

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011795.D
 Acq On : 09 Aug 2019 03:39
 Operator : SY/VA
 Sample : K4228-15
 Misc : 5.56G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-13-(0)

Quant Time: Aug 09 05:39:52 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

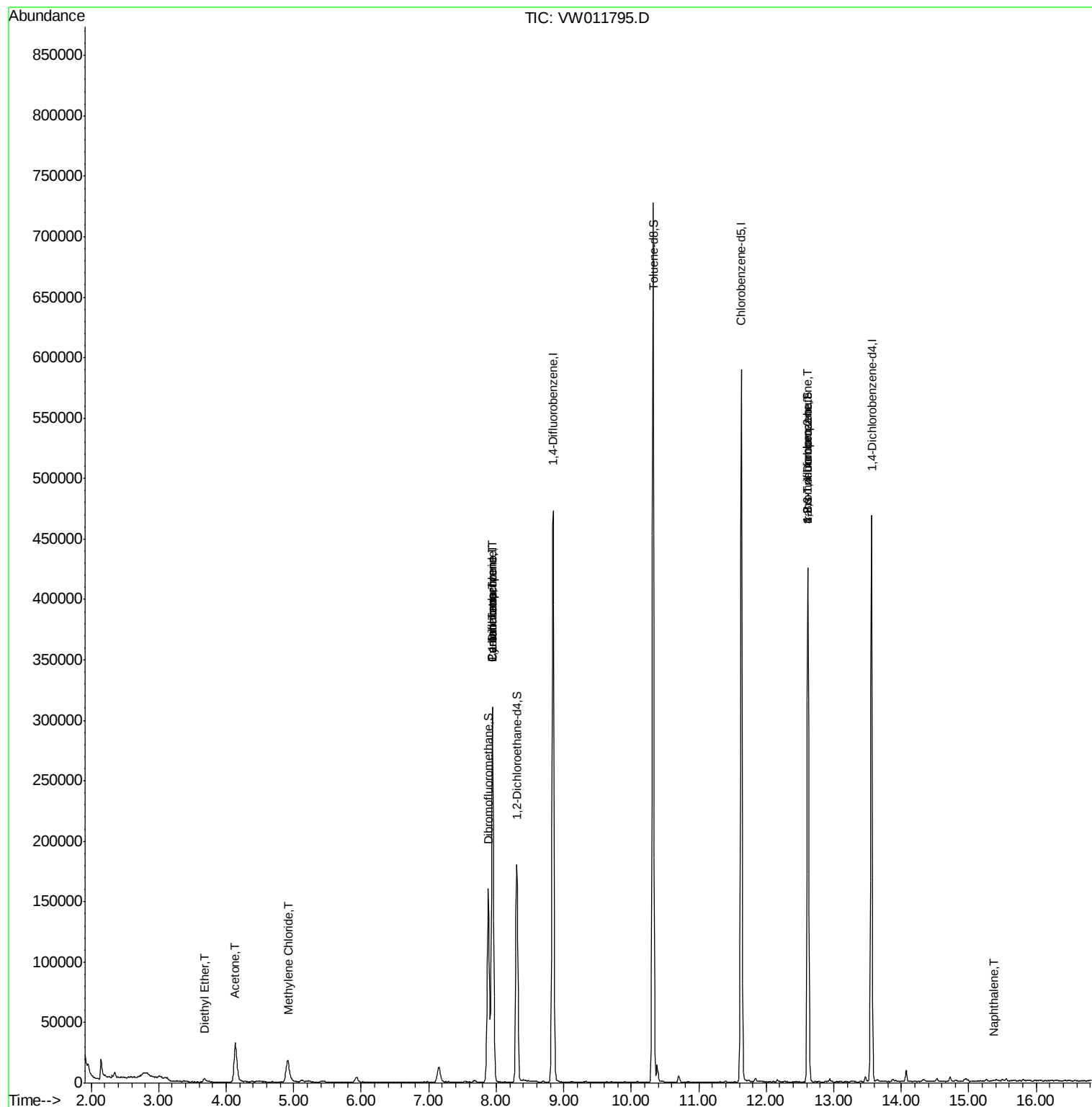
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117339	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	144499	56.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.38%	
35) Dibromofluoromethane	7.88	113	113355	54.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.30%	
50) Toluene-d8	10.32	98	452899	53.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.62	95	138377	45.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.40%	
Target Compounds						
8) Diethyl Ether	3.67	74	1478	1.129	ug/l	79
11) Tert butyl alcohol	5.22	59	1765	Below Cal	#	82
16) Acetone	4.14	43	64547	79.604	ug/l	99
20) Methylene Chloride	4.92	84	13795	4.933	ug/l	95
31) Cyclohexane	7.95	56	5965	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18963	4.933	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22545	6.850	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	74064	59.653	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74064	137.479	ug/l #	6
95) Naphthalene	15.37	128	649	2.200	ug/l #	78

(#) = 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

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MSVOA_W

ClientSampleId :

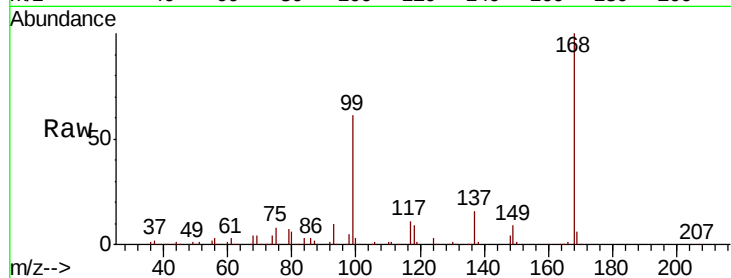
2S-13-(0)

