

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011519.D
 Acq On : 26 Jul 2019 16:41
 Operator : SY/VA
 Sample : K3626-09
 Misc : 6.99G/5.0ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-01-072519-A

Quant Time: Jul 27 05:31:25 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	207264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	285235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117065	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	141001	59.24	ug/l	0.00
Spiked Amount			Recovery	=	118.48%	
35) Dibromofluoromethane	7.88	113	105171	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	
50) Toluene-d8	10.32	98	413351	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.62	95	135414	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

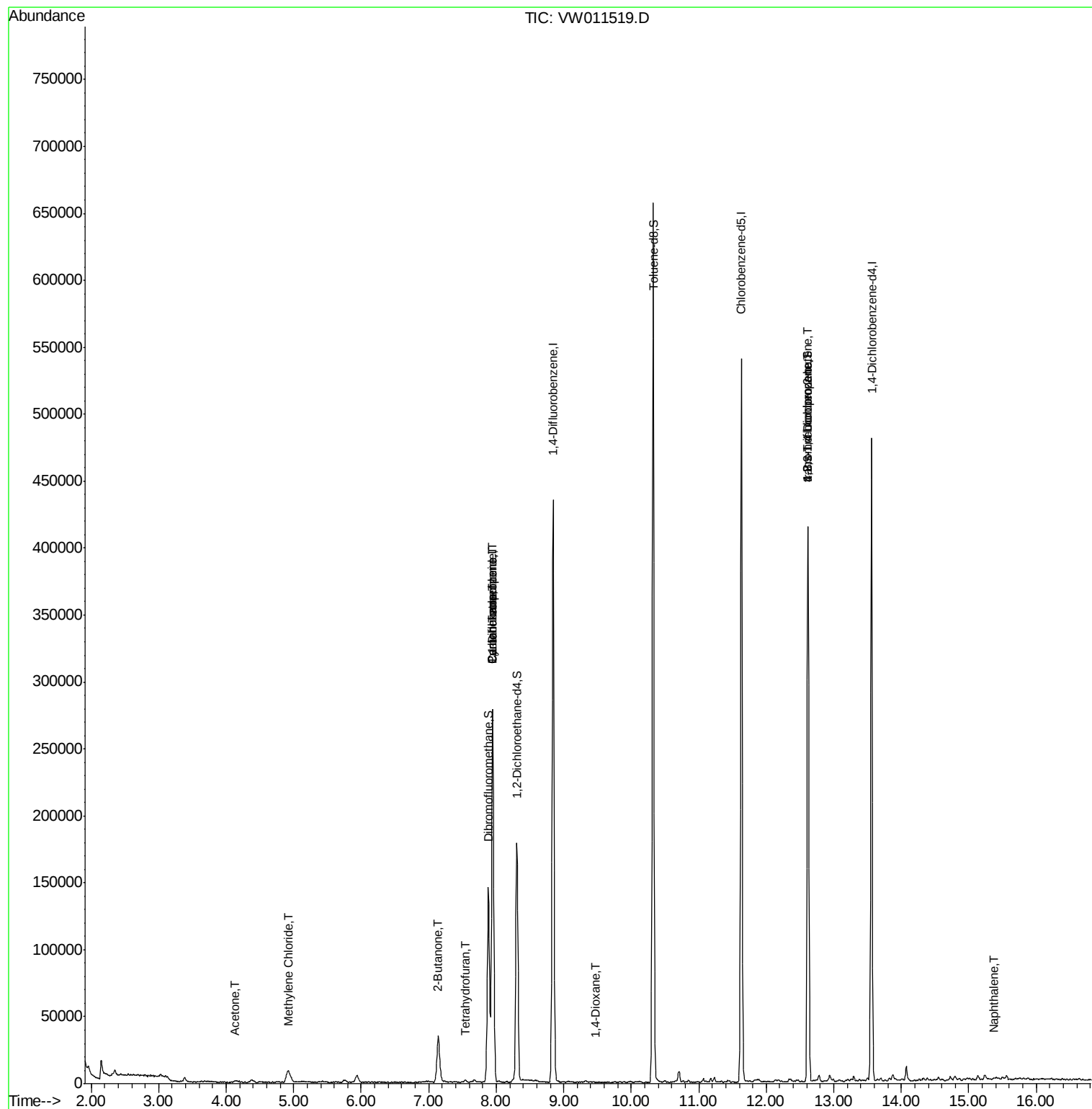
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	218	Below Cal		100
16) Acetone	4.14	43	2989	3.948	ug/l #	88
20) Methylene Chloride	4.92	84	6123	2.345	ug/l	92
25) 2-Butanone	7.15	43	2383	2.406	ug/l #	79
29) Tetrahydrofuran	7.54	42	1271	2.245	ug/l #	93
31) Cyclohexane	7.94	56	5235	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18325	5.198	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20503	6.794	ug/l #	16
49) 1,4-Dioxane	9.48	88	41	2.348	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	72533	58.557	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72533	134.953	ug/l #	6
95) Naphthalene	15.36	128	1613	2.401	ug/l	99

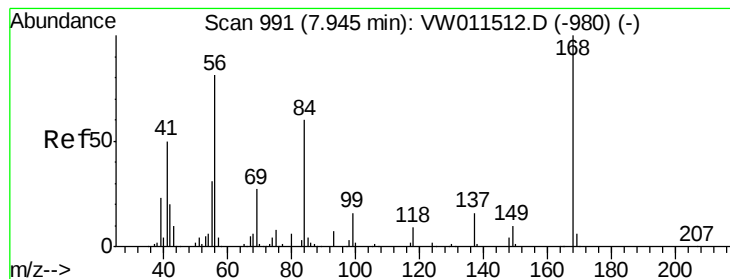
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072719\
Data File : VW011519.D
Acq On : 26 Jul 2019 16:41
Operator : SY/VA
Sample : K3626-09
Misc : 6.99G/5.0ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-01-072519-A

Quant Time: Jul 27 05:31:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
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# 992

Delta R.T. 0.01 min

Lab File: VW011519.D

Acq: 26 Jul 2019 16:41

Instrument :

MSVOA_W

ClientSampleId :

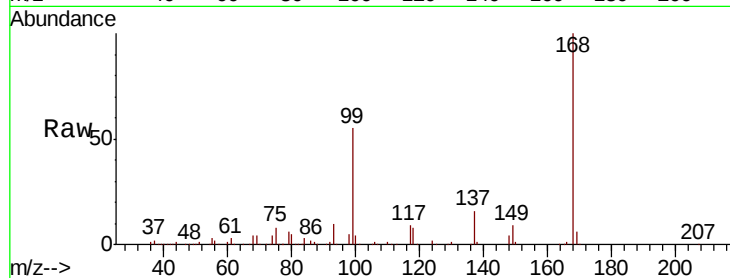
SU-01-072519-A

Tot Ion:168 Resp: 207264

Ion Ratio Lower Upper

168 100

99 55.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

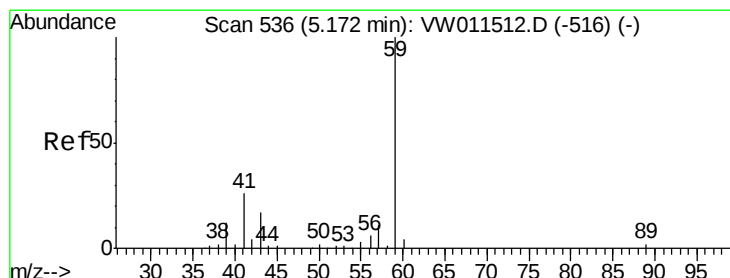
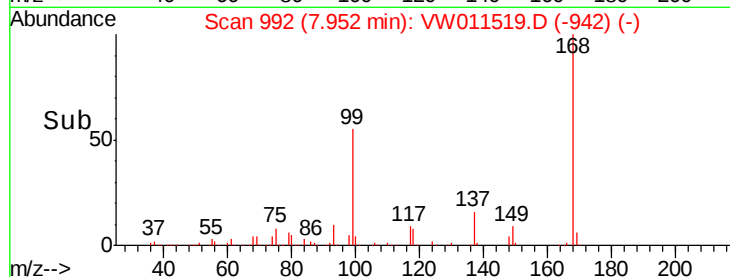
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW011519.D

