

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102419\
 Data File : VW013727.D
 Acq On : 24 Oct 2019 22:22
 Operator : SY/VA
 Sample : K5499-06RE
 Misc : 4.45G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 195-42-(1)RE

Quant Time: Oct 25 08:01:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	142093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	199502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	149455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47589	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	58272	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
35) Dibromofluoromethane	7.88	113	59198	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
50) Toluene-d8	10.32	98	222658	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.62	95	55406	36.23	ug/l	0.00
Spiked Amount			Recovery	=	72.46%	

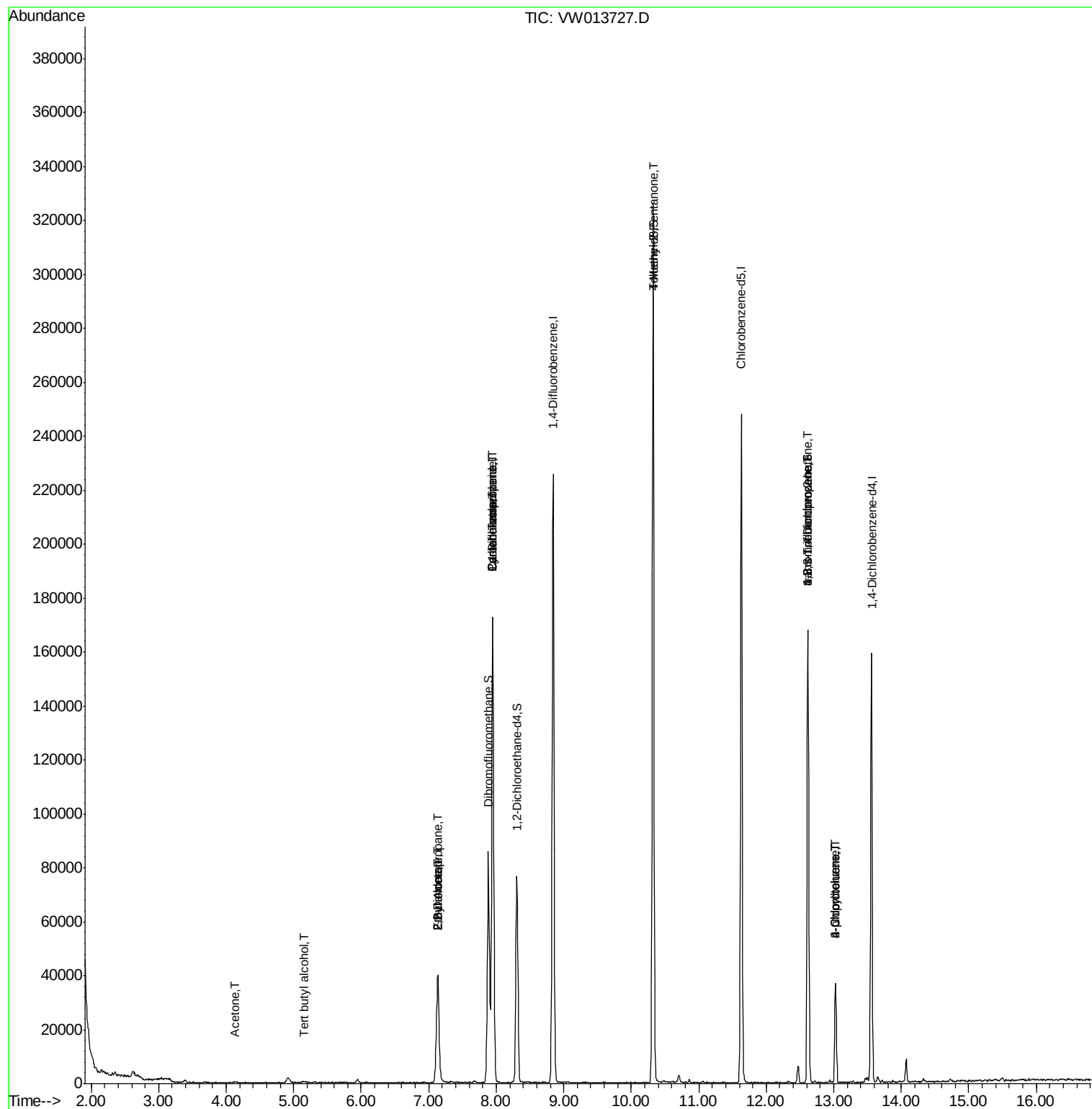
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	843	13.248	ug/l #	71
16) Acetone	4.13	43	453	2.004	ug/l #	63
20) Methylene Chloride	4.93	84	1321	Below Cal	#	69
25) 2-Butanone	7.13	43	1909	5.875	ug/l #	68
26) 2,2-Dichloropropane	7.13	77	2961	2.262	ug/l #	49
31) Cyclohexane	7.95	56	2479	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9456	5.089	ug/l #	48
37) Ethyl Acetate	7.13	43	1909	2.684	ug/l #	1
38) Carbon Tetrachloride	7.95	117	12305	7.355	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1042	1.540	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	25287	73.991	ug/l #	100
78) n-propylbenzene	13.02	91	4730	1.196	ug/l #	51
79) 2-Chlorotoluene	13.02	91	4730	2.128	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.62	75	25287	139.834	ug/l #	14
82) 4-Chlorotoluene	13.02	91	4730	2.027	ug/l #	40

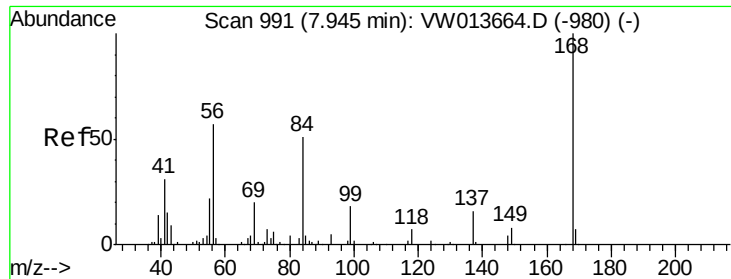
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013727.D

Acq: 24 Oct 2019 22:22

Instrument :

MSVOA_W

ClientSampled :

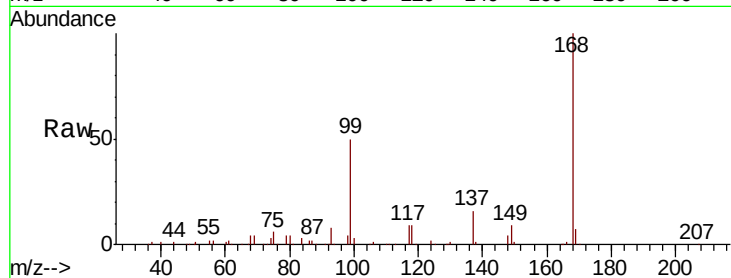
195-42-(1)RE

Tot Ion:168 Resp: 142093

Ion Ratio Lower Upper

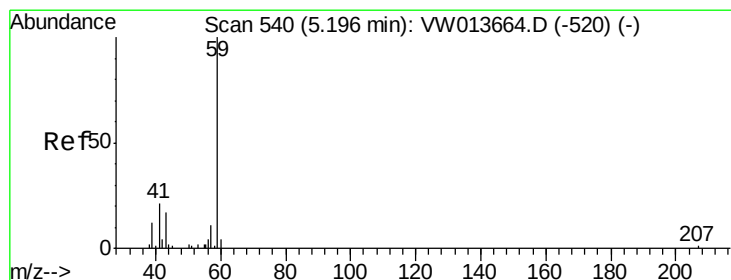
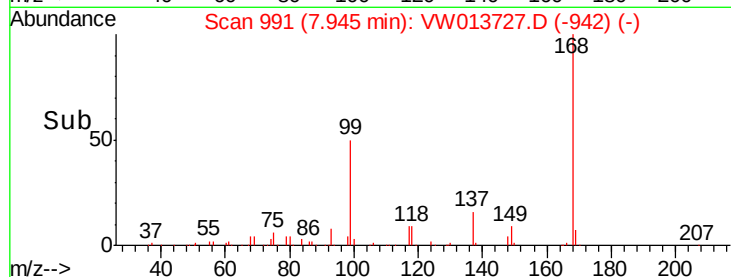
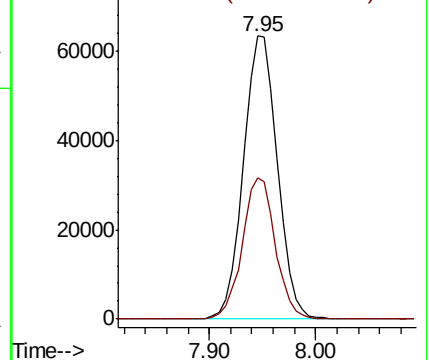
168 100

