

Data File : VW010582.D
Acq On : 29 May 2019 11:04
Operator : SY/VA
Sample : VW0529SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBL01

Quant Time: May 30 07:09:48 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	131482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	226394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	66866	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.88	113	67748	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.32	98	274069	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.62	95	98612	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	

Target Compounds

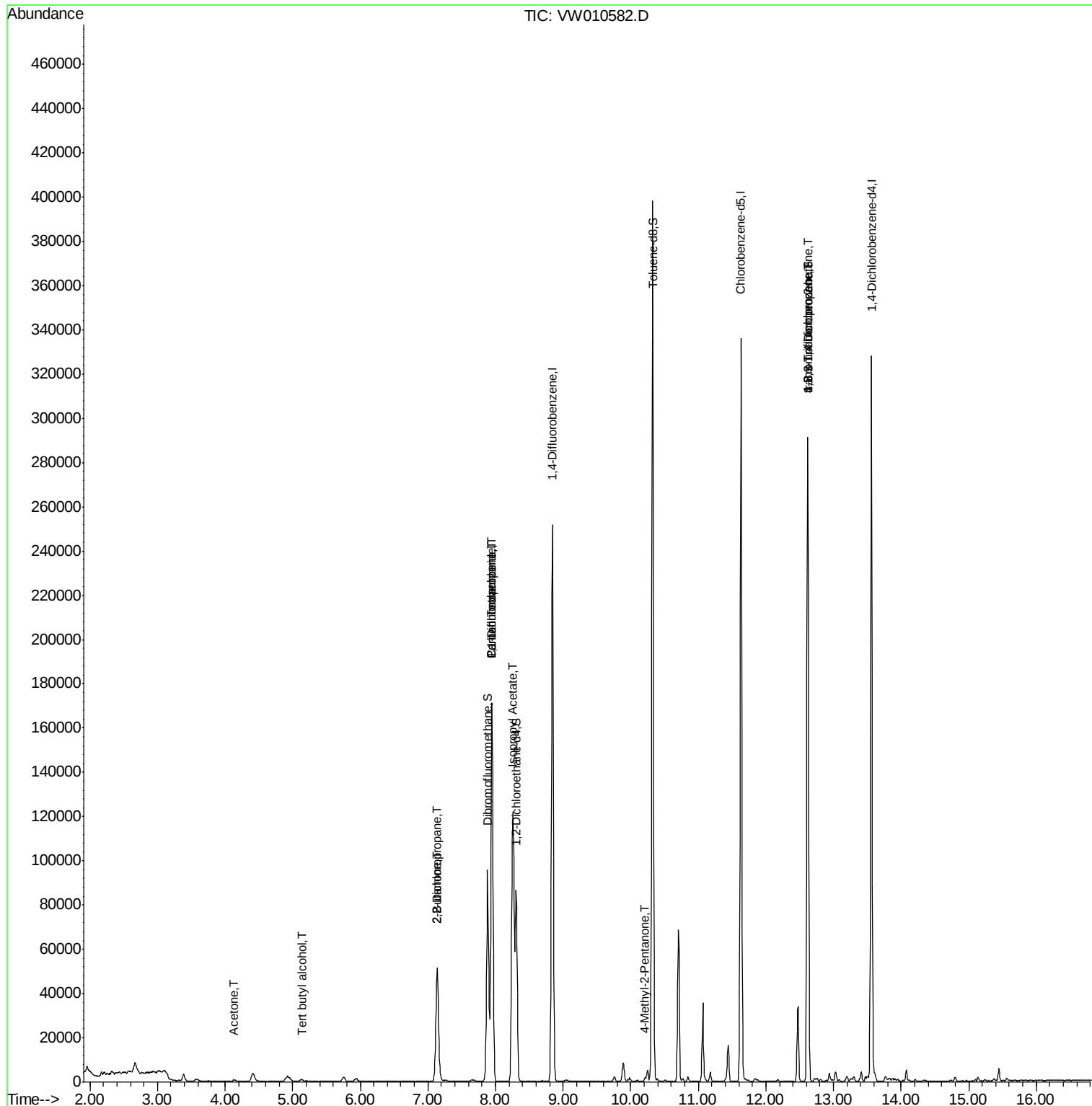
						Qvalue
2) Dichlorodifluoromethane	2.00	85	171	Below Cal	#	42
11) Tert butyl alcohol	5.13	59	522	4.276	ug/l #	71
16) Acetone	4.13	43	1654	5.971	ug/l	92
20) Methylene Chloride	4.92	84	1701	Below Cal		92
25) 2-Butanone	7.13	43	2621	6.611	ug/l #	69
26) 2,2-Dichloropropane	7.13	77	3517	1.501	ug/l #	52
36) 1,1-Dichloropropene	7.95	75	9639	4.570	ug/l #	48
38) Carbon Tetrachloride	7.95	117	13260	5.828	ug/l #	15
43) Isopropyl Acetate	8.26	43	2446	1.365	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	1130	1.245	ug/l #	77
76) 1,2,3-Trichloropropane	12.62	75	47202	53.527	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	47202	111.712	ug/l #	14

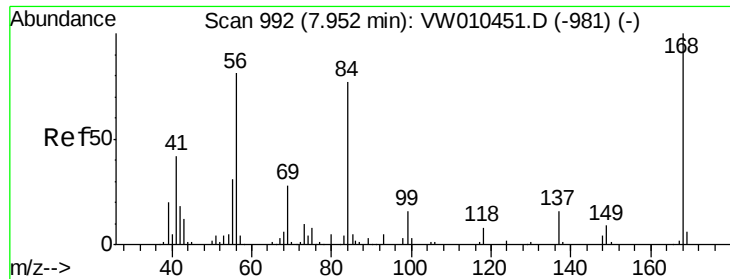
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010582.D

Acq: 29 May 2019 11:04

Instrument :

MSVOA_W

ClientSampleId :