Tgt Ion:168 Resp: 221989

Ion Ratio Lower Upper

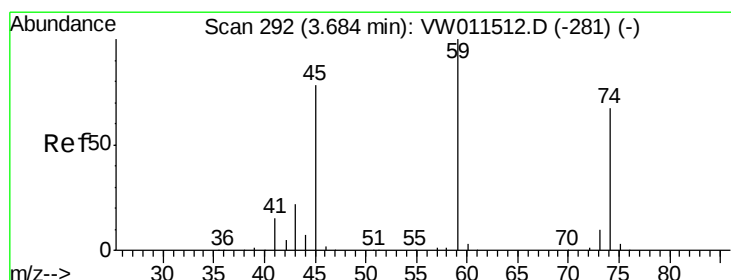
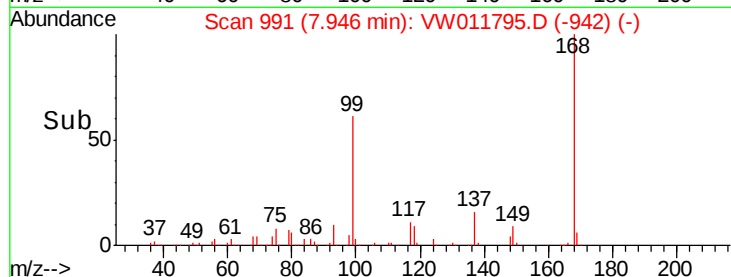
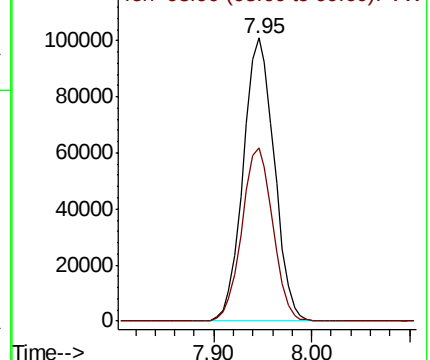
168 100

99 61.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.129 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW011795.D

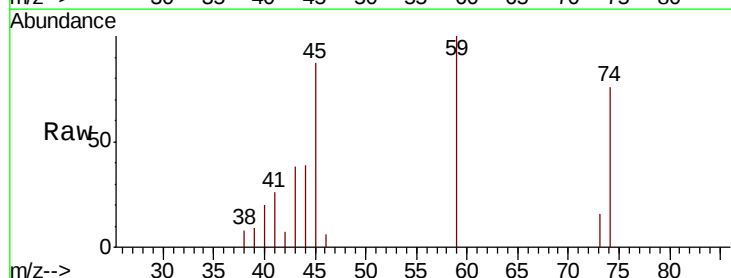
Acq: 09 Aug 2019 03:39

Tgt Ion: 74 Resp: 1478

Ion Ratio Lower Upper

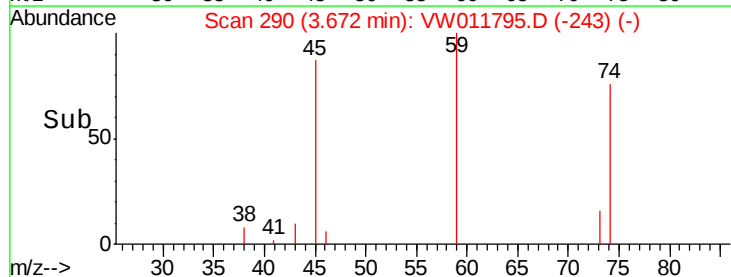
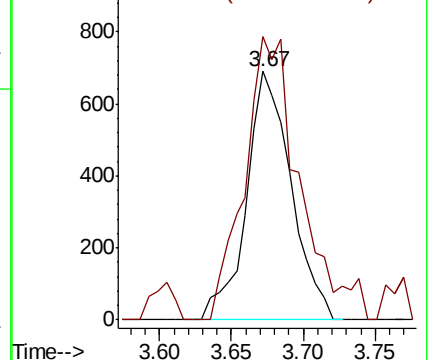
74 100

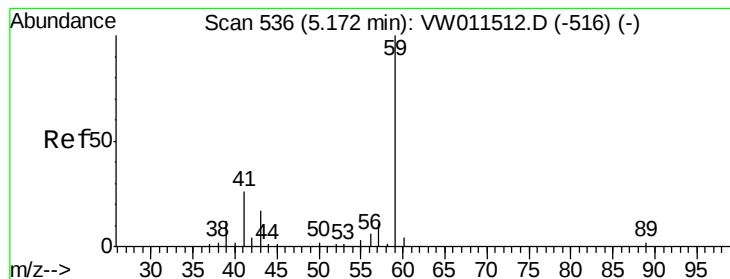
45 142.1 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.05 min

Lab File: VW011795.D

Acq: 09 Aug 2019 03:39

Instrument :

MSVOA_W

ClientSampled :

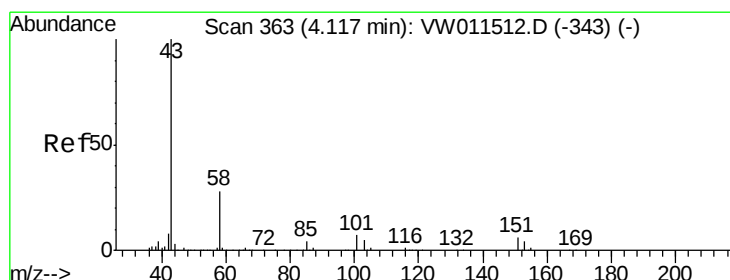
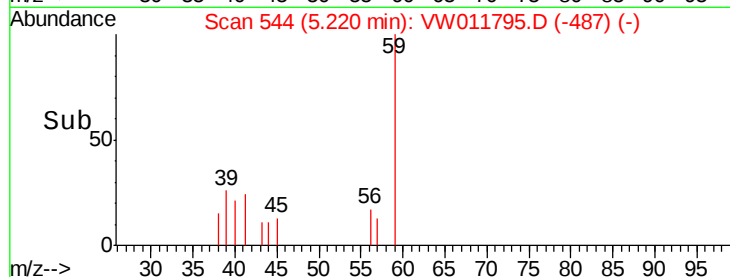
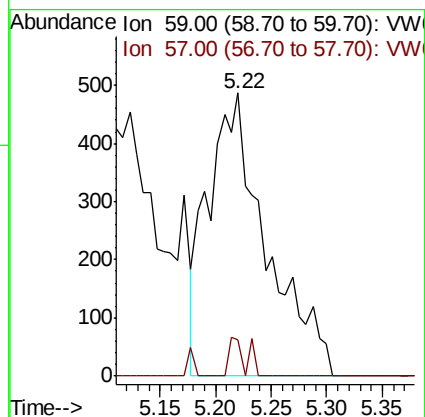
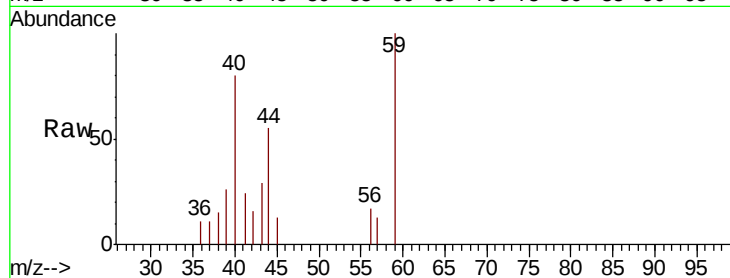
2S-13-(0)