99 49.8 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 13.248 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW013727.D

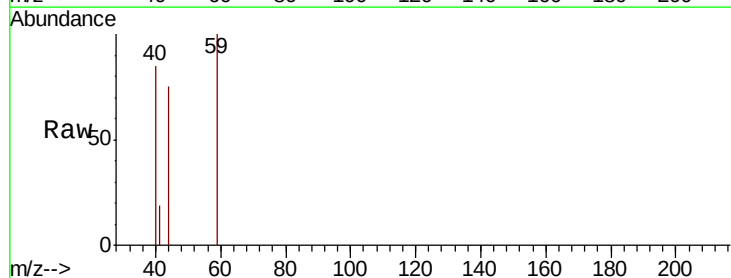
Acq: 24 Oct 2019 22:22

Tgt Ion: 59 Resp: 843

Ion Ratio Lower Upper

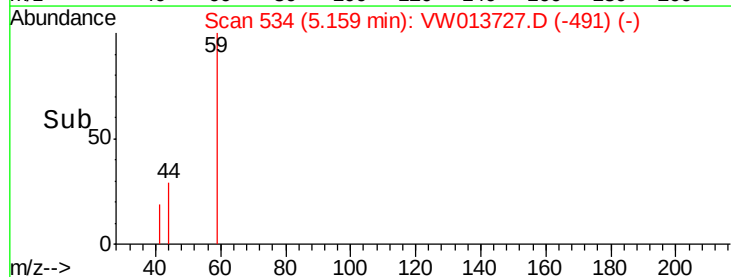
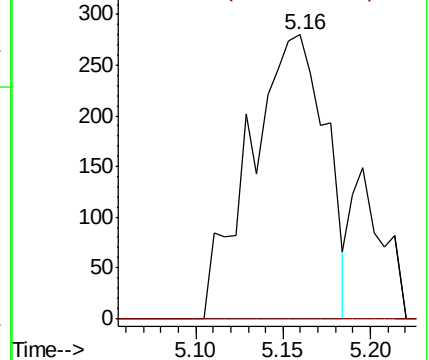
59 100

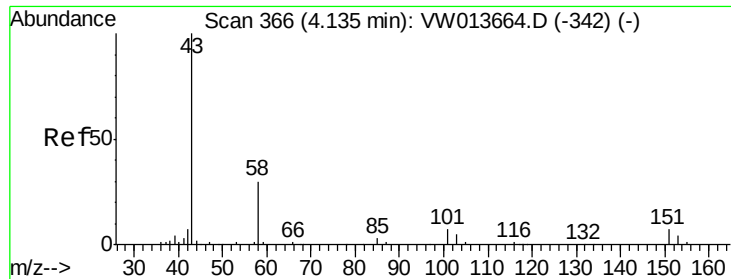
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.004 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013727.D

Acq: 24 Oct 2019 22:22

Instrument :

MSVOA_W

ClientSampleId :

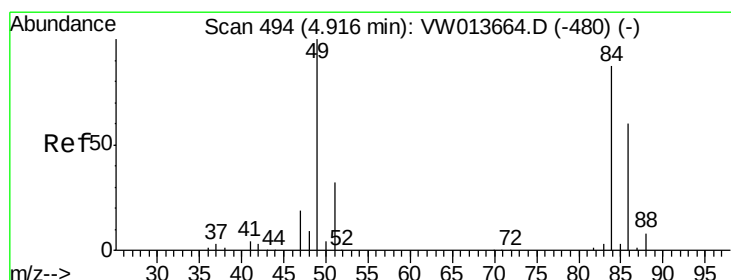
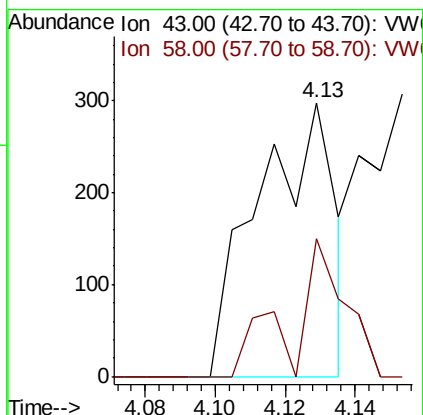
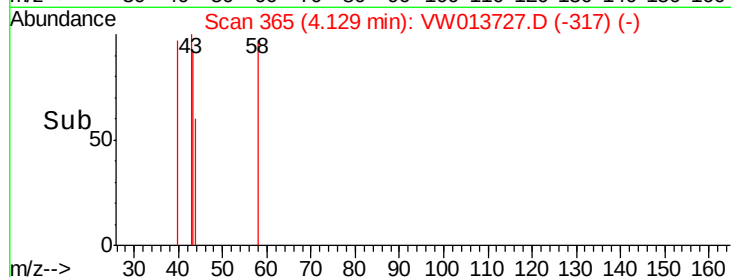
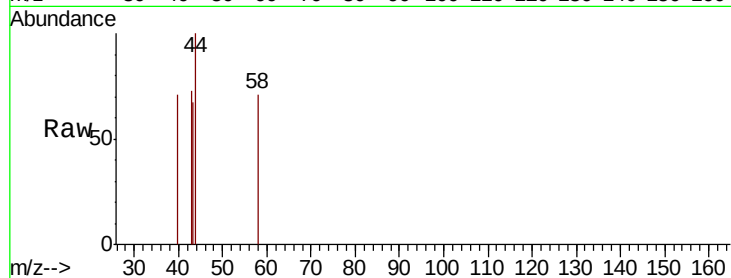
195-42-(1)RE

Tot Ion: 43 Resp: 453

Ion Ratio Lower Upper

43 100

58 50.3 24.1 36.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW013727.D

Acq: 24 Oct 2019 22:22

Tgt Ion: 84 Resp: 1321

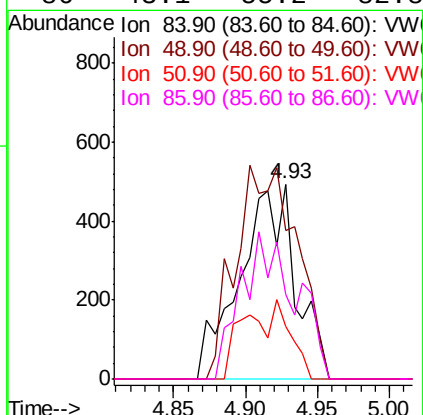
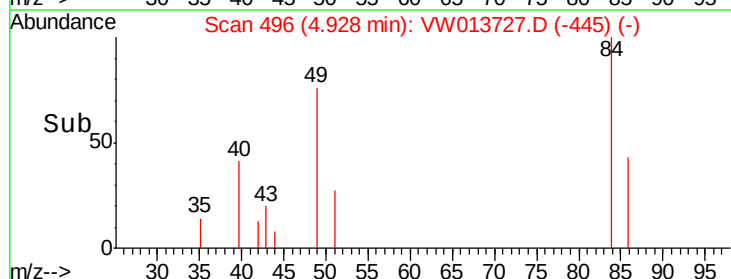
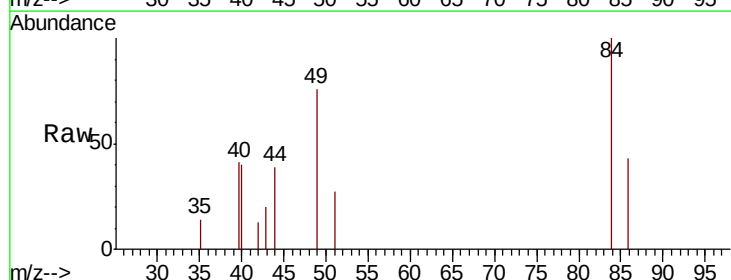
Ion Ratio Lower Upper

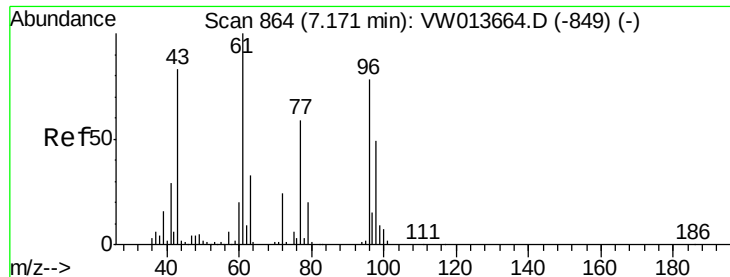
84 100

49 75.9 91.8 137.6#

51 27.1 29.8 44.6#

86 43.1 55.2 82.8#





#25

2-Butanone

Concen: 5.875 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013727.D

Acq: 24 Oct 2019 22:22

Instrument :