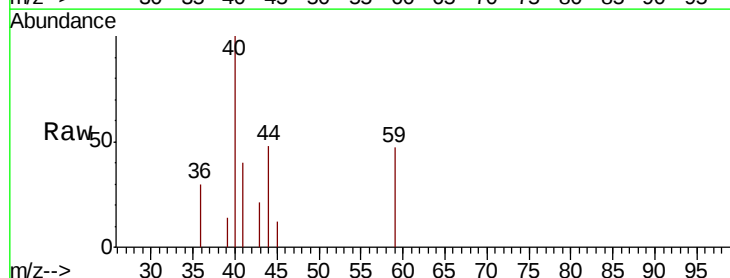
Acq: 26 Jul 2019 16:41

Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

300

250

200

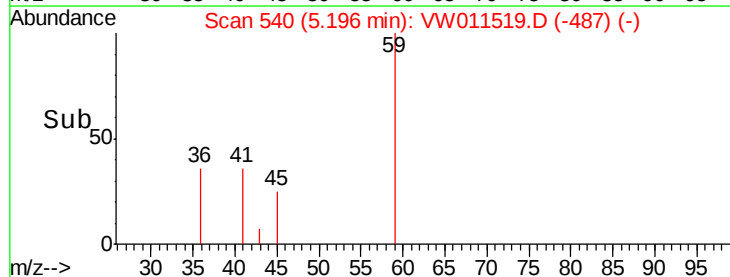
150

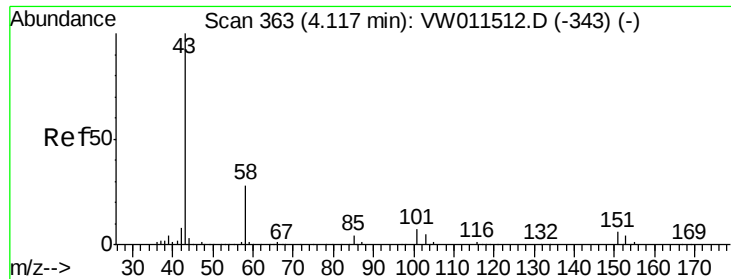
100

50

0

Time--> 5.16 5.18 5.20

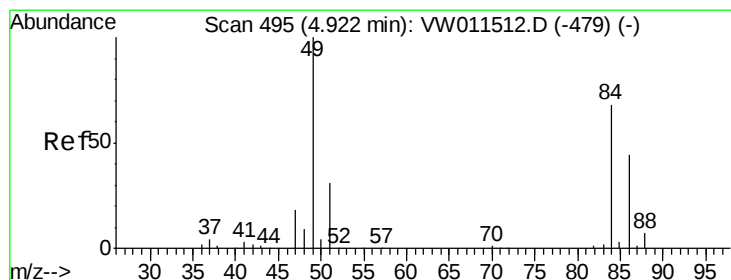
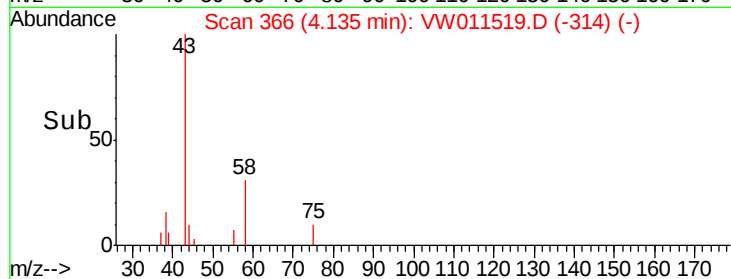
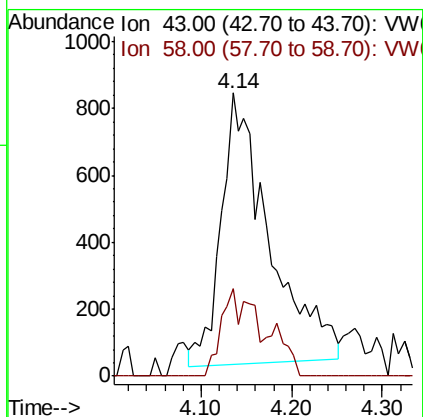
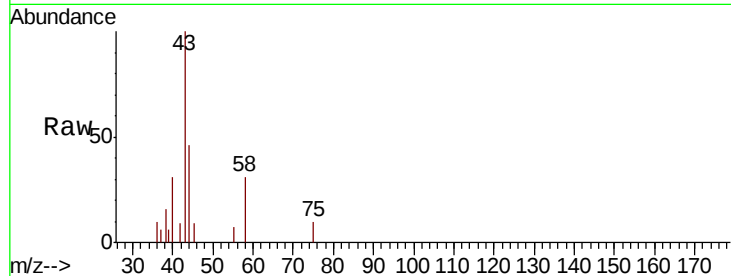




#16
Acetone
Concen: 3.948 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011519.D
Acq: 26 Jul 2019 16:41

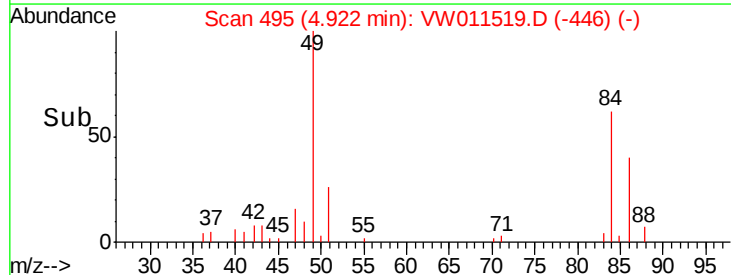
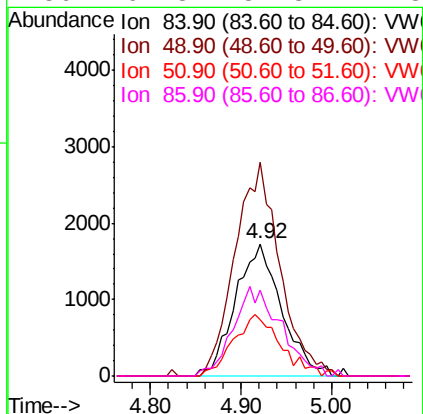
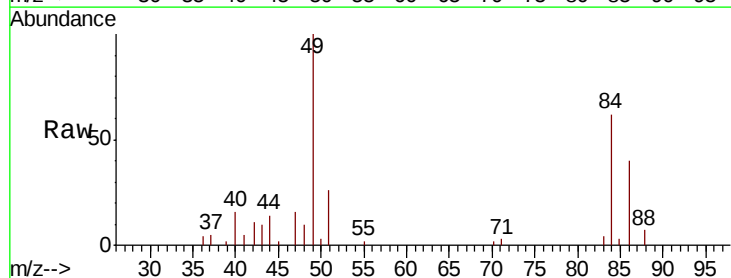
Instrument :
MSVOA_W
ClientSampleId :
SU-01-072519-A