Tgt Ion: 59 Resp: 1765

Ion Ratio Lower Upper

59 100

57 4.0 8.5 12.7#



#16

Acetone

Concen: 79.604 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011795.D

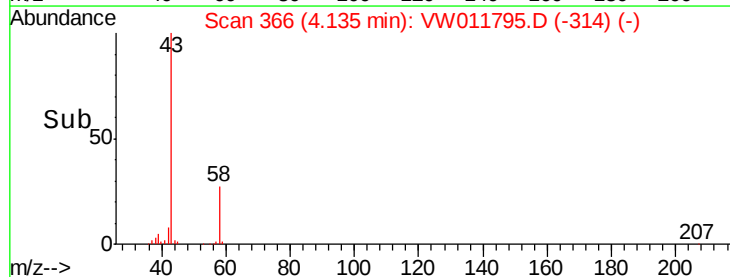
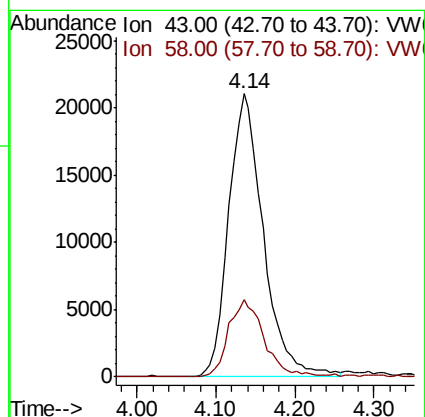
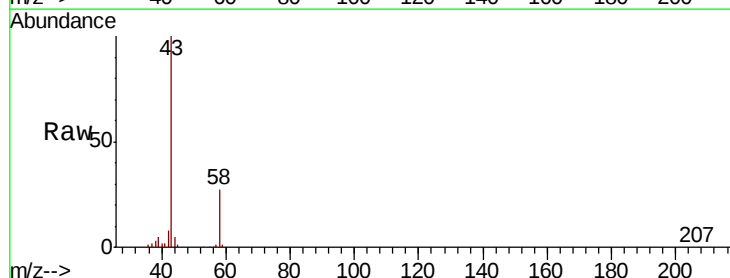
Acq: 09 Aug 2019 03:39

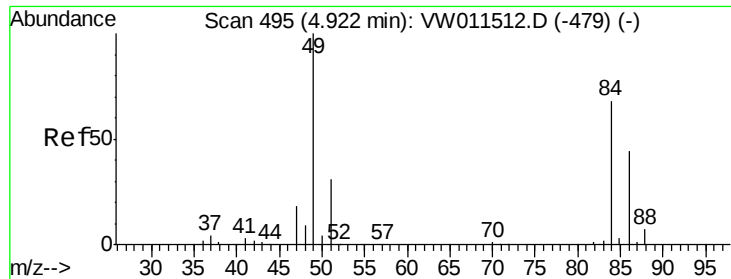
Tgt Ion: 43 Resp: 64547

Ion Ratio Lower Upper

43 100

58 27.3 22.3 33.5

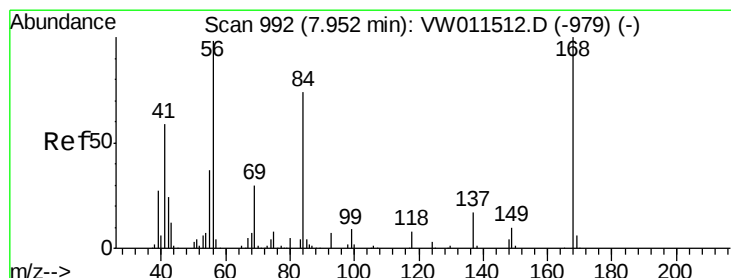
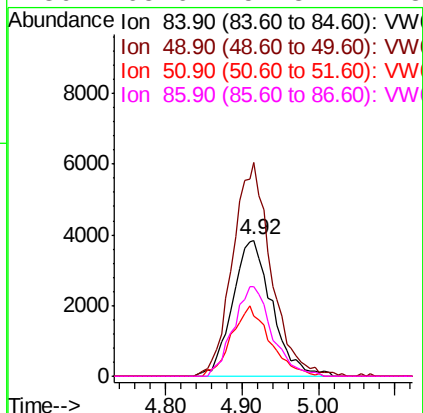
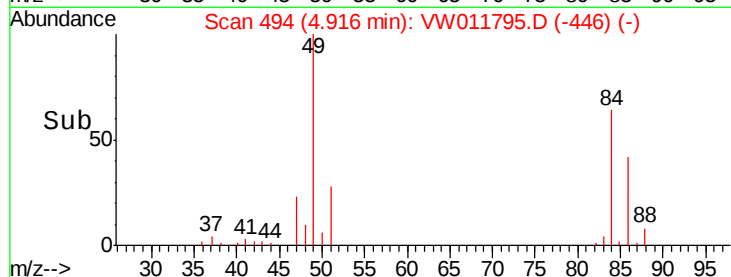
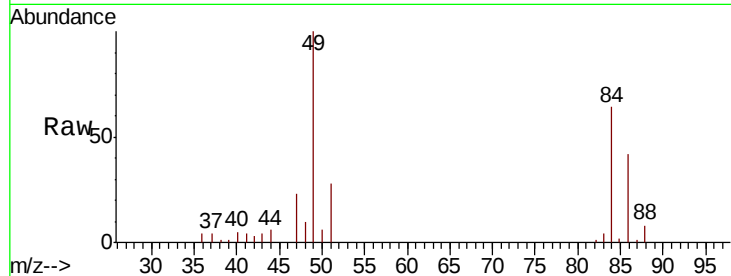




#20
Methylene Chloride
Concen: 4.933 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011795.D
Acq: 09 Aug 2019 03:39