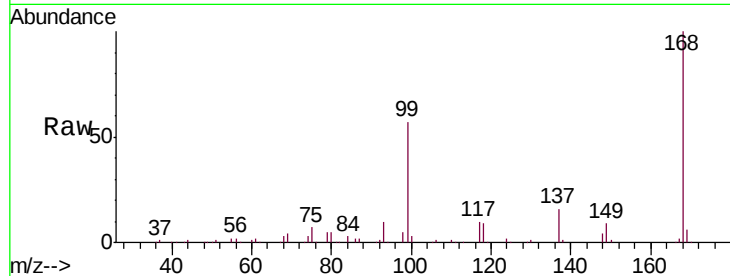
VW0529SBL01

Tgt Ion:168 Resp: 131482

Ion Ratio Lower Upper

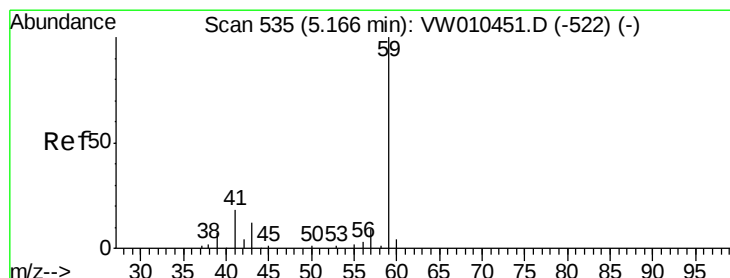
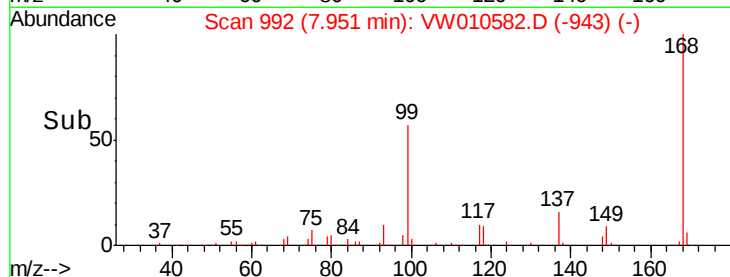
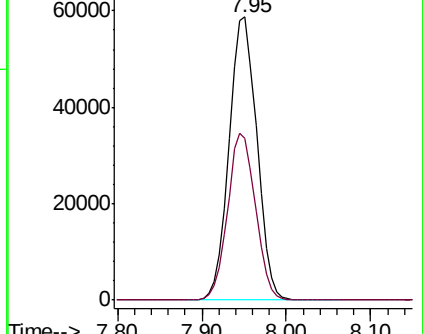
168 100

99 57.1 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: 4.276 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW010582.D

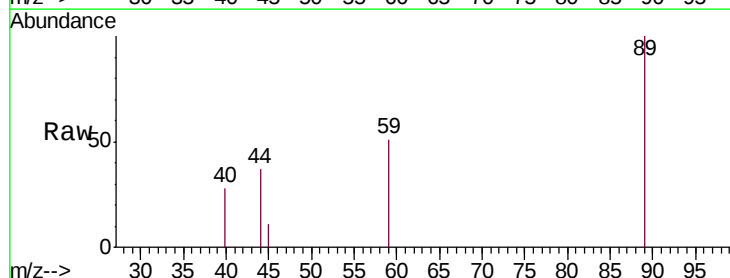
Acq: 29 May 2019 11:04

Tgt Ion: 59 Resp: 522

Ion Ratio Lower Upper

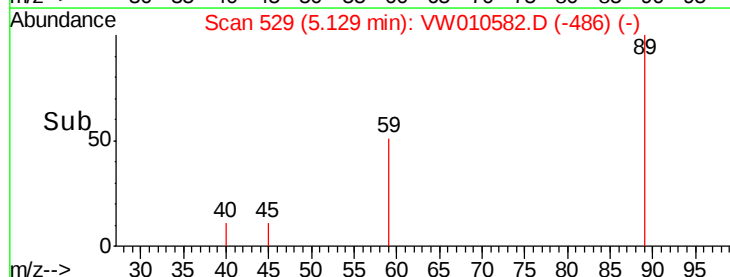
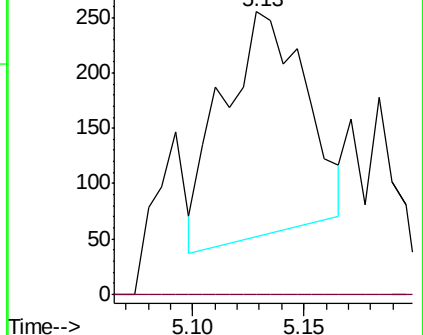
59 100

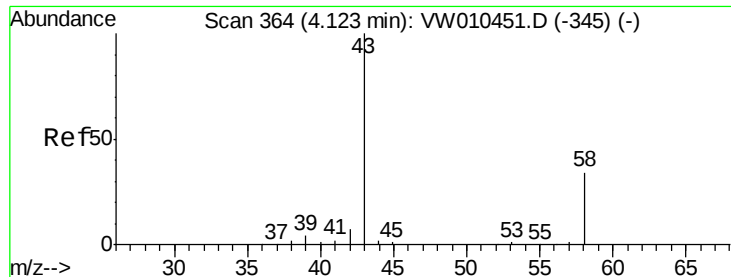
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 5.971 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010582.D

Acq: 29 May 2019 11:04

Instrument :

MSVOA_W

ClientSampleId :

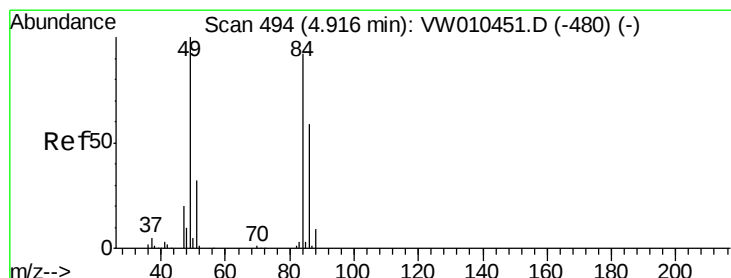
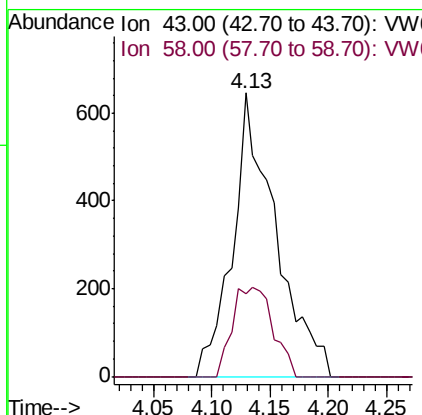
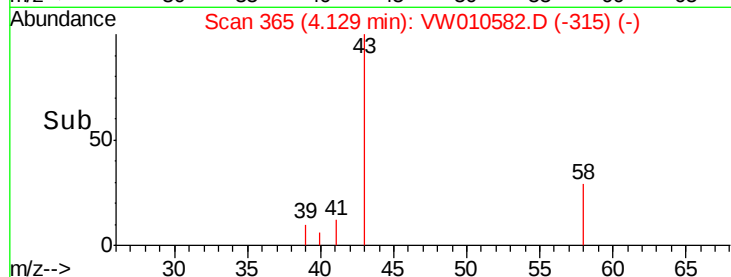
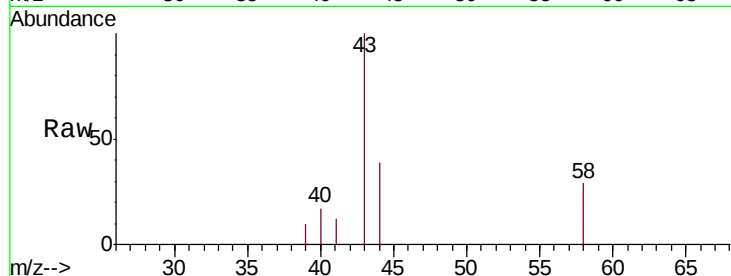
VW0529SBL01

