

Data File : VW012732.D
Acq On : 07 Sep 2019 20:46
Operator : SY/VA
Sample : K4554-27
Misc : 5.08G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-6-(0-2)

Quant Time: Sep 08 05:14:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	130101	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146589	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.88	113	115727	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.32	98	460851	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.62	95	142848	43.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.44%	

Target Compounds

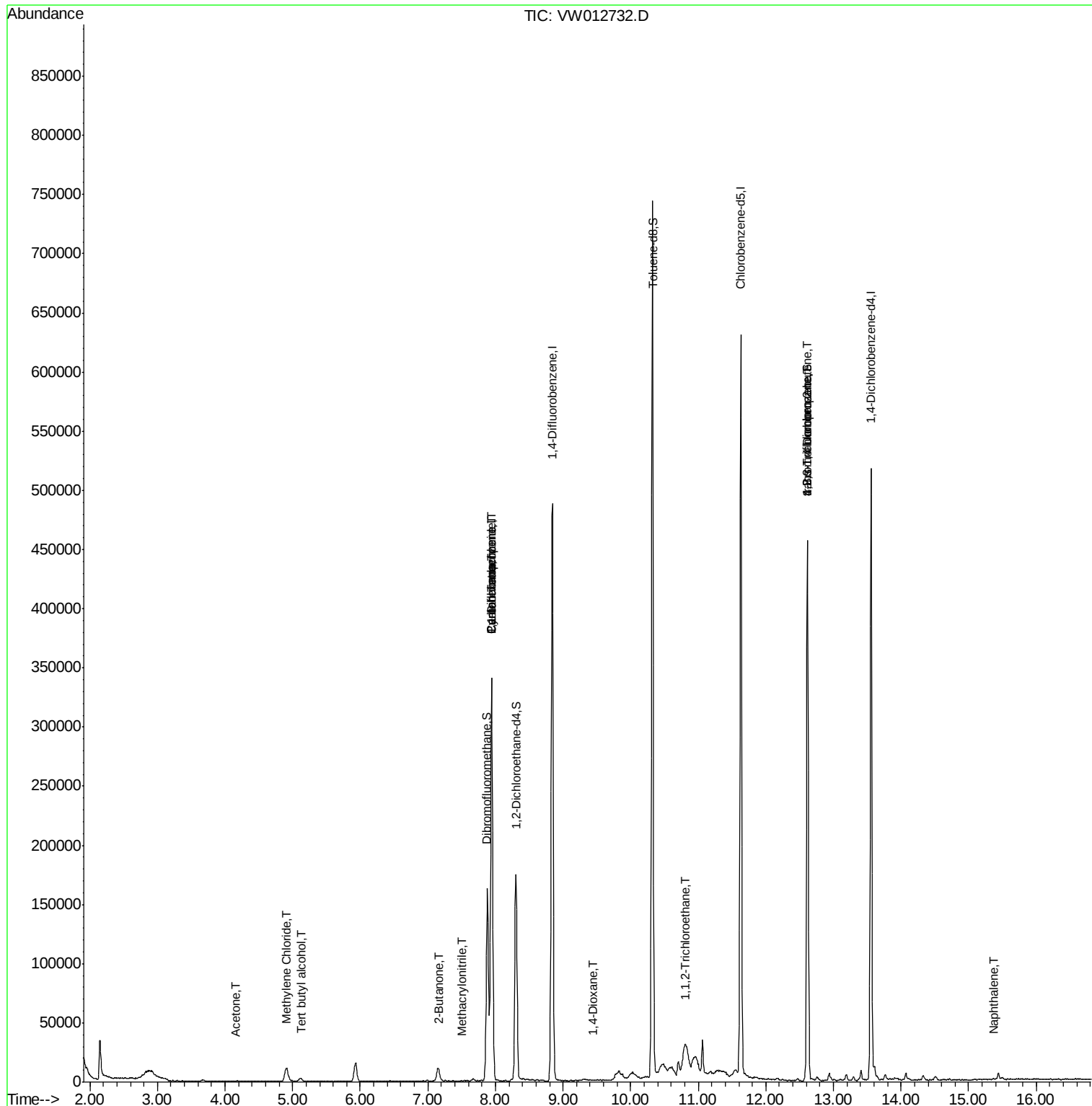
						Qvalue
11) Tert butyl alcohol	5.12	59	2626	12.252	ug/l #	75
16) Acetone	4.15	43	1063	1.392	ug/l #	77
20) Methylene Chloride	4.91	84	8993	3.764	ug/l	94
25) 2-Butanone	7.17	43	549	20.130	ug/l #	85
31) Cyclohexane	7.94	56	5760	1.399	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20843	6.001	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25031	7.311	ug/l #	16
41) Methacrylonitrile	7.49	41	143	3.926	ug/l #	46
49) 1,4-Dioxane	9.44	88	27	1.080	ug/l #	22
55) 1,1,2-Trichloroethane	10.80	97	2526	1.333	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	77564	58.304	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77564	123.317	ug/l #	6
95) Naphthalene	15.36	128	225	4.477	ug/l #	69

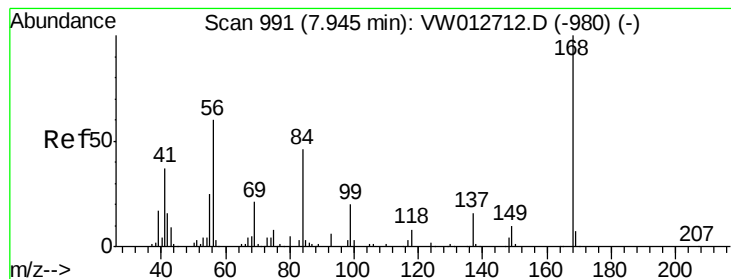
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012732.D

Acq: 07 Sep 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

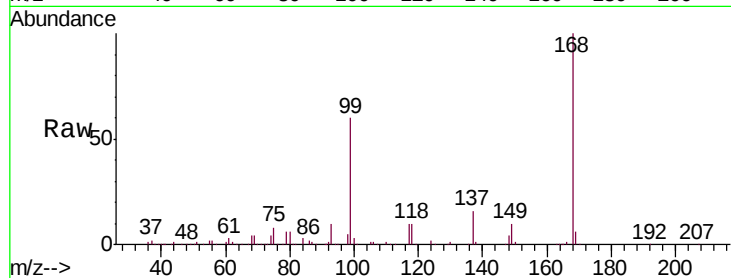
SB-6-(0-2)

Tgt Ion:168 Resp: 250726

Ion Ratio Lower Upper

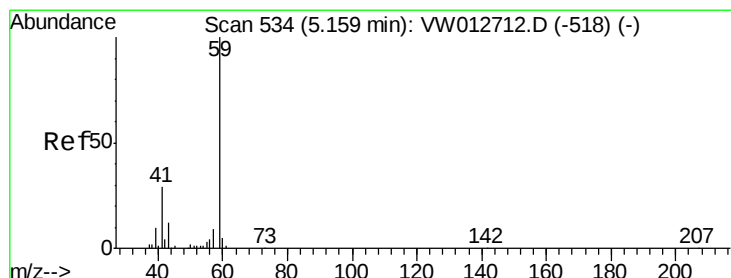
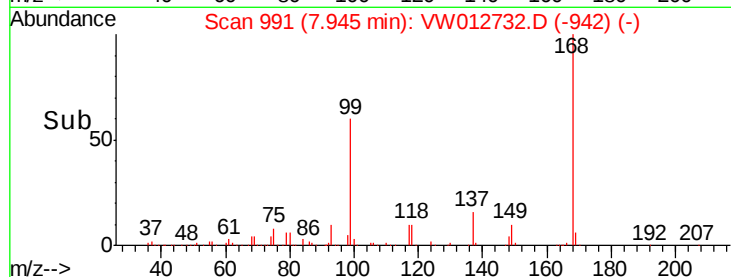
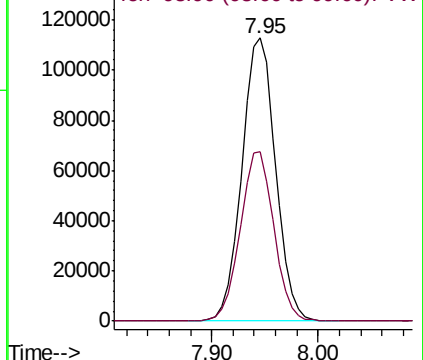
168 100