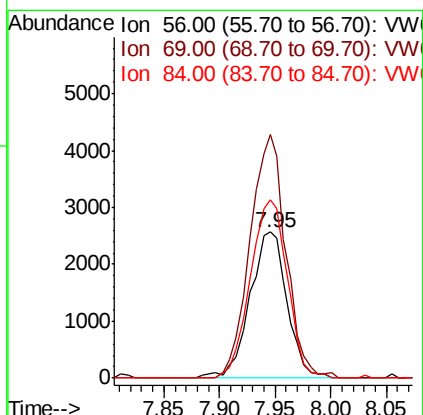
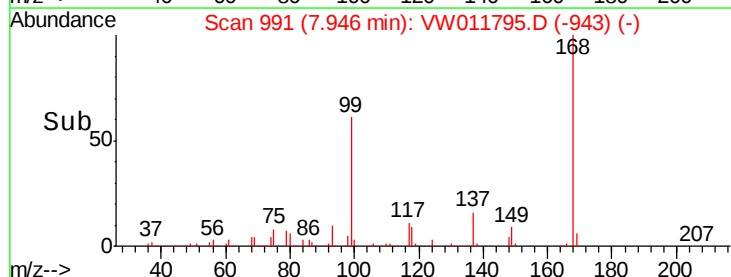
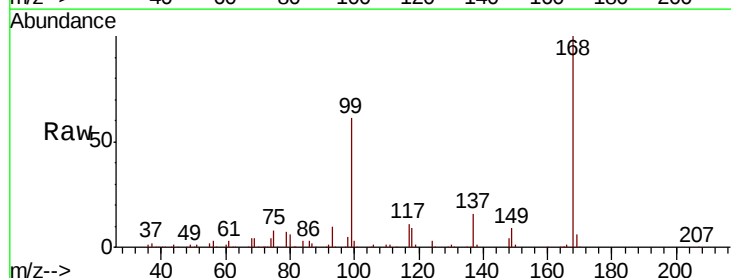
Instrument :
MSVOA_W
ClientSampleId :
2S-13-(0)

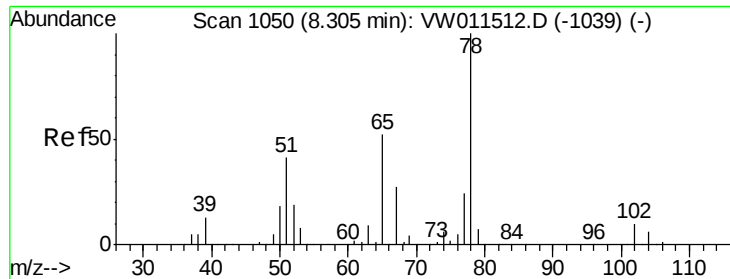
Tgt Ion:	84	Resp:	13795
Ion	Ratio	Lower	Upper
84	100		
49	157.1	117.8	176.6
51	44.6	37.0	55.4
86	65.6	51.8	77.8



#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011795.D
Acq: 09 Aug 2019 03:39

Tgt Ion:	56	Resp:	5965
Ion	Ratio	Lower	Upper
56	100		
69	166.4	24.3	36.5#
84	121.7	60.4	90.6#

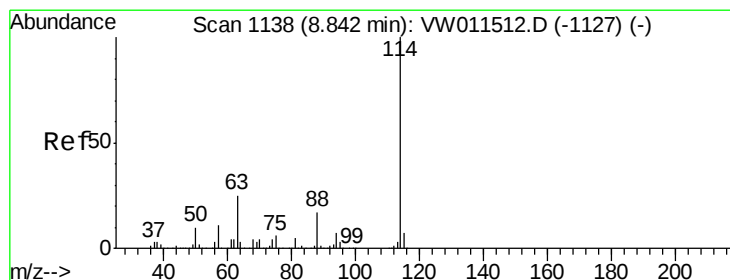
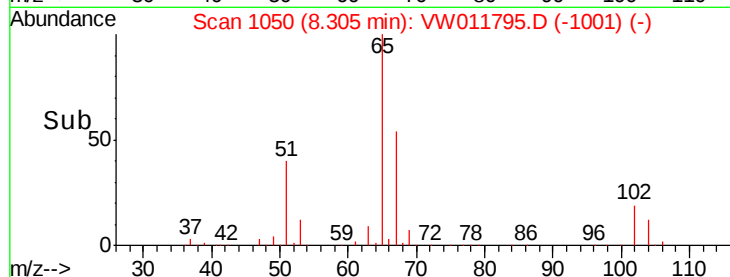
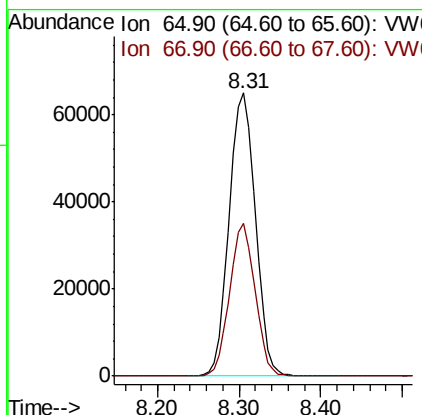
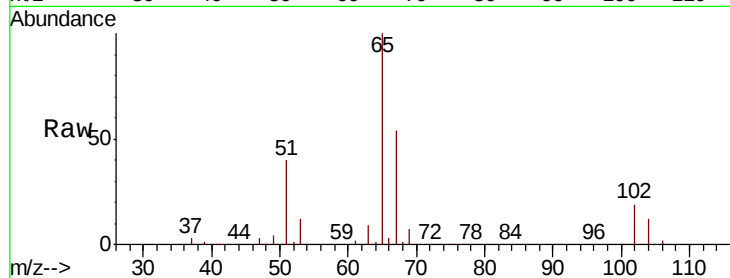




#33
 1,2-Dichloroethane-d4
 Concen: 56.687 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011795.D
 Acq: 09 Aug 2019 03:39

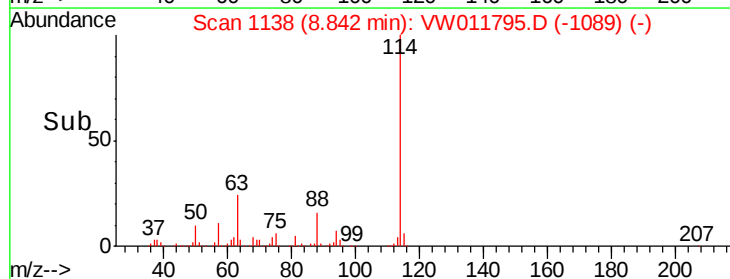
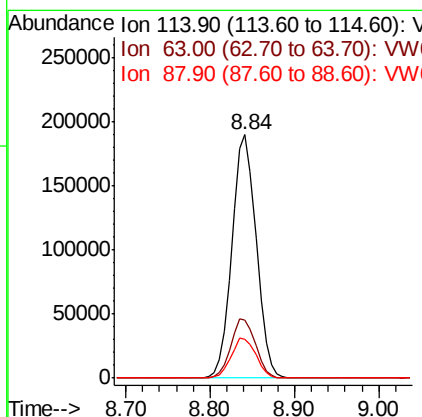
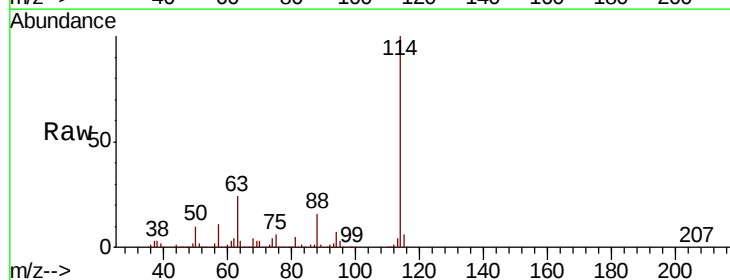
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-13-(0)

