

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW052419\
 Data File : VW010544.D
 Acq On : 24 May 2019 11:24
 Operator : SY/VA
 Sample : VW0524SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBL01

Quant Time: May 24 11:45:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	132914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	231260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	199883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87102	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	66802	48.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.38%	
35) Dibromofluoromethane	7.88	113	68785	49.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.04%	
50) Toluene-d8	10.32	98	278244	51.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.62	95	99888	46.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.56%	

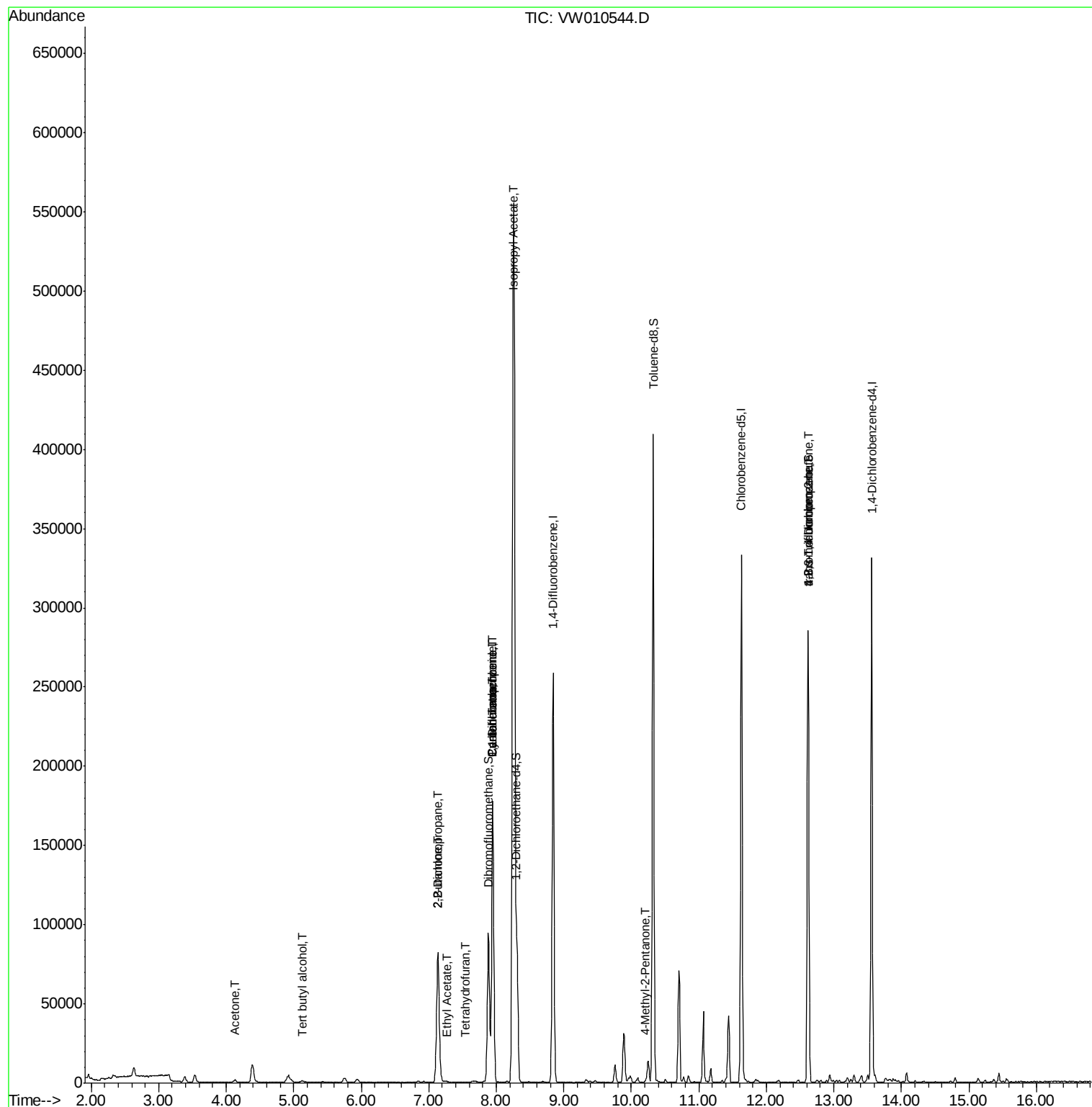
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	244	Below Cal		96
11) Tert butyl alcohol	5.12	59	879	7.123	ug/l #	71
13) Acrolein	3.90	56	29	Below Cal	#	1
16) Acetone	4.14	43	3318	11.849	ug/l #	84
20) Methylene Chloride	4.92	84	3228	Below Cal	#	82
25) 2-Butanone	7.13	43	4120	10.281	ug/l #	68
26) 2,2-Dichloropropane	7.13	77	5754	2.429	ug/l #	52
29) Tetrahydrofuran	7.54	42	299	1.103	ug/l #	30
31) Cyclohexane	7.95	56	2624	1.007	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	10028	4.655	ug/l #	48
37) Ethyl Acetate	7.26	43	963	1.051	ug/l #	70
38) Carbon Tetrachloride	7.95	117	13927	5.993	ug/l #	15
43) Isopropyl Acetate	8.26	43	10110	5.524	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	1280	1.380	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	46821	52.957	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	46821	110.522	ug/l #	14

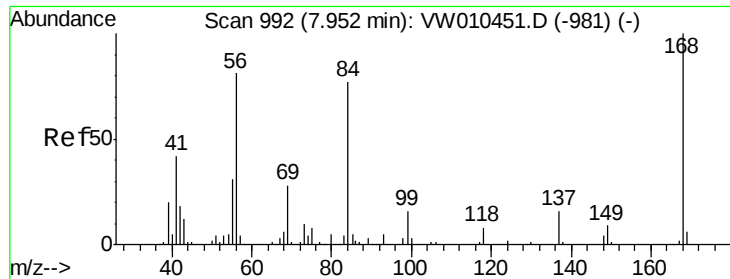
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW052419\
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QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010544.D

Acq: 24 May 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

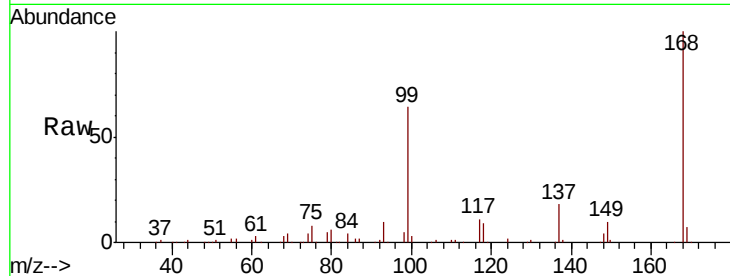
VW0524SBL01

Tgt Ion:168 Resp: 132914

Ion Ratio Lower Upper

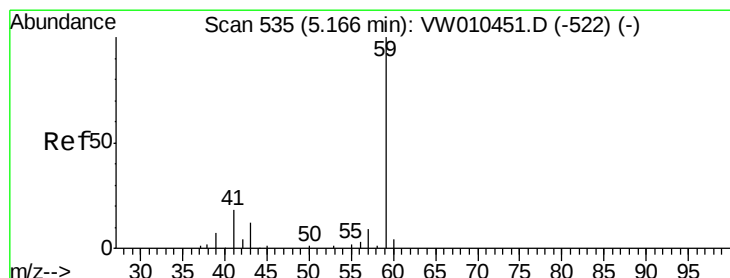
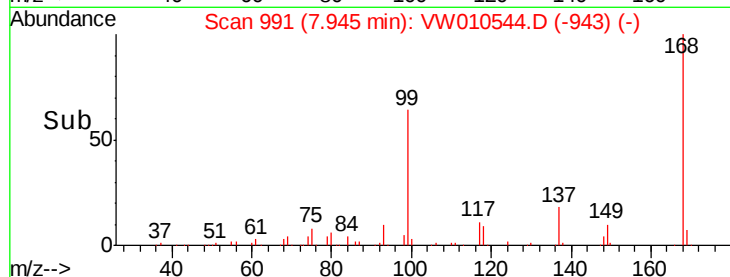
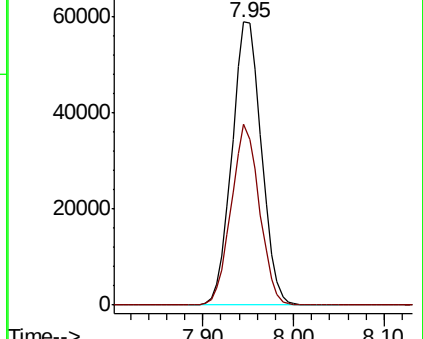
168 100

