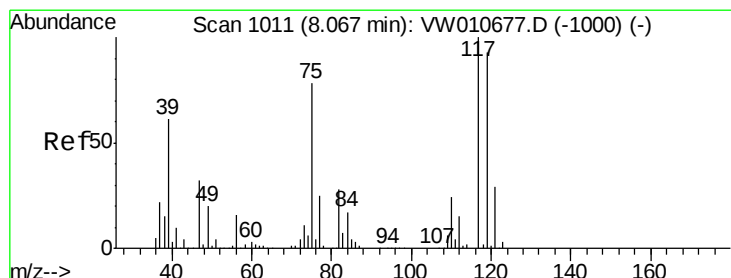
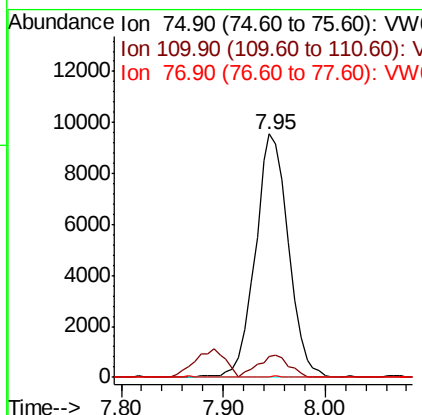
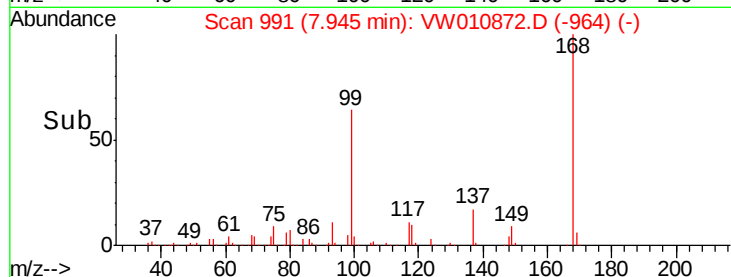
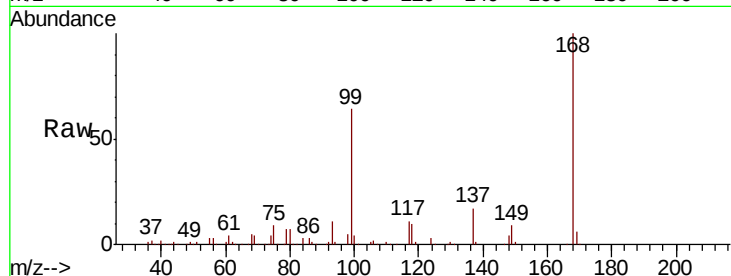




#36
 1,1-Dichloropropene
 Concen: 4.913 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010872.D
 Acq: 20 Jun 2019 03:34

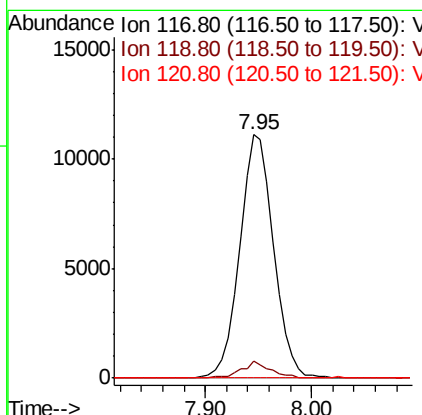
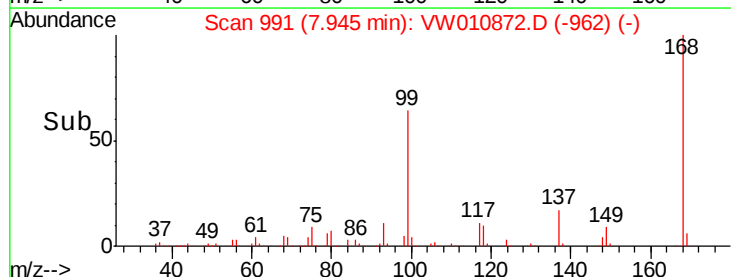
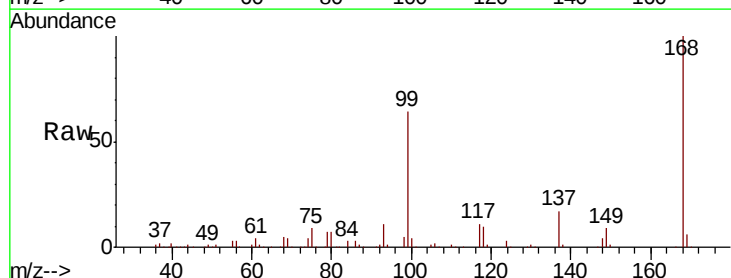
Instrument :
 MSVOA_W
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 FK-SF-03-008-B