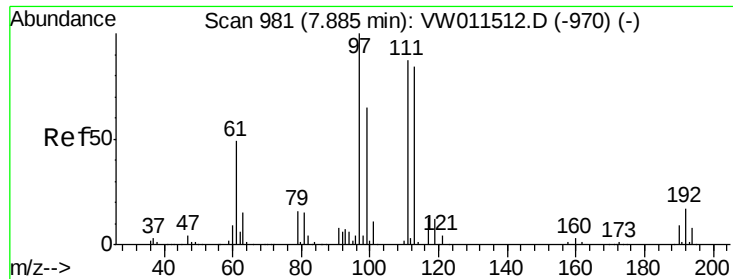
Tgt Ion: 65 Resp: 144499
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011795.D
 Acq: 09 Aug 2019 03:39

Tgt Ion: 114 Resp: 369726
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 16.0 0.0 33.8

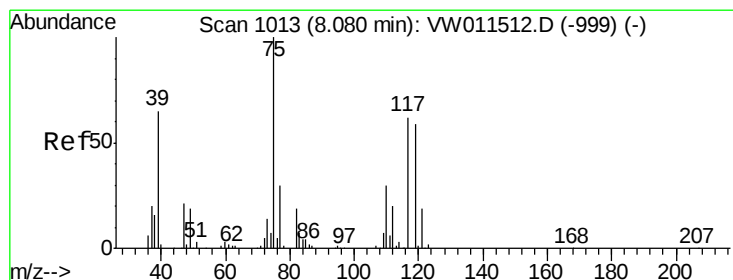
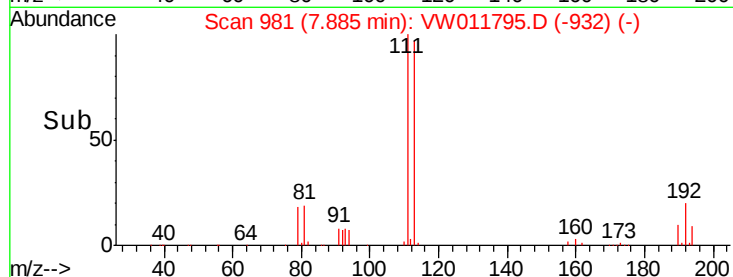
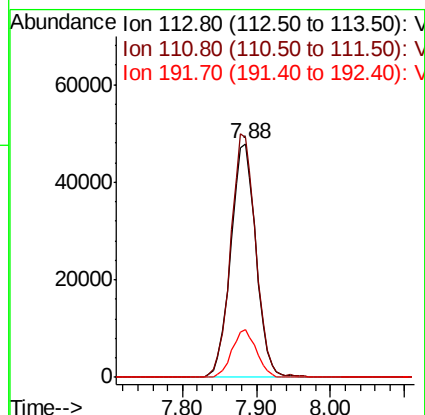
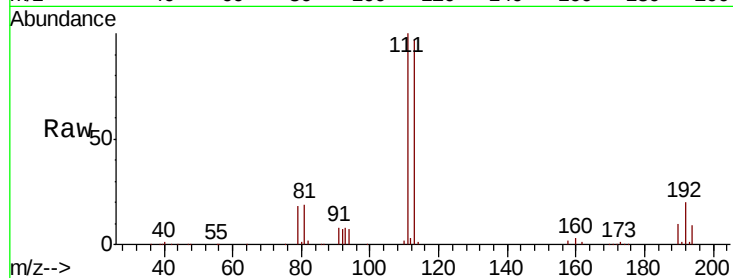




#35
 Dibromofluoromethane
 Concen: 54.649 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011795.D
 Acq: 09 Aug 2019 03:39

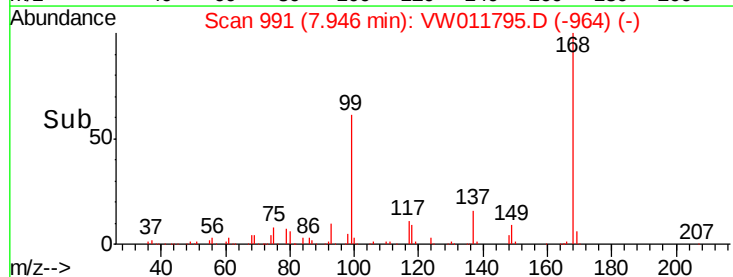
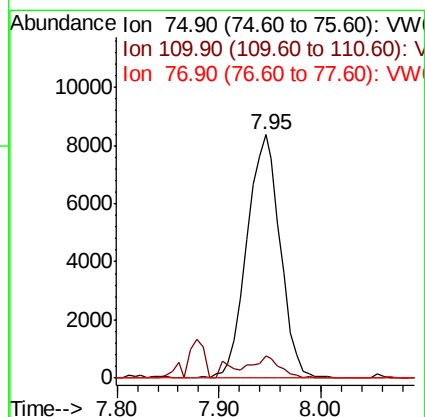
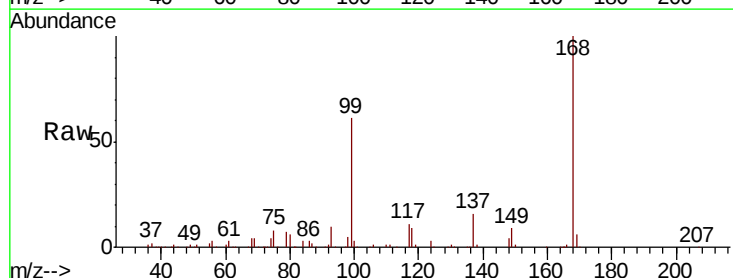
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-13-(0)