99 59.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 12.252 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW012732.D

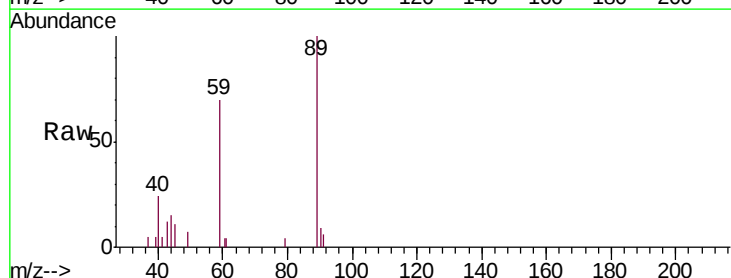
Acq: 07 Sep 2019 20:46

Tgt Ion: 59 Resp: 2626

Ion Ratio Lower Upper

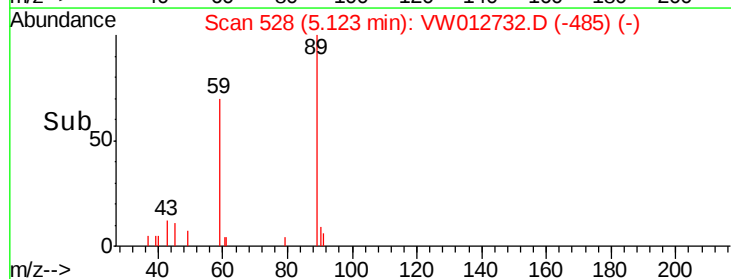
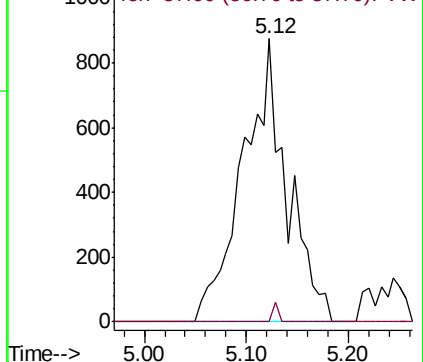
59 100

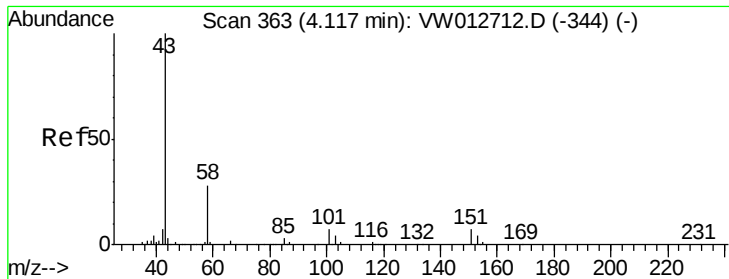
57 0.8 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.392 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW012732.D

Acq: 07 Sep 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

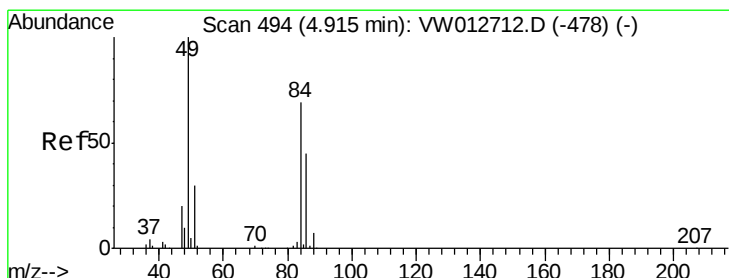
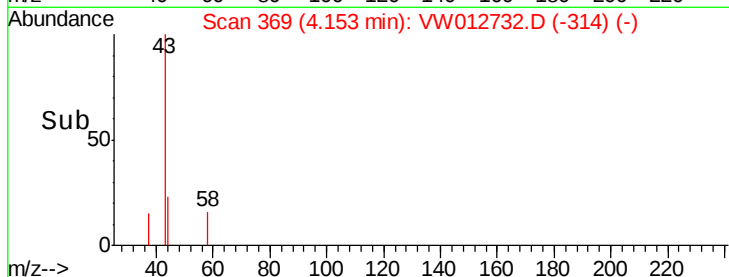
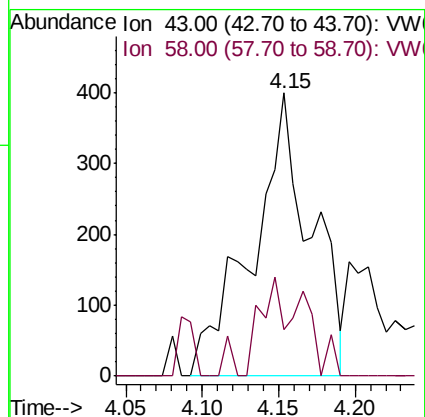
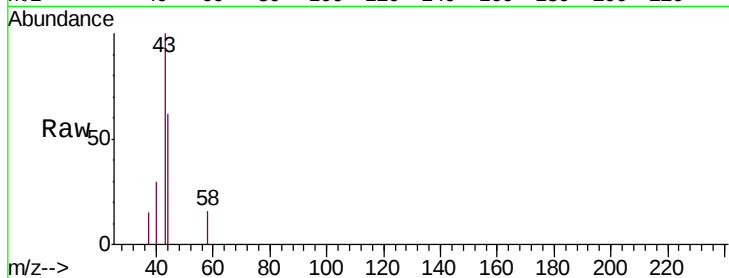
SB-6-(0-2)

Tgt Ion: 43 Resp: 1063

Ion Ratio Lower Upper

43 100

58 16.3 22.6 33.8#



#20

Methylene Chloride

Concen: 3.764 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012732.D

Acq: 07 Sep 2019 20:46

Tgt Ion: 84 Resp: 8993

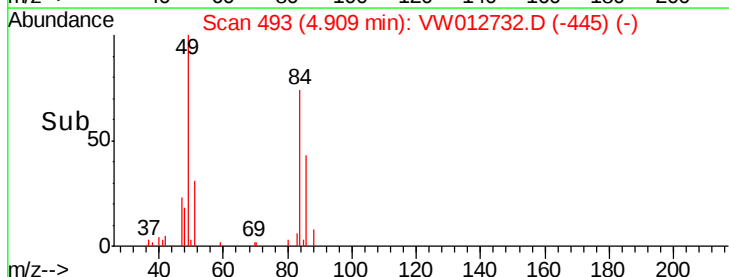
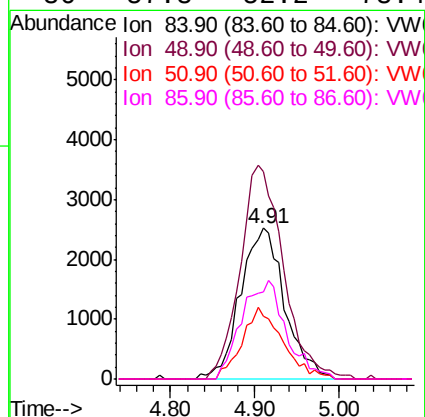
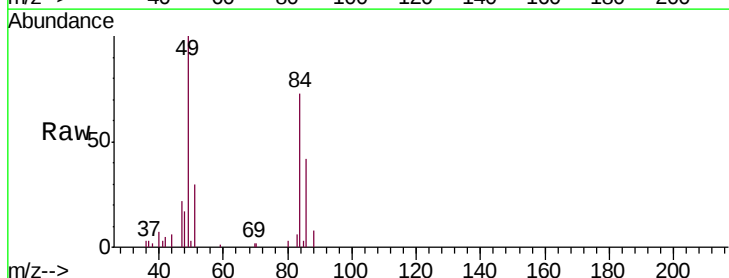
Ion Ratio Lower Upper