Tgt Ion: 43 Resp: 1654

Ion Ratio Lower Upper

43 100

58 28.9 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010582.D

Acq: 29 May 2019 11:04

Tgt Ion: 84 Resp: 1701

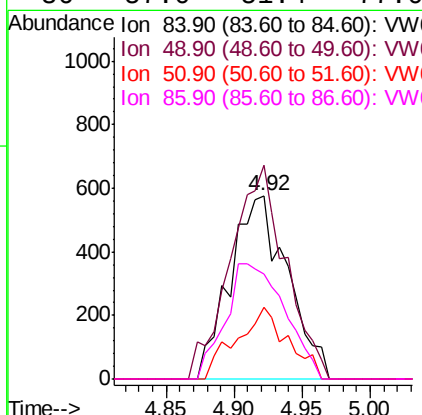
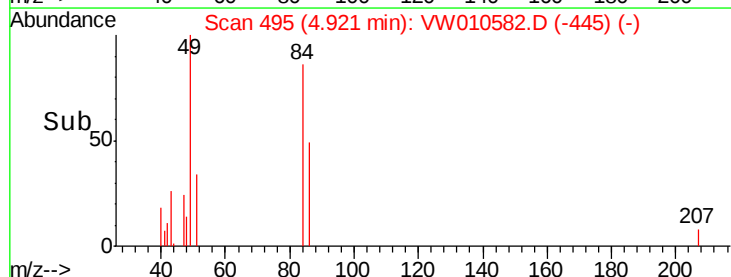
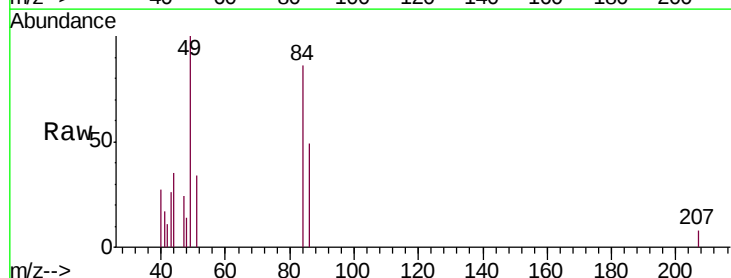
Ion Ratio Lower Upper

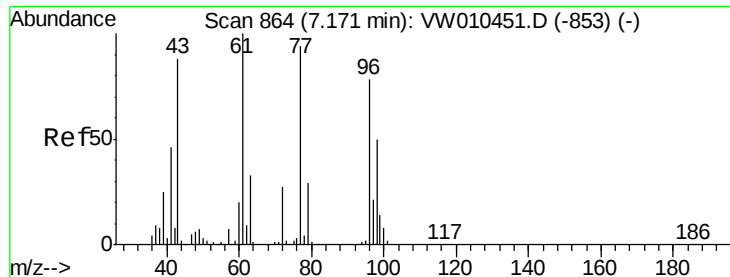
84 100

49 116.5 87.2 130.8

51 39.2 27.7 41.5

86 57.0 51.4 77.0





#25

2-Butanone

Concen: 6.611 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010582.D

Acq: 29 May 2019 11:04

Instrument :

MSVOA_W

ClientSampleId :

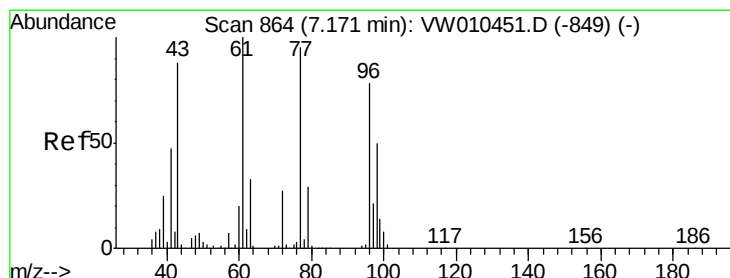
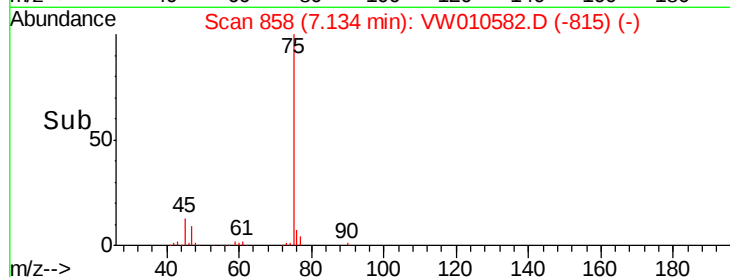
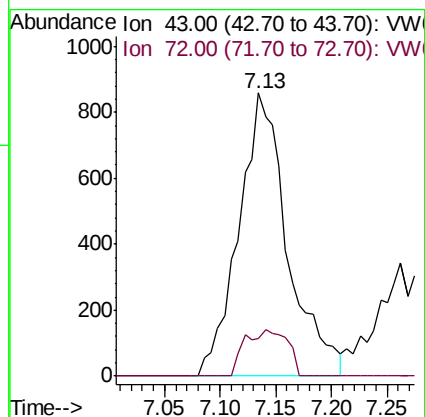
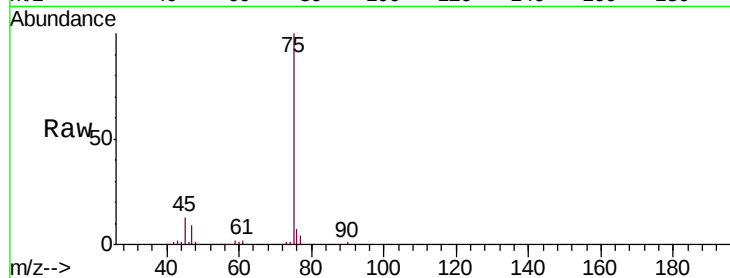
VW0529SBL01