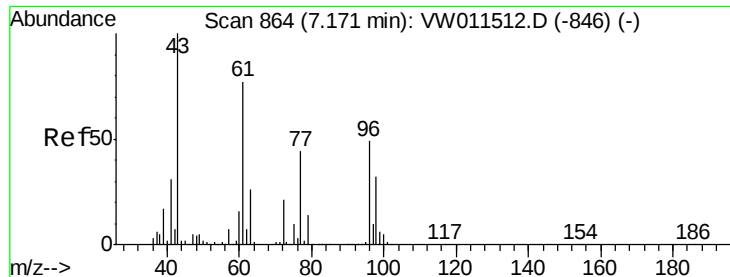
Tot Ion: 43 Resp: 2989
Ion Ratio Lower Upper
43 100
58 34.1 22.3 33.5#



#20
Methylene Chloride
Concen: 2.345 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011519.D
Acq: 26 Jul 2019 16:41

Tgt Ion: 84 Resp: 6123
Ion Ratio Lower Upper
84 100
49 161.5 117.8 176.6
51 42.5 37.0 55.4
86 64.8 51.8 77.8





#25

2-Butanone

Concen: 2.406 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011519.D

Acq: 26 Jul 2019 16:41

Instrument :

MSVOA_W

ClientSampleId :

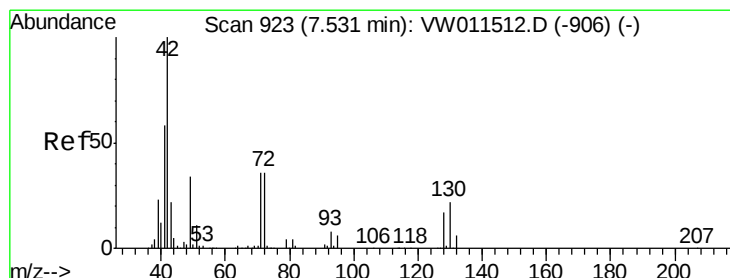
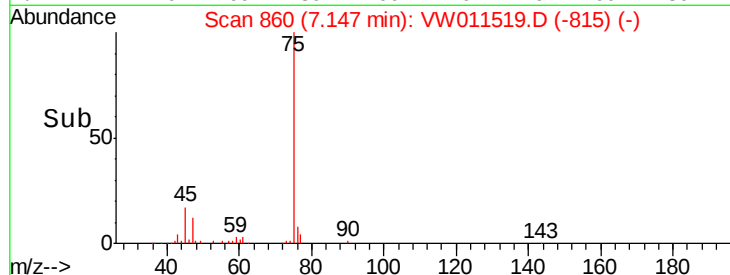
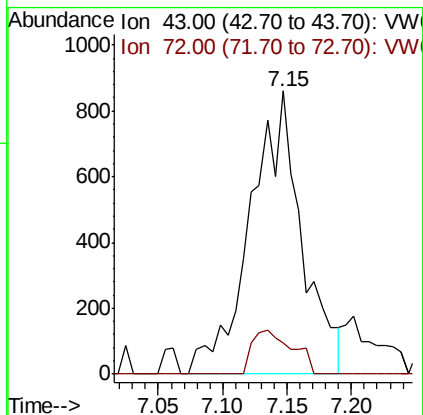
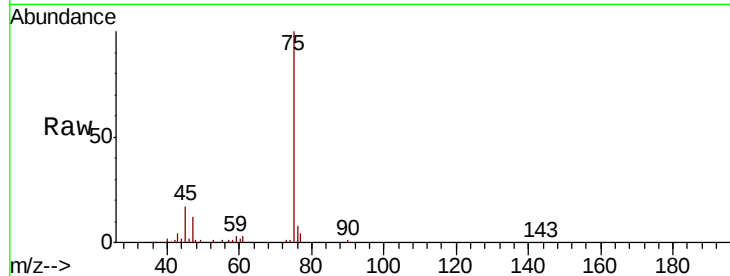
SU-01-072519-A

Tot Ion: 43 Resp: 2383

Ion Ratio Lower Upper

43 100

72 10.9 16.6 24.8#



#29

Tetrahydrofuran

Concen: 2.245 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011519.D

Acq: 26 Jul 2019 16:41

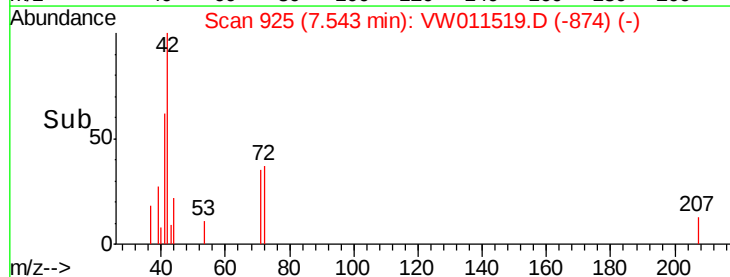
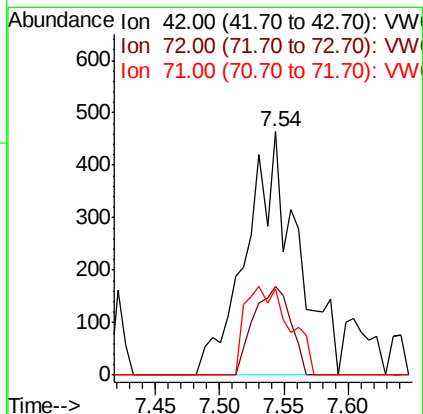
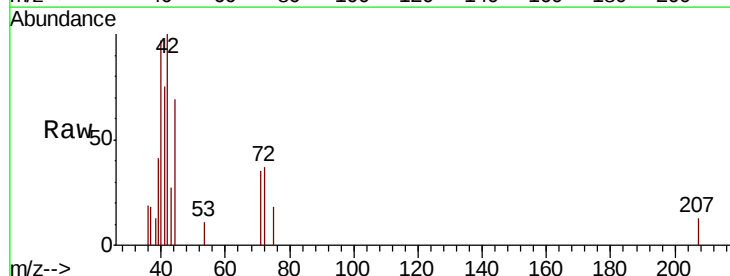
Tgt Ion: 42 Resp: 1271

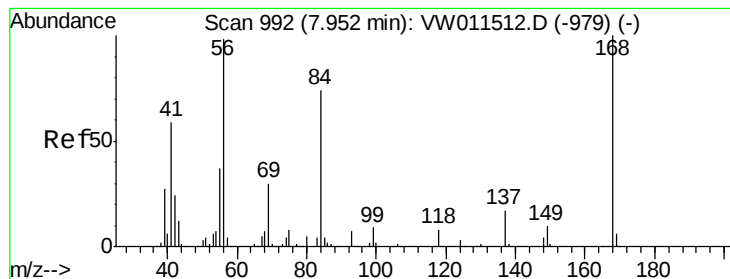
Ion Ratio Lower Upper

42 100

72 26.4 27.1 40.7#

71 31.9 26.2 39.4





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011519.D

Acq: 26 Jul 2019 16:41

Instrument :