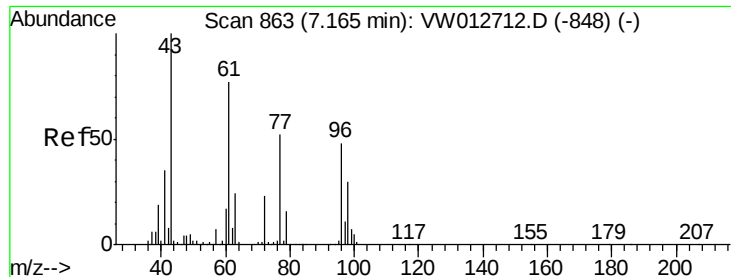
84 100

49 137.9 115.4 173.0

51 41.6 34.9 52.3

86 57.8 52.2 78.4





#25

2-Butanone

Concen: 20.130 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012732.D

Acq: 07 Sep 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

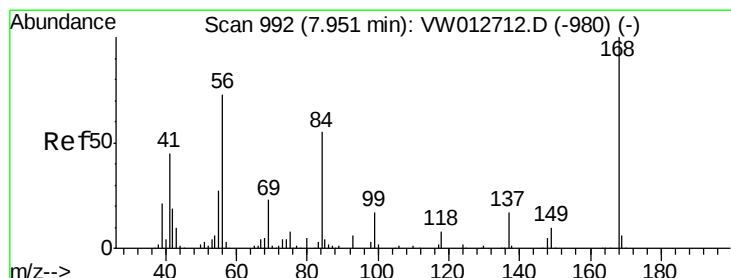
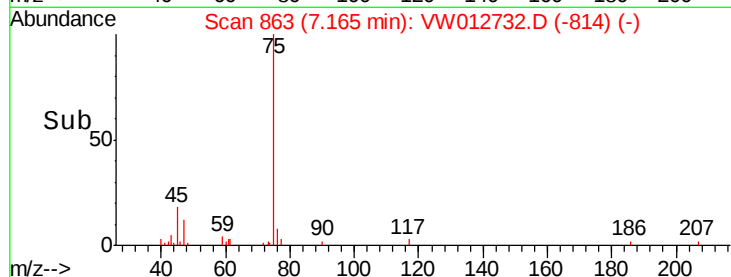
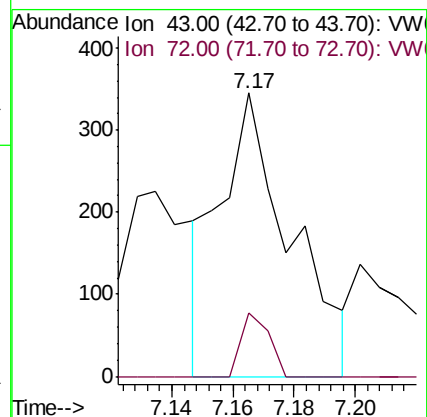
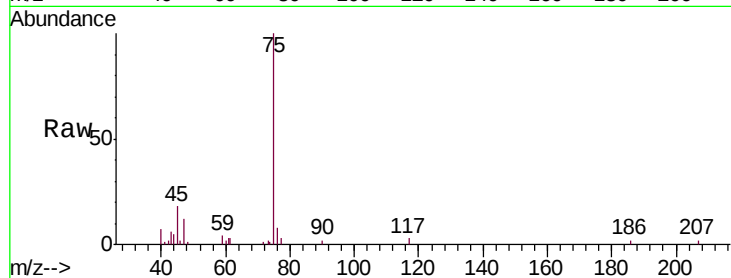
SB-6-(0-2)

Tgt Ion: 43 Resp: 549

Ion Ratio Lower Upper

43 100

72 29.5 18.0 27.0#



#31

Cyclohexane

Concen: 1.399 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012732.D

Acq: 07 Sep 2019 20:46

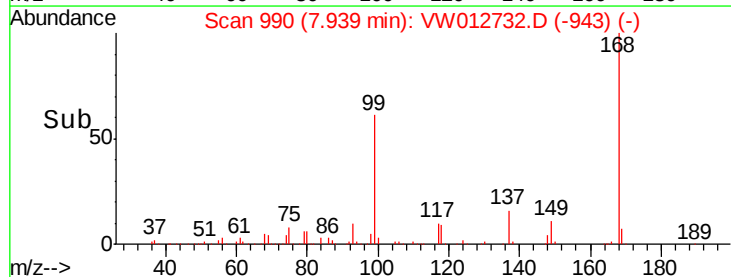
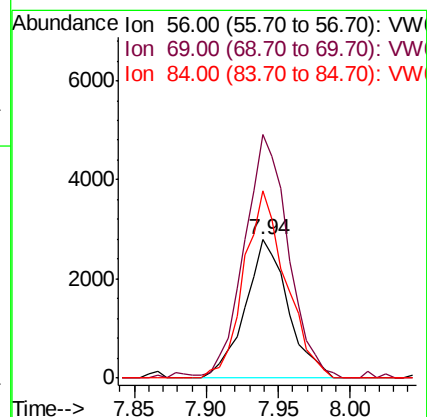
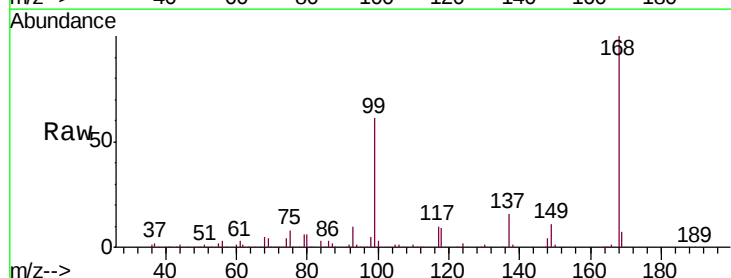
Tgt Ion: 56 Resp: 5760