Tgt Ion: 43 Resp: 2621

Ion Ratio Lower Upper

43 100

72 13.2 24.1 36.1#



#26

2,2-Dichloropropane

Concen: 1.501 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010582.D

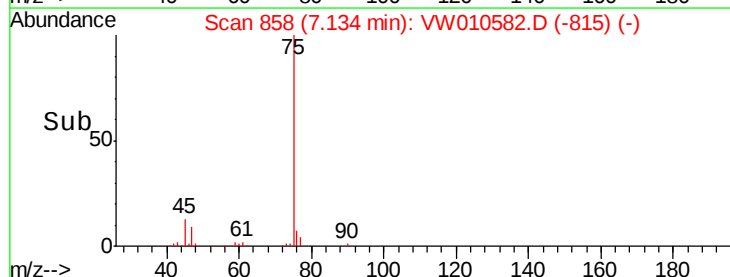
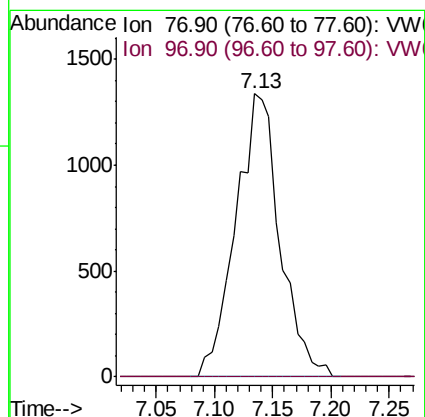
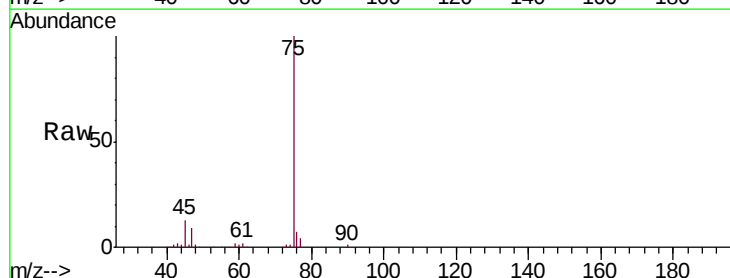
Acq: 29 May 2019 11:04

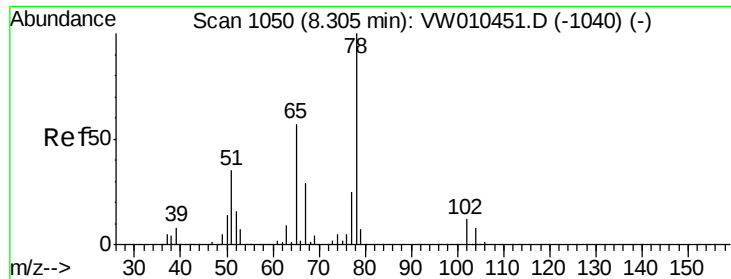
Tgt Ion: 77 Resp: 3517

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

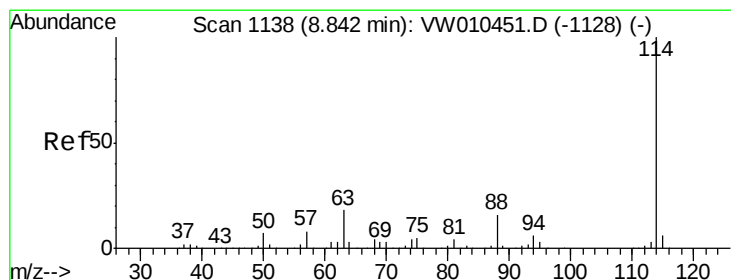
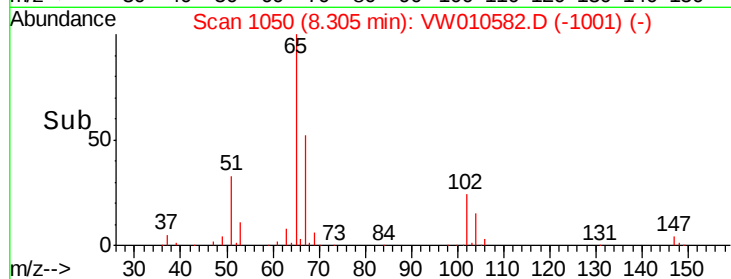
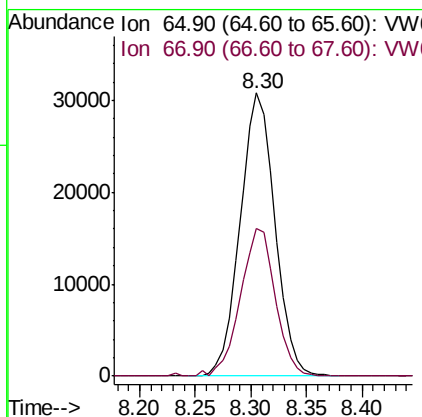
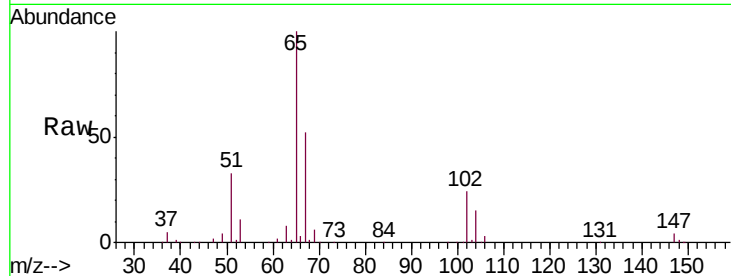




#33
 1,2-Dichloroethane-d4
 Concen: 49.271 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010582.D
 Acq: 29 May 2019 11:04