MSVOA_W

ClientSampleId :

SU-01-072519-A

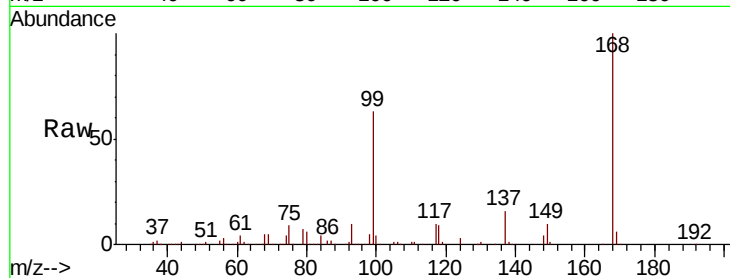
Tot Ion: 56 Resp: 5235

Ion Ratio Lower Upper

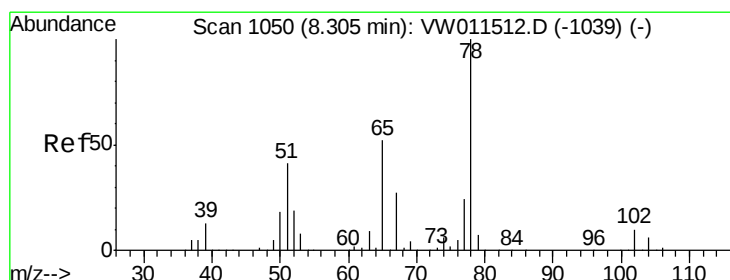
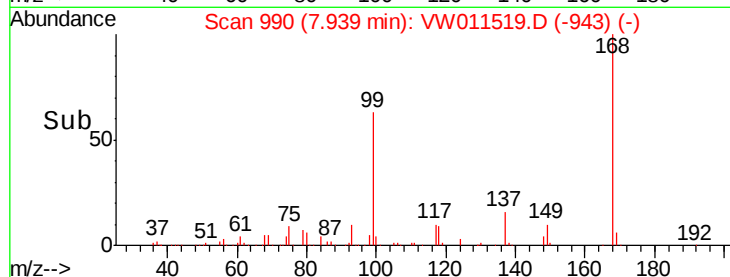
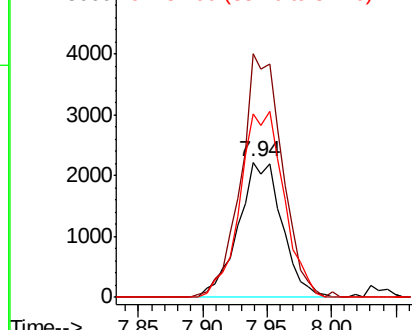
56 100

69 180.5 24.3 36.5#

84 135.6 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: 59.245 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011519.D

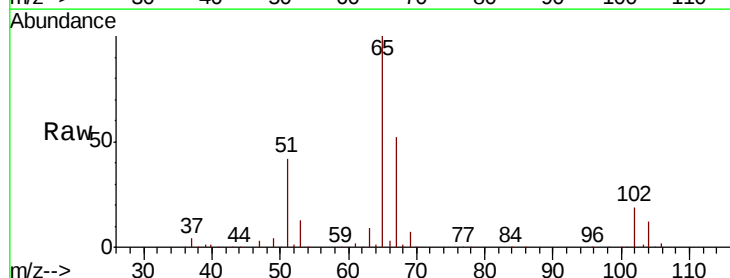
Acq: 26 Jul 2019 16:41

Tgt Ion: 65 Resp: 141001

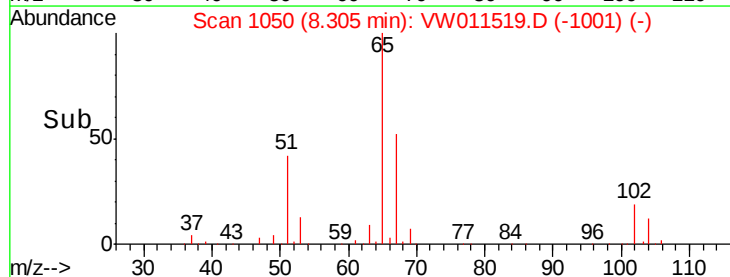
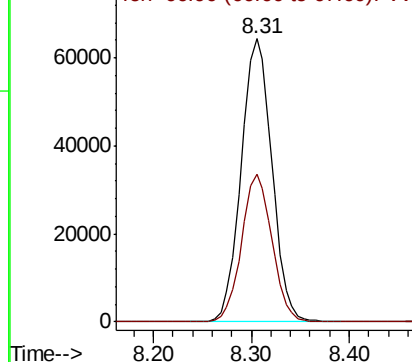
Ion Ratio Lower Upper

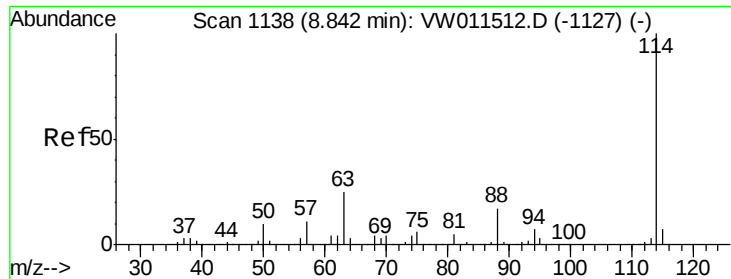
65 100

67 51.5 0.0 105.2



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

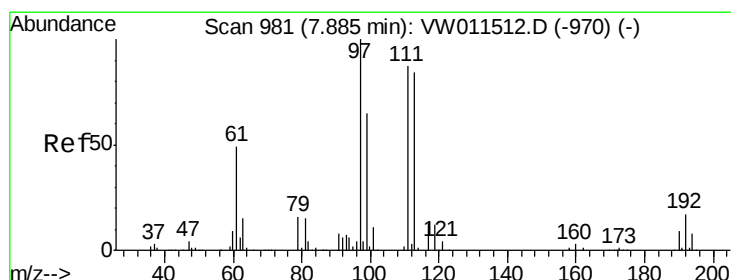
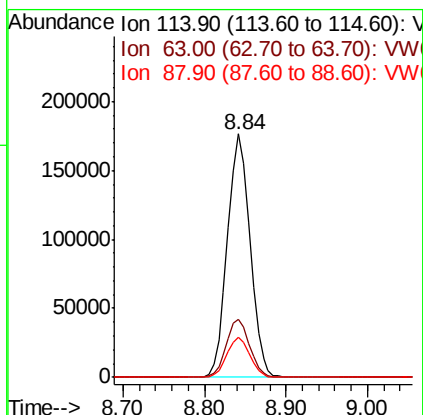
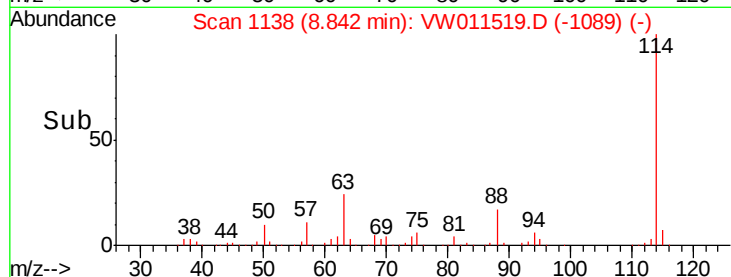
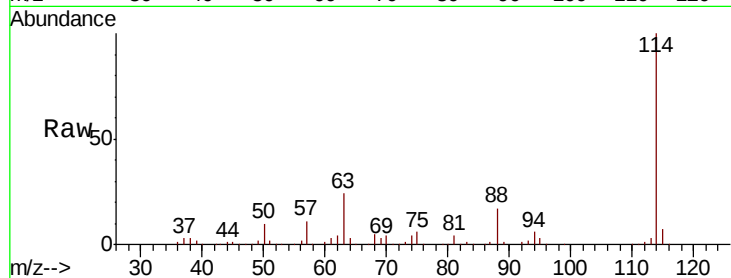