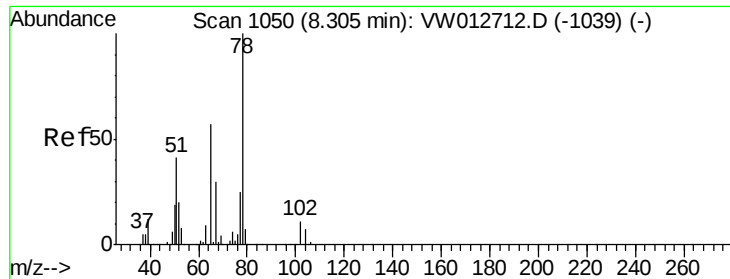
Ion Ratio Lower Upper

56 100

69 175.8 25.7 38.5#

84 134.8 60.4 90.6#

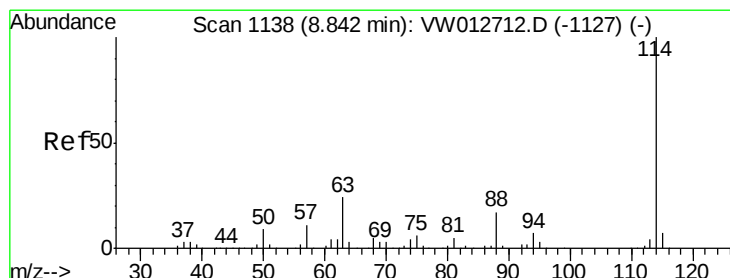
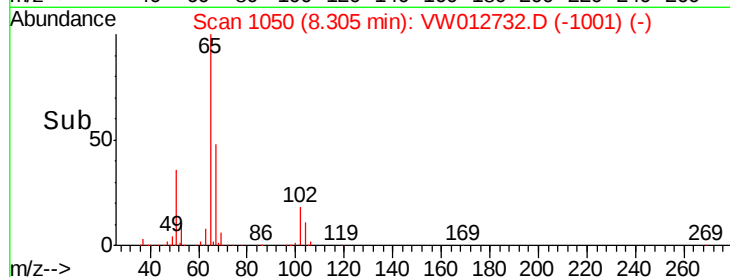
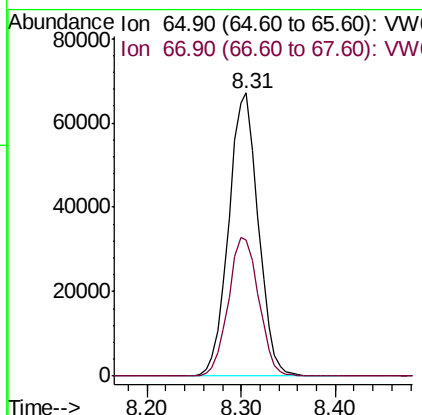
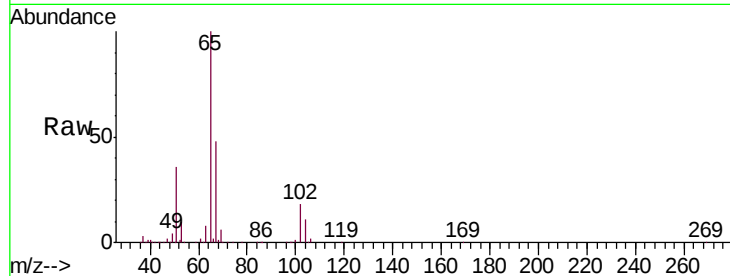




#33
 1,2-Dichloroethane-d4
 Concen: 52.326 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

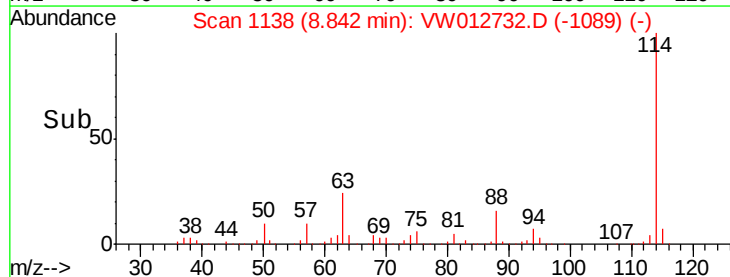
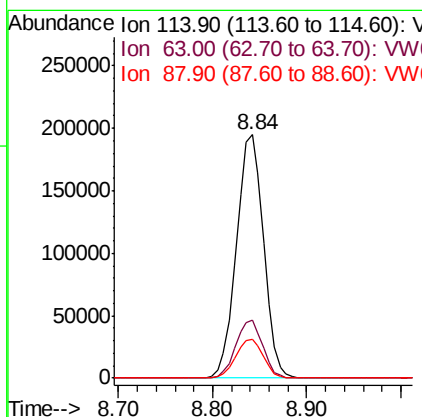
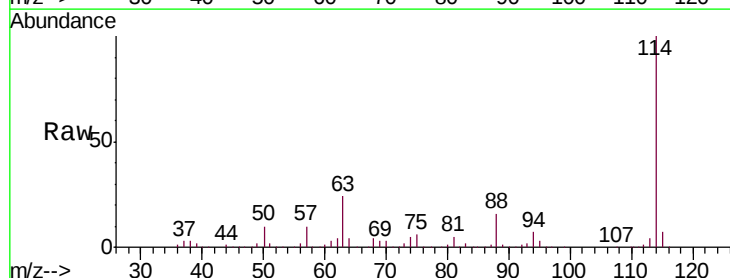
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-6-(0-2)

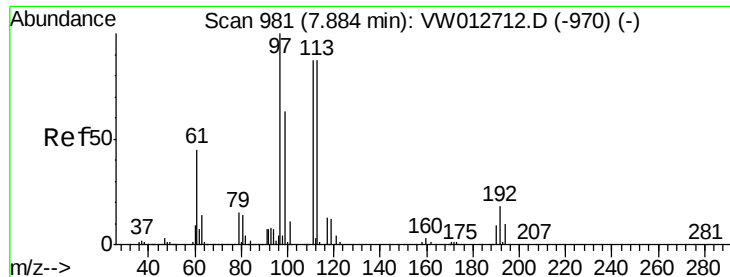
Tgt Ion: 65 Resp: 146589
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

Tgt Ion: 114 Resp: 390907
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 16.0 0.0 34.0

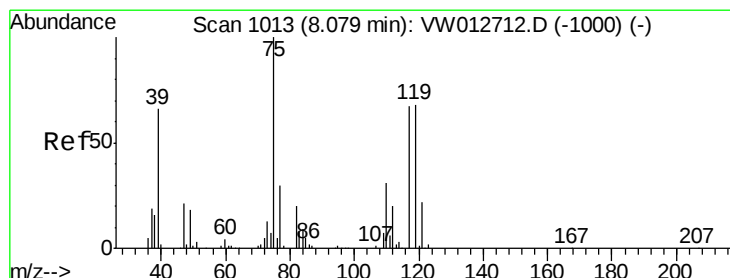
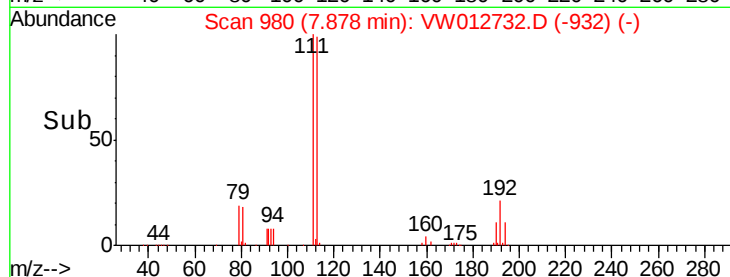
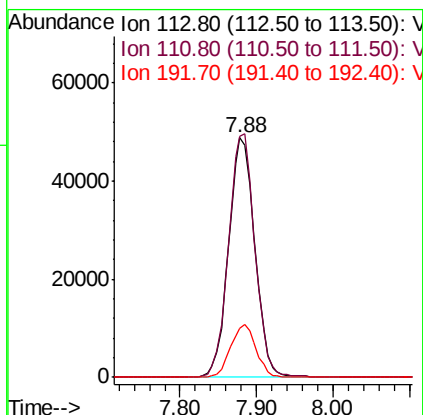
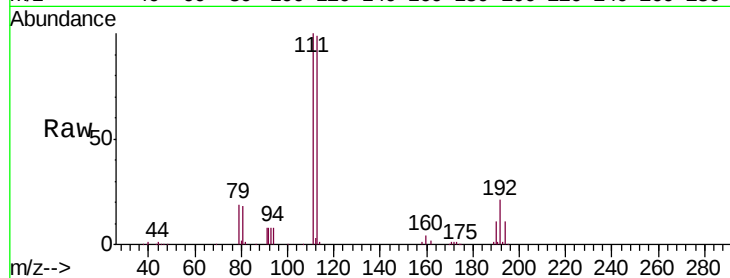




#35
 Dibromofluoromethane
 Concen: 49.795 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

