

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011676.D
 Acq On : 03 Aug 2019 19:39
 Operator : SY/VA
 Sample : K4152-18
 Misc : 6.34G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E2-(30)

Quant Time: Aug 04 01:46:35 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	215921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113864	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	144211	58.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.32%	
35) Dibromofluoromethane	7.88	113	113866	55.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.02%	
50) Toluene-d8	10.32	98	449712	53.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.62	95	135905	45.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.76%	

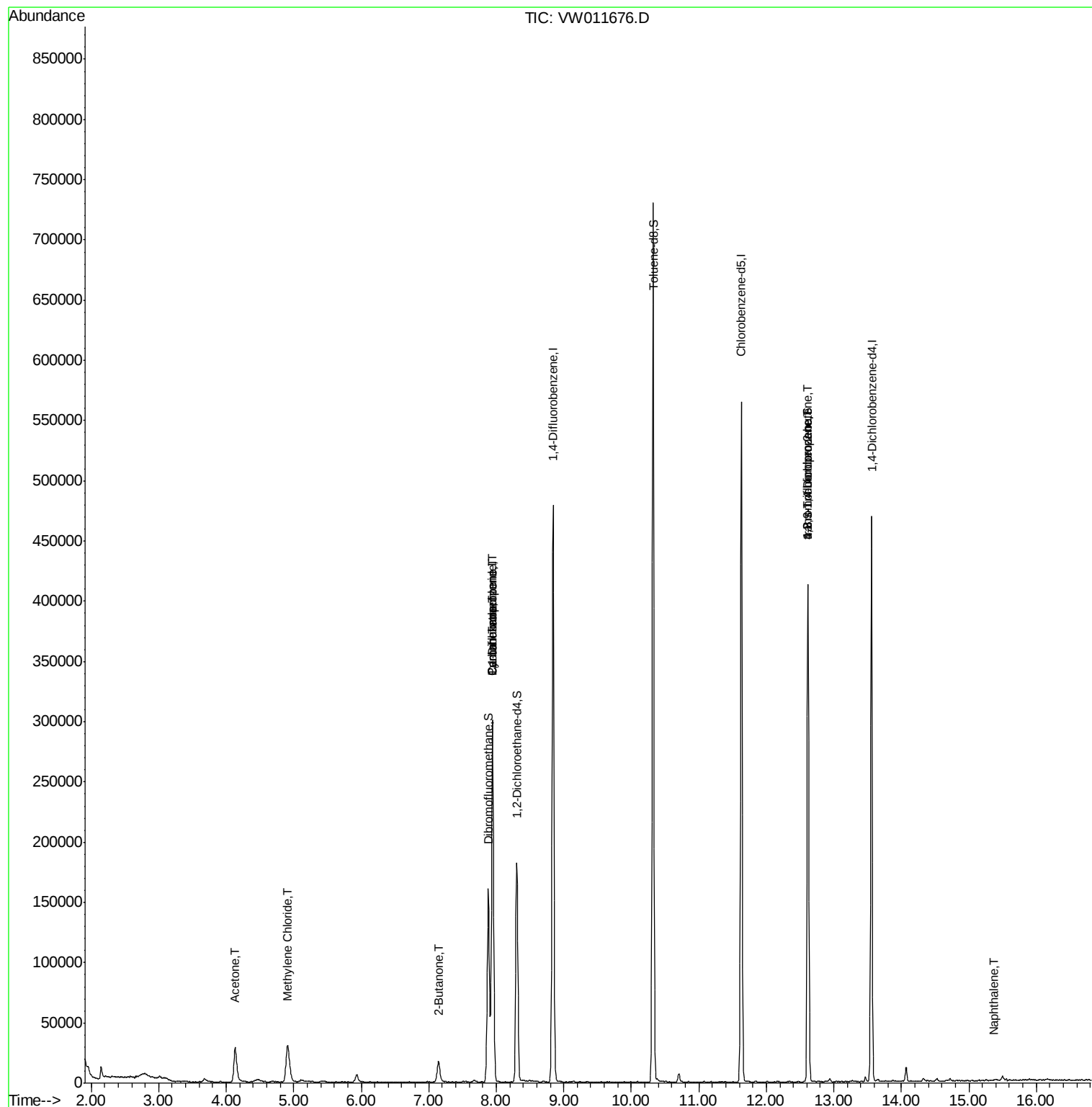
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	1879	Below Cal	#	83
16) Acetone	4.14	43	57642	73.086	ug/l	96
20) Methylene Chloride	4.91	84	24143	8.876	ug/l	95
25) 2-Butanone	7.15	43	1341	1.299	ug/l #	56
31) Cyclohexane	7.94	56	5264	1.136	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18850	4.958	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21599	6.636	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	72855	60.470	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72855	139.362	ug/l #	6
95) Naphthalene	15.37	128	265	2.122	ug/l #	69

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

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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# 991

Delta R.T. -0.00 min

Lab File: VW011676.D

Acq: 03 Aug 2019 19:39

Instrument :

MSVOA_W

ClientSampleId :

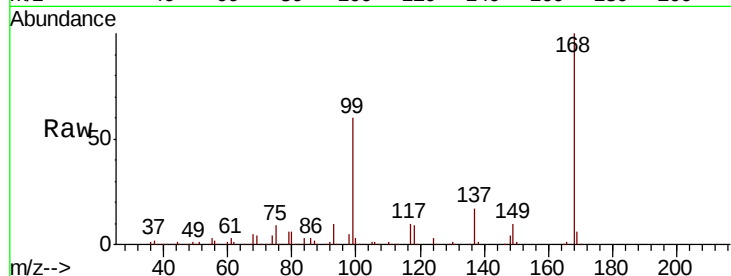
2S-E2-(30)