99 63.7 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 7.123 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW010544.D

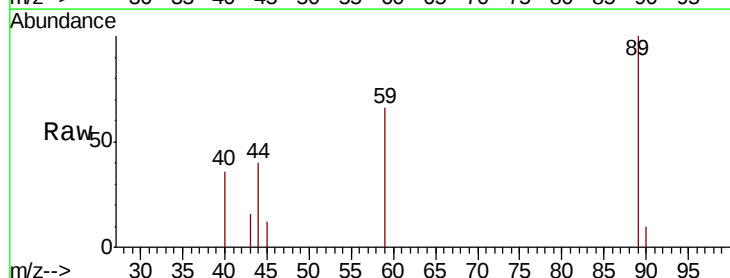
Acq: 24 May 2019 11:24

Tgt Ion: 59 Resp: 879

Ion Ratio Lower Upper

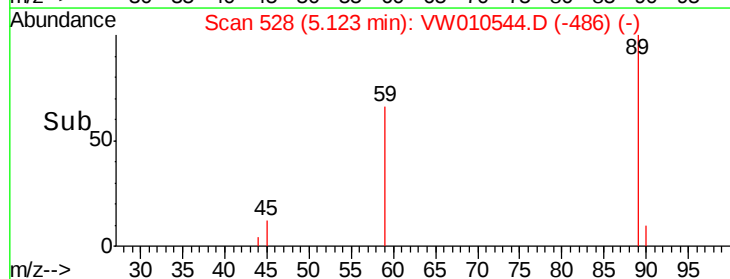
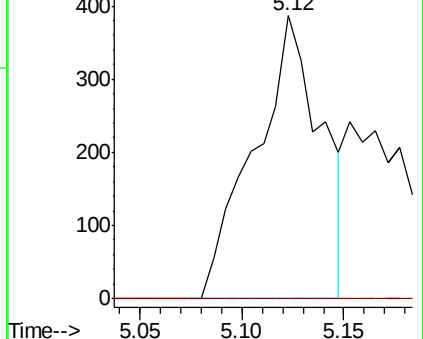
59 100

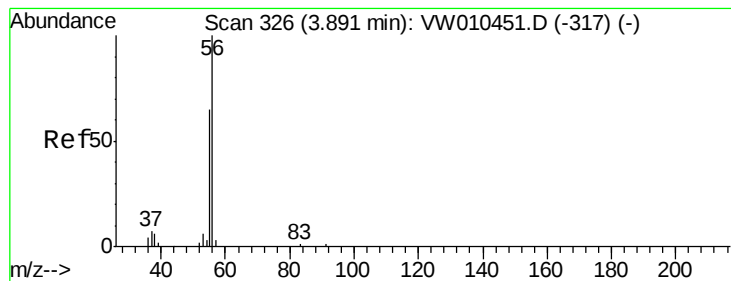
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010544.D

Acq: 24 May 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

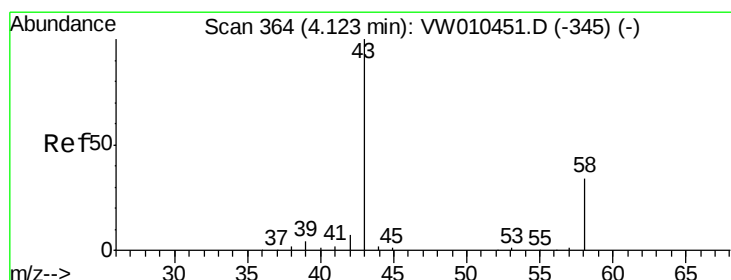
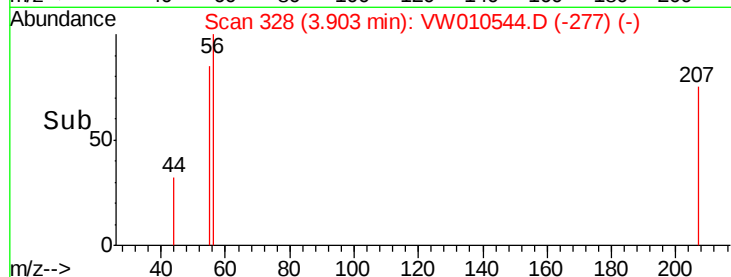
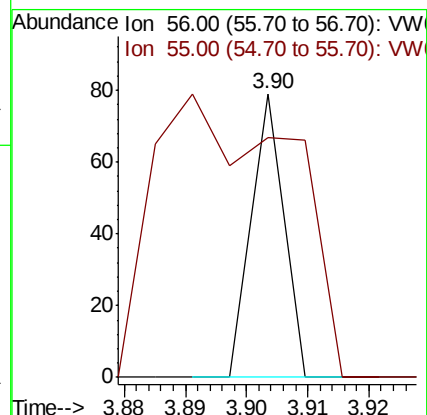
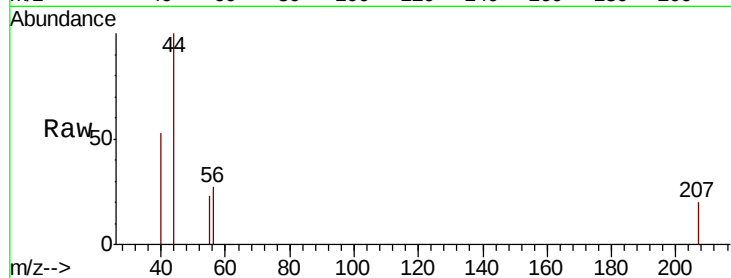
VW0524SBL01

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 424.1 57.9 86.9#



#16

Acetone

Concen: 11.849 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010544.D

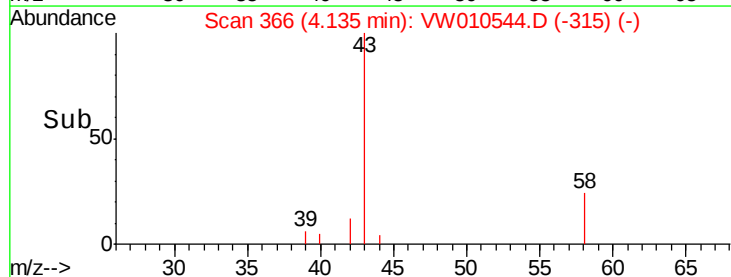
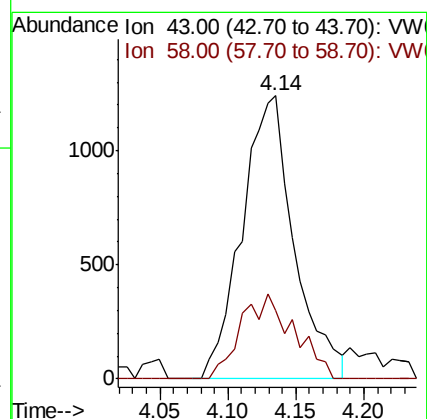
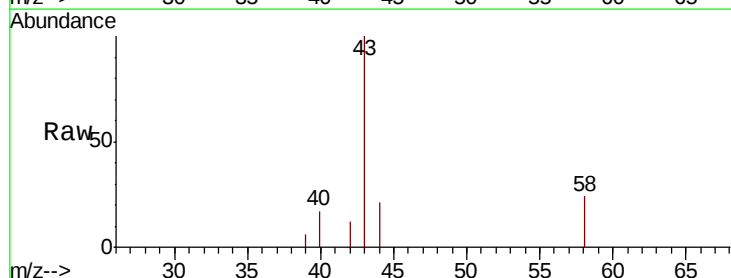
Acq: 24 May 2019 11:24