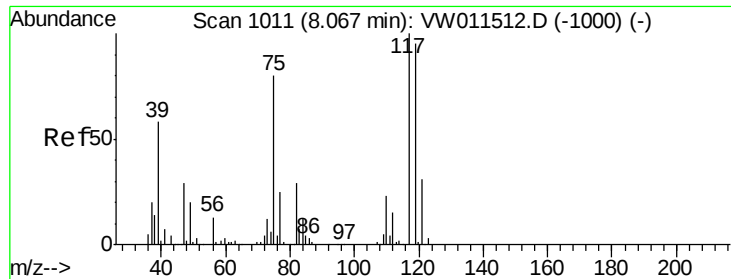
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.7	124.1
192	20.0	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.933 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011795.D
 Acq: 09 Aug 2019 03:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.6	46.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.850 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011795.D

Acq: 09 Aug 2019 03:39

Instrument :

MSVOA_W

ClientSampleId :

2S-13-(0)

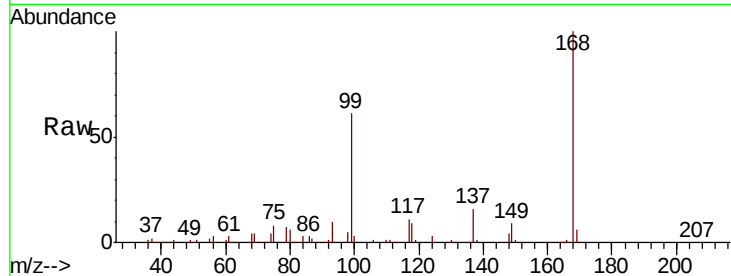
Tgt Ion:117 Resp: 22545

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

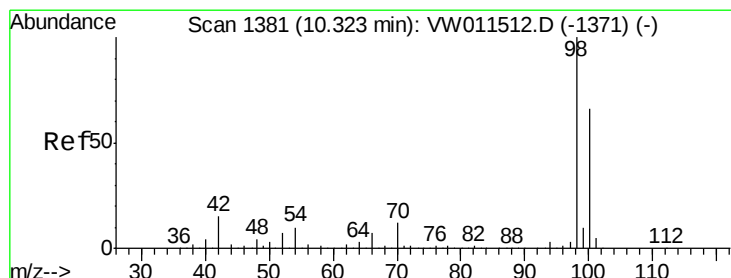
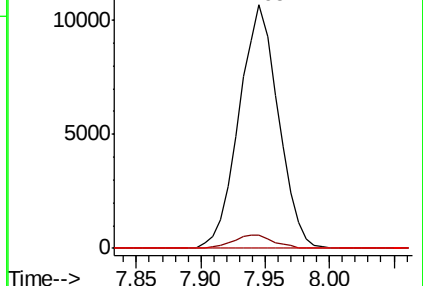
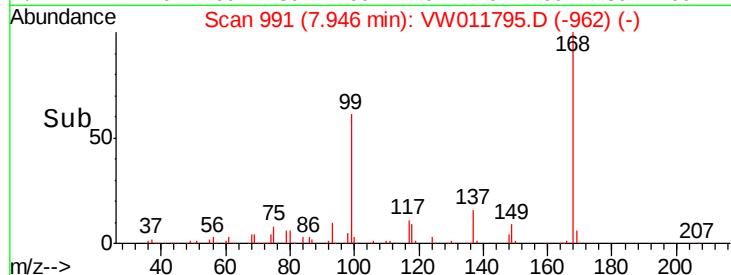
121 0.0 24.7 37.1#



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: 53.329 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011795.D

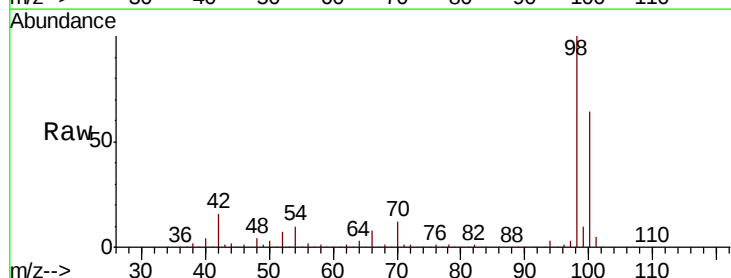
Acq: 09 Aug 2019 03:39

Tgt Ion: 98 Resp: 452899

Ion Ratio Lower Upper

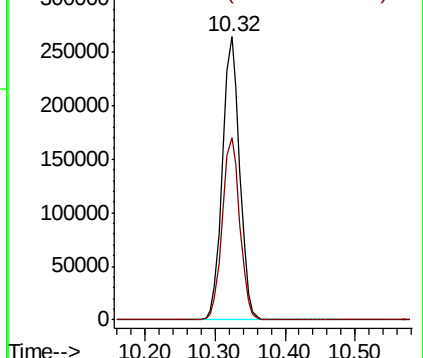
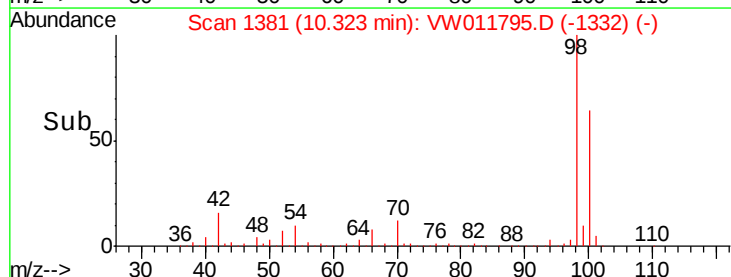
98 100

100 65.3 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: 45.703 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011795.D

Acq: 09 Aug 2019 03:39

Instrument :

MSVOA_W

ClientSampled :

2S-13-(0)