Tgt Ion:168 Resp: 215921

Ion Ratio Lower Upper

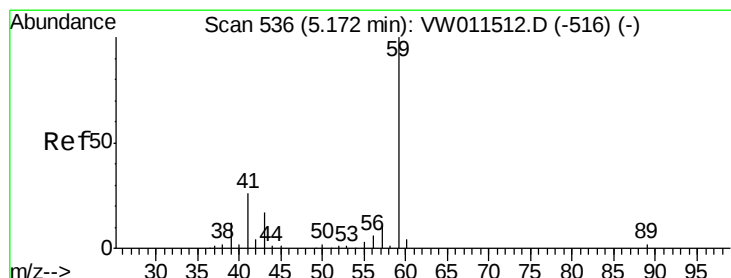
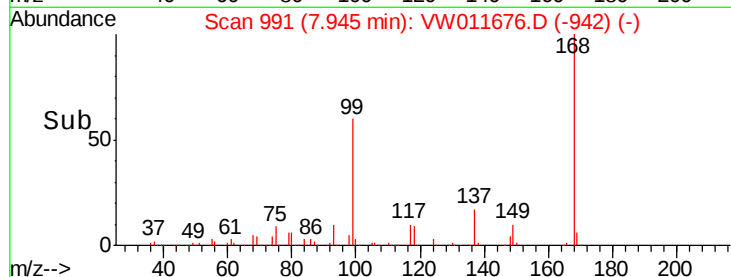
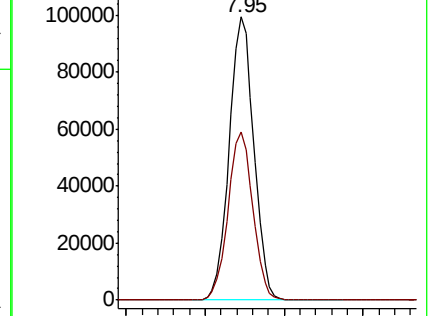
168 100

99 59.5 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: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011676.D

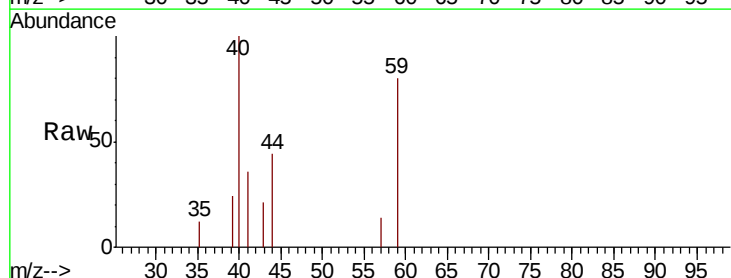
Acq: 03 Aug 2019 19:39

Tgt Ion: 59 Resp: 1879

Ion Ratio Lower Upper

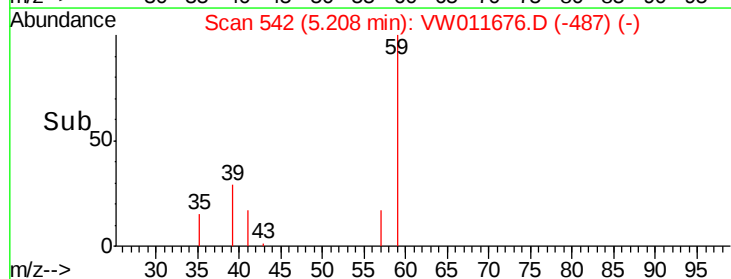
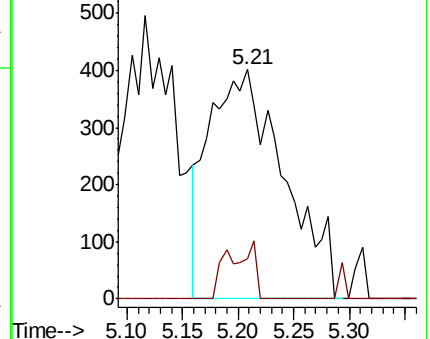
59 100

57 4.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

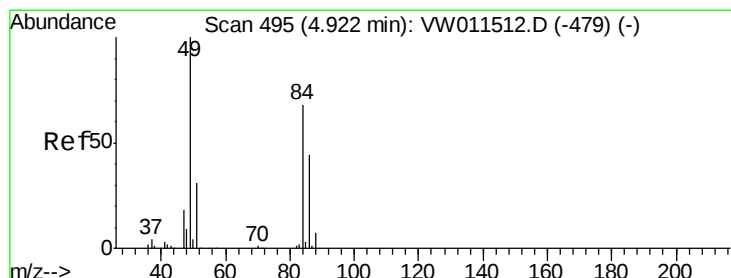
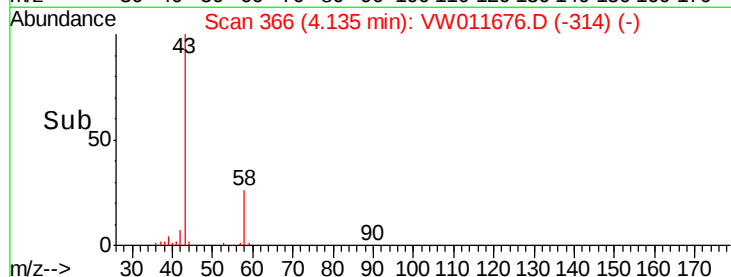
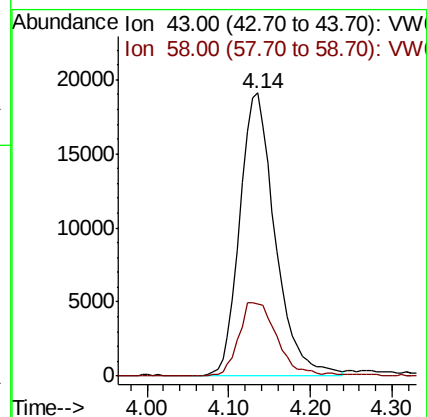
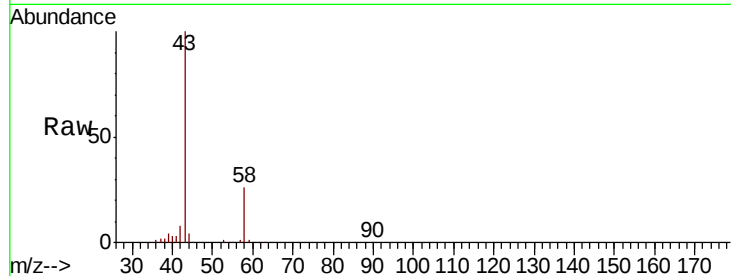




#16
Acetone
Concen: 73.086 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011676.D
Acq: 03 Aug 2019 19:39