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW011519.D
Acq: 26 Jul 2019 16:41

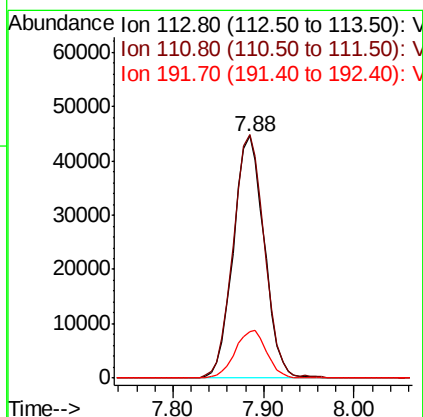
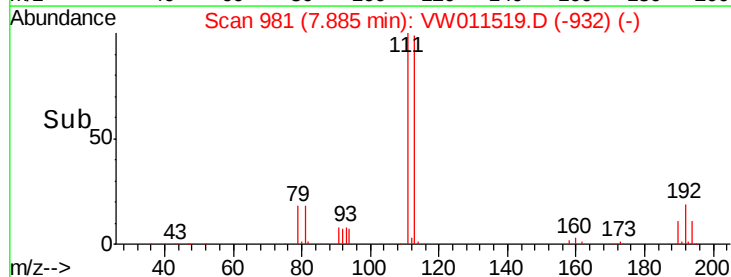
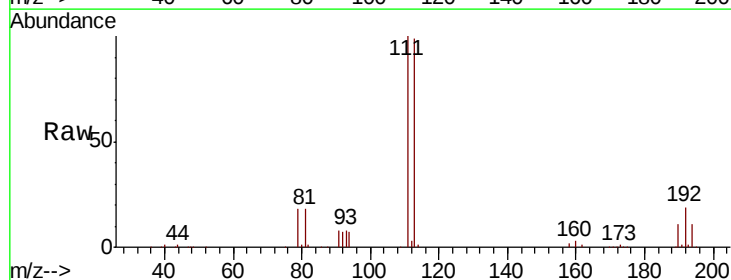
Instrument :
MSVOA_W
ClientSampleId :
SU-01-072519-A

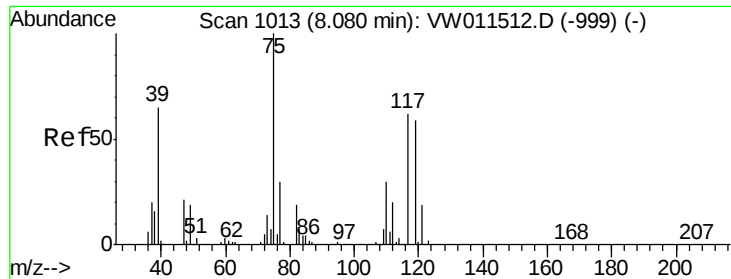
Tot Ion:114 Resp: 339023
Ion Ratio Lower Upper
114 100
63 23.8 0.0 49.2
88 16.7 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.296 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW011519.D
Acq: 26 Jul 2019 16:41

Tgt Ion:113 Resp: 105171
Ion Ratio Lower Upper
113 100
111 101.7 82.7 124.1
192 20.0 16.1 24.1

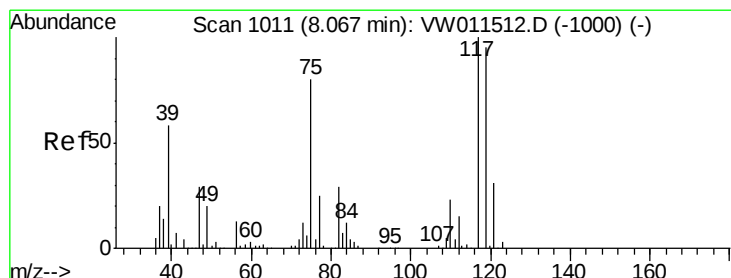
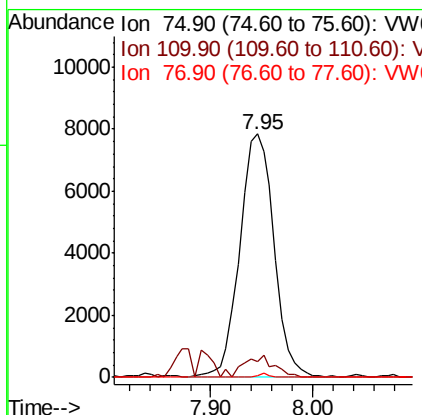
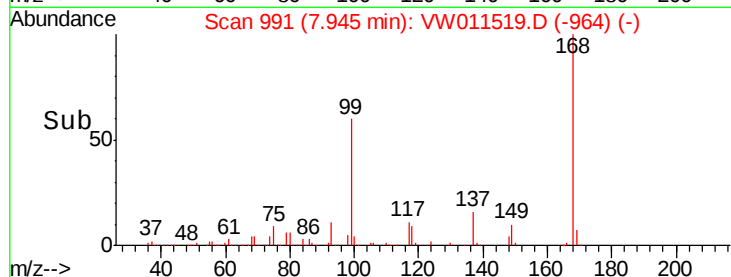
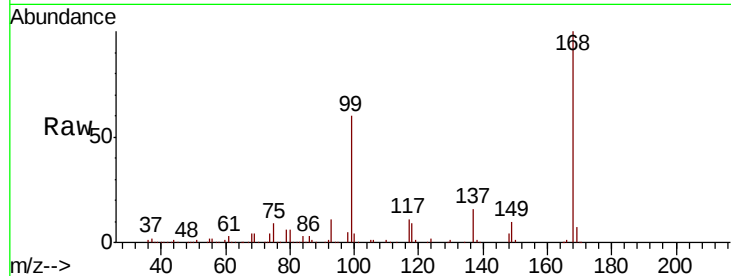




#36
 1,1-Dichloropropene
 Concen: 5.198 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011519.D
 Acq: 26 Jul 2019 16:41