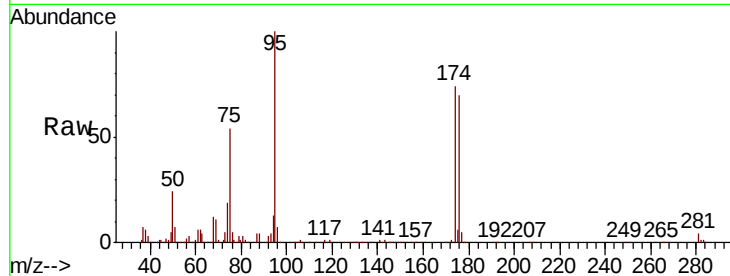
Tgt Ion: 95 Resp: 138377

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

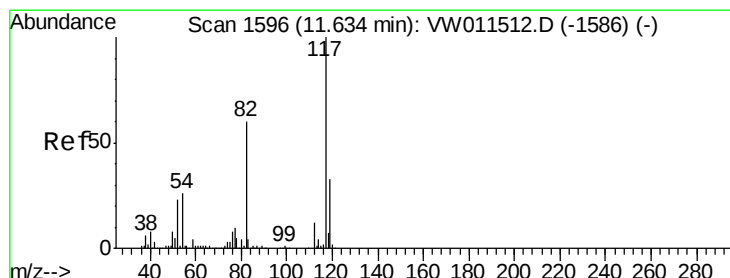
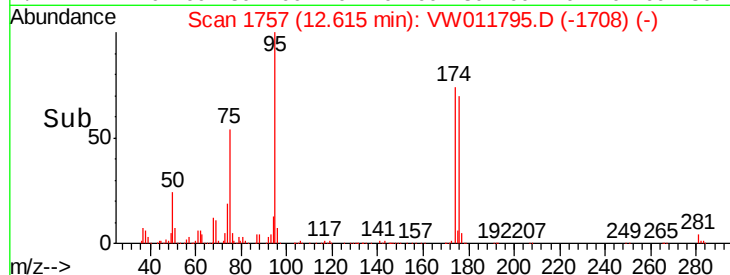
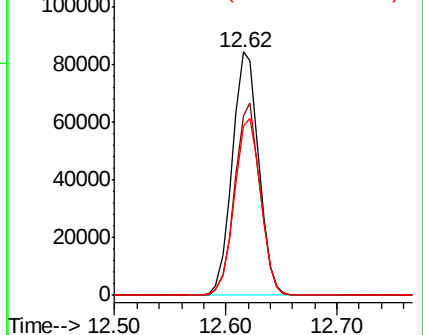
176 72.6 0.0 144.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW011795.D

Acq: 09 Aug 2019 03:39

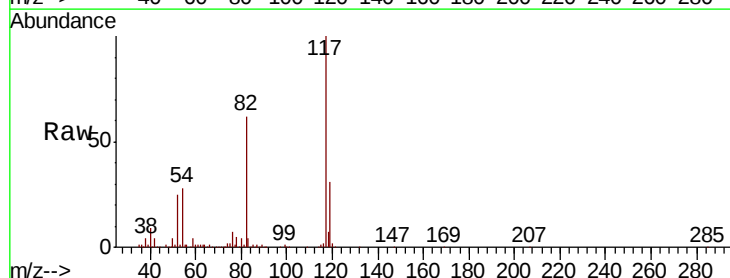
Tgt Ion: 117 Resp: 303449

Ion Ratio Lower Upper

117 100

82 62.4 47.9 71.9

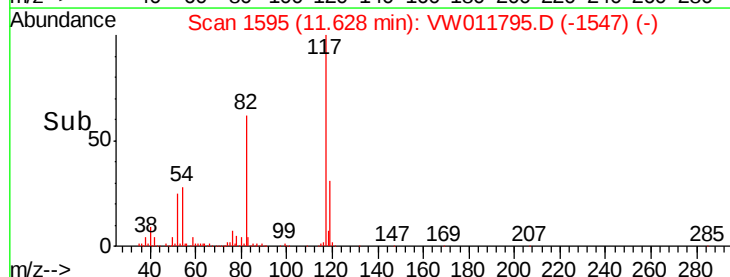
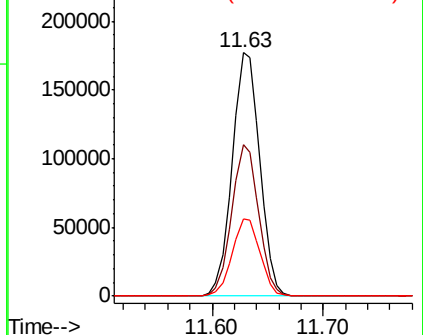
119 31.4 26.2 39.2

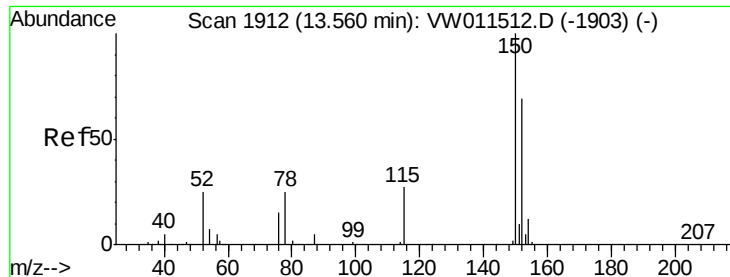


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011795.D

Acq: 09 Aug 2019 03:39

Instrument :

MSVOA_W

ClientSampleId :

2S-13-(0)

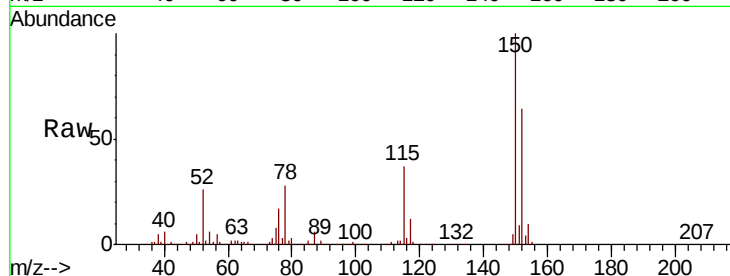
Tgt Ion:152 Resp: 117339

Ion Ratio Lower Upper

152 100

115 59.5 30.5 91.5

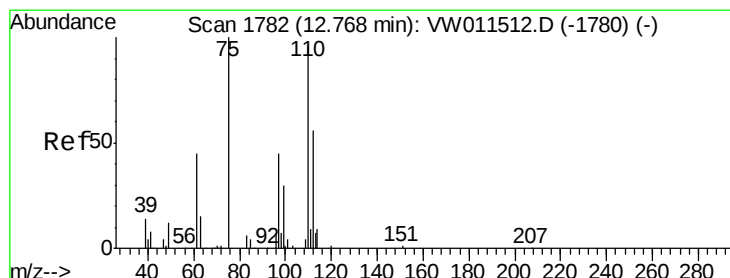
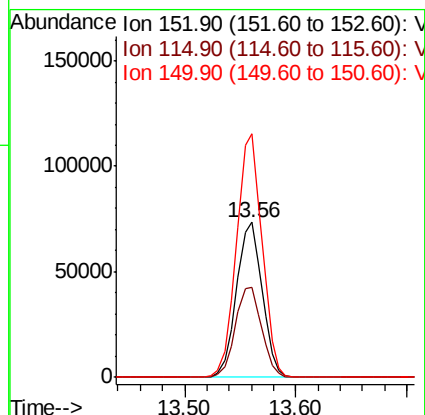
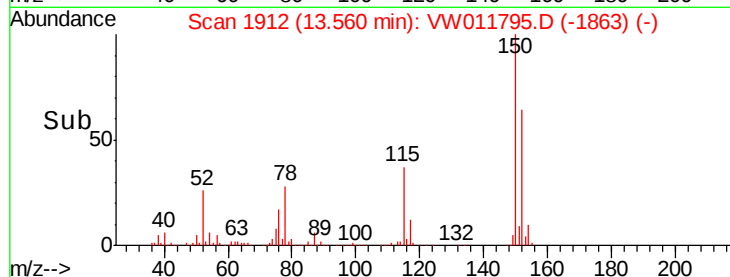
150 156.3 0.0 352.6