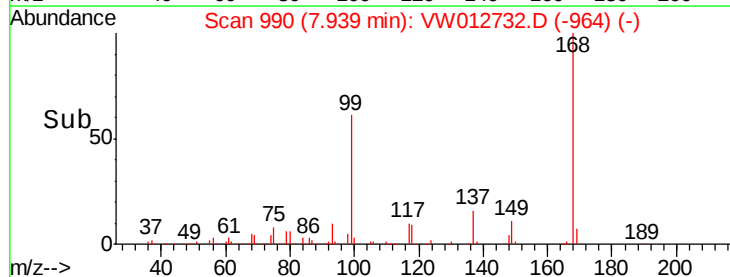
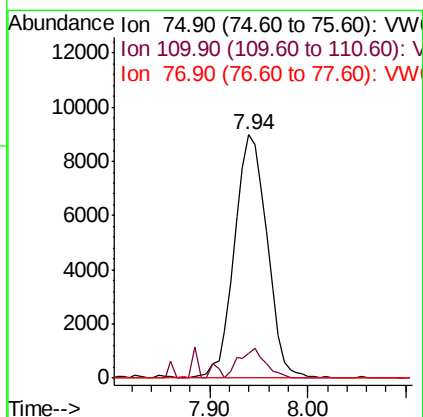
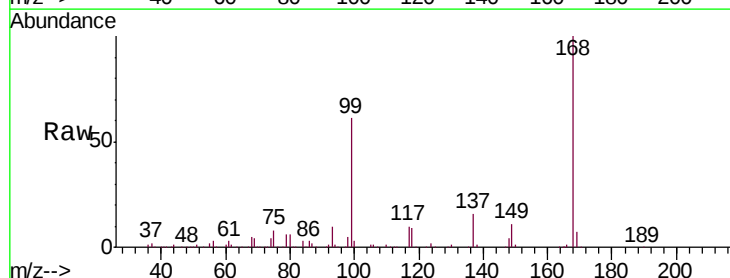
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-6-(0-2)

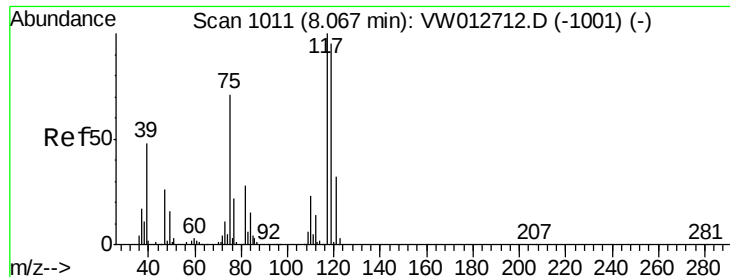
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.2	120.4
192	21.5	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 6.001 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	15.9	47.7#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 7.311 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012732.D

Acq: 07 Sep 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

SB-6-(0-2)

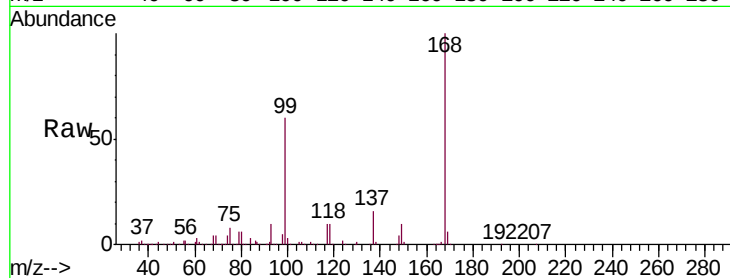
Tgt Ion: 117 Resp: 25031

Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

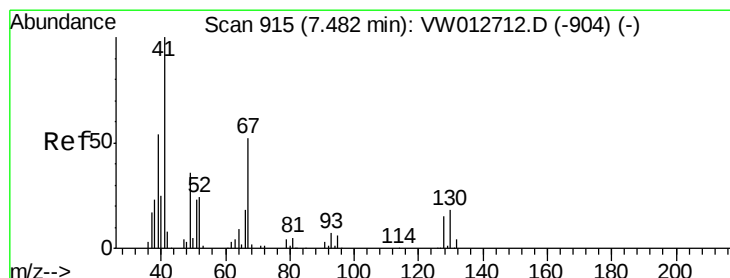
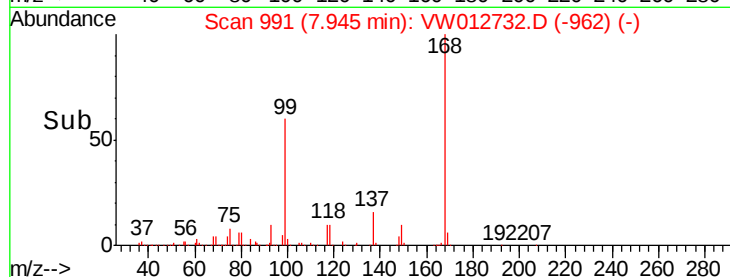
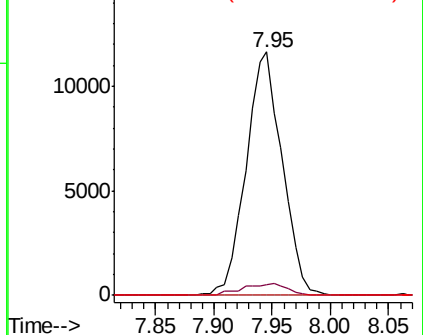
121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 3.926 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW012732.D

Acq: 07 Sep 2019 20:46

Tgt Ion: 41 Resp: 143

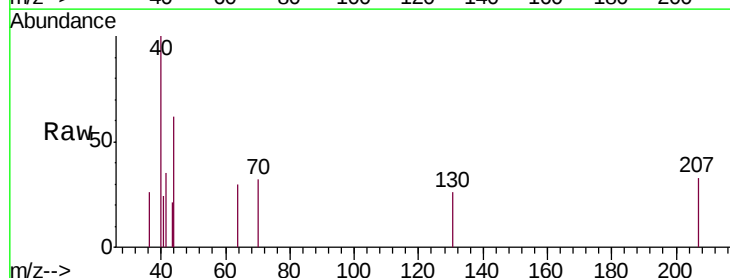
Ion Ratio Lower Upper

41 100

39 34.3 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

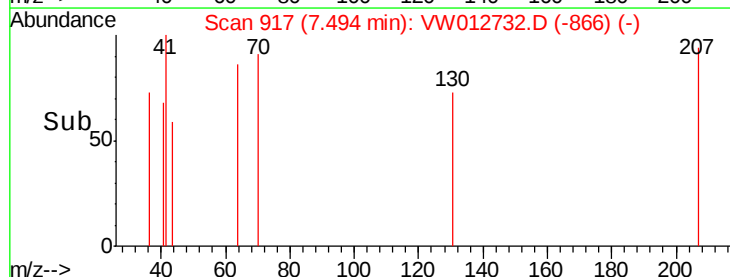
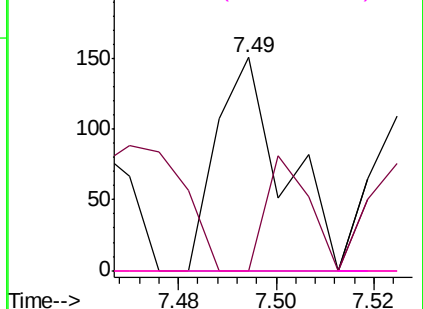


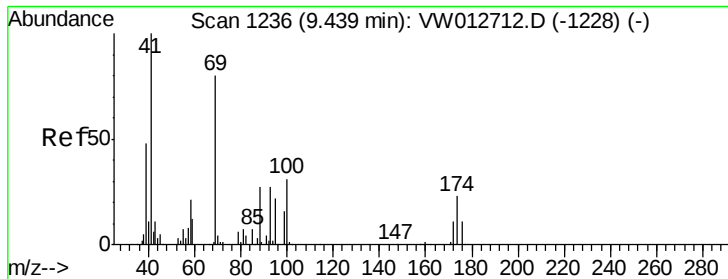
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