MSVOA_W

ClientSampleId :

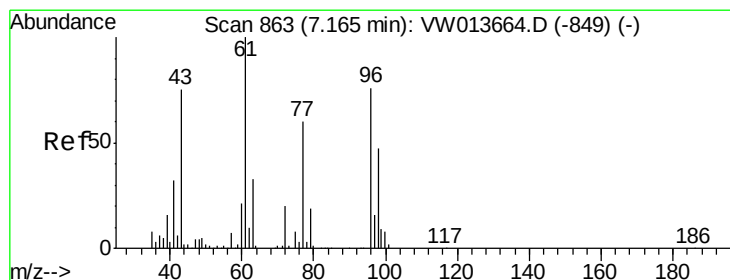
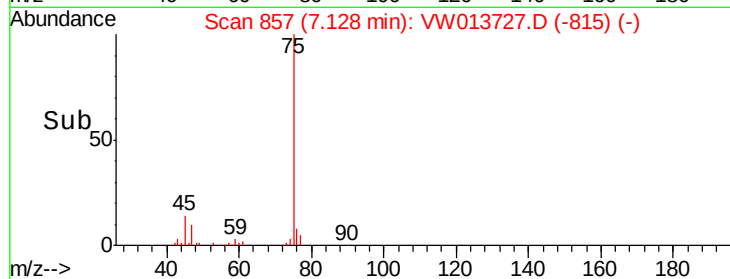
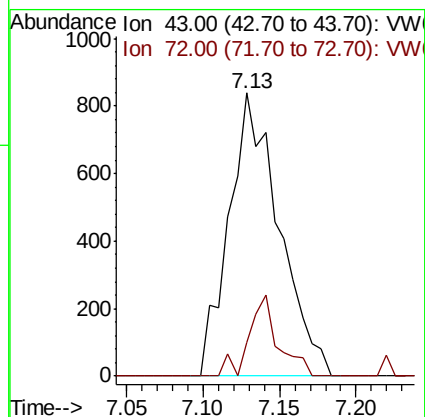
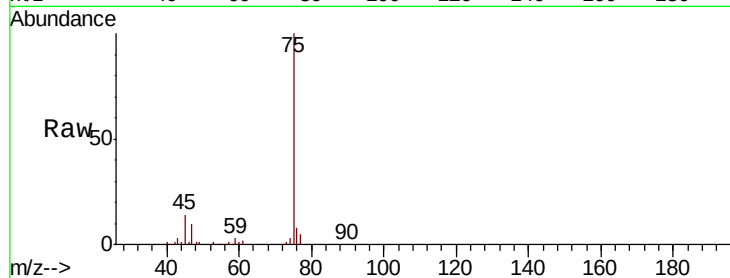
195-42-(1)RE

Tot Ion: 43 Resp: 1909

Ion Ratio Lower Upper

43 100

72 12.1 23.6 35.4#



#26

2,2-Dichloropropane

Concen: 2.262 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013727.D

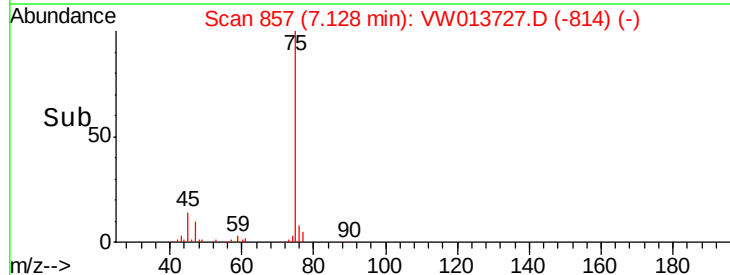
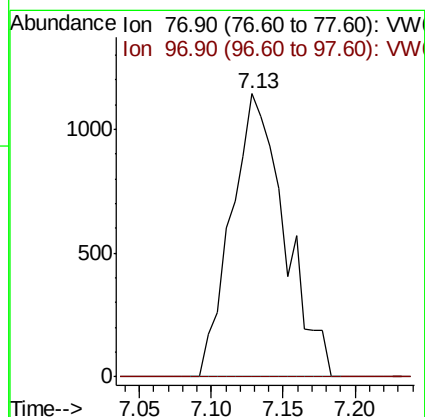
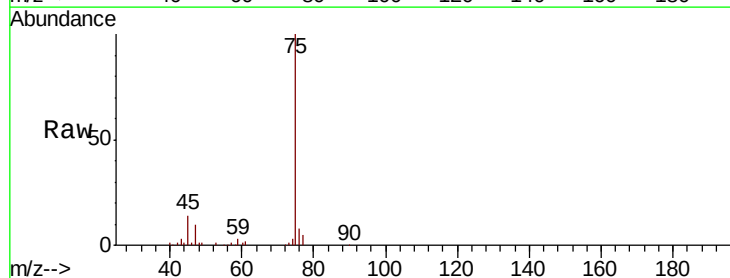
Acq: 24 Oct 2019 22:22

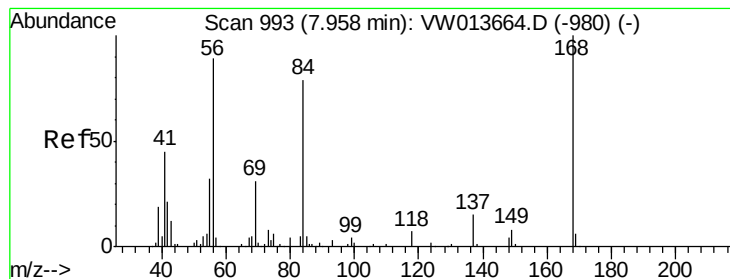
Tgt Ion: 77 Resp: 2961

Ion Ratio Lower Upper

77 100

97 0.0 12.8 38.4#





#31

Cyclohexane

Concen: 1.046 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013727.D

Acq: 24 Oct 2019 22:22

Instrument :

MSVOA_W

ClientSampleId :

195-42-(1)RE

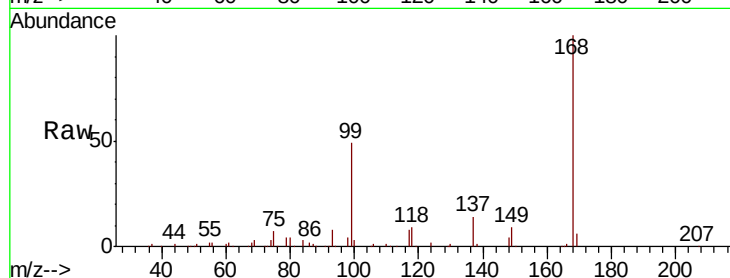
Tot Ion: 56 Resp: 2479

Ion Ratio Lower Upper

56 100

69 160.5 27.5 41.3#

84 149.6 70.8 106.2#

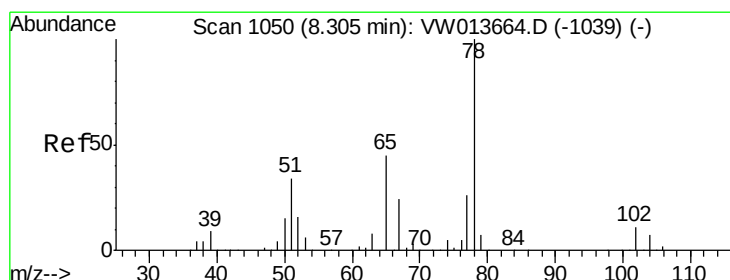
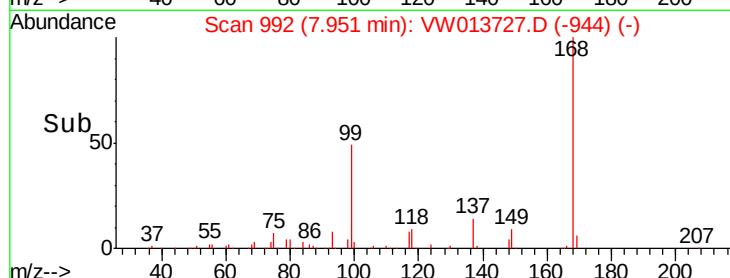
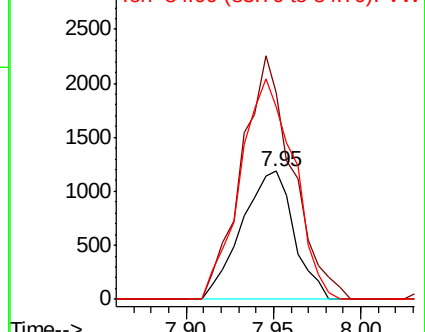