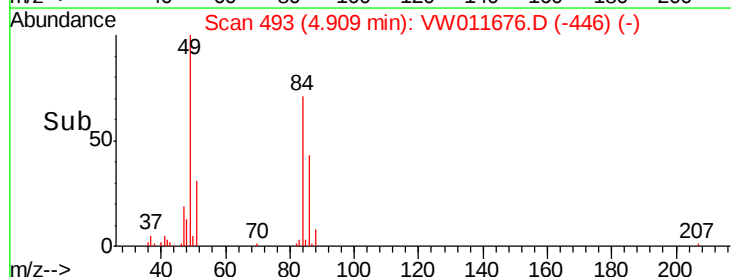
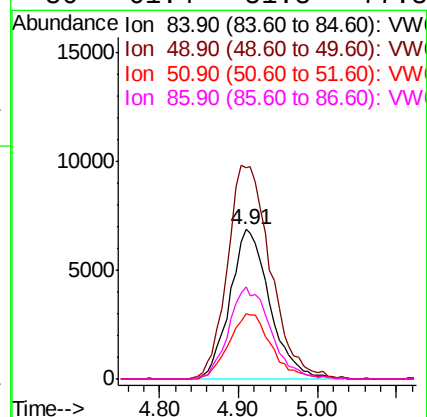
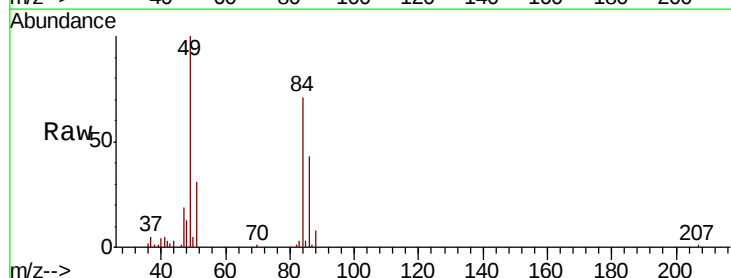
Instrument :
MSVOA_W
ClientSampleId :
2S-E2-(30)

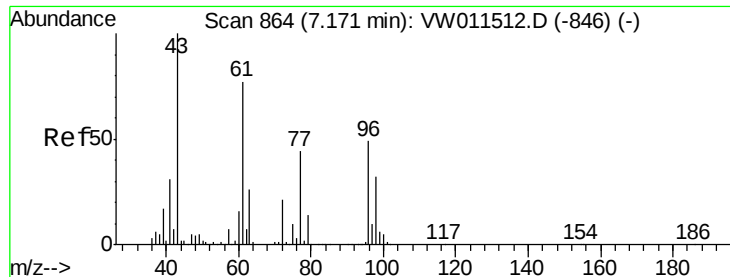
Tgt Ion: 43 Resp: 57642
Ion Ratio Lower Upper
43 100
58 25.5 22.3 33.5



#20
Methylene Chloride
Concen: 8.876 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011676.D
Acq: 03 Aug 2019 19:39

Tgt Ion: 84 Resp: 24143
Ion Ratio Lower Upper
84 100
49 140.1 117.8 176.6
51 43.0 37.0 55.4
86 61.4 51.8 77.8





#25

2-Butanone

Concen: 1.299 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011676.D

Acq: 03 Aug 2019 19:39

Instrument :

MSVOA_W

ClientSampleId :

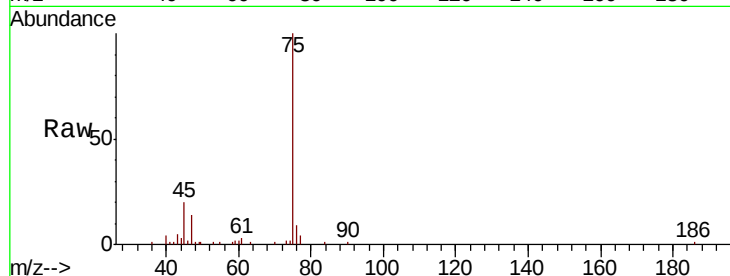
2S-E2-(30)

Tgt Ion: 43 Resp: 1341

Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

500

400

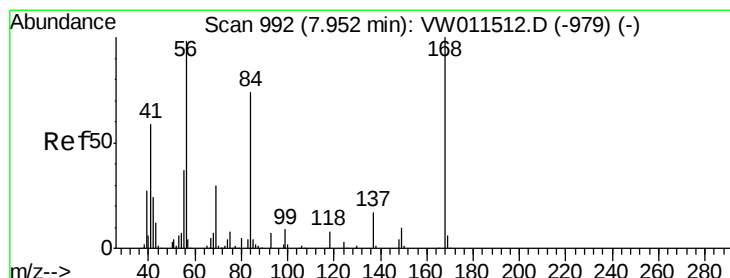
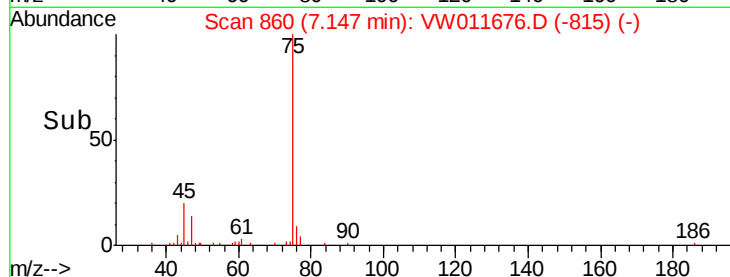
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.136 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011676.D