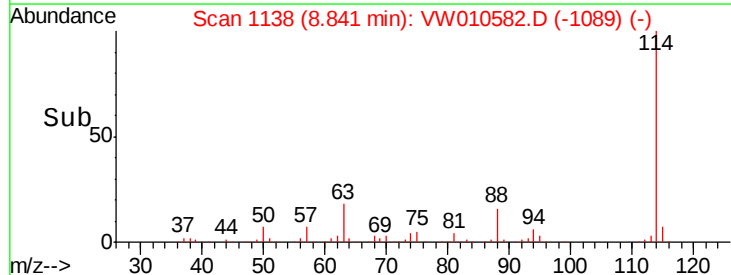
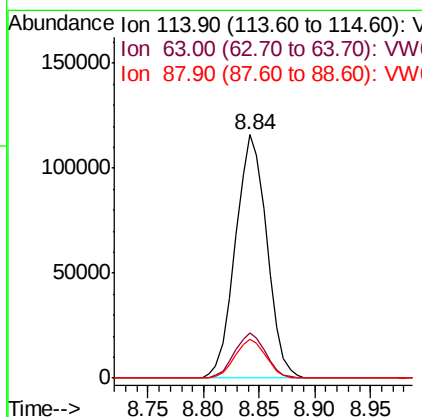
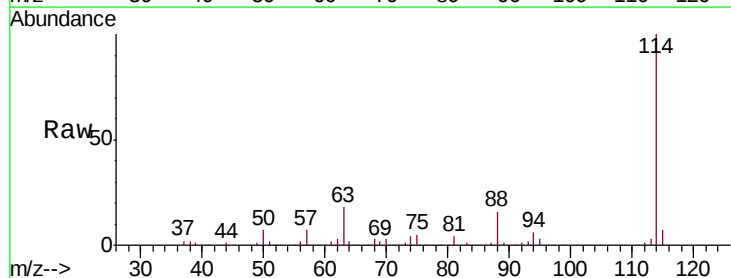
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBL01

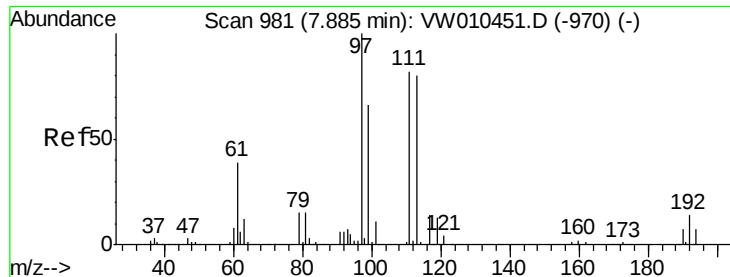
Tgt Ion: 65 Resp: 66866
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010582.D
 Acq: 29 May 2019 11:04

Tgt Ion: 114 Resp: 226394
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.0
 88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.317 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010582.D

Acq: 29 May 2019 11:04

Instrument :
MSVOA_W
ClientSampleId :
VW0529SBL01

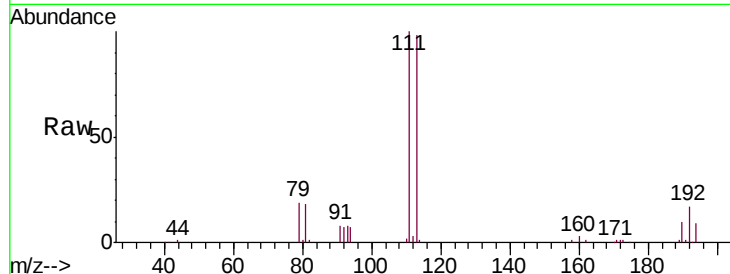
Tgt Ion:113 Resp: 67748

Ion Ratio Lower Upper

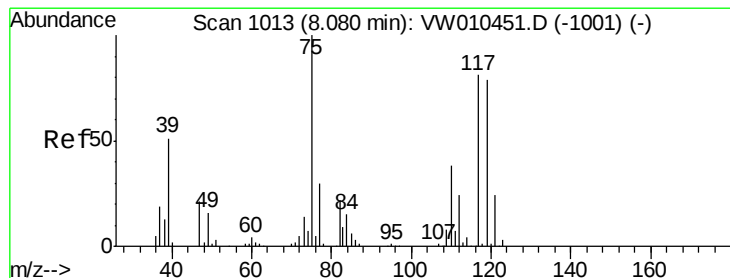
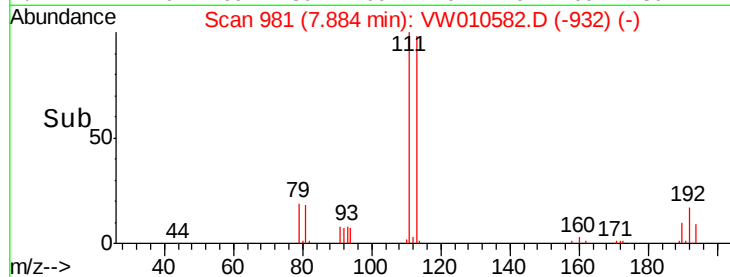
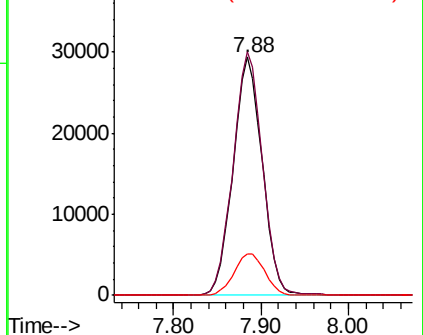
113 100

111 103.3 82.2 123.4

192 18.5 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: 4.570 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010582.D

Acq: 29 May 2019 11:04

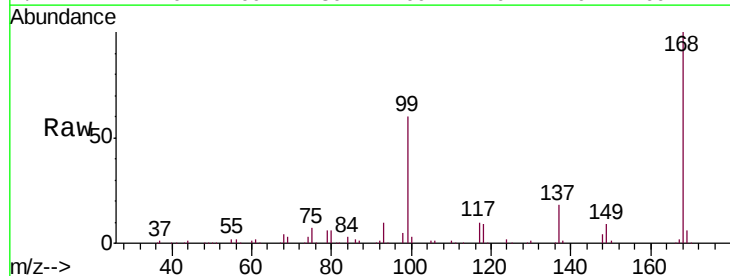
Tgt Ion: 75 Resp: 9639

Ion Ratio Lower Upper

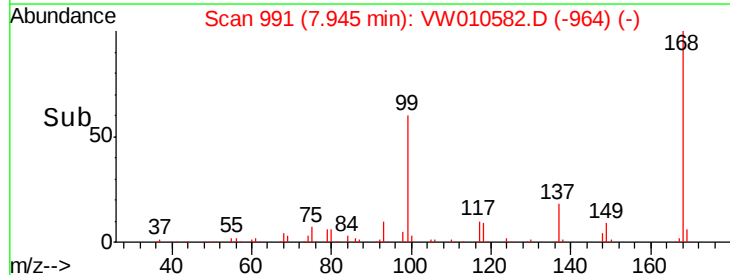
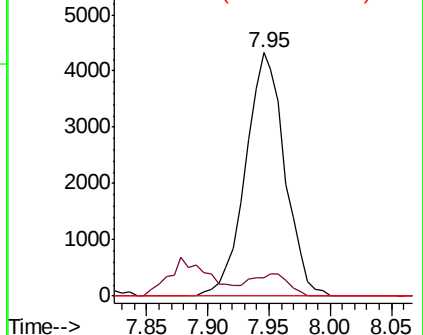
75 100