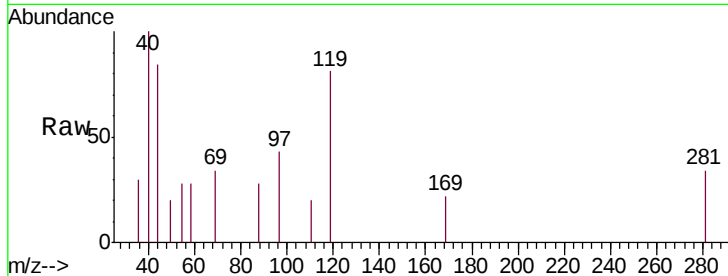




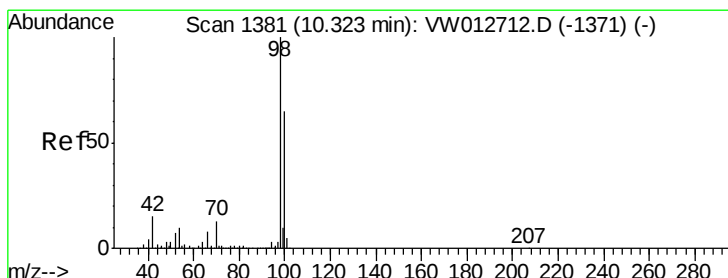
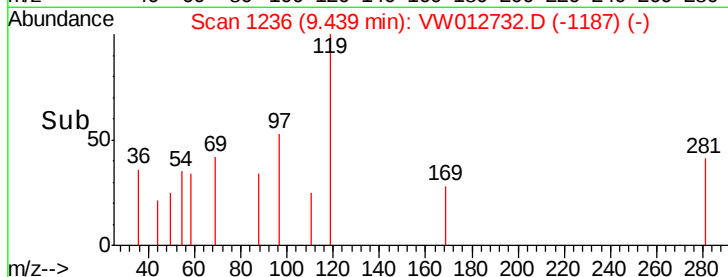
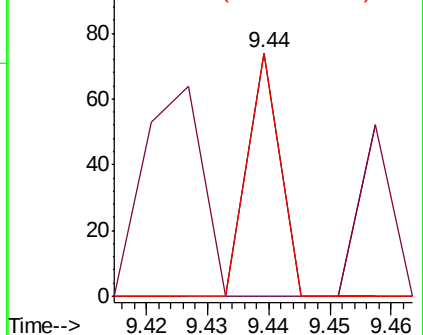
#49
 1,4-Dioxane
 Concen: 1.080 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-6-(0-2)

Tgt Ion: 88 Resp: 27
 Ion Ratio Lower Upper
 88 100
 43 159.3 34.8 52.2#
 58 100.0 64.1 96.1#

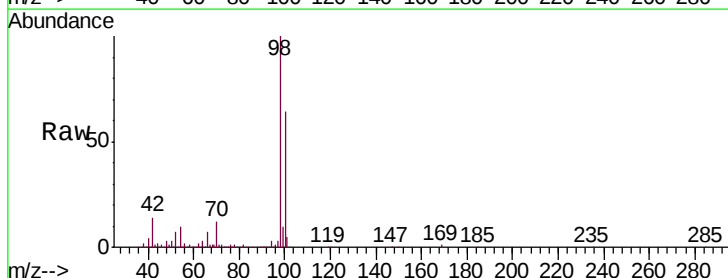


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

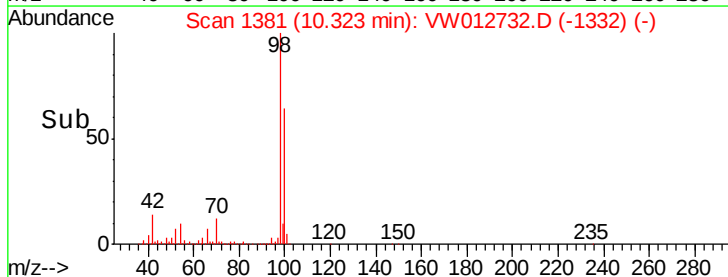
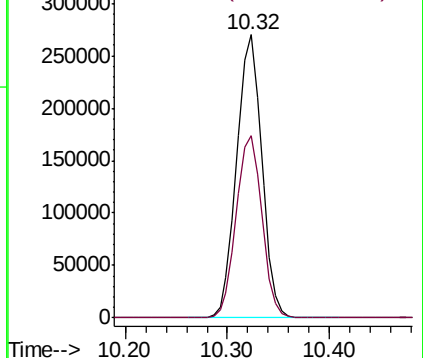


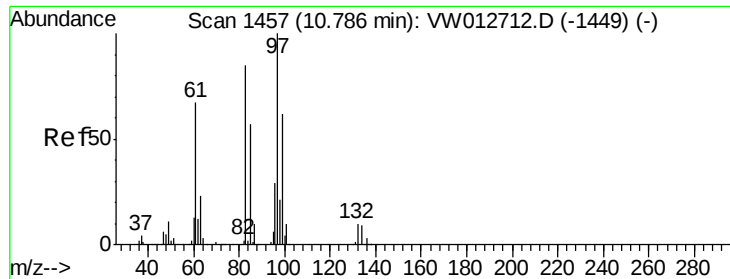
#50
 Toluene-d8
 Concen: 50.615 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

Tgt Ion: 98 Resp: 460851
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.2 78.4



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

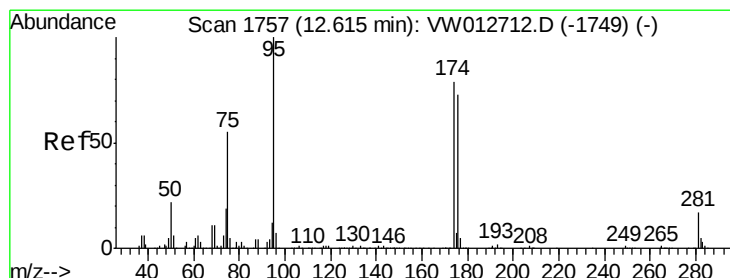
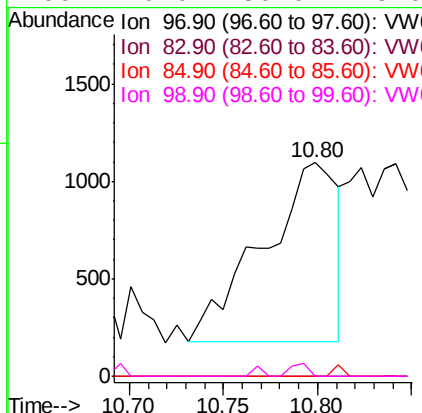
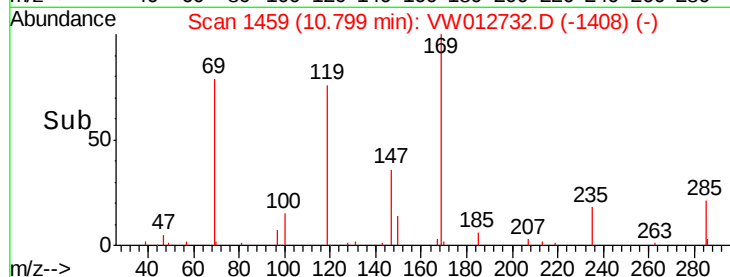
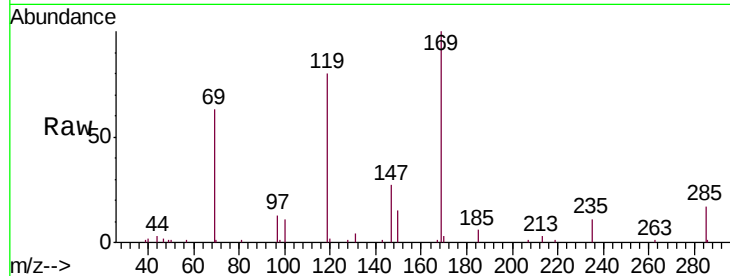