Acq: 03 Aug 2019 19:39

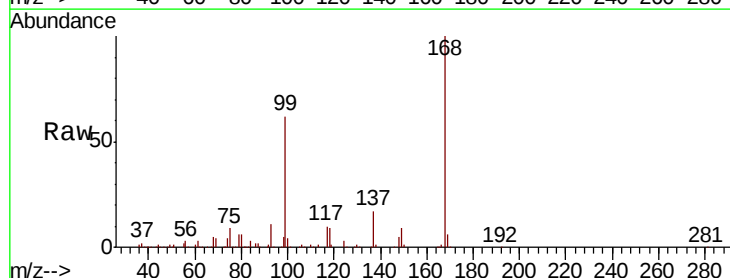
Tgt Ion: 56 Resp: 5264

Ion Ratio Lower Upper

56 100

69 161.3 24.3 36.5#

84 121.5 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

5000

4000

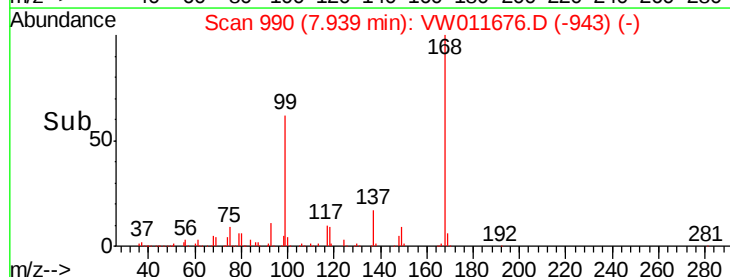
3000

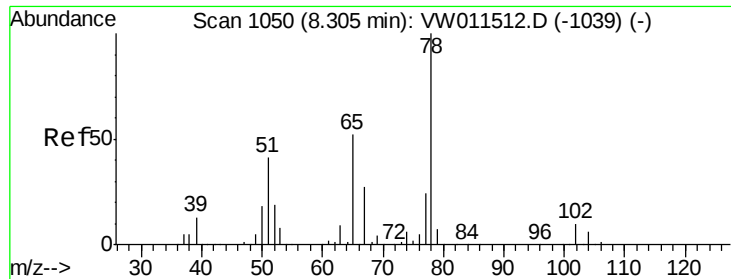
2000

1000

0

Time-->

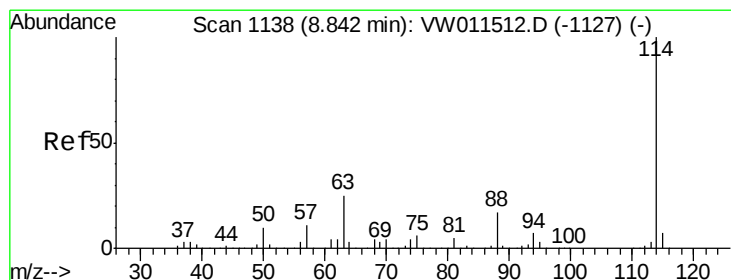
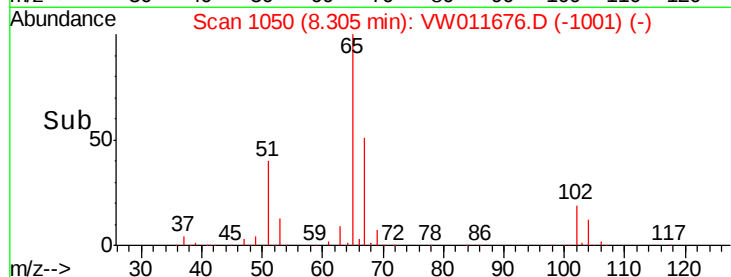
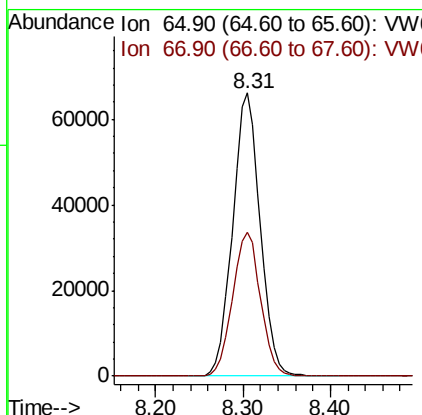
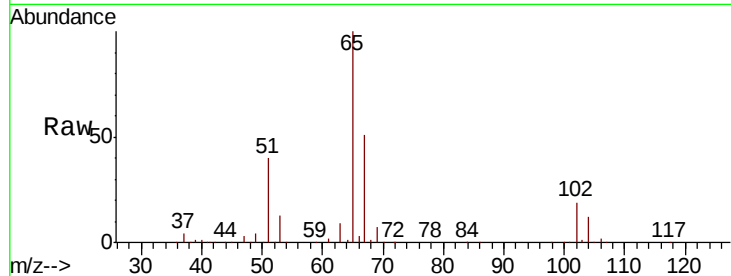




#33
 1,2-Dichloroethane-d4
 Concen: 58.164 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011676.D
 Acq: 03 Aug 2019 19:39

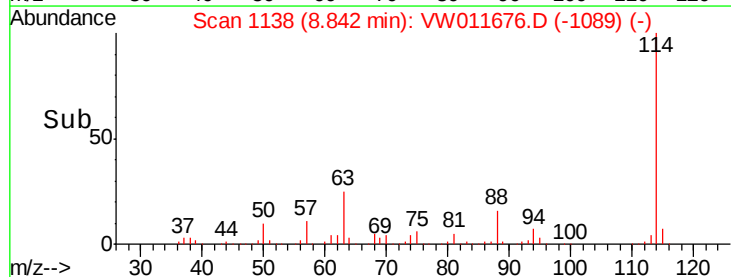
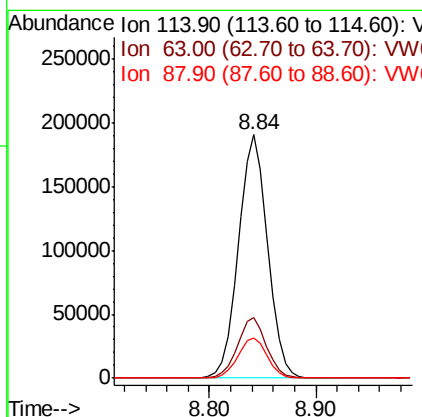
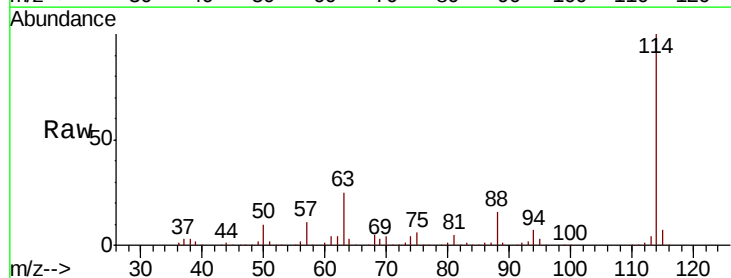
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E2-(30)