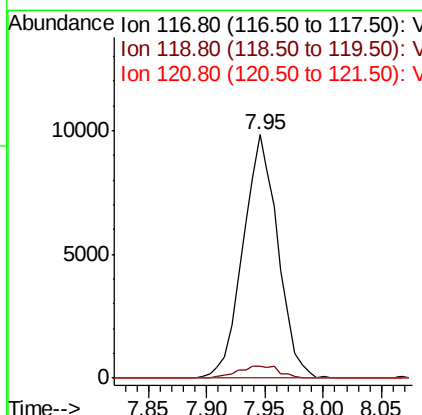
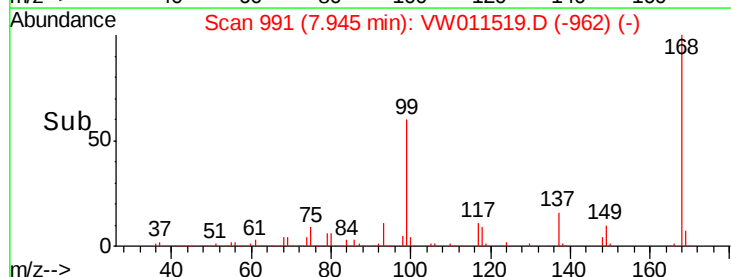
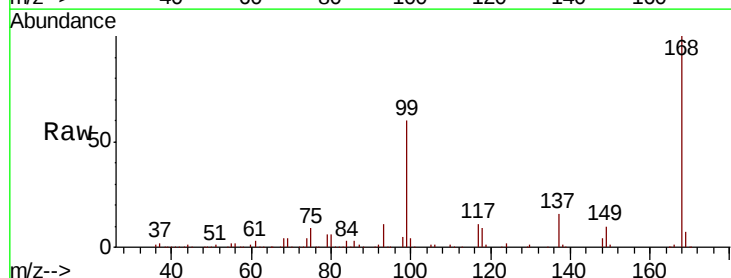
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-01-072519-A

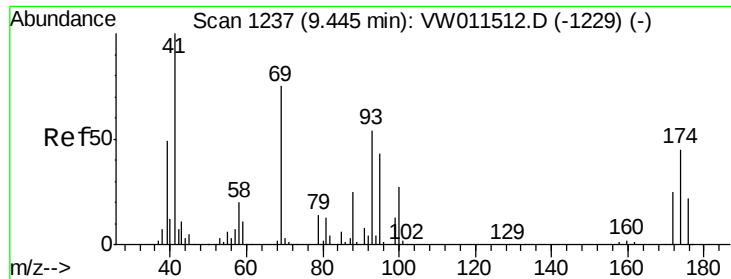
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.6	46.8#
77	0.5	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.794 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011519.D
 Acq: 26 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.8	113.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 2.348 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.03 min

Lab File: VW011519.D

Acq: 26 Jul 2019 16:41

Instrument :

MSVOA_W

ClientSampleId :

SU-01-072519-A

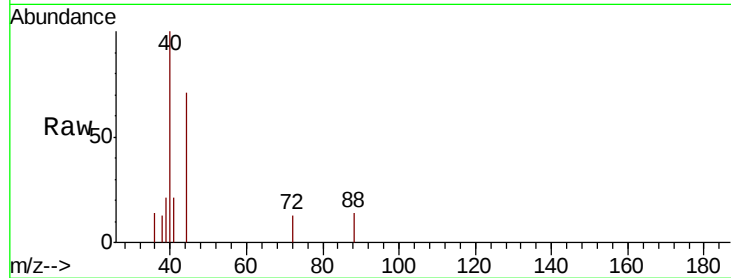
Tot Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 165.9 34.0 51.0#

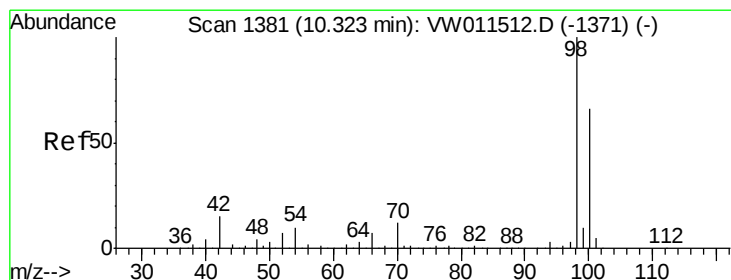
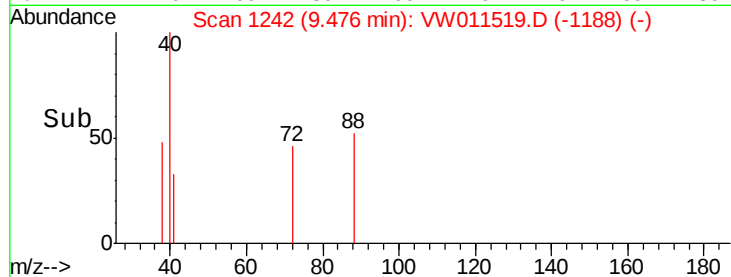
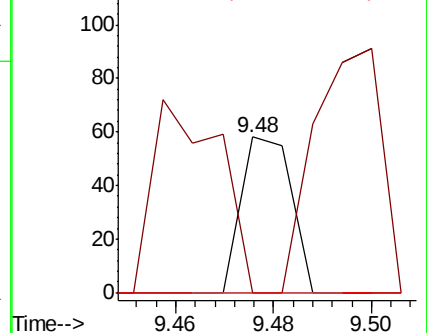
58 0.0 69.7 104.5#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.080 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011519.D

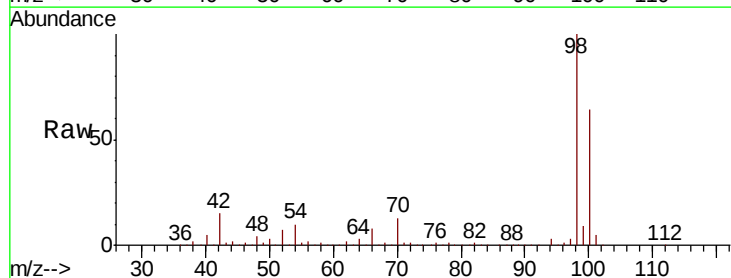
Acq: 26 Jul 2019 16:41

Tgt Ion: 98 Resp: 413351

Ion Ratio Lower Upper

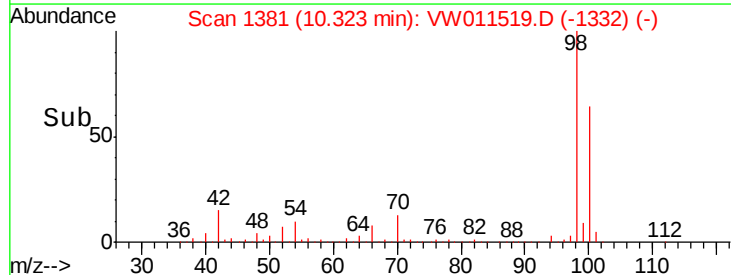
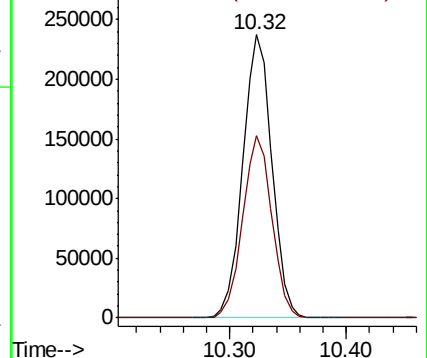
98 100