#55
 1,1,2-Trichloroethane
 Concen: 1.333 ug/l
 RT: 10.80 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

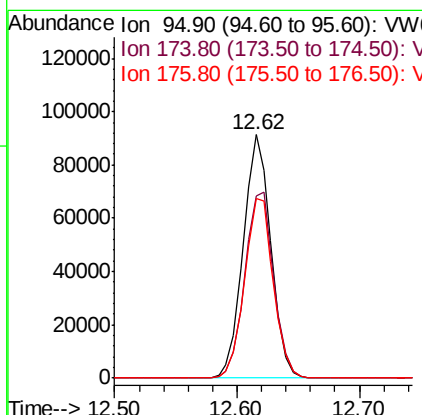
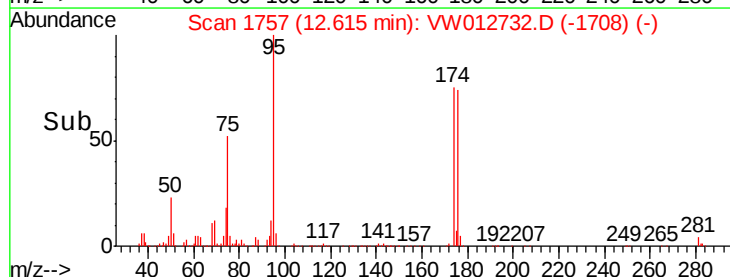
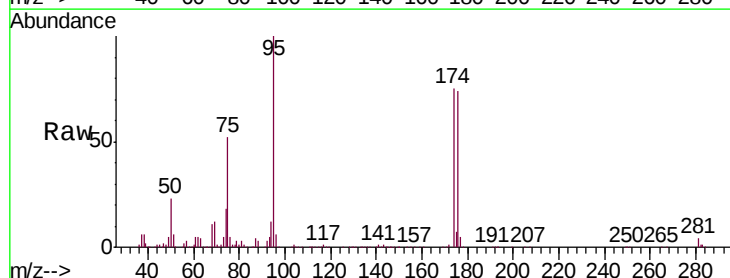
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-6-(0-2)

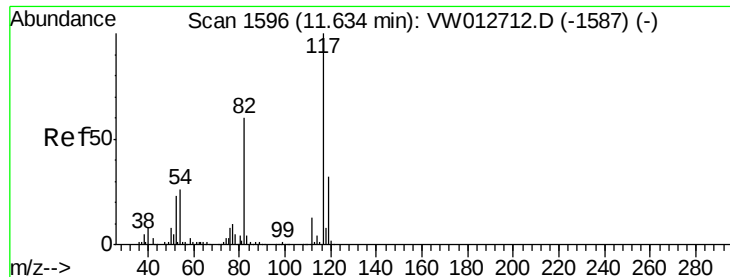
Tgt Ion: 97 Resp: 2526
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.1 102.1#
 85 0.0 45.3 67.9#
 99 0.0 50.0 75.0#



#62
 4-Bromofluorobenzene
 Concen: 43.216 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

Tgt Ion: 95 Resp: 142848
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 161.0
 176 77.1 0.0 156.4

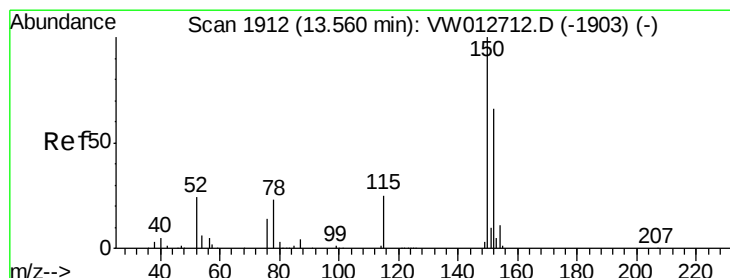
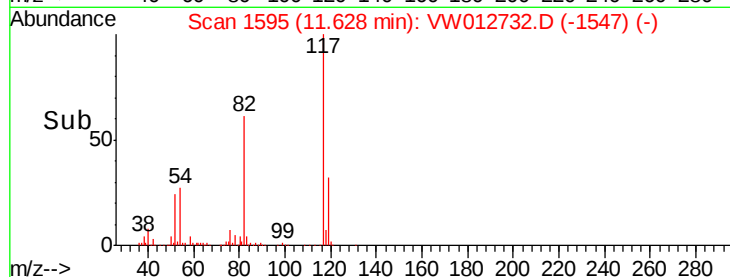
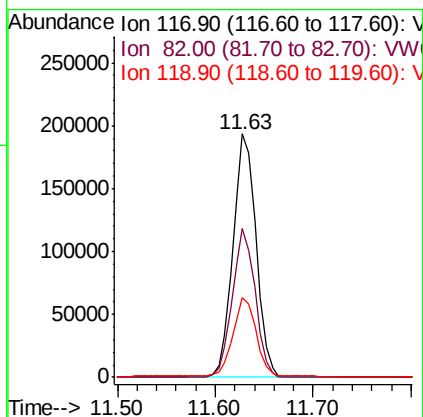
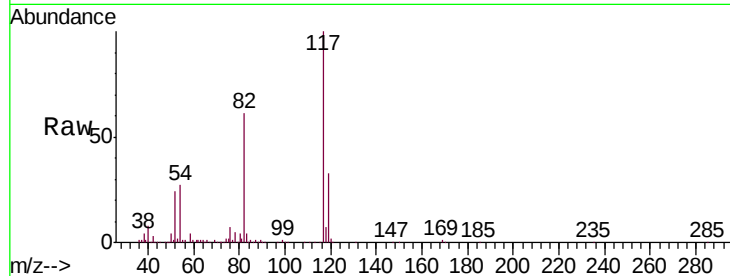




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012732.D
Acq: 07 Sep 2019 20:46

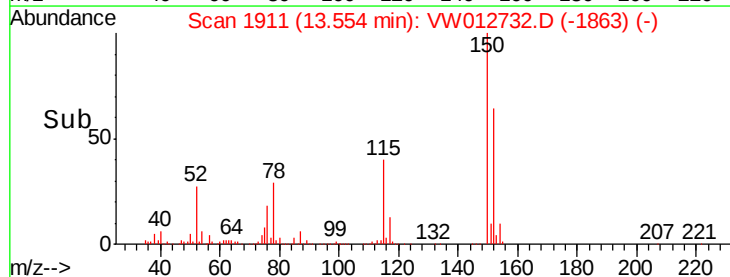
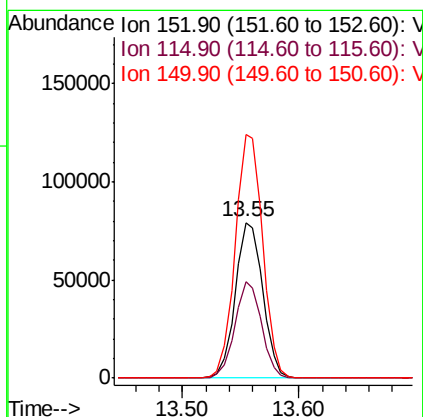
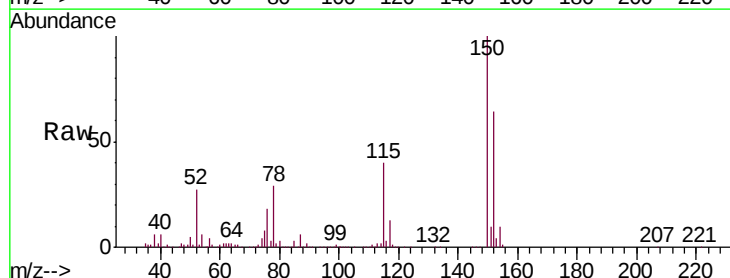
Instrument :
MSVOA_W
ClientSampleId :
SB-6-(0-2)