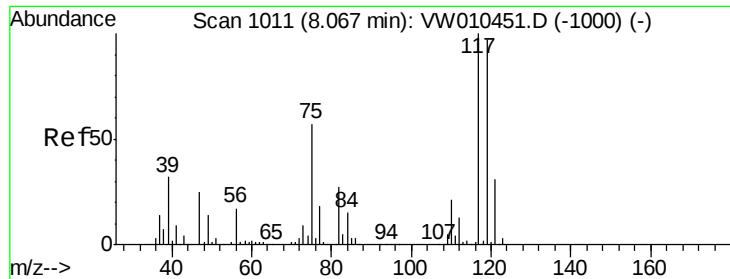
110 9.2 19.2 57.6#

77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010582.D

Acq: 29 May 2019 11:04

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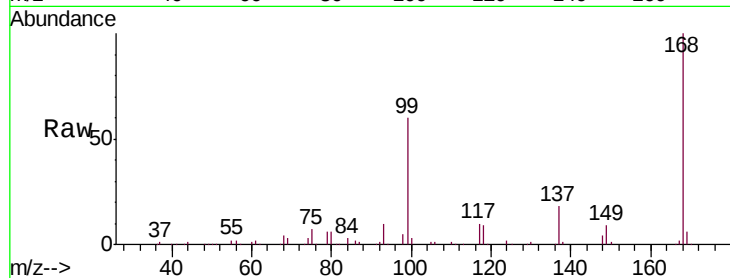
Tgt Ion:117 Resp: 13260

Ion Ratio Lower Upper

117 100

119 3.8 77.4 116.0#

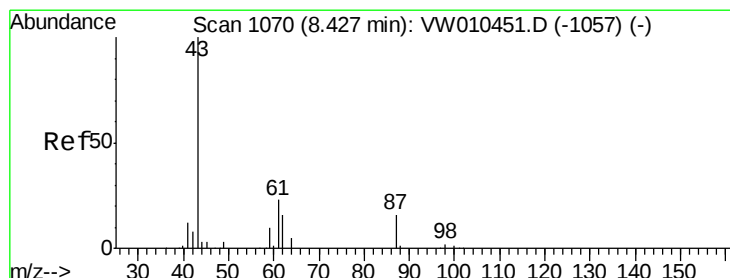
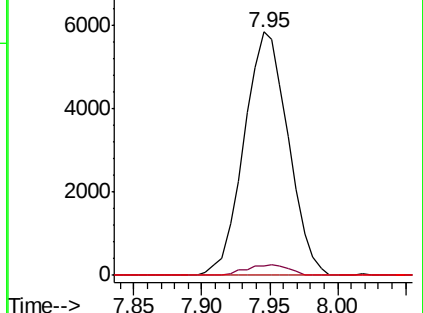
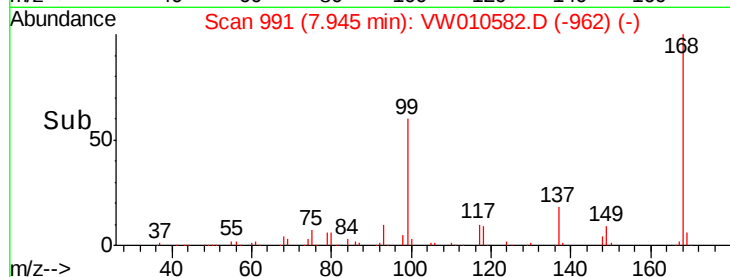
121 0.0 25.0 37.6#



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



#43

Isopropyl Acetate

Concen: 1.365 ug/l

RT: 8.26 min Scan# 1043

Delta R.T. -0.16 min

Lab File: VW010582.D

Acq: 29 May 2019 11:04

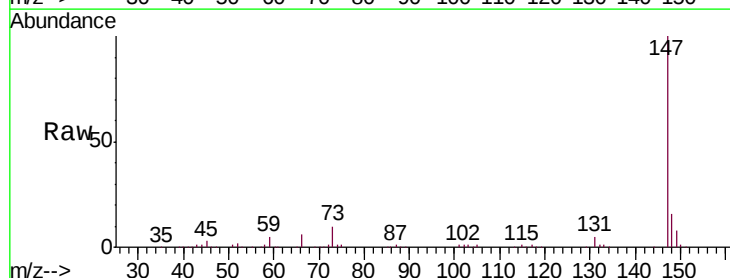
Tgt Ion: 43 Resp: 2446

Ion Ratio Lower Upper

43 100

61 13.4 25.4 38.2#

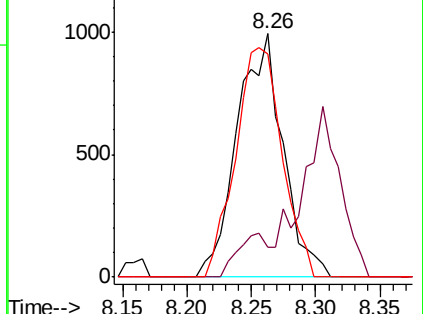
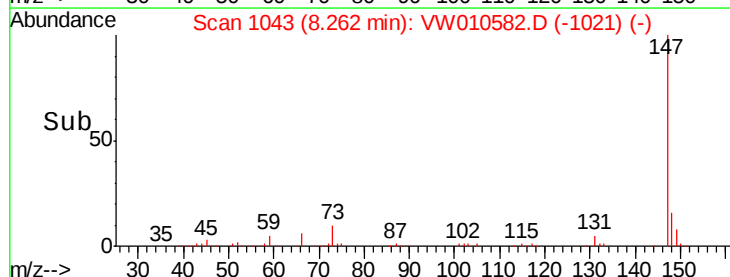
87 95.8 12.7 19.1#

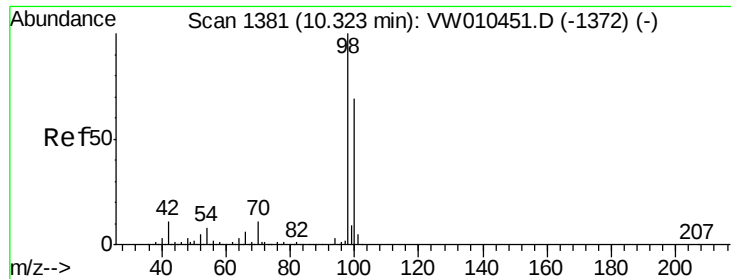


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#50

Toluene-d8

Concen: 52.224 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010582.D

Acq: 29 May 2019 11:04

Instrument :

MSVOA_W

ClientSampleId :