Abundance

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: 54.668 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013727.D

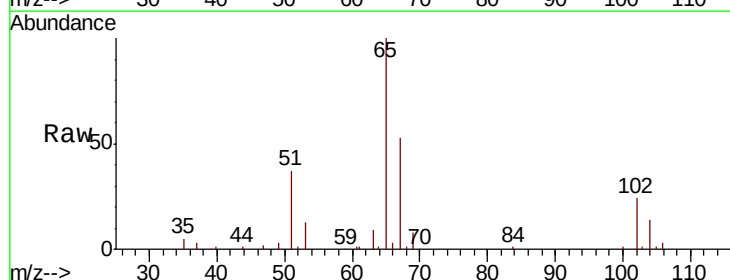
Acq: 24 Oct 2019 22:22

Tgt Ion: 65 Resp: 58272

Ion Ratio Lower Upper

65 100

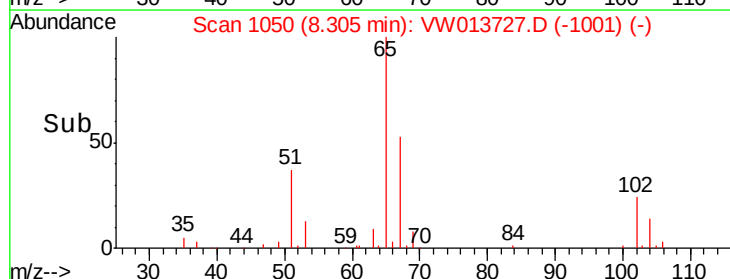
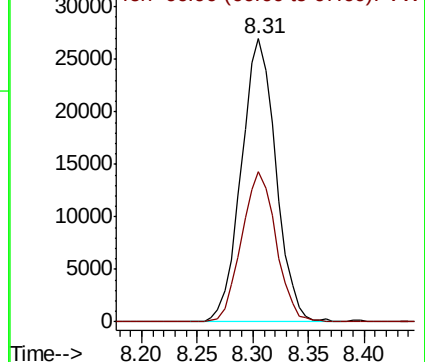
67 52.8 0.0 109.4

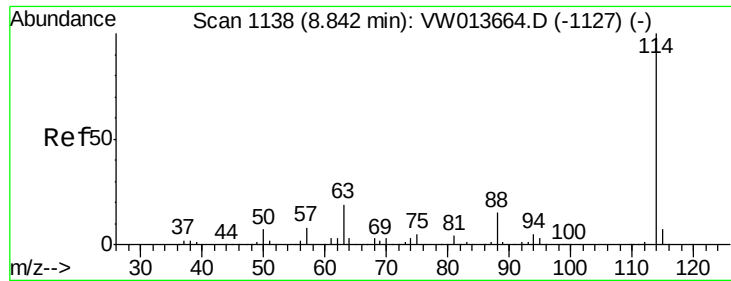


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

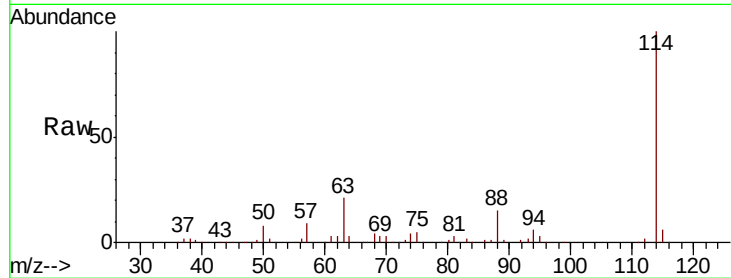




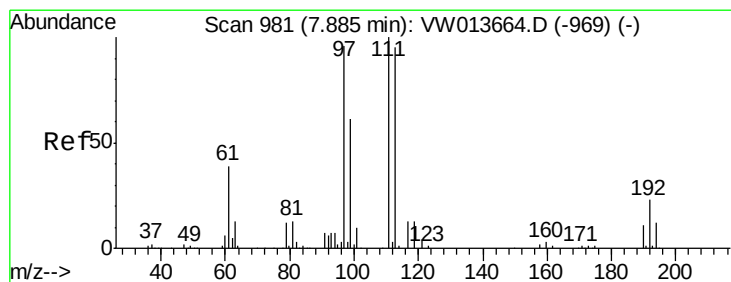
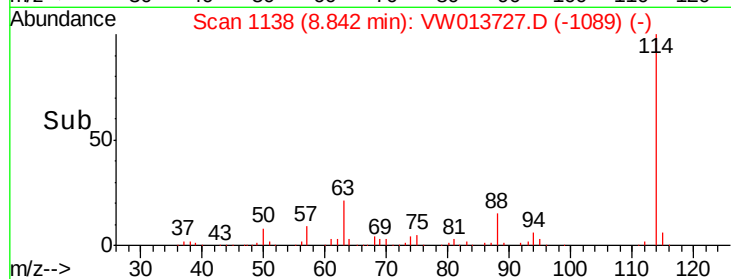
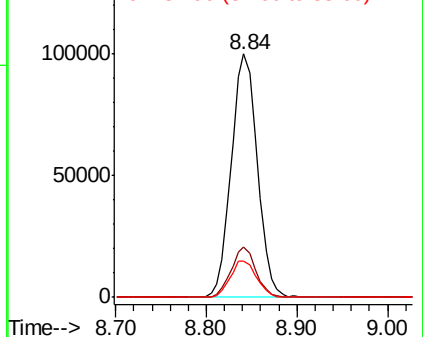
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013727.D
Acq: 24 Oct 2019 22:22

Instrument :
MSVOA_W
ClientSampleId :
195-42-(1)RE

Tot Ion:114 Resp: 199502
Ion Ratio Lower Upper
114 100
63 20.8 0.0 37.6
88 15.1 0.0 30.2

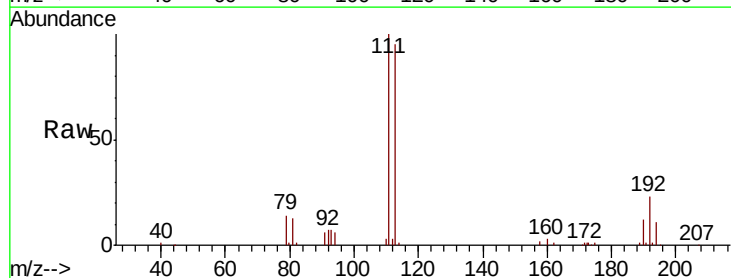


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

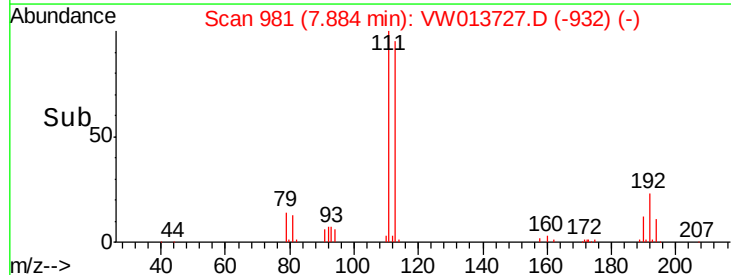
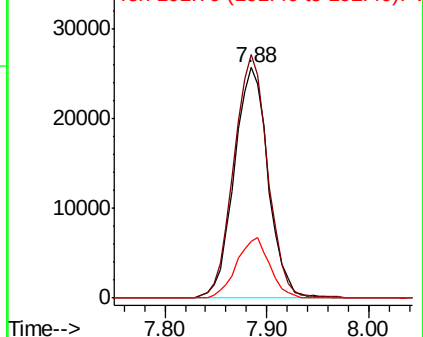


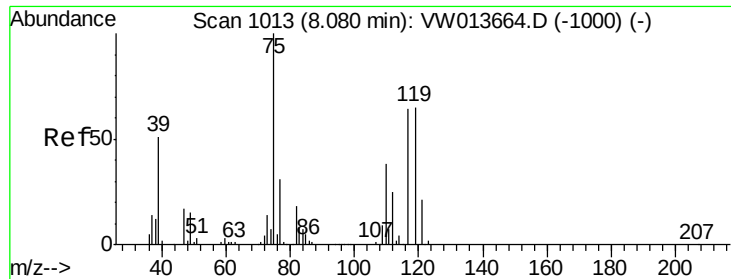
#35
Dibromofluoromethane
Concen: 53.402 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013727.D
Acq: 24 Oct 2019 22:22