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: 59.653 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011795.D

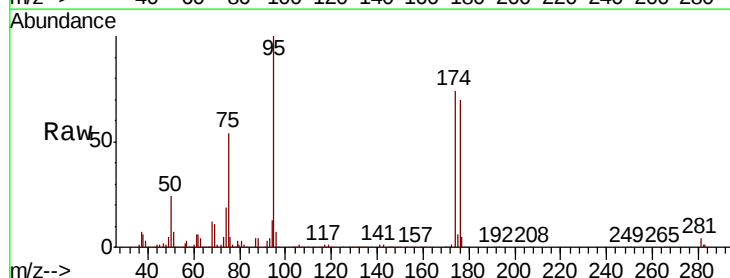
Acq: 09 Aug 2019 03:39

Tgt Ion: 75 Resp: 74064

Ion Ratio Lower Upper

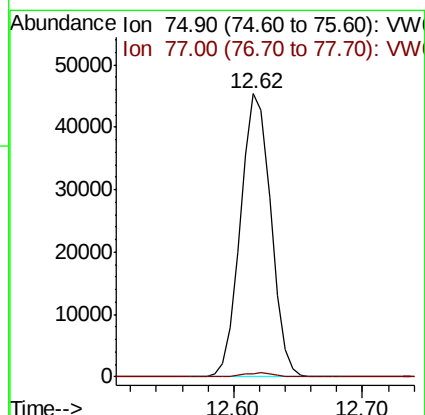
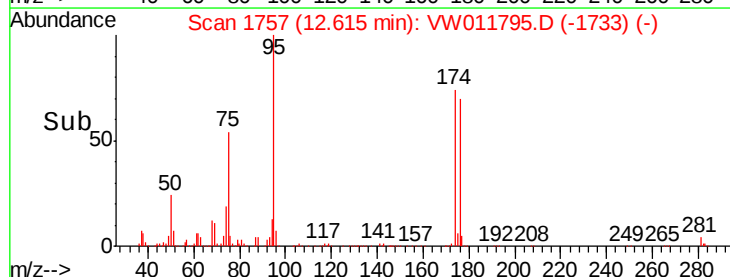
75 100

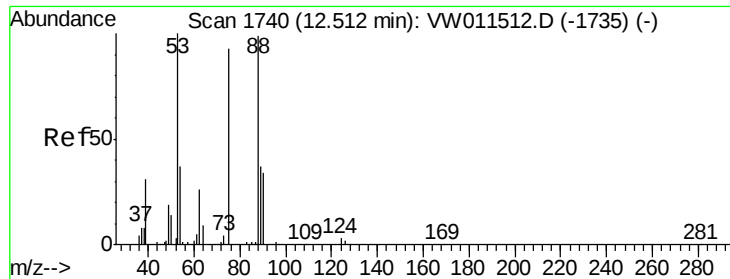
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

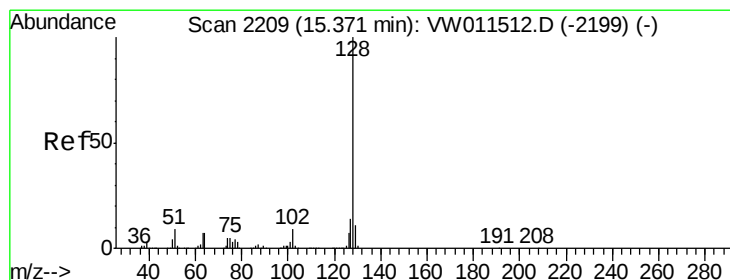
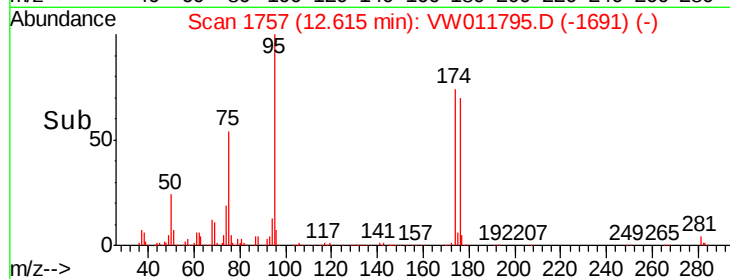
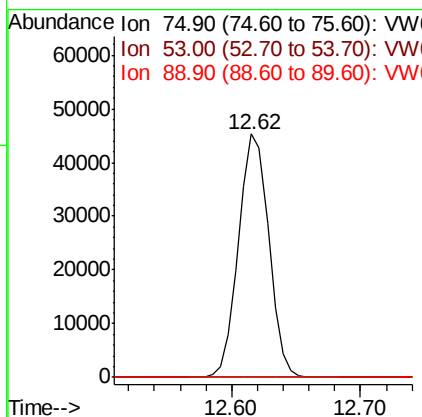
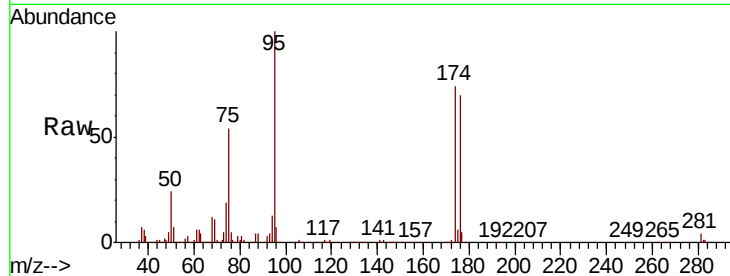




#81
trans-1,4-Dichloro-2-butene
Concen: 137.479 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011795.D
Acq: 09 Aug 2019 03:39

Instrument :
MSVOA_W
ClientSampleId :
2S-13-(0)

Tgt Ion: 75 Resp: 74064
Ion Ratio Lower Upper
75 100
53 0.2 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.200 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011795.D
Acq: 09 Aug 2019 03:39

Tgt Ion: 128 Resp: 649
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 7.6 8.6 13.0#