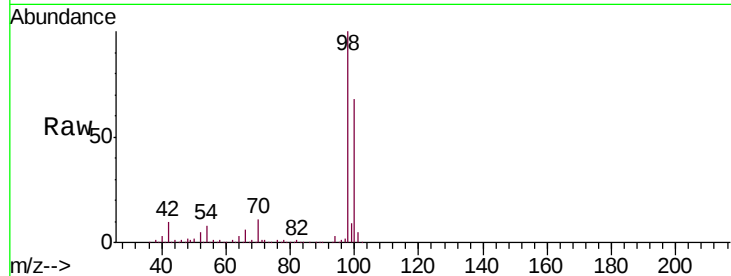
VW0529SBL01

Tgt Ion: 98 Resp: 274069

Ion Ratio Lower Upper

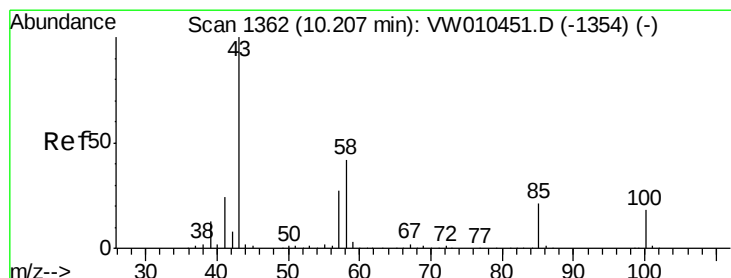
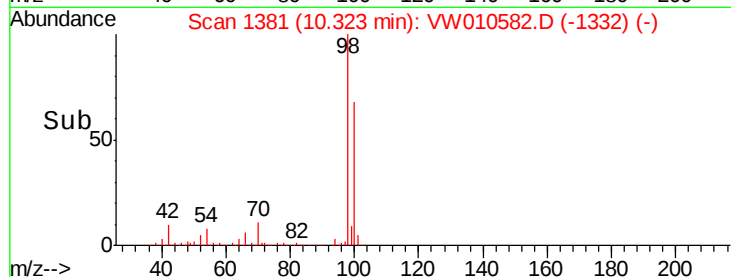
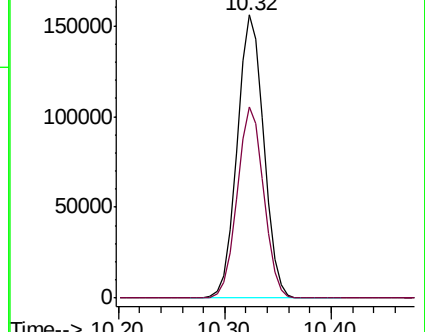
98 100

100 67.0 53.7 80.5



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: 1.245 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010582.D

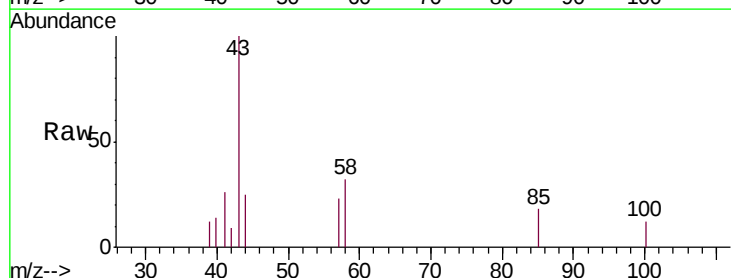
Acq: 29 May 2019 11:04

Tgt Ion: 43 Resp: 1130

Ion Ratio Lower Upper

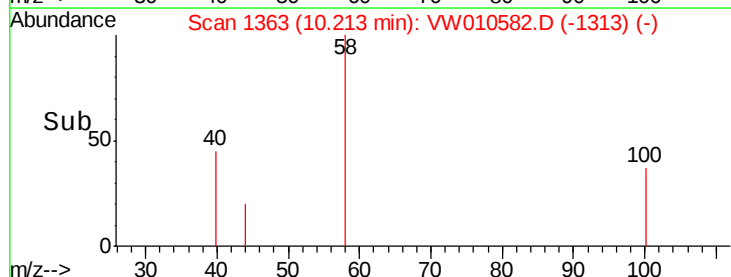
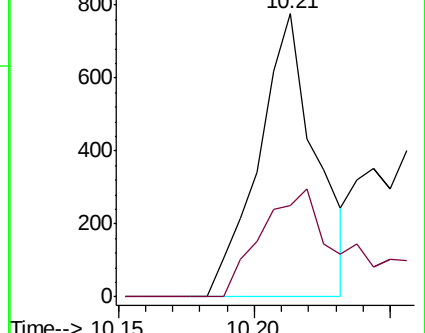
43 100

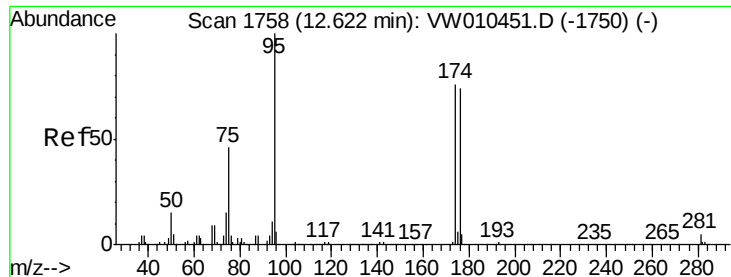
58 56.2 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