Tgt Ion:113 Resp: 59198
Ion Ratio Lower Upper
113 100
111 105.3 83.0 124.6
192 25.6 19.4 29.2



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

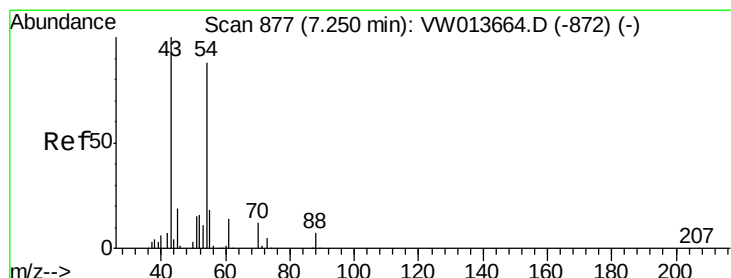
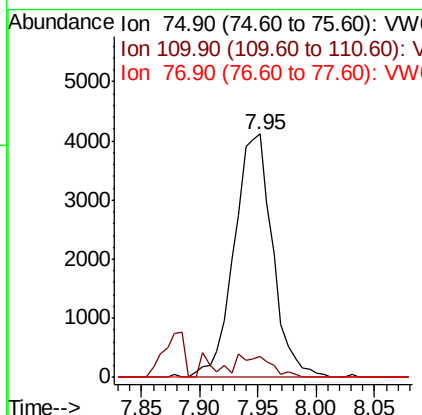
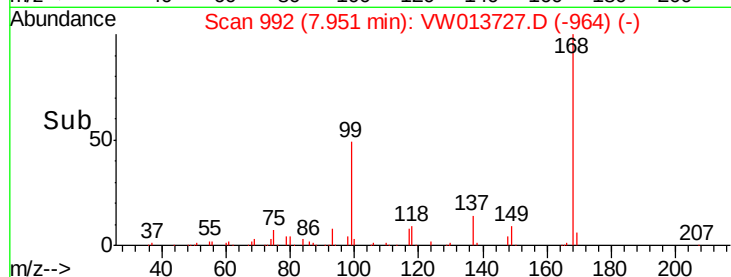
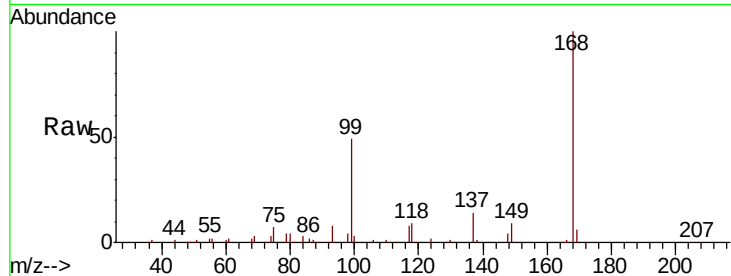




#36
 1,1-Dichloropropene
 Concen: 5.089 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW013727.D
 Acq: 24 Oct 2019 22:22

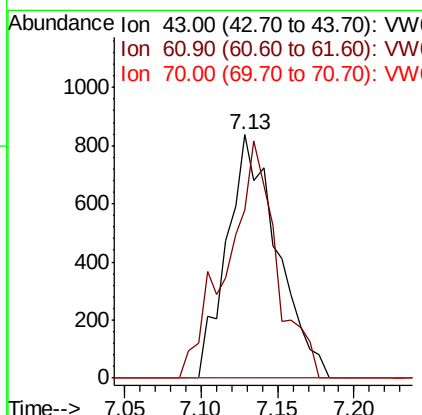
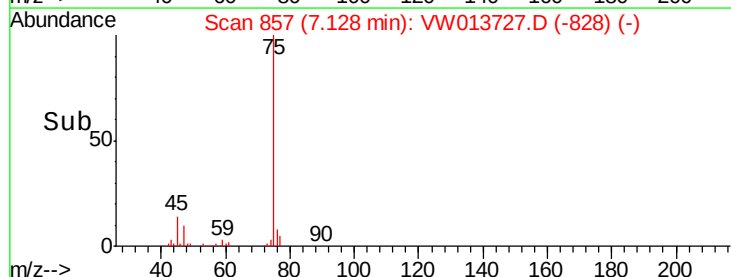
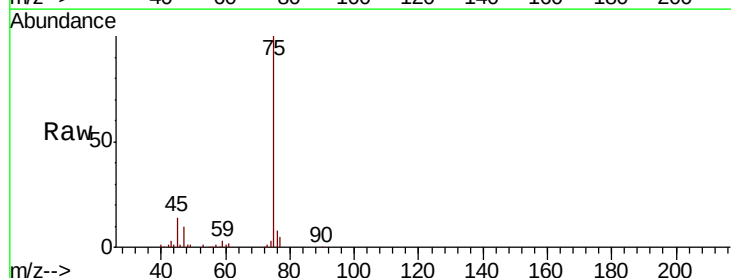
Instrument :
 MSVOA_W
 ClientSampleId :
 195-42-(1)RE

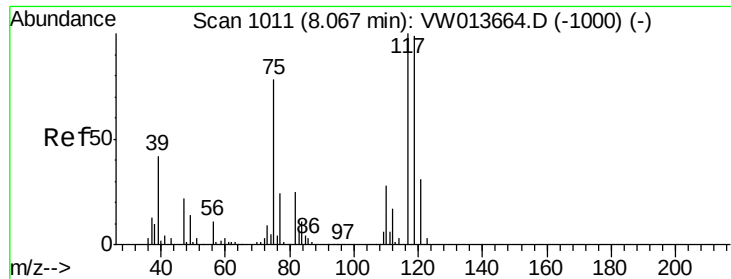
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.7	56.1#
77	0.0	25.4	38.0#



#37
 Ethyl Acetate
 Concen: 2.684 ug/l
 RT: 7.13 min Scan# 857
 Delta R.T. -0.12 min
 Lab File: VW013727.D
 Acq: 24 Oct 2019 22:22

Tgt Ion	Ratio	Lower	Upper
43	100		
61	95.6	11.7	17.5#
70	0.0	8.8	13.2#

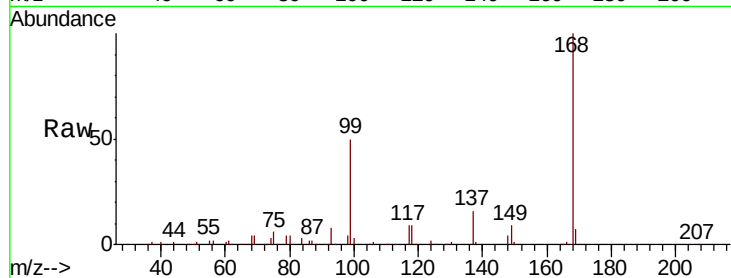




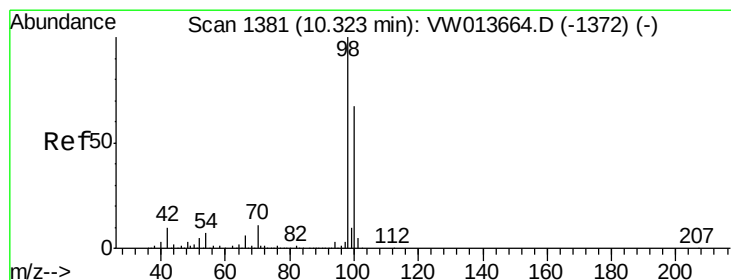
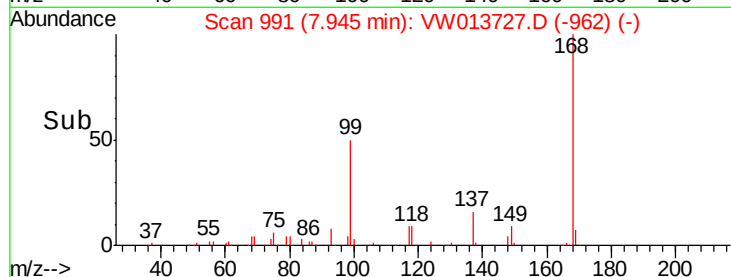
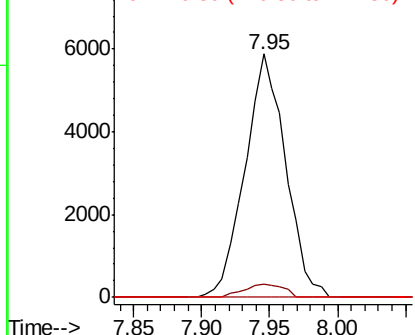
#38
Carbon Tetrachloride
Concen: 7.355 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013727.D
Acq: 24 Oct 2019 22:22