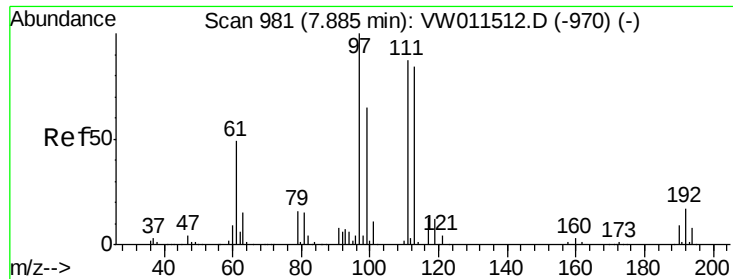
Tgt Ion: 65 Resp: 144211
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011676.D
 Acq: 03 Aug 2019 19:39

Tgt Ion: 114 Resp: 365666
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.5 0.0 33.8

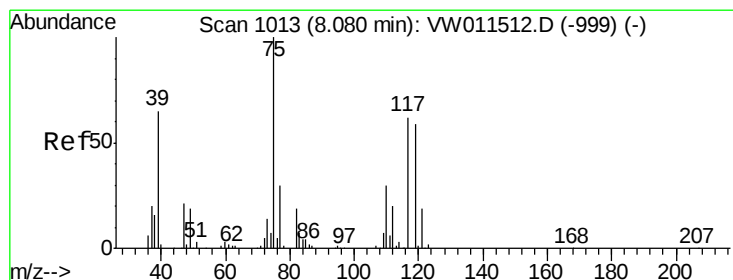
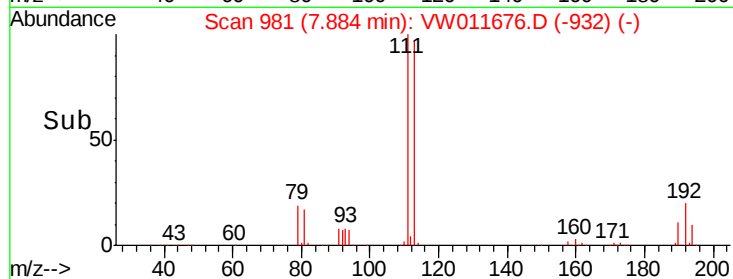
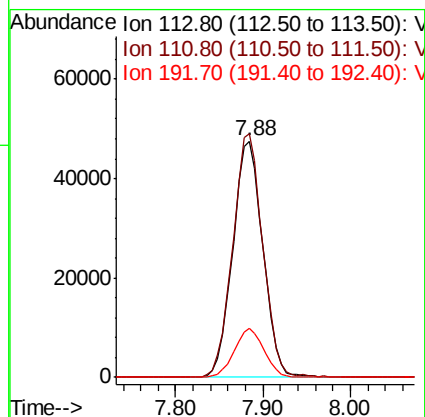
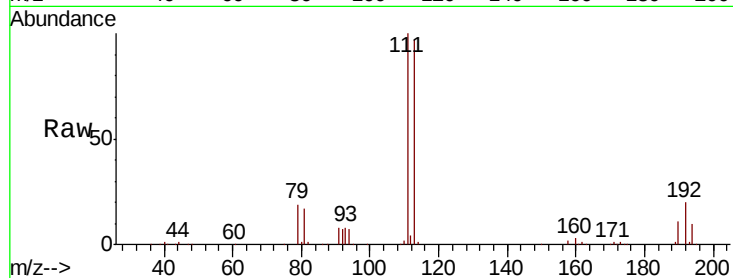




#35
 Dibromofluoromethane
 Concen: 55.505 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011676.D
 Acq: 03 Aug 2019 19:39

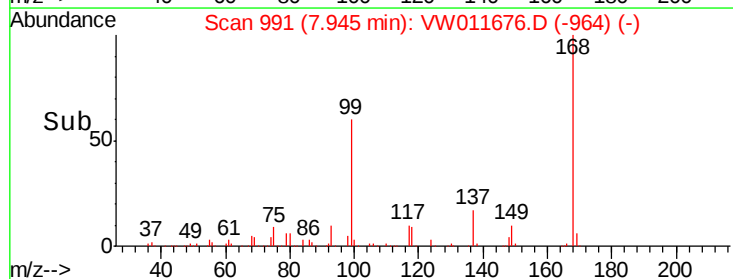
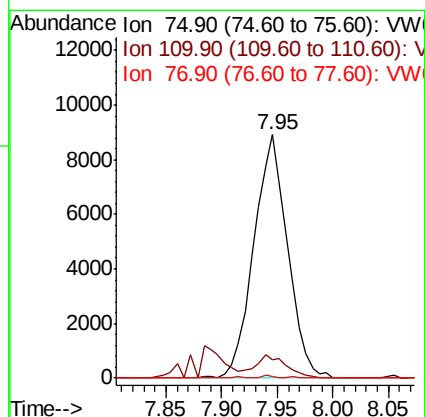
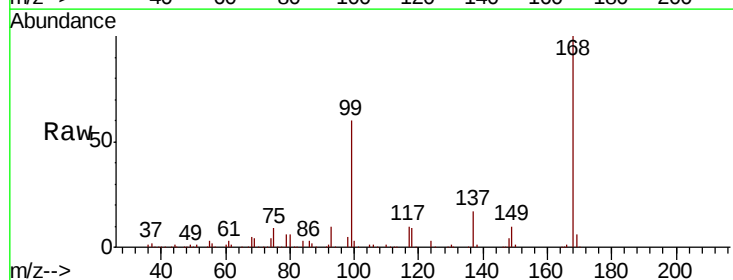
Instrument :
 MSVOA_W
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 2S-E2-(30)

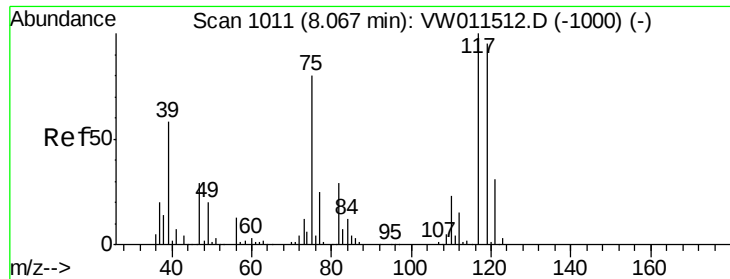
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	20.3	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.958 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011676.D
 Acq: 03 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.3	24.3	36.5#