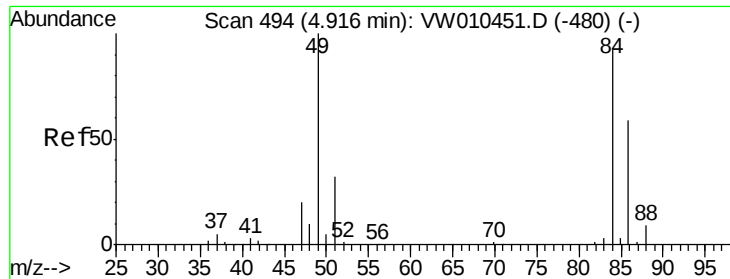
Tgt Ion: 43 Resp: 3318

Ion Ratio Lower Upper

43 100

58 24.4 27.0 40.4#

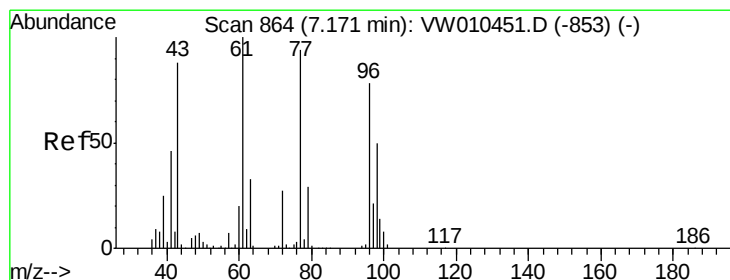
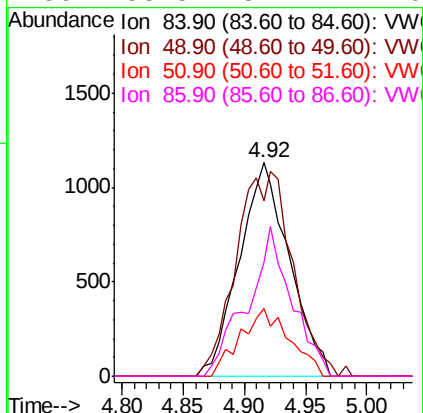
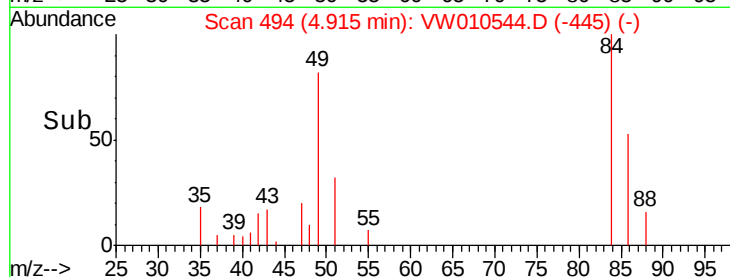
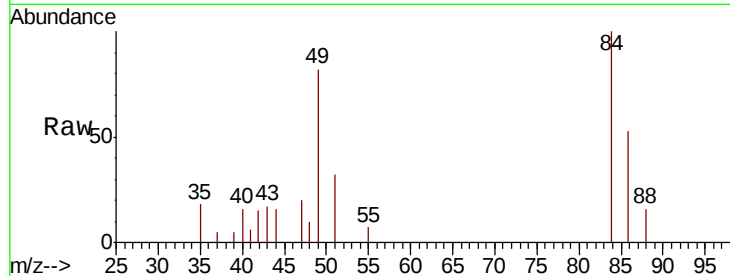




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010544.D
Acq: 24 May 2019 11:24

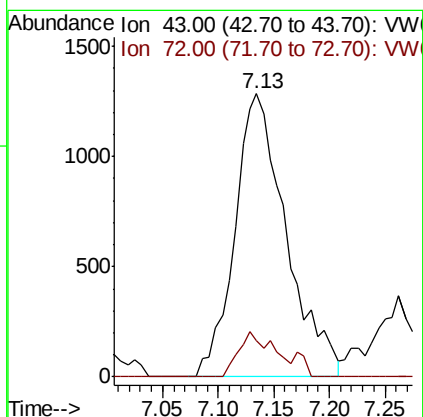
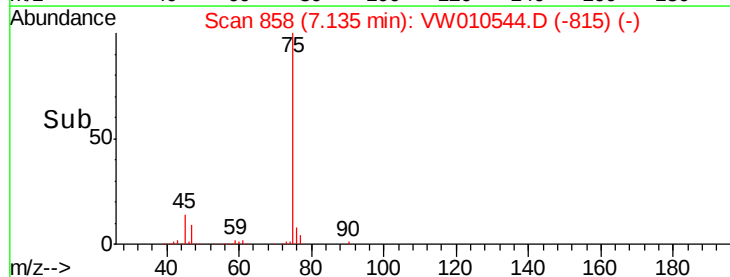
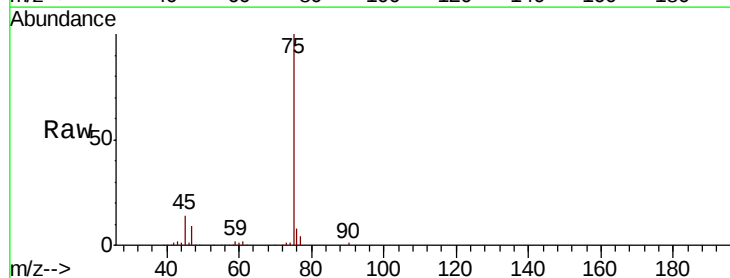
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBL01

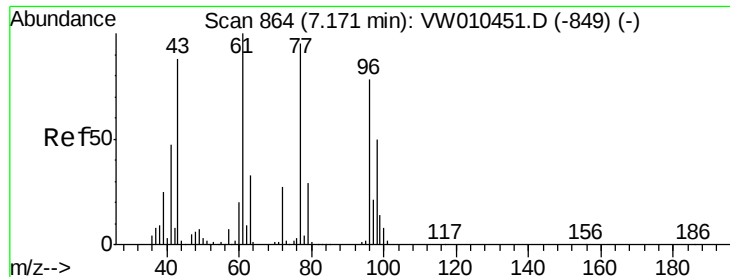
Tgt Ion: 84 Resp: 3228
Ion Ratio Lower Upper
84 100
49 82.1 87.2 130.8#
51 31.9 27.7 41.5
86 53.5 51.4 77.0



#25
2-Butanone
Concen: 10.281 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW010544.D
Acq: 24 May 2019 11:24

Tgt Ion: 43 Resp: 4120
Ion Ratio Lower Upper
43 100
72 12.6 24.1 36.1#





#26

2,2-Dichloropropane

Concen: 2.429 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010544.D

Acq: 24 May 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

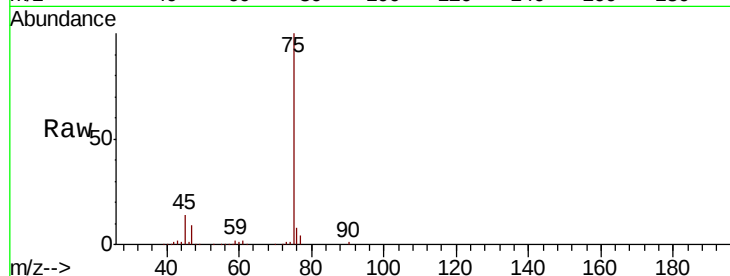
VW0524SBL01

Tgt Ion: 77 Resp: 5754

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.13

2500

2000

1500

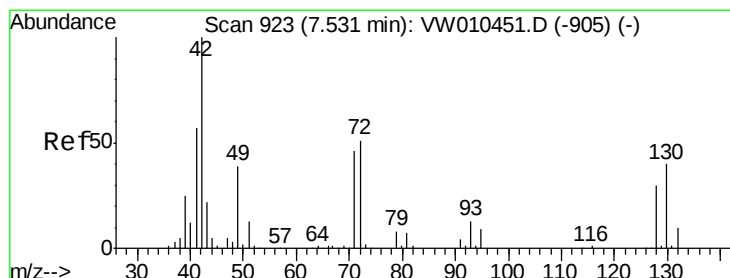
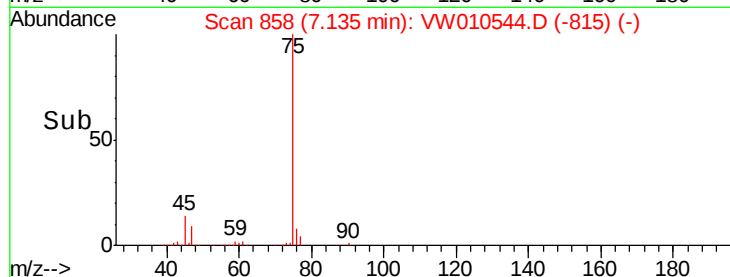
1000