Instrument :
MSVOA_W
ClientSampleId :
195-42-(1)RE

Tot Ion:117 Resp: 12305
Ion Ratio Lower Upper
117 100
119 5.3 79.0 118.4#
121 0.0 24.5 36.7#

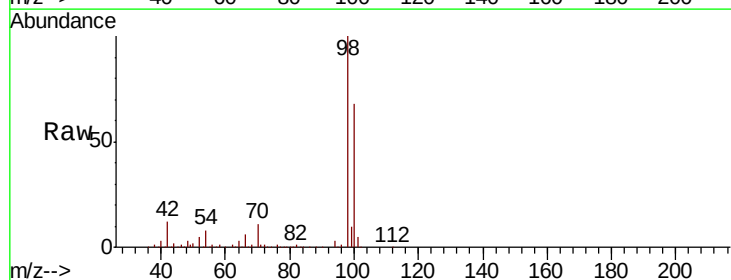


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

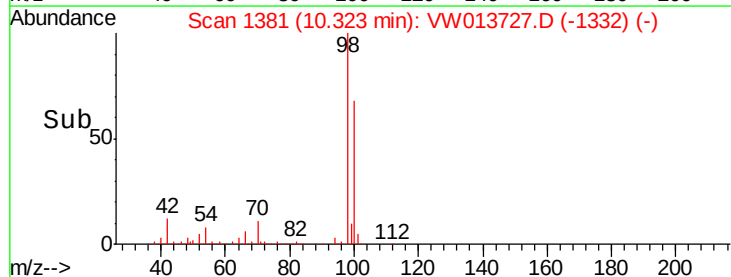
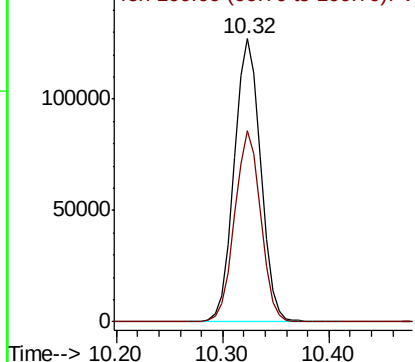


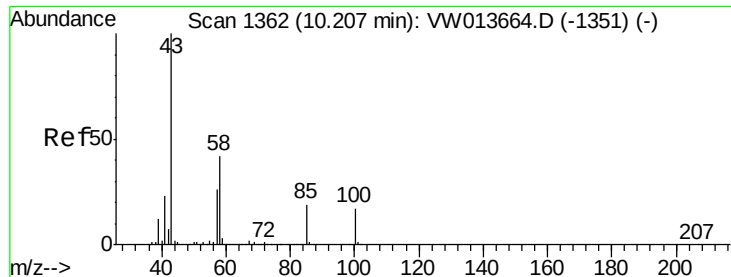
#50
Toluene-d8
Concen: 49.293 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013727.D
Acq: 24 Oct 2019 22:22

Tgt Ion: 98 Resp: 222658
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 1.540 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013727.D

Acq: 24 Oct 2019 22:22

Instrument :

MSVOA_W

ClientSampleId :

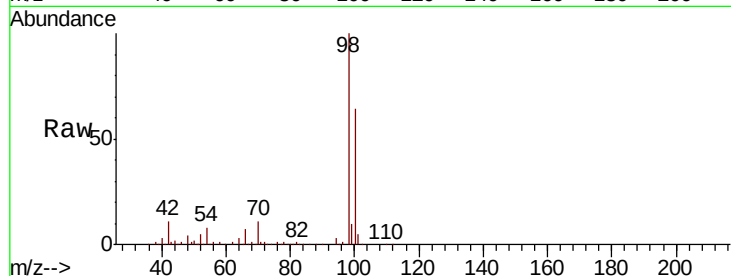
195-42-(1)RE

Tot Ion: 43 Resp: 1042

Ion Ratio Lower Upper

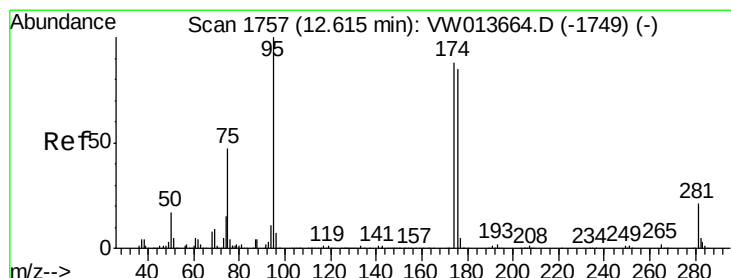
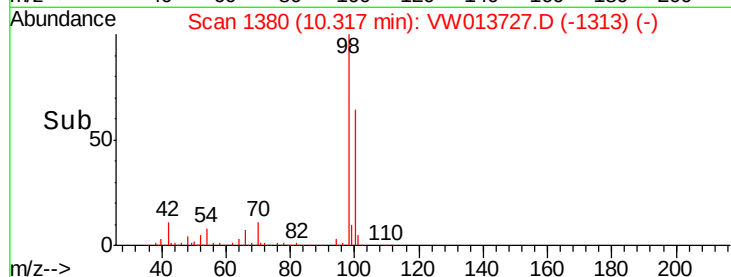
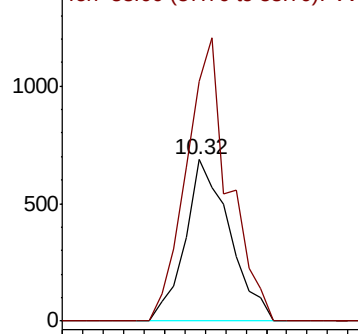
43 100

58 167.4 32.6 49.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 36.225 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013727.D

Acq: 24 Oct 2019 22:22

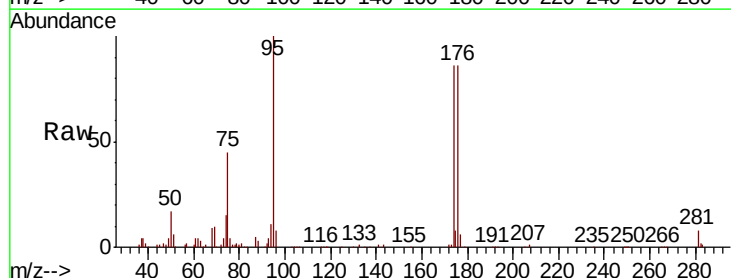
Tgt Ion: 95 Resp: 55406

Ion Ratio Lower Upper

95 100

174 90.0 0.0 183.6

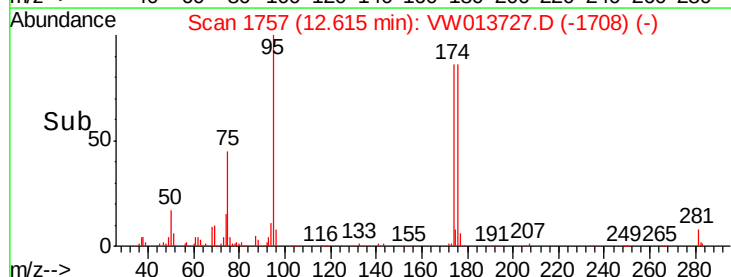
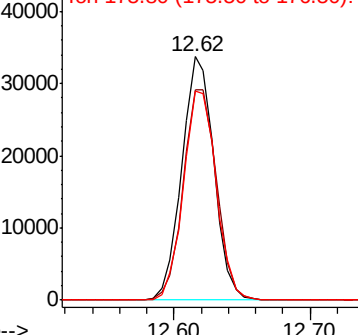
176 87.9 0.0 178.0