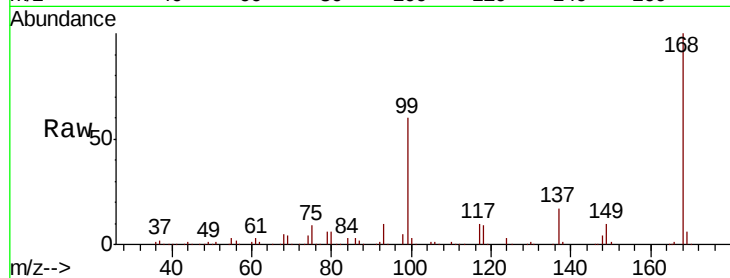




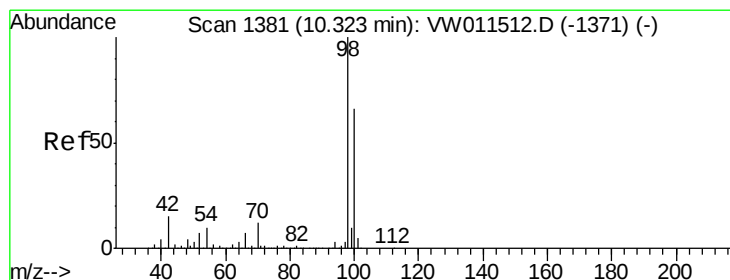
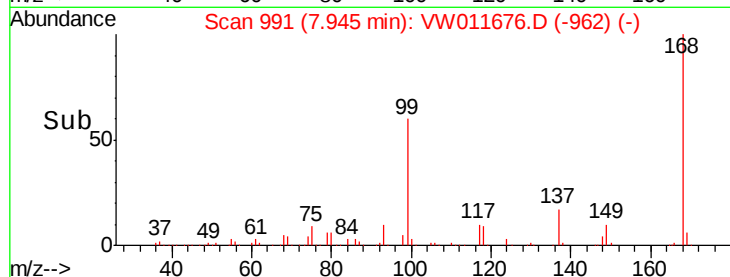
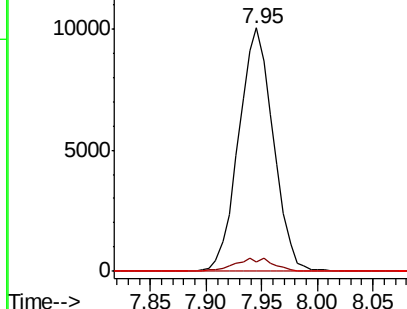
#38
Carbon Tetrachloride
Concen: 6.636 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011676.D
Acq: 03 Aug 2019 19:39

Instrument :
MSVOA_W
ClientSampleId :
2S-E2-(30)

Tgt Ion: 117 Resp: 21599
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.6#
121 0.0 24.7 37.1#

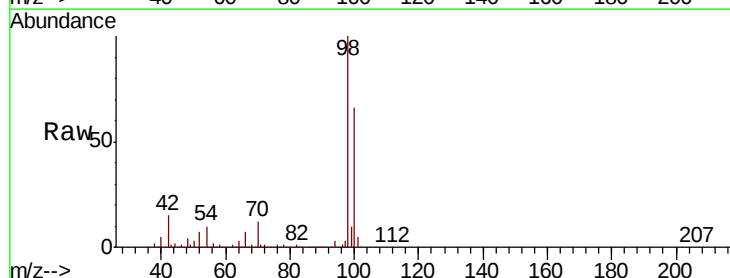


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

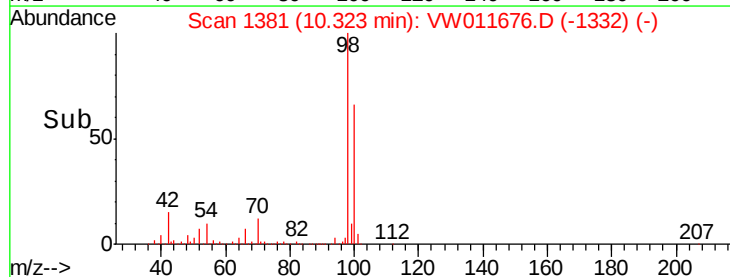
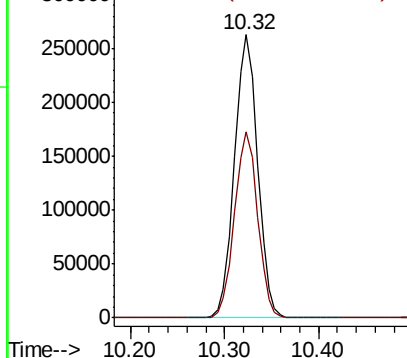


#50
Toluene-d8
Concen: 53.542 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011676.D
Acq: 03 Aug 2019 19:39

Tgt Ion: 98 Resp: 449712
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

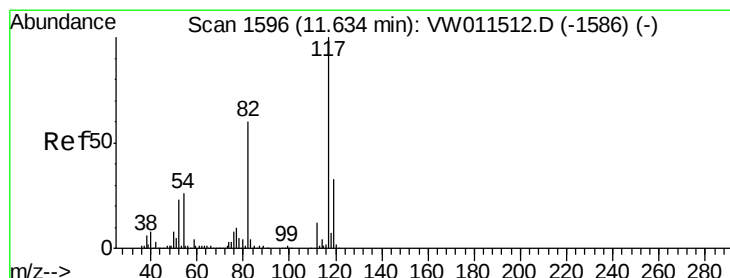
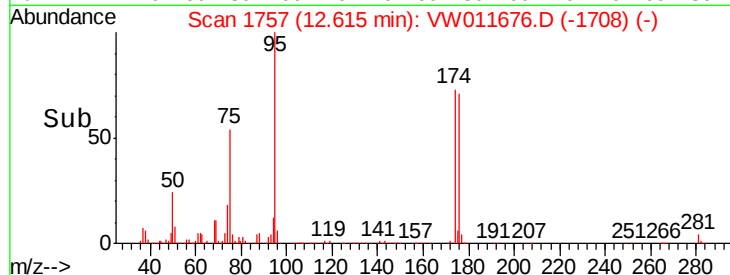
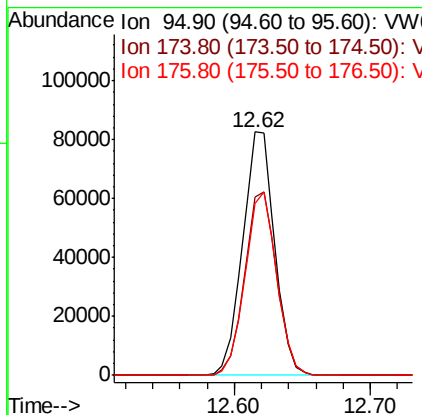
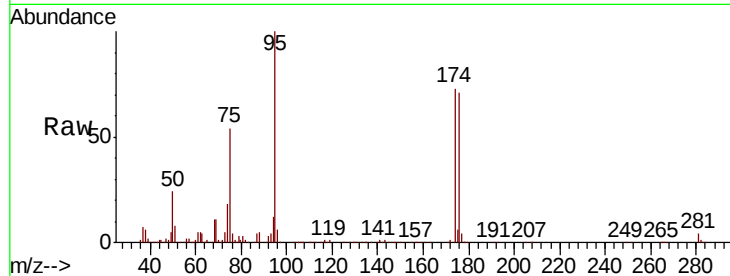