500

0

7.10 7.20

Time-->



#29

Tetrahydrofuran

Concen: 1.103 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010544.D

Acq: 24 May 2019 11:24

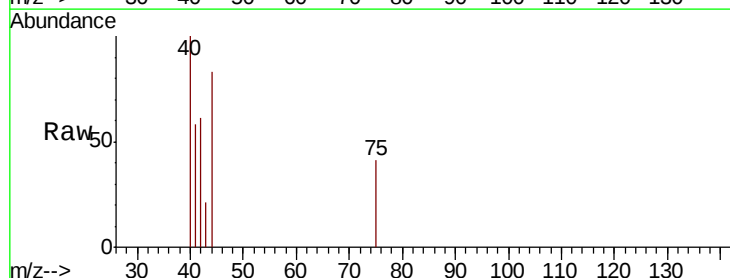
Tgt Ion: 42 Resp: 299

Ion Ratio Lower Upper

42 100

72 0.0 38.5 57.7#

71 0.0 36.5 54.7#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

150

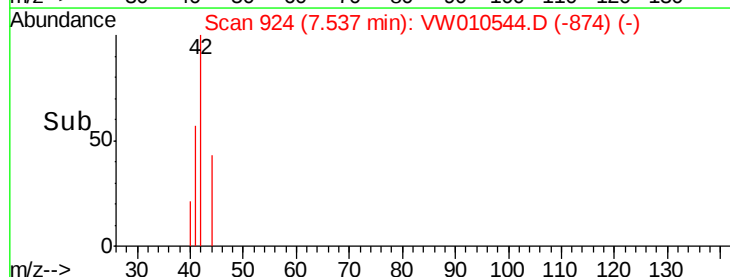
100

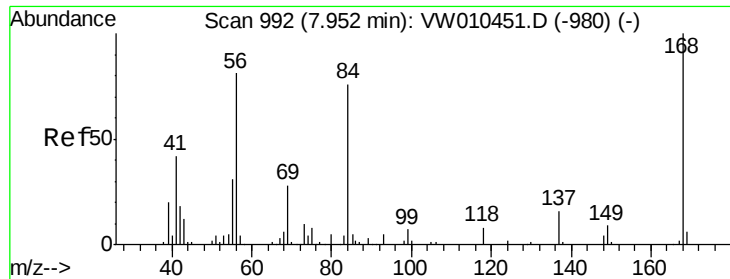
50

0

7.50 7.55

Time-->

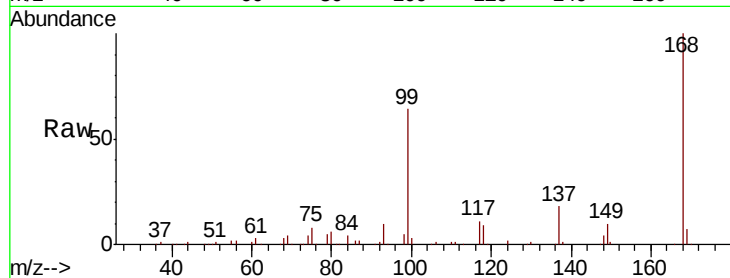




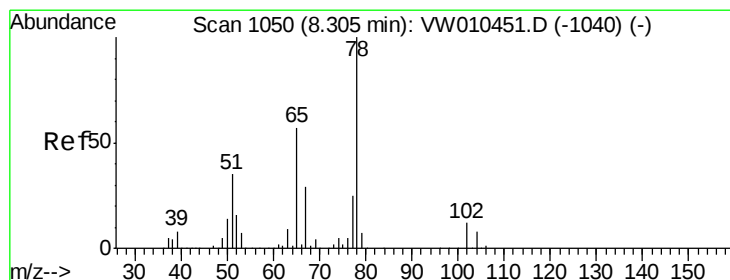
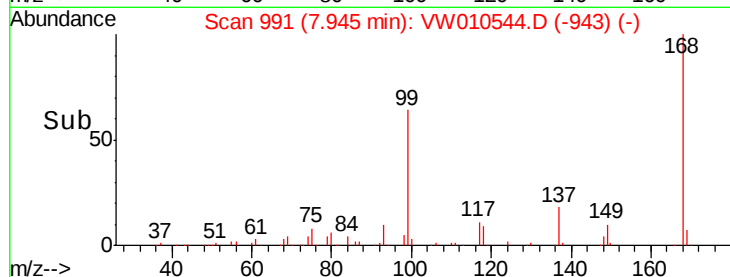
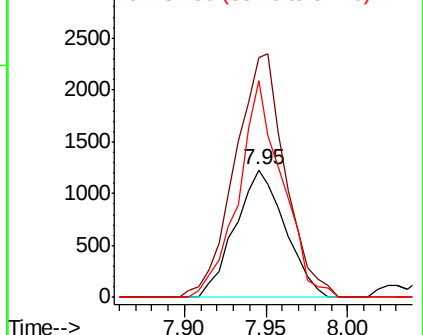
#31
Cyclohexane
Concen: 1.007 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010544.D
Acq: 24 May 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VW0524SBL01

Tgt Ion: 56 Resp: 2624
Ion Ratio Lower Upper
56 100
69 188.4 28.2 42.2#
84 169.9 75.8 113.8#

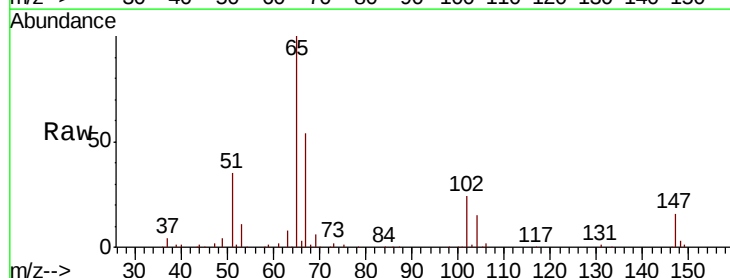


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

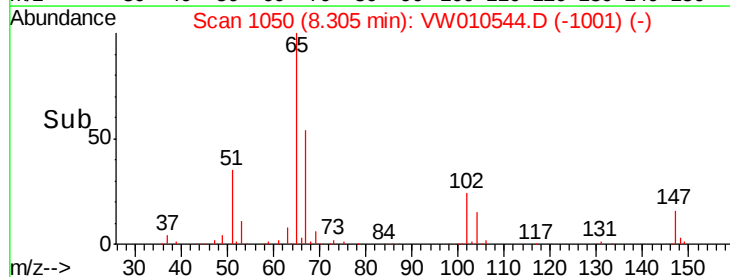
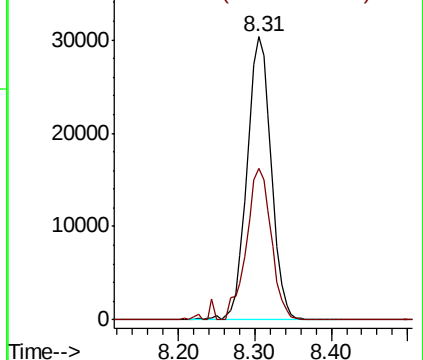


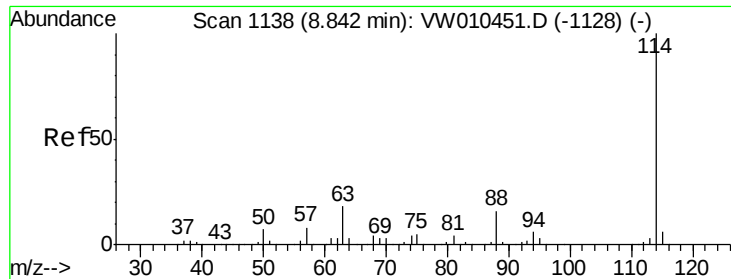
#33
1,2-Dichloroethane-d4
Concen: 48.693 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010544.D
Acq: 24 May 2019 11:24