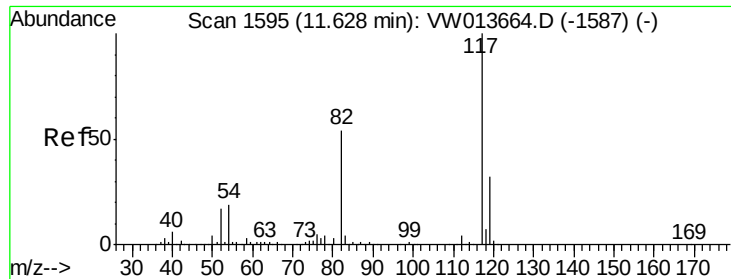


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

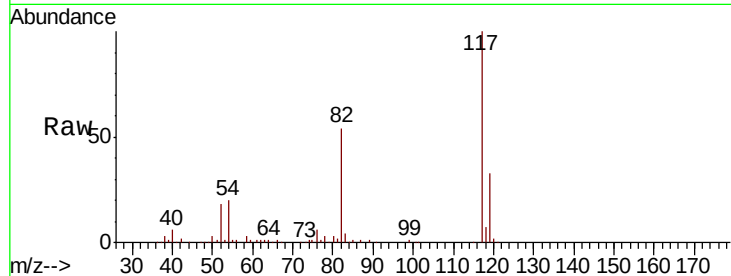




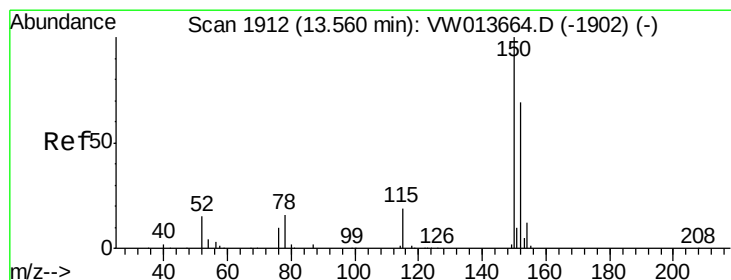
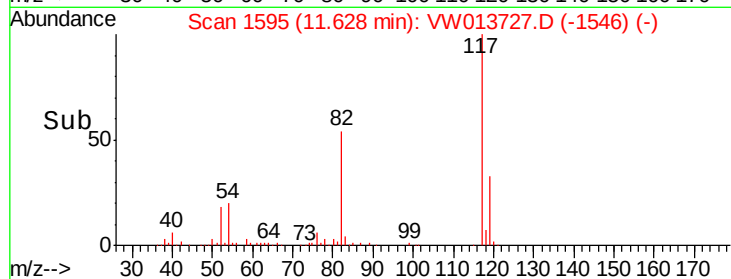
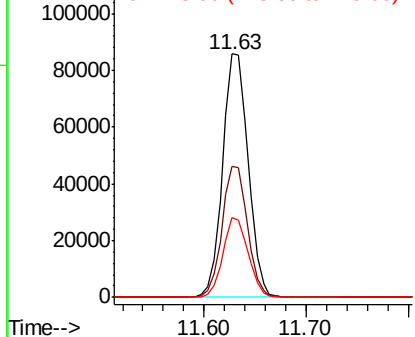
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013727.D
Acq: 24 Oct 2019 22:22

Instrument :
MSVOA_W
ClientSampleId :
195-42-(1)RE

Tot Ion:117 Resp: 149455
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 32.7 25.4 38.2

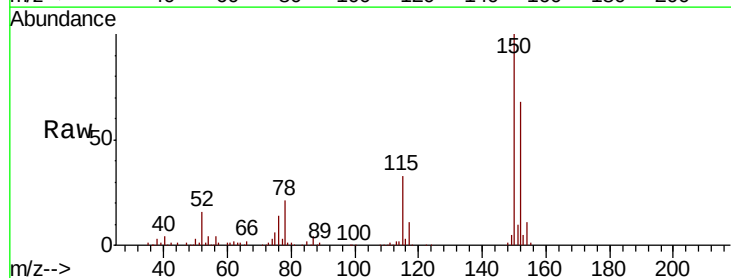


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

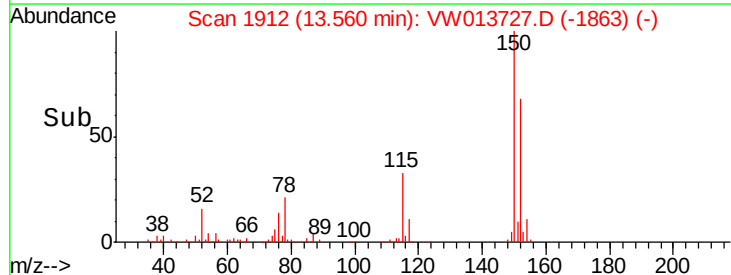
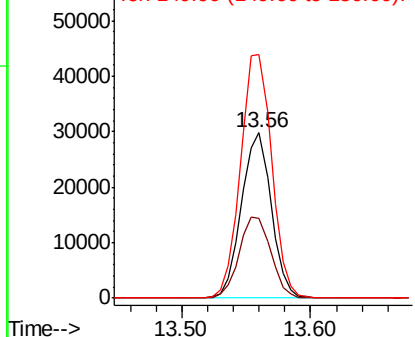


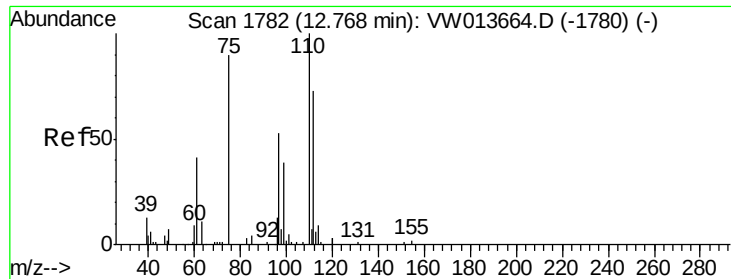
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013727.D
Acq: 24 Oct 2019 22:22

Tgt Ion:152 Resp: 47589
Ion Ratio Lower Upper
152 100
115 52.3 27.4 82.2
150 154.2 0.0 345.4



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: 73.991 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013727.D

Acq: 24 Oct 2019 22:22

Instrument :

MSVOA_W

ClientSampled :

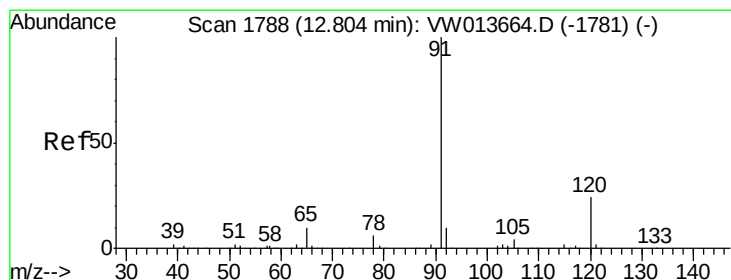
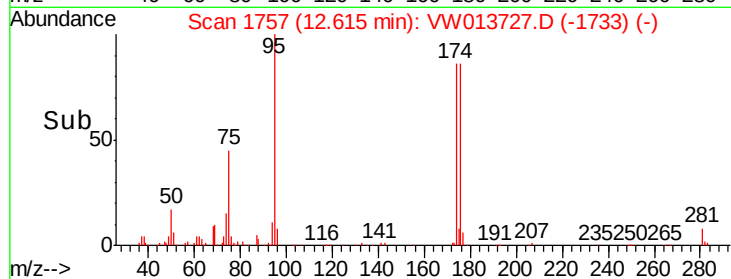
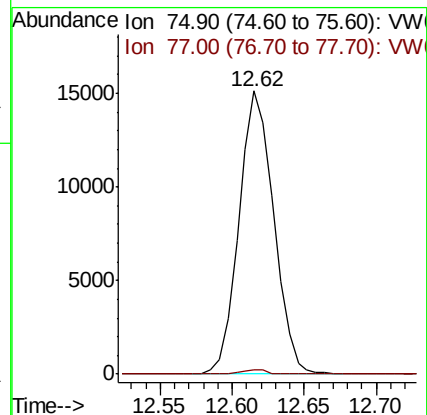
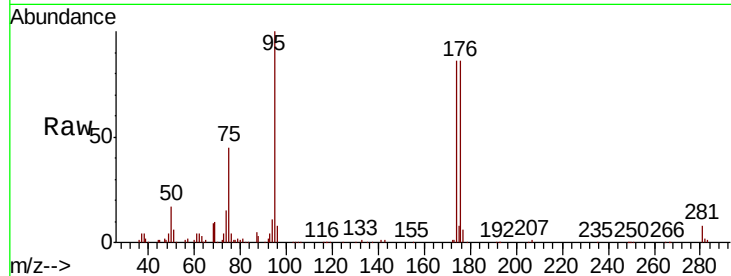
195-42-(1)RE