#62
4-Bromofluorobenzene
Concen: 45.385 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011676.D
Acq: 03 Aug 2019 19:39

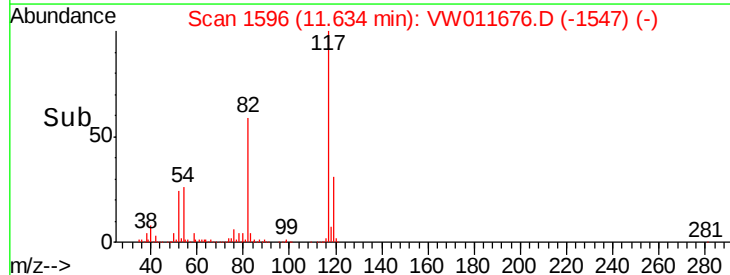
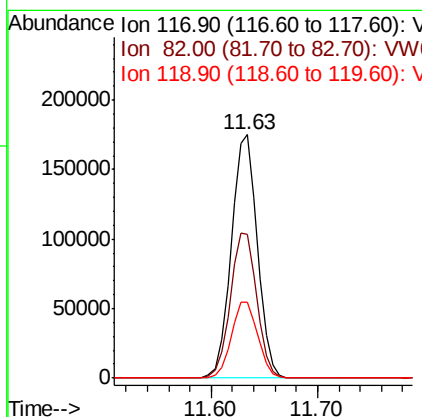
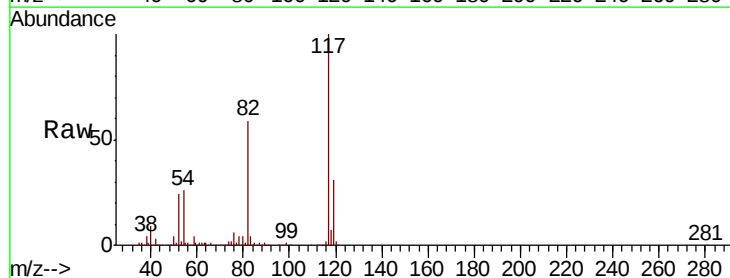
Instrument :
MSVOA_W
ClientSampleId :
2S-E2-(30)

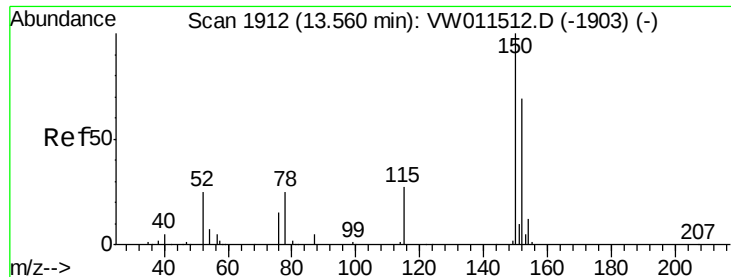
Tgt Ion: 95 Resp: 135905
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.2
176 74.3 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011676.D
Acq: 03 Aug 2019 19:39

Tgt Ion: 117 Resp: 300037
Ion Ratio Lower Upper
117 100
82 59.2 47.9 71.9
119 31.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011676.D

Acq: 03 Aug 2019 19:39

Instrument :

MSVOA_W

ClientSampleId :

2S-E2-(30)

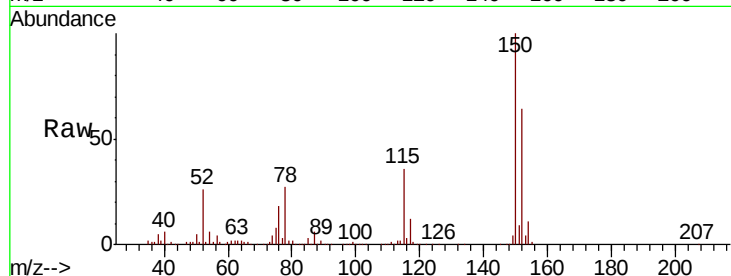
Tgt Ion:152 Resp: 113864

Ion Ratio Lower Upper

152 100

115 59.5 30.5 91.5

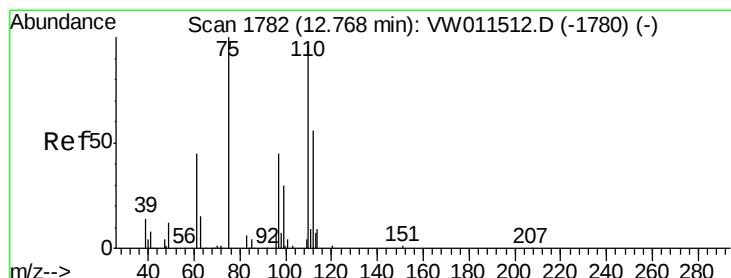
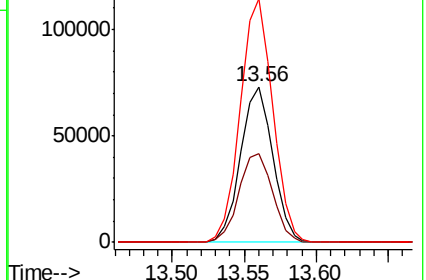
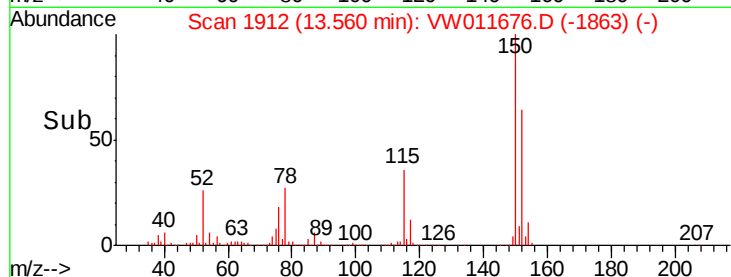
150 157.1 0.0 352.6