Tgt Ion: 65 Resp: 66802
Ion Ratio Lower Upper
65 100
67 54.9 0.0 103.6



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

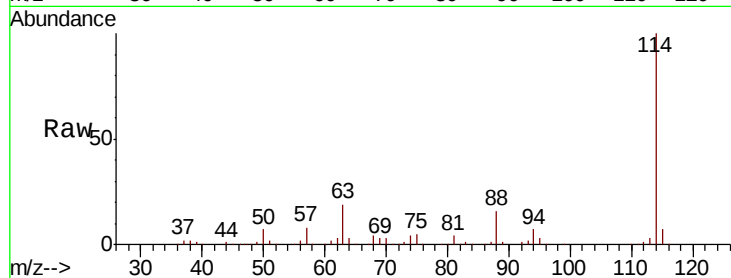




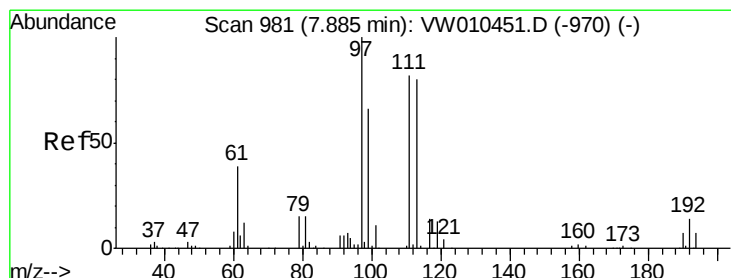
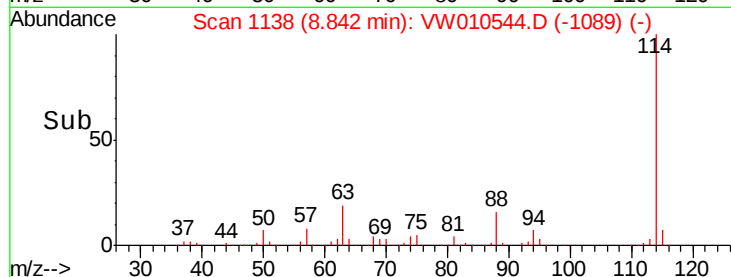
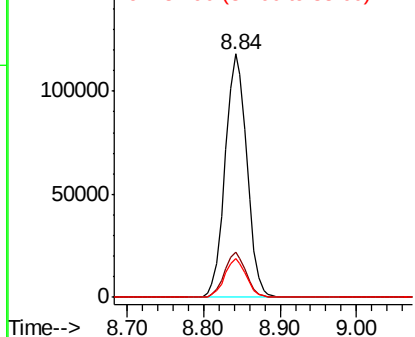
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010544.D
 Acq: 24 May 2019 11:24

Instrument :
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 VW0524SBL01

Tgt Ion:114 Resp: 231260
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 15.8 0.0 32.0

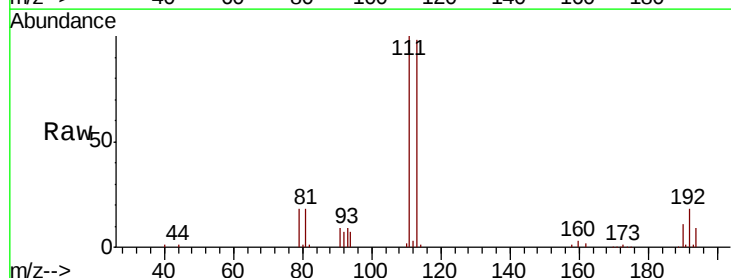


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

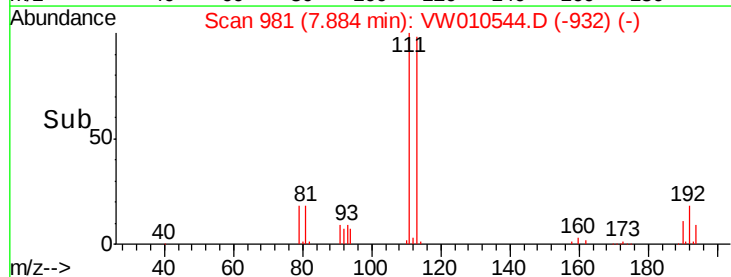
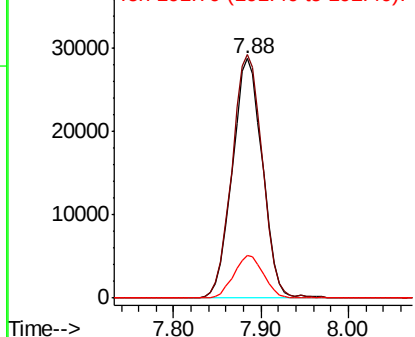


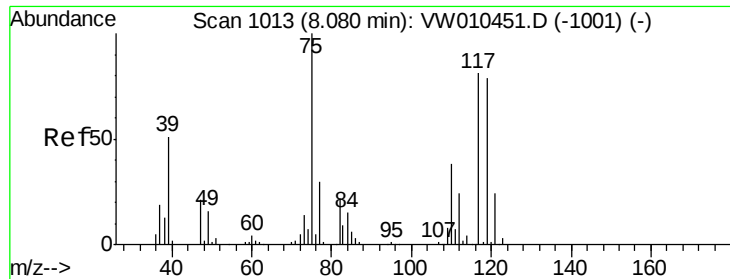
#35
 Dibromofluoromethane
 Concen: 49.019 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010544.D
 Acq: 24 May 2019 11:24

Tgt Ion:113 Resp: 68785
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 17.7 14.3 21.5



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

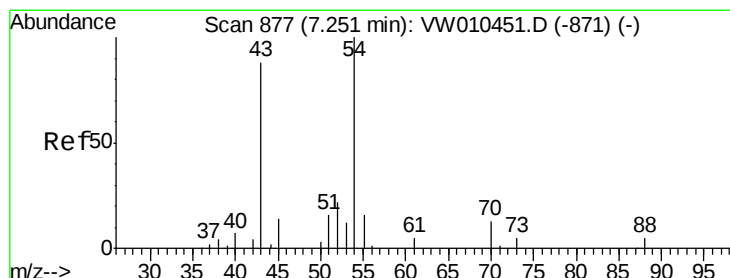
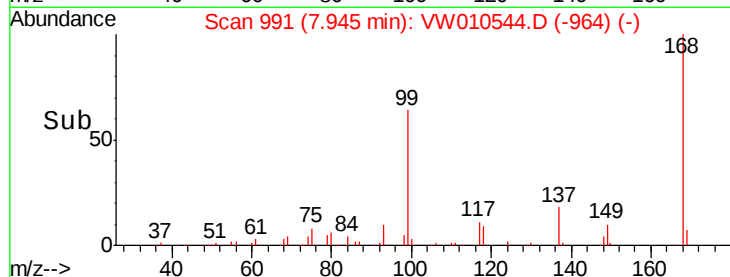
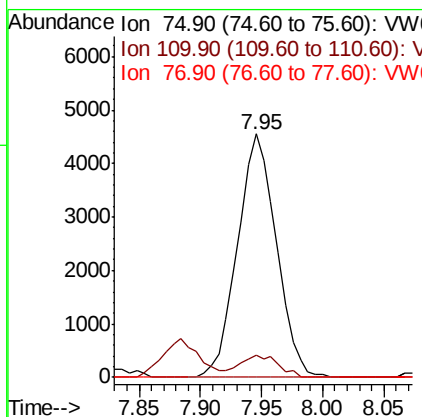
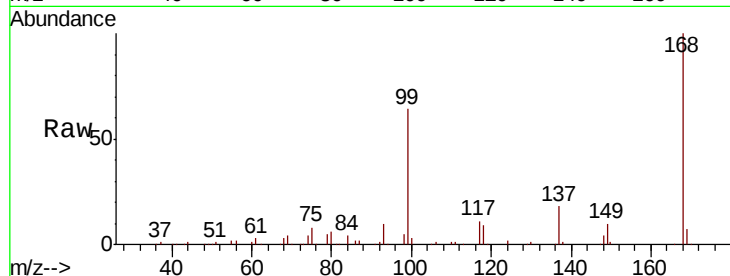




#36
 1,1-Dichloropropene
 Concen: 4.655 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010544.D
 Acq: 24 May 2019 11:24