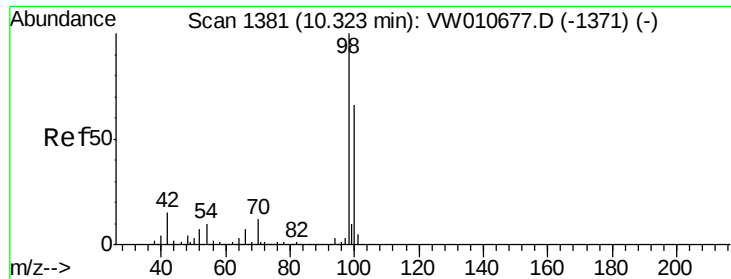
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.8	47.3#
77	0.1	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.495 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010872.D
 Acq: 20 Jun 2019 03:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	74.2	111.4#
121	0.0	22.9	34.3#

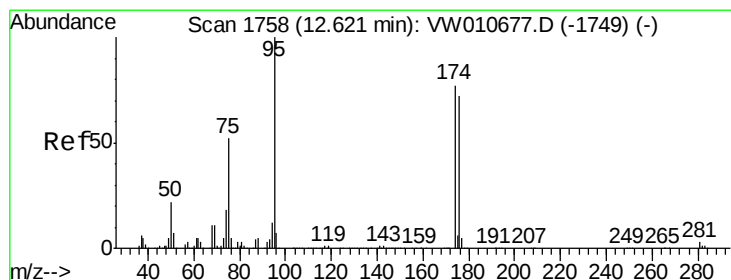
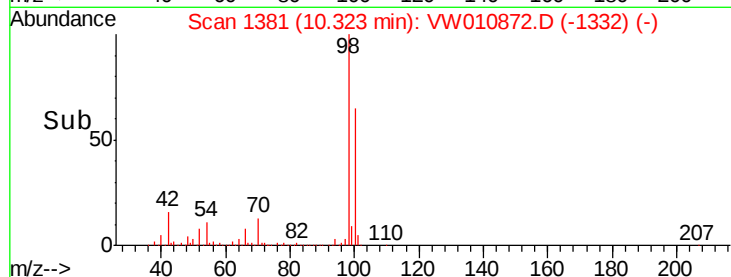
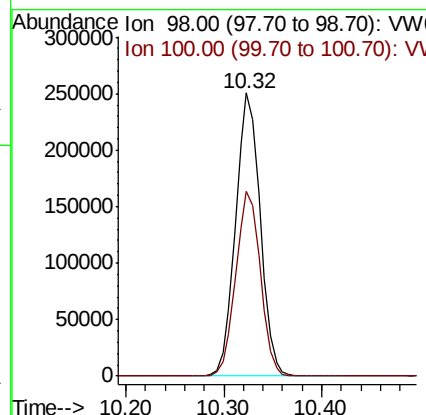
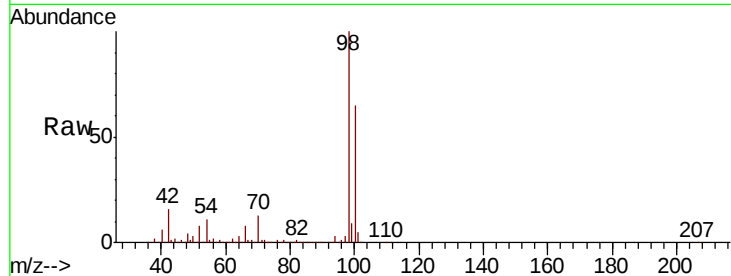