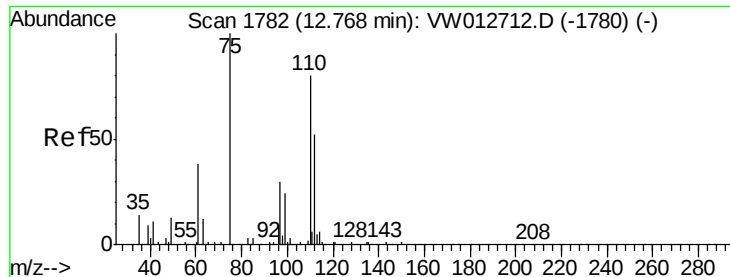
Tgt Ion:117 Resp: 317118
Ion Ratio Lower Upper
117 100
82 61.0 48.2 72.4
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012732.D
Acq: 07 Sep 2019 20:46

Tgt Ion:152 Resp: 130101
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.1
150 156.7 0.0 349.0

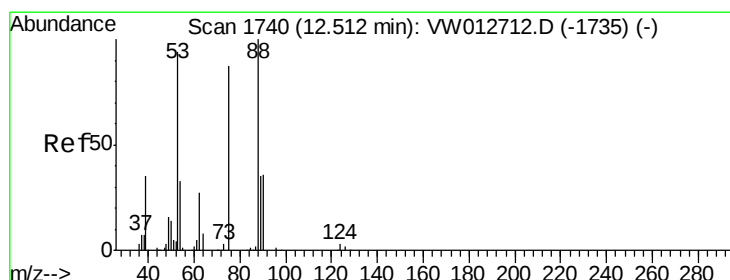
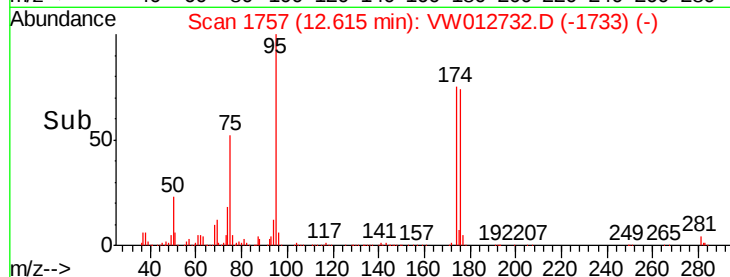
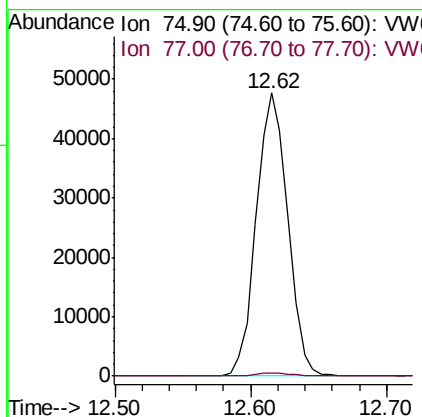
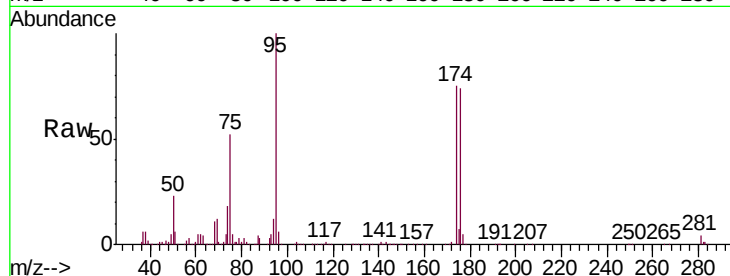




#76
 1,2,3-Trichloropropane
 Concen: 58.304 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

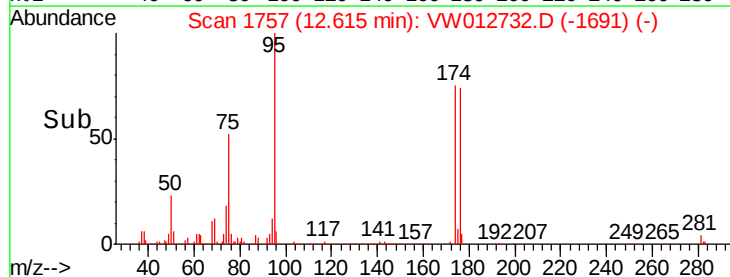
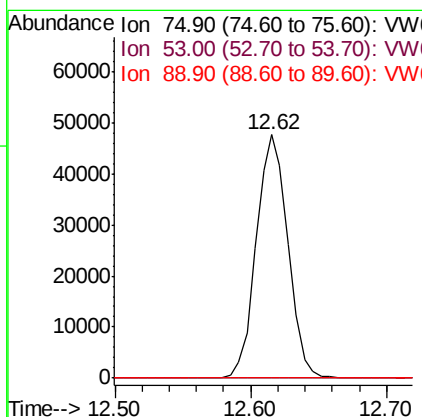
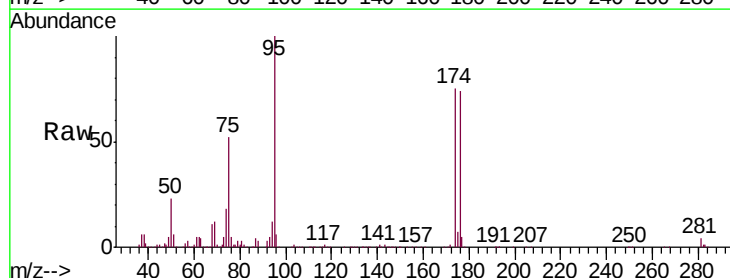
Instrument :
 MSVOA_W
 ClientSampled :
 SB-6-(0-2)

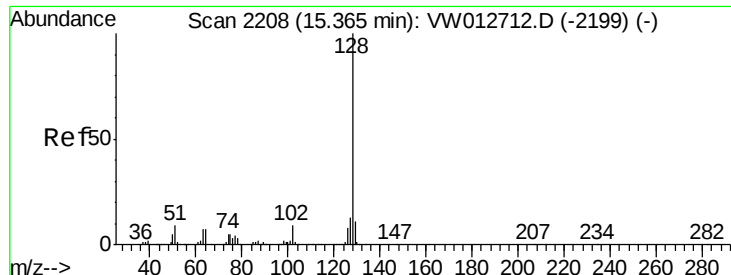
Tgt Ion: 75 Resp: 77564
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.317 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012732.D
 Acq: 07 Sep 2019 20:46

Tgt Ion: 75 Resp: 77564
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.477 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012732.D

Acq: 07 Sep 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

SB-6-(0-2)

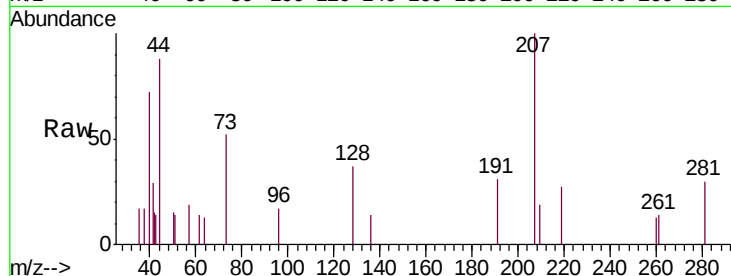
Tgt Ion:128 Resp: 225

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



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