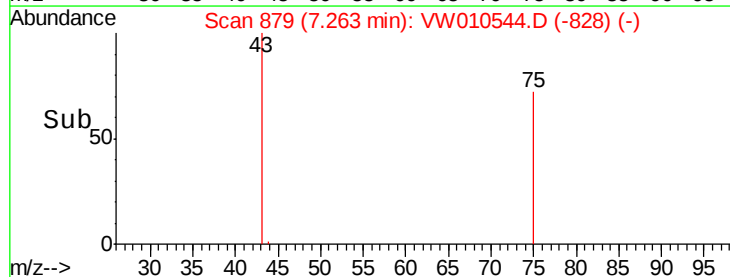
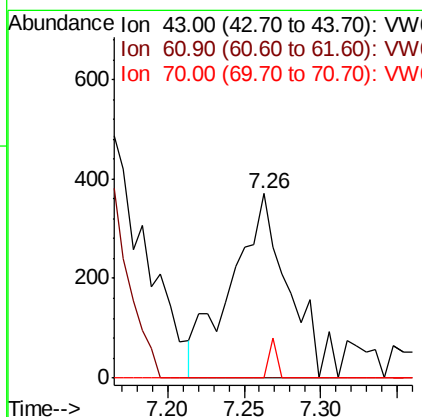
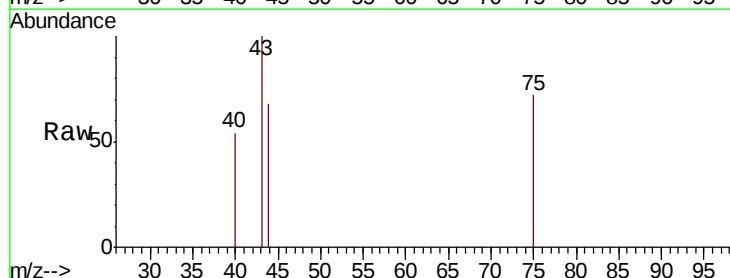
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBL01

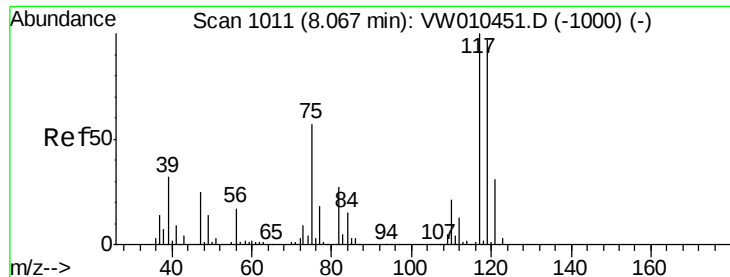
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.2	57.6#
77	0.0	25.2	37.8#



#37
 Ethyl Acetate
 Concen: 1.051 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VW010544.D
 Acq: 24 May 2019 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	3.0	9.9	14.9#

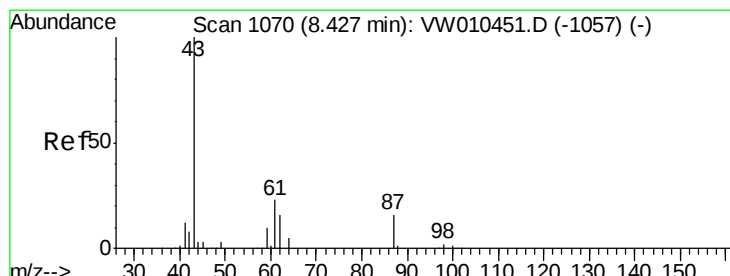
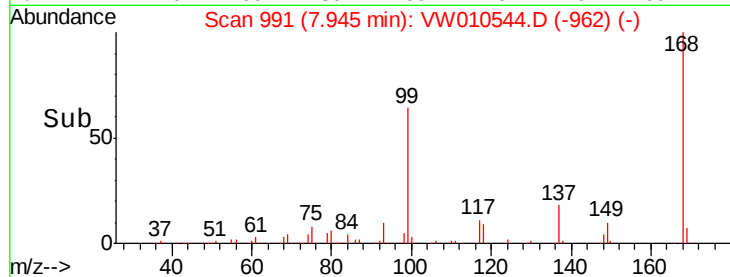
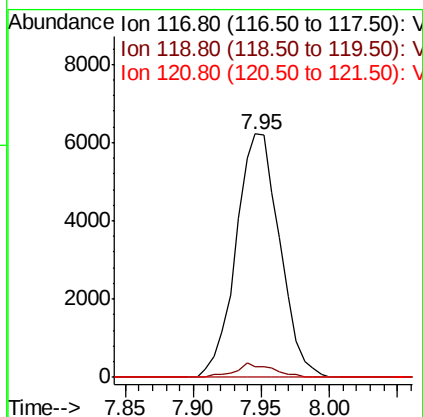
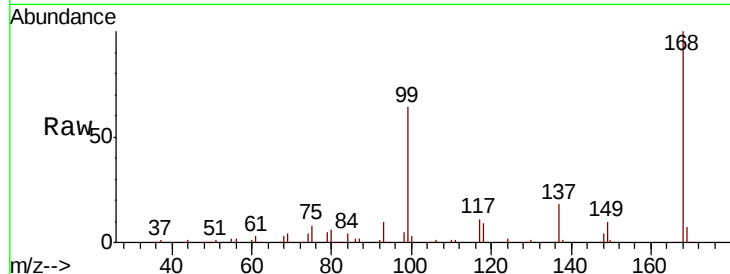




#38
 Carbon Tetrachloride
 Concen: 5.993 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010544.D
 Acq: 24 May 2019 11:24

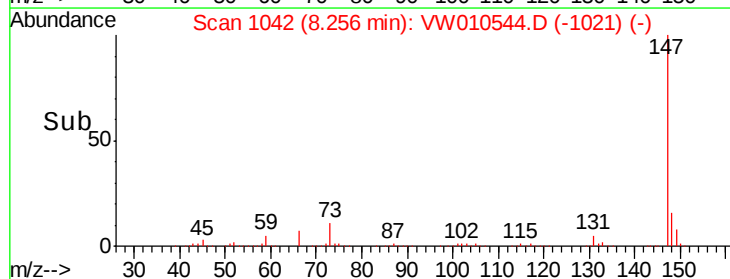
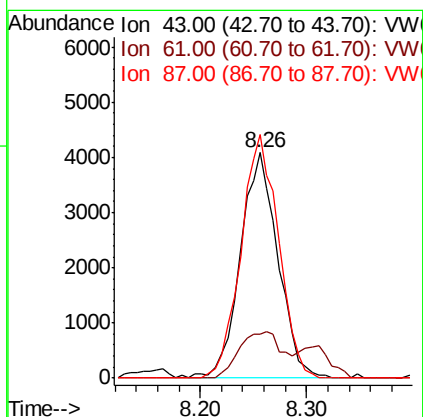
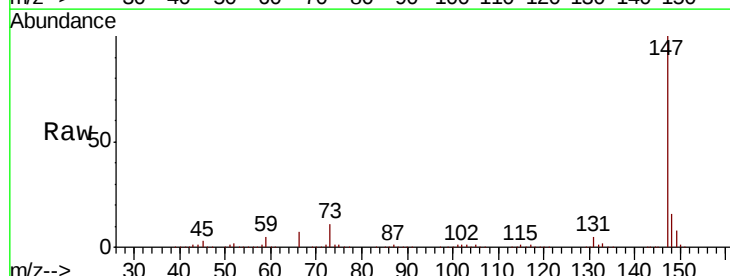
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBL01

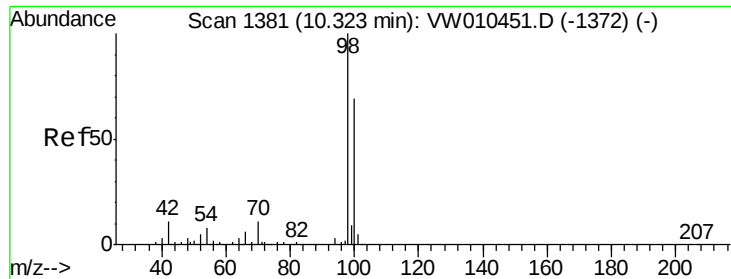
Tgt Ion: 117 Resp: 13927
 Ion Ratio Lower Upper
 117 100
 119 4.3 77.4 116.0#
 121 0.0 25.0 37.6#



#43
 Isopropyl Acetate
 Concen: 5.524 ug/l
 RT: 8.26 min Scan# 1042
 Delta R.T. -0.17 min
 Lab File: VW010544.D
 Acq: 24 May 2019 11:24

Tgt Ion: 43 Resp: 10110
 Ion Ratio Lower Upper
 43 100
 61 23.8 25.4 38.2#
 87 107.7 12.7 19.1#