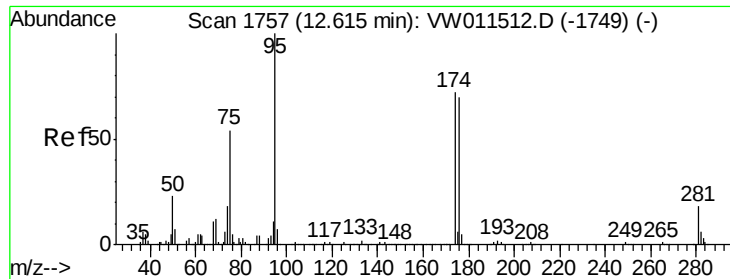
100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

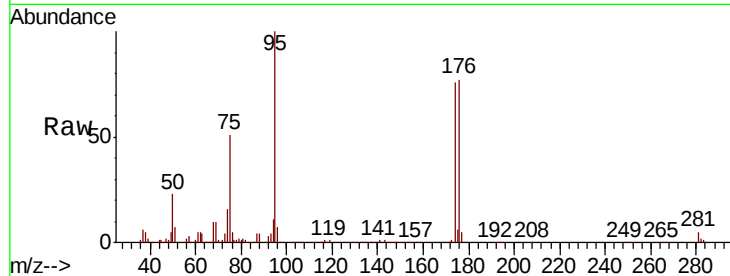




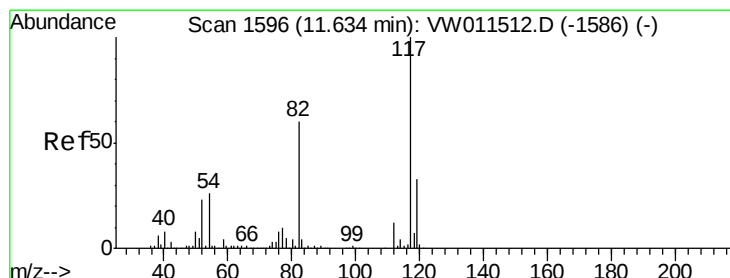
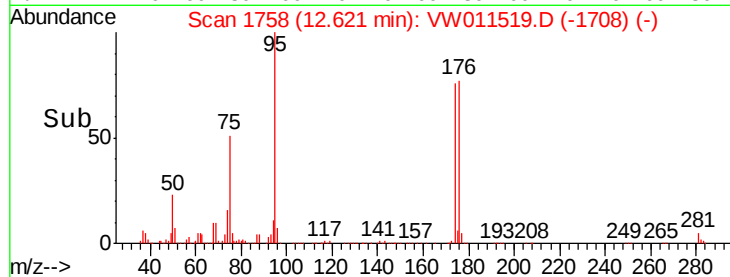
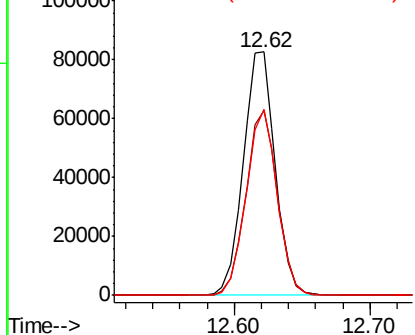
#62
4-Bromofluorobenzene
Concen: 48.775 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011519.D
Acq: 26 Jul 2019 16:41

Instrument :
MSVOA_W
ClientSampleId :
SU-01-072519-A

Tot Ion: 95 Resp: 135414
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.2
176 74.7 0.0 144.4

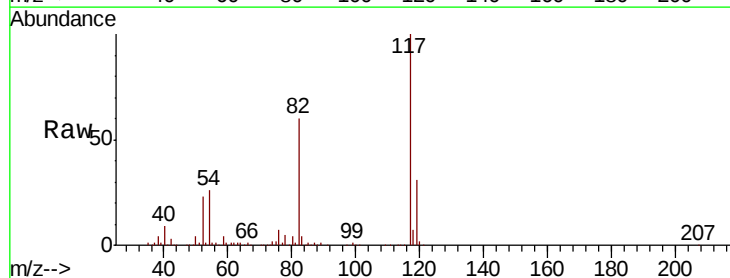


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

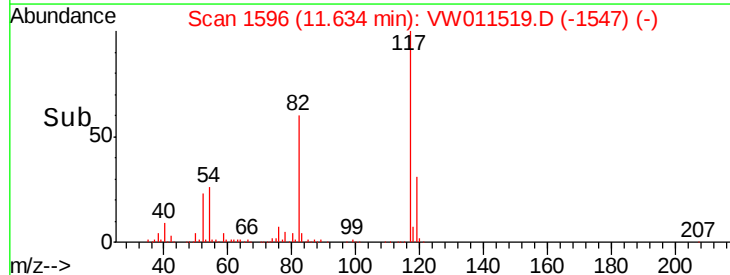
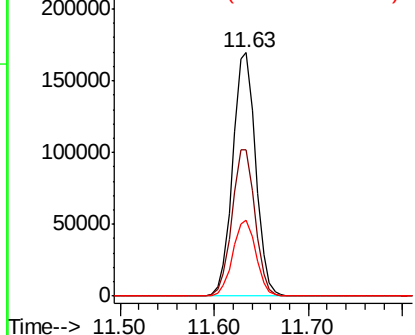


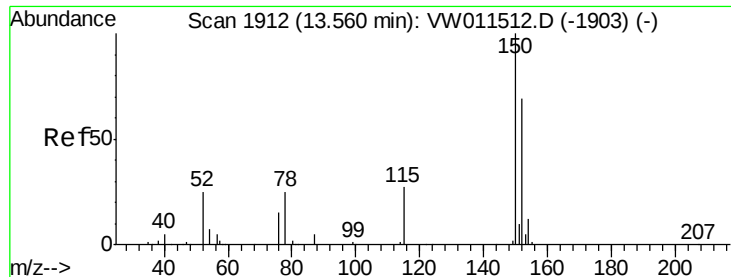
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011519.D
Acq: 26 Jul 2019 16:41

Tgt Ion: 117 Resp: 285235
Ion Ratio Lower Upper
117 100
82 60.0 47.9 71.9
119 31.4 26.2 39.2



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: VW011519.D

Acq: 26 Jul 2019 16:41

Instrument :

MSVOA_W

ClientSampleId :