#50
Toluene-d8
Concen: 42.778 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010872.D
Acq: 20 Jun 2019 03:34

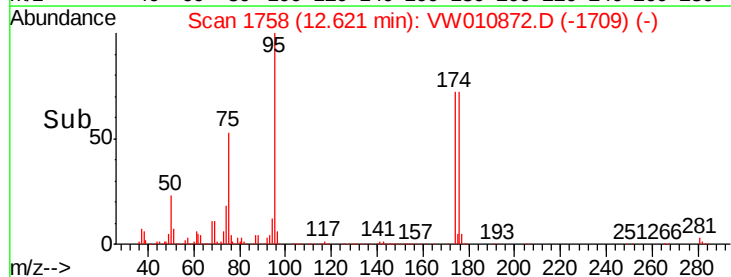
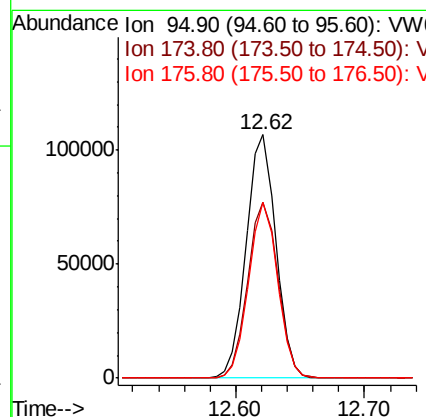
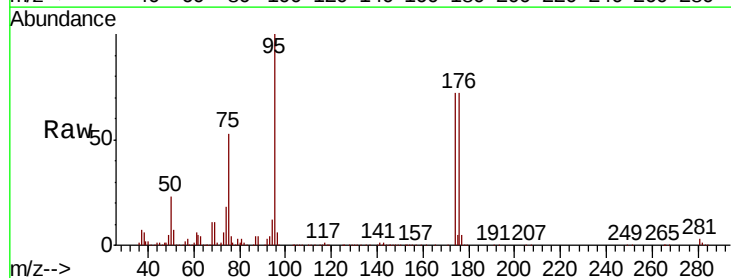
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-008-B

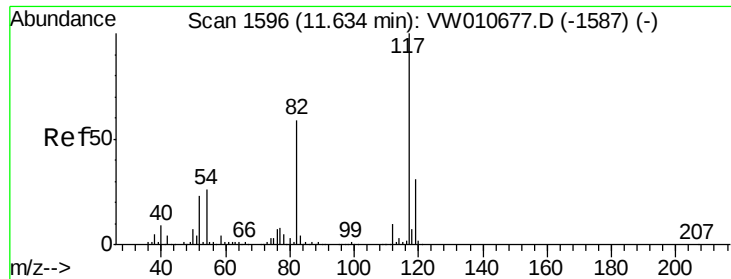
Tot Ion: 98 Resp: 437355
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 45.530 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010872.D
Acq: 20 Jun 2019 03:34

Tgt Ion: 95 Resp: 169389
Ion Ratio Lower Upper
95 100
174 73.8 0.0 150.4
176 70.9 0.0 144.8