#50

Toluene-d8

Concen: 51.904 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010544.D

Acq: 24 May 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

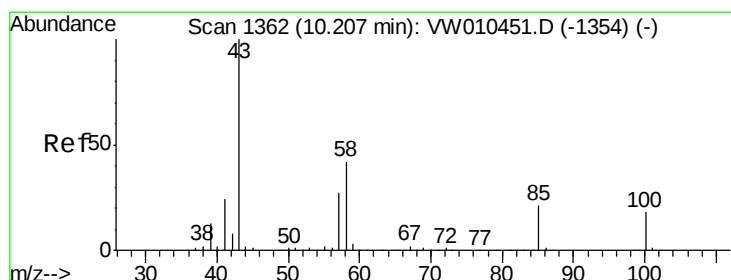
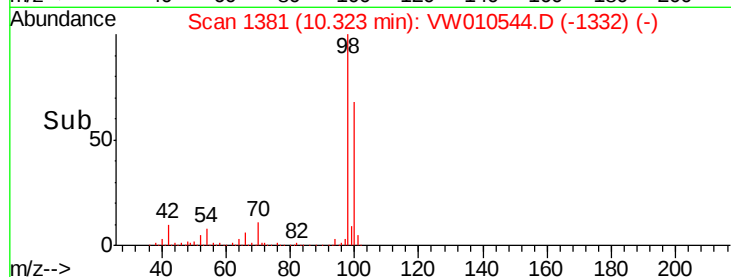
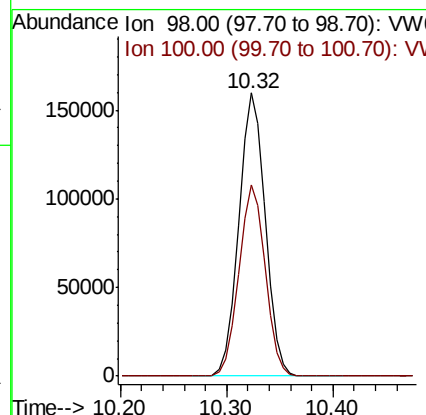
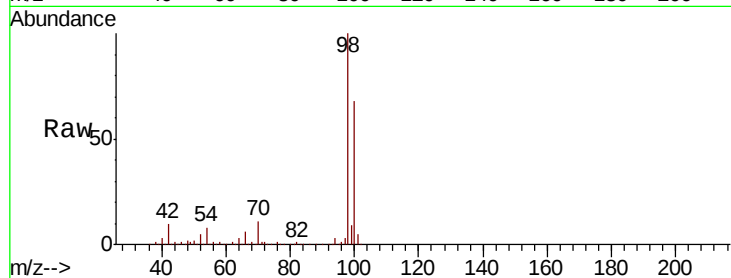
VW0524SBL01

Tgt Ion: 98 Resp: 278244

Ion Ratio Lower Upper

98 100

100 67.5 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 1.380 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010544.D

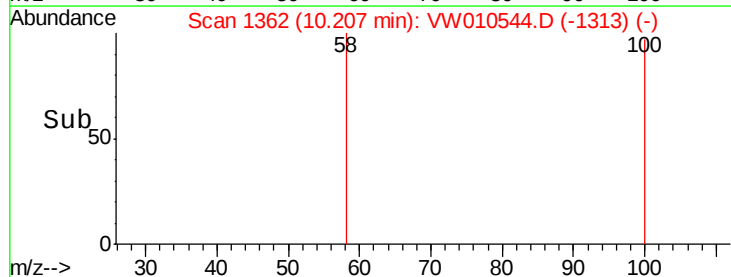
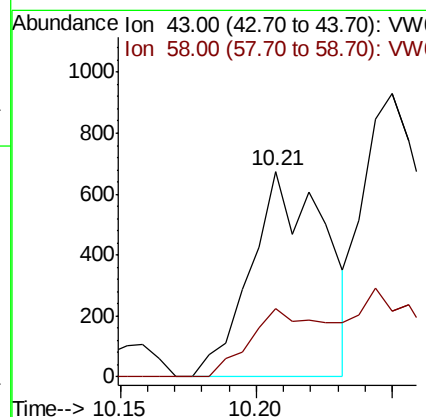
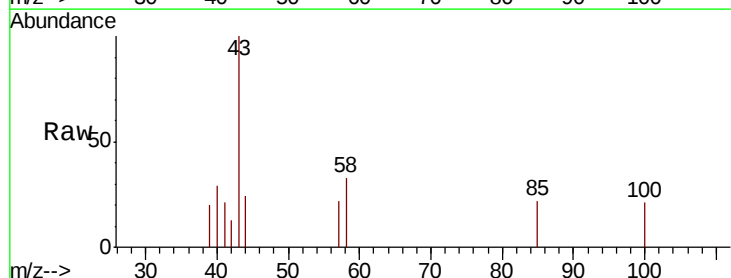
Acq: 24 May 2019 11:24

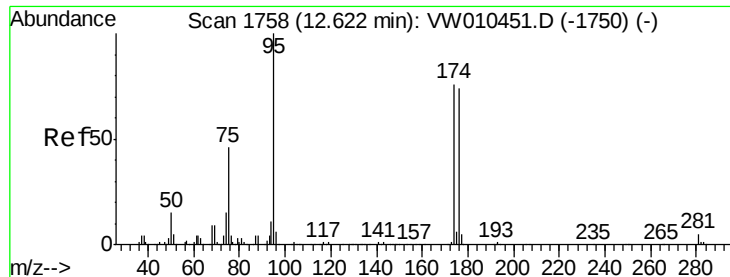
Tgt Ion: 43 Resp: 1280

Ion Ratio Lower Upper

43 100

58 35.9 33.2 49.8

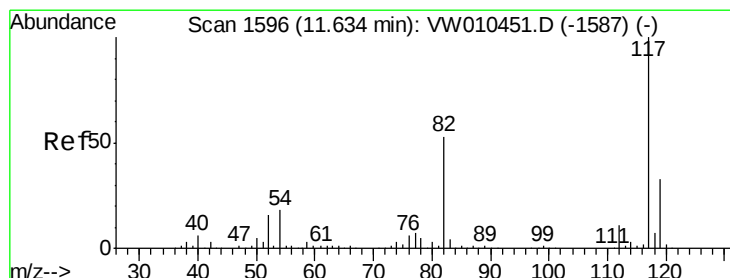
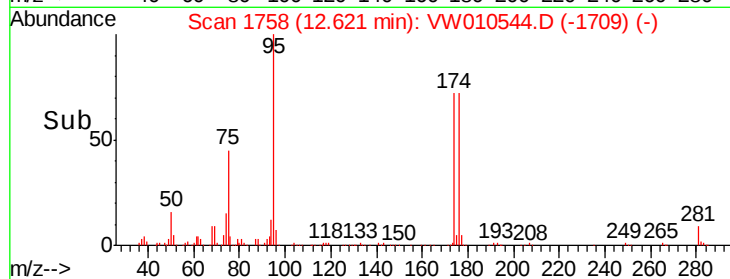
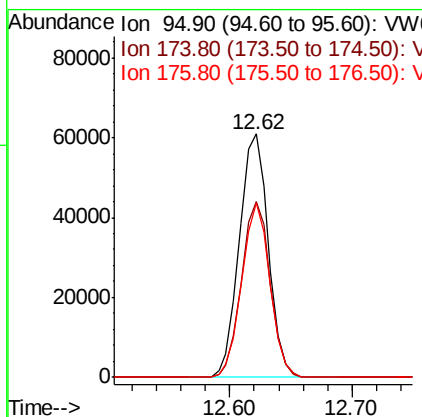
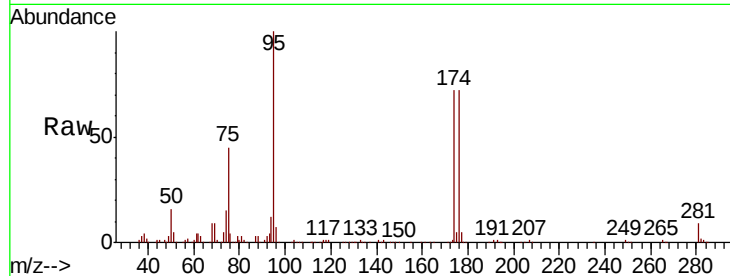




#62
4-Bromofluorobenzene
Concen: 46.780 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010544.D
Acq: 24 May 2019 11:24