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: 60.470 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011676.D

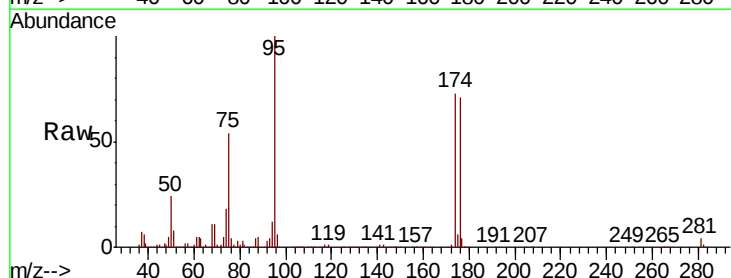
Acq: 03 Aug 2019 19:39

Tgt Ion: 75 Resp: 72855

Ion Ratio Lower Upper

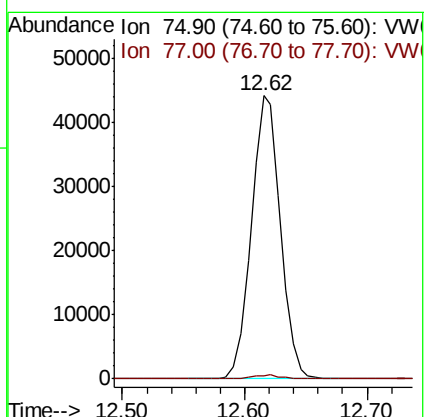
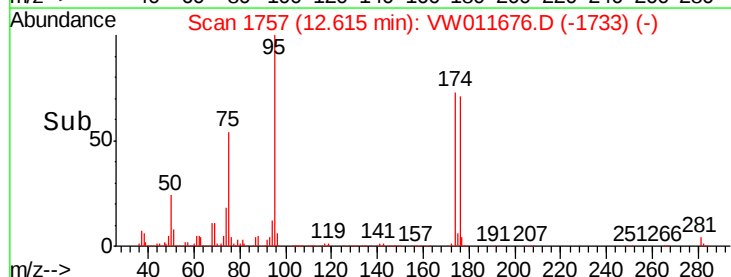
75 100

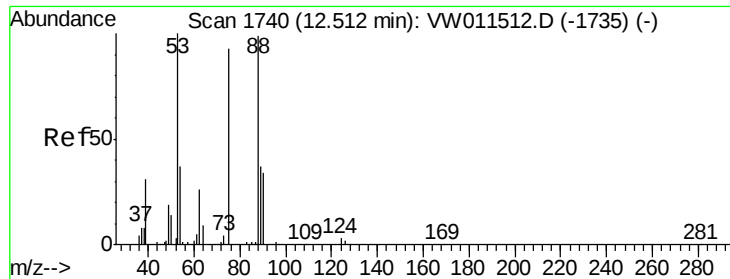
77 1.3 0.0 0.0#



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: 139.362 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011676.D

Acq: 03 Aug 2019 19:39

Instrument :

MSVOA_W

ClientSampleId :

2S-E2-(30)

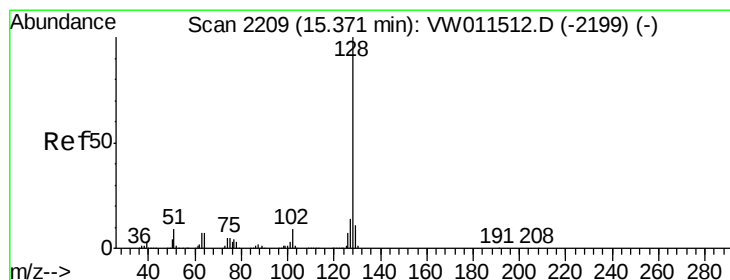
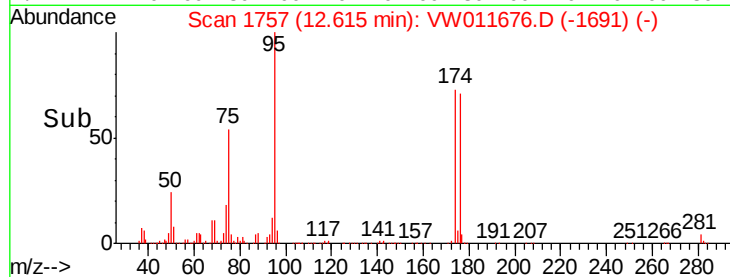
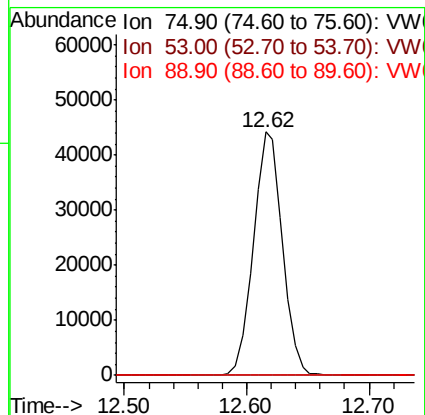
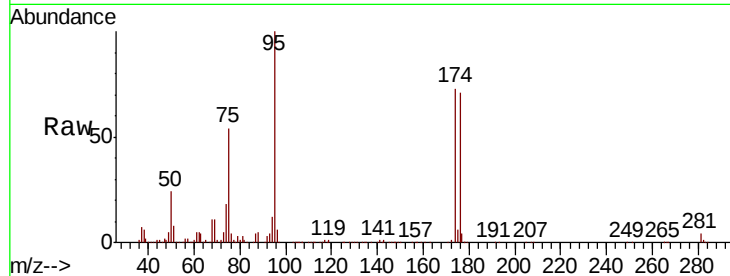
Tgt Ion: 75 Resp: 72855

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.122 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011676.D

Acq: 03 Aug 2019 19:39

Tgt Ion: 128 Resp: 265

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