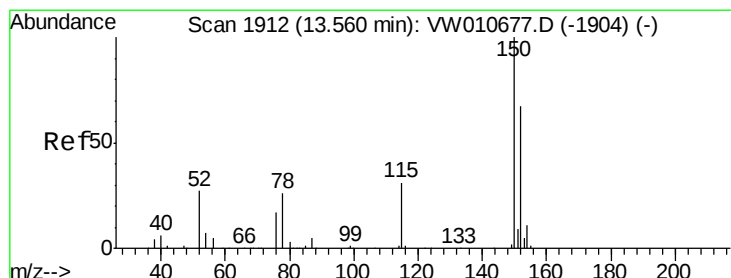
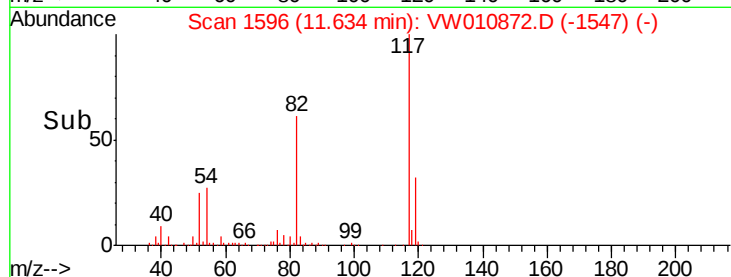
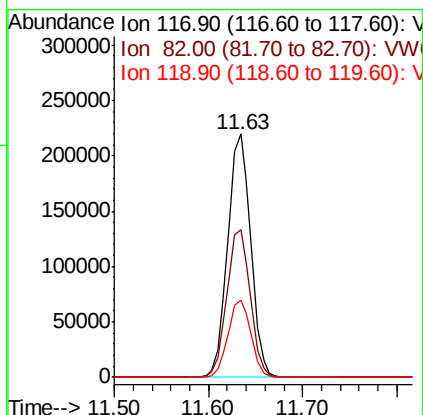
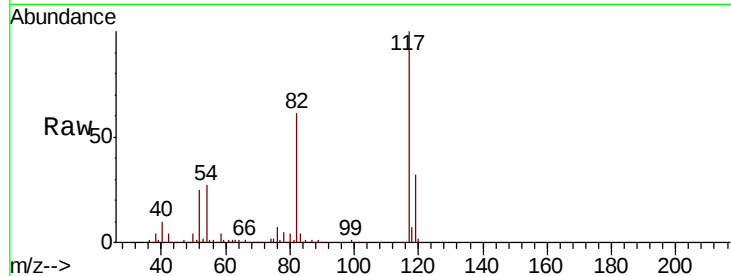




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010872.D
Acq: 20 Jun 2019 03:34

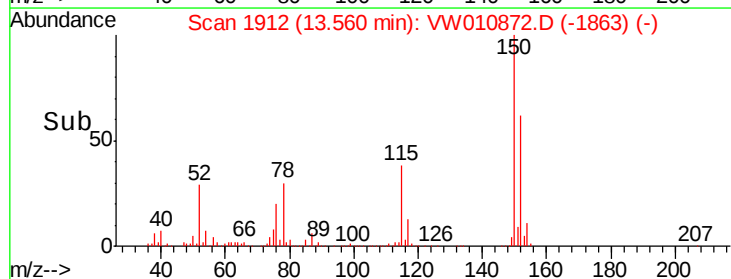
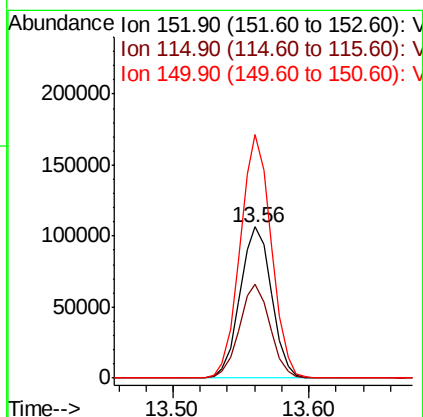
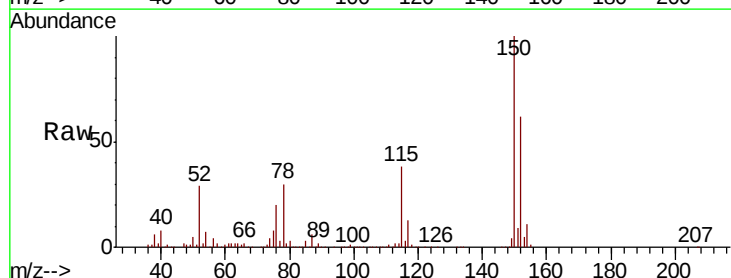
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-03-008-B

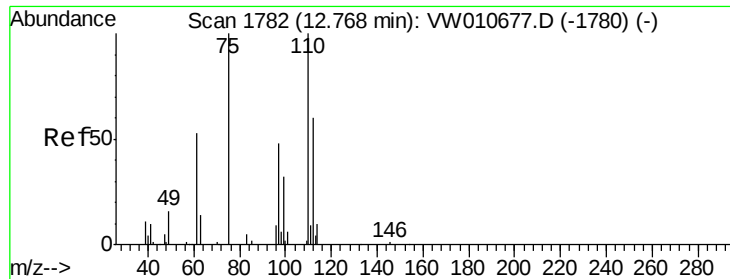
Tot Ion:117 Resp: 372023
Ion Ratio Lower Upper
117 100
82 60.7 47.0 70.4
119 31.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010872.D
Acq: 20 Jun 2019 03:34