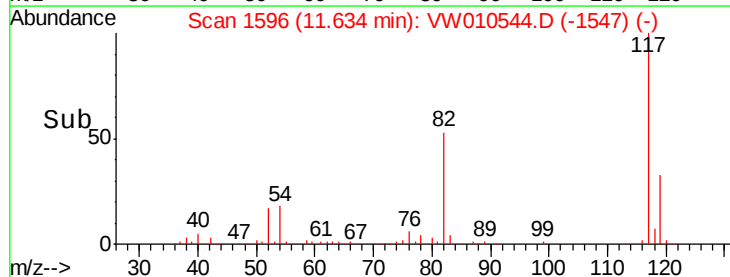
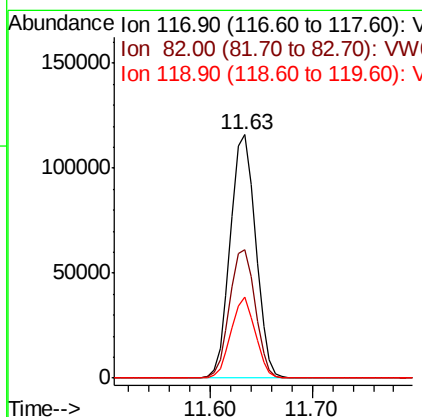
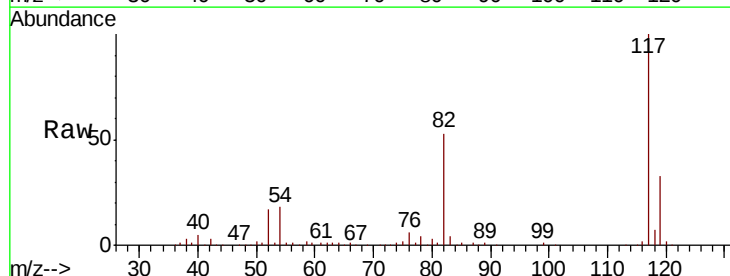
Instrument :
MSVOA_W
ClientSampleId :
VW0524SBL01

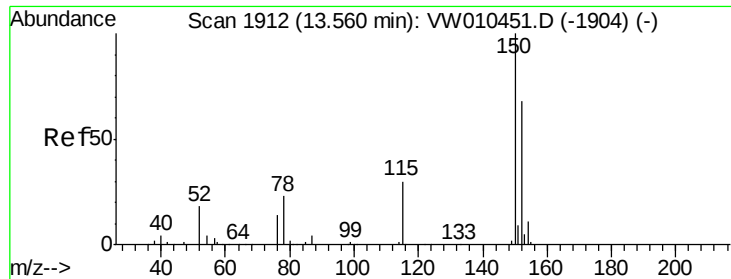
Tgt Ion: 95 Resp: 99888
Ion Ratio Lower Upper
95 100
174 71.8 0.0 148.6
176 69.8 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010544.D
Acq: 24 May 2019 11:24

Tgt Ion: 117 Resp: 199883
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 33.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010544.D

Acq: 24 May 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VW0524SBL01

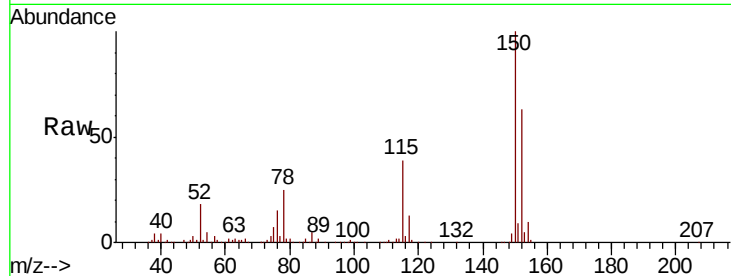
Tgt Ion:152 Resp: 87102

Ion Ratio Lower Upper

152 100

115 63.1 30.3 91.0

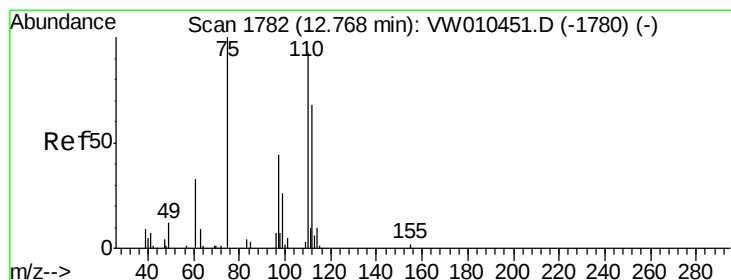
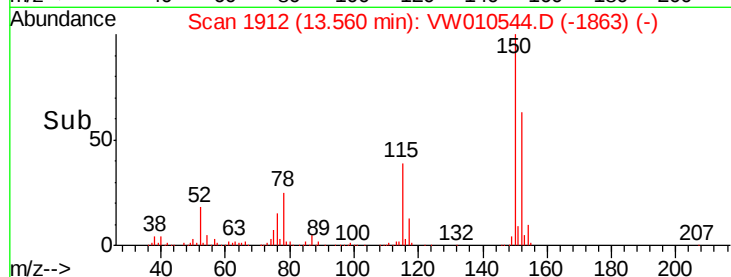
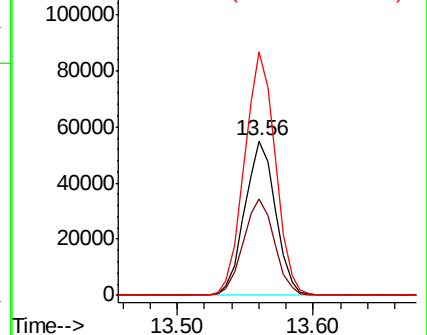
150 158.2 0.0 349.8



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: 52.957 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010544.D

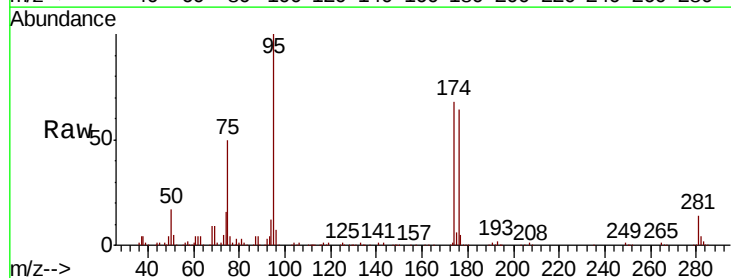
Acq: 24 May 2019 11:24

Tgt Ion: 75 Resp: 46821

Ion Ratio Lower Upper

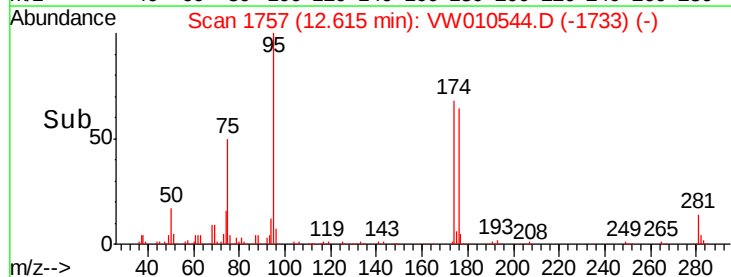
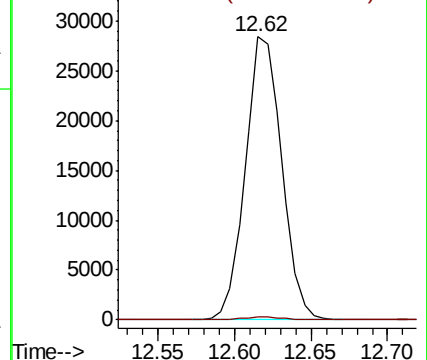
75 100

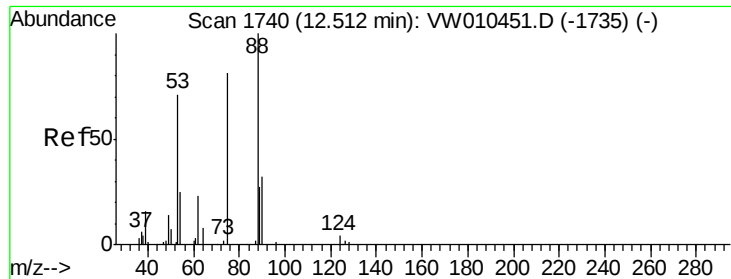
77 1.1 170.0 510.1#



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: 110.522 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW010544.D
 Acq: 24 May 2019 11:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBL01

Tgt Ion: 75 Resp: 46821
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.8#
 89 0.4 39.5 59.3#