SU-01-072519-A

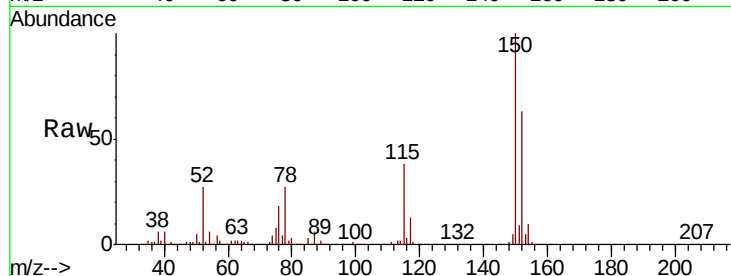
Tot Ion:152 Resp: 117065

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

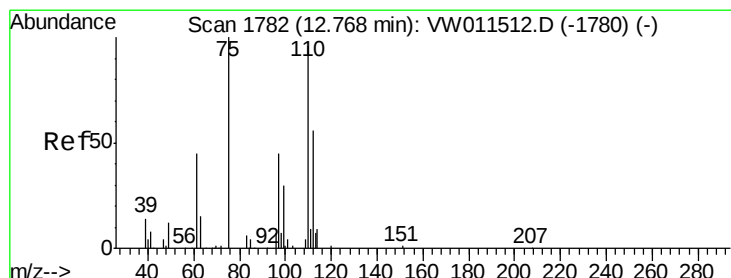
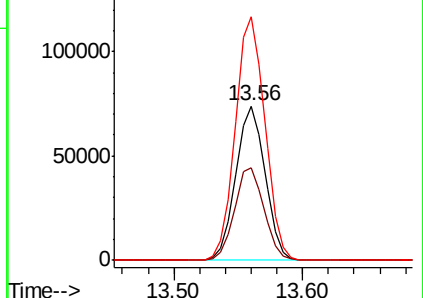
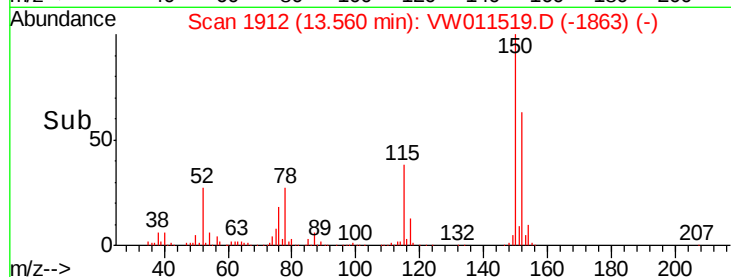
150 158.7 0.0 352.6



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: 58.557 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011519.D

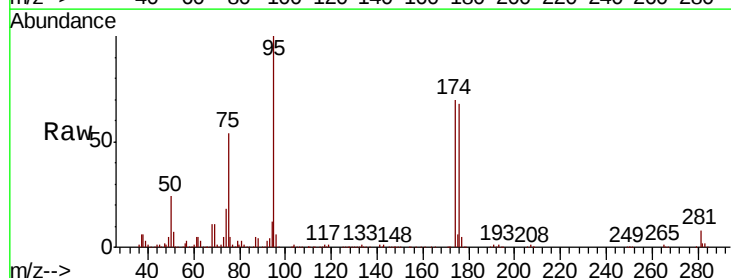
Acq: 26 Jul 2019 16:41

Tgt Ion: 75 Resp: 72533

Ion Ratio Lower Upper

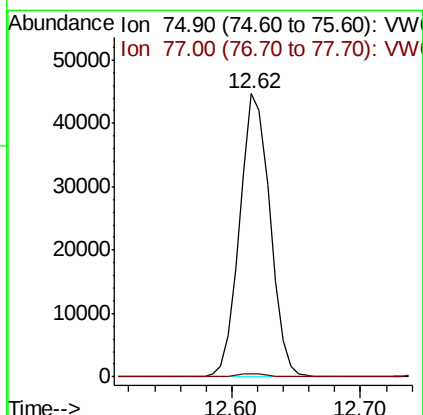
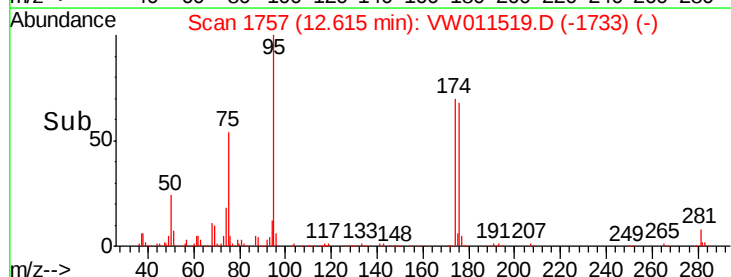
75 100

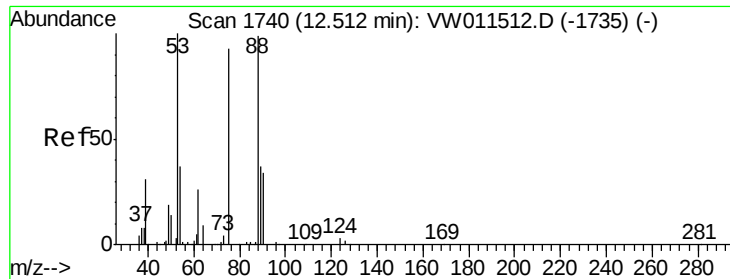
77 1.3 0.0 0.0#



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: 134.953 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011519.D

Acq: 26 Jul 2019 16:41

Instrument :

MSVOA_W

ClientSampleId :

SU-01-072519-A

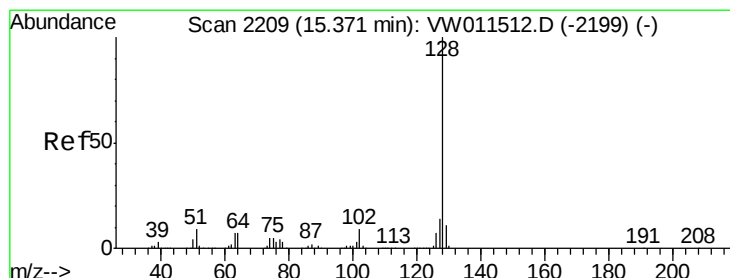
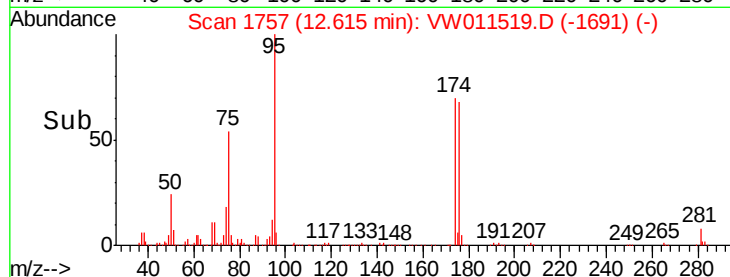
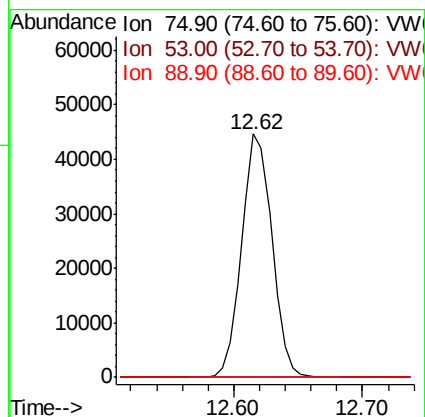
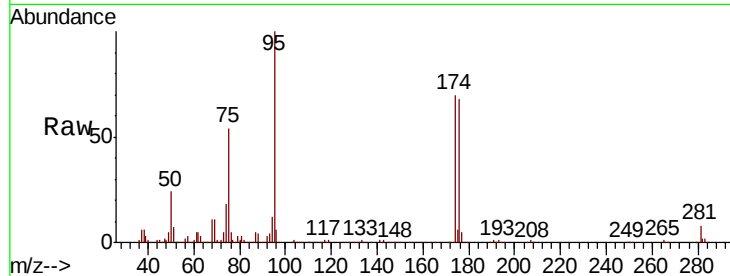
Tot Ion: 75 Resp: 72533

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.401 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011519.D

Acq: 26 Jul 2019 16:41

Tgt Ion: 128 Resp: 1613

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 11.3 8.6 13.0