Tgt Ion:152 Resp: 172180
Ion Ratio Lower Upper
152 100
115 60.4 29.8 89.3
150 158.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 51.080 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010872.D

Acq: 20 Jun 2019 03:34

Instrument :

MSVOA_W

ClientSampleId :

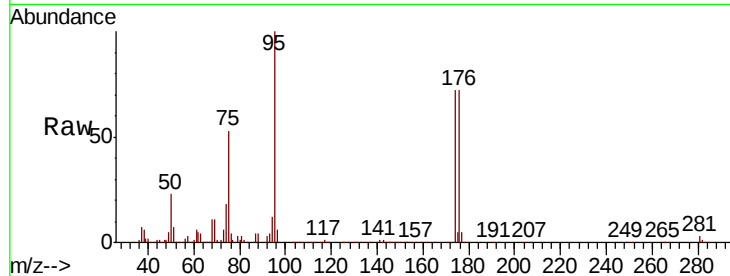
FK-SF-03-008-B

Tot Ion: 75 Resp: 92359

Ion Ratio Lower Upper

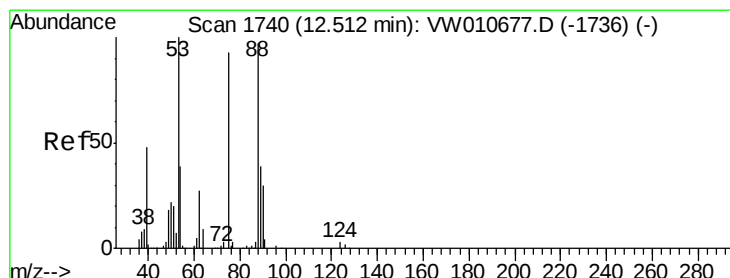
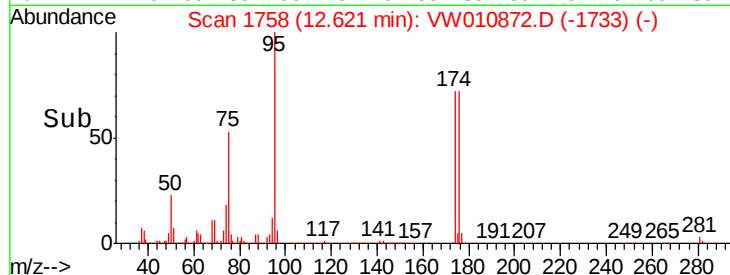
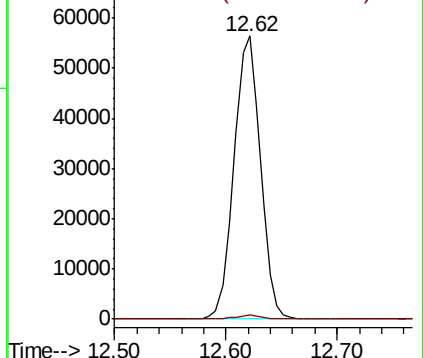
75 100

77 1.3 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: 117.399 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010872.D

Acq: 20 Jun 2019 03:34

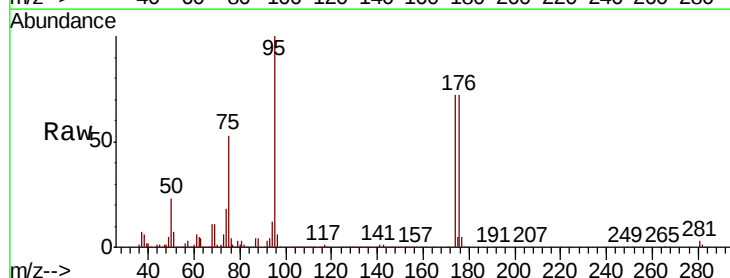
Tgt Ion: 75 Resp: 92359

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.1 34.6 52.0#



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