Tot Ion: 75 Resp: 25287

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#78

n-propylbenzene

Concen: 1.196 ug/l

RT: 13.02 min Scan# 1824

Delta R.T. 0.22 min

Lab File: VW013727.D

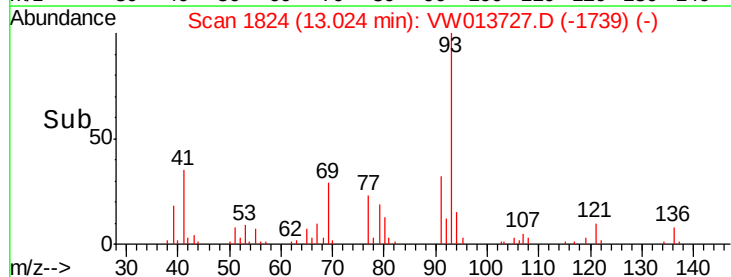
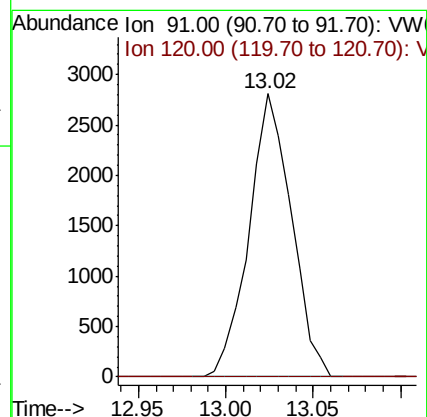
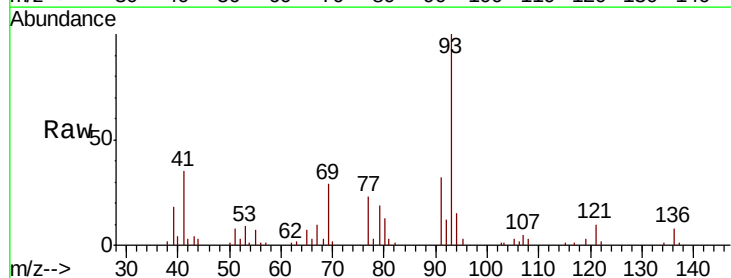
Acq: 24 Oct 2019 22:22

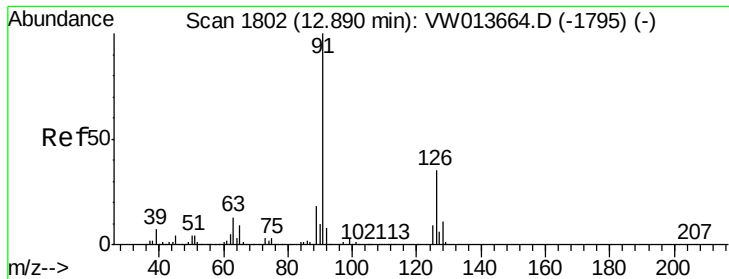
Tgt Ion: 91 Resp: 4730

Ion Ratio Lower Upper

91 100

120 0.0 12.0 36.0#





#79

2-Chlorotoluene

Concen: 2.128 ug/l

RT: 13.02 min Scan# 1824

Delta R.T. 0.13 min

Lab File: VW013727.D

Acq: 24 Oct 2019 22:22

Instrument :

MSVOA_W

ClientSampleId :

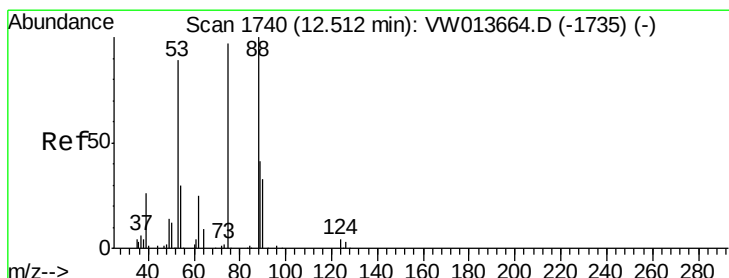
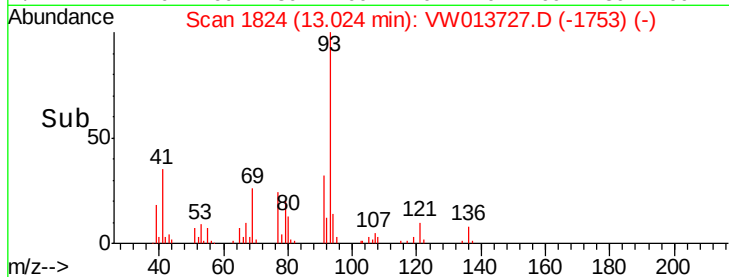
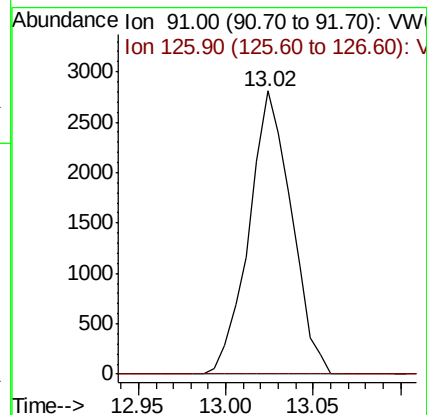
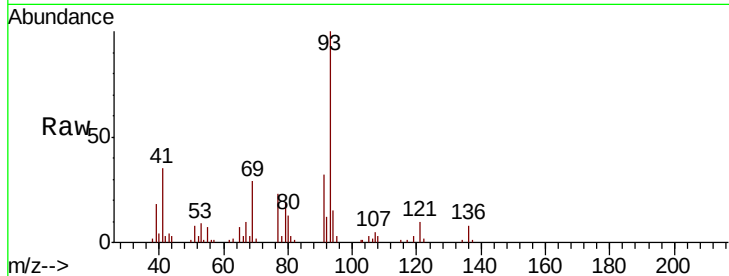
195-42-(1)RE

Tot Ion: 91 Resp: 4730

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.834 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013727.D

Acq: 24 Oct 2019 22:22

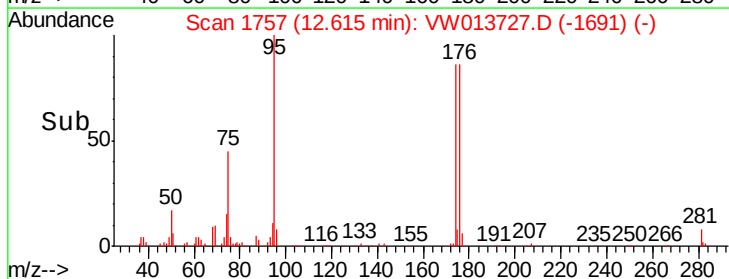
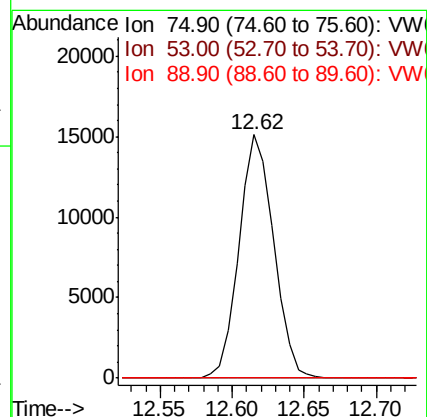
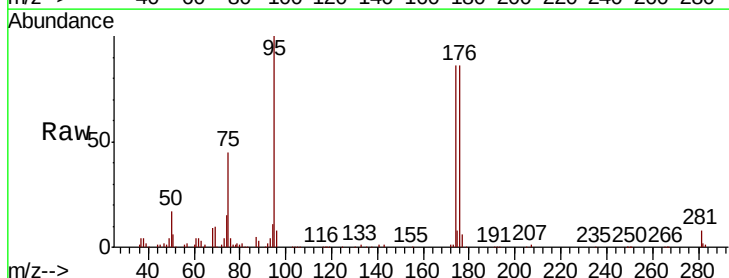
Tgt Ion: 75 Resp: 25287

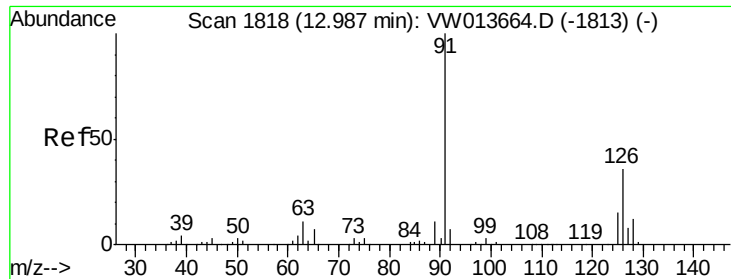
Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.0 35.8 53.8#





#82
 4-Chlorotoluene
 Concen: 2.027 ug/l
 RT: 13.02 min Scan# 1824
 Delta R.T. 0.04 min
 Lab File: VW013727.D
 Acq: 24 Oct 2019 22:22

Instrument :
 MSVOA_W
 ClientSampleId :
 195-42-(1)RE

Tot Ion: 91 Resp: 4730
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.2 51.5#