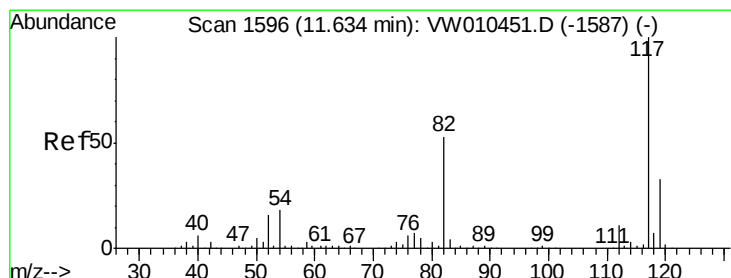
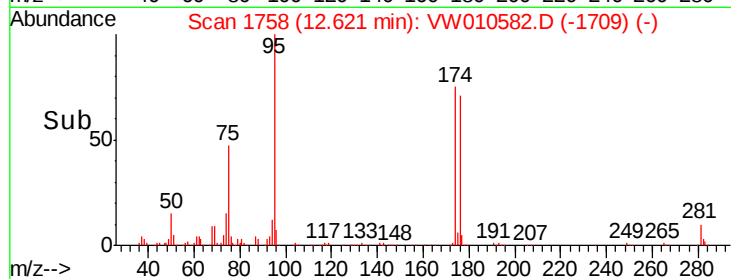
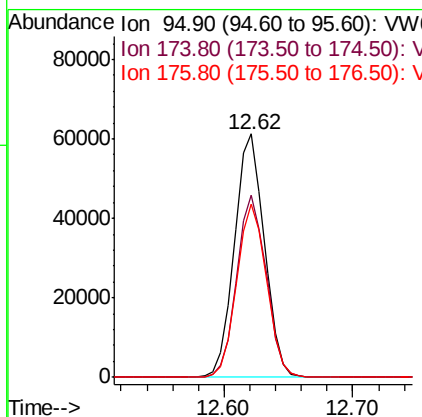
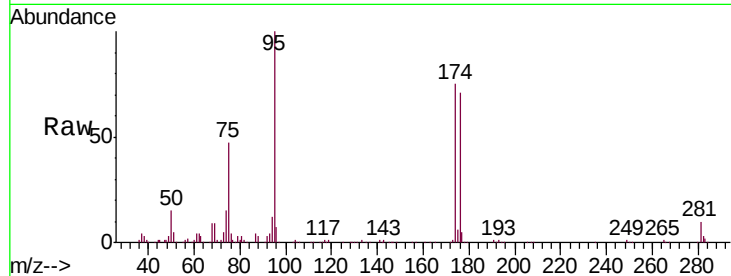




#62
4-Bromofluorobenzene
Concen: 47.176 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010582.D
Acq: 29 May 2019 11:04

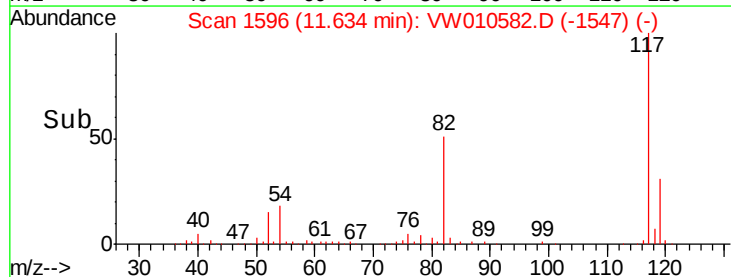
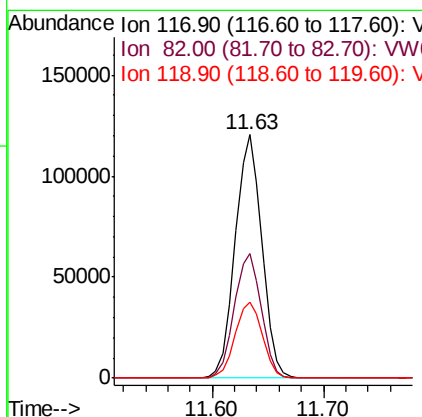
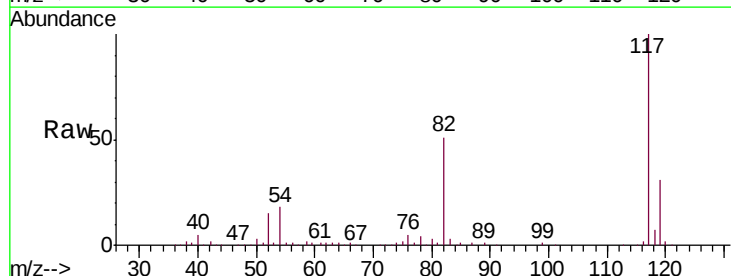
Instrument :
MSVOA_W
ClientSampleId :
VW0529SBL01

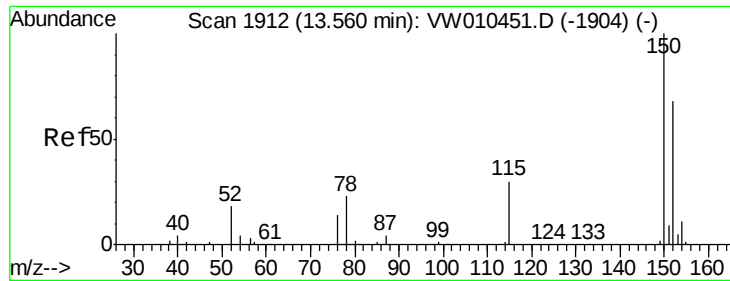
Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	148.6
176	70.7	0.0	144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010582.D
Acq: 29 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.8	64.2
119	31.3	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: VW010582.D

Acq: 29 May 2019 11:04

Instrument :

MSVOA_W

ClientSampleId :

VW0529SBL01

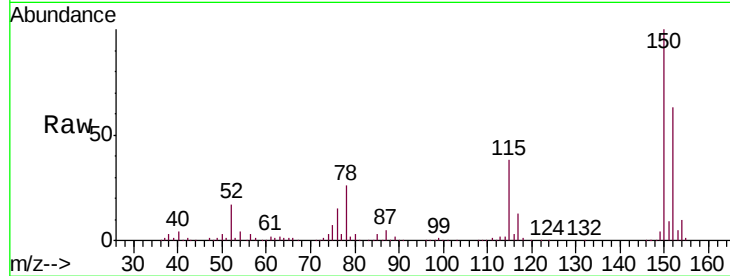
Tgt Ion:152 Resp: 86875

Ion Ratio Lower Upper

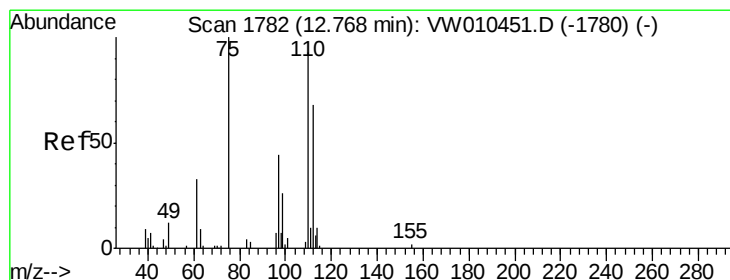
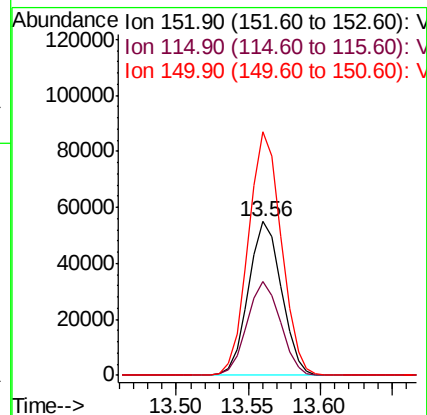
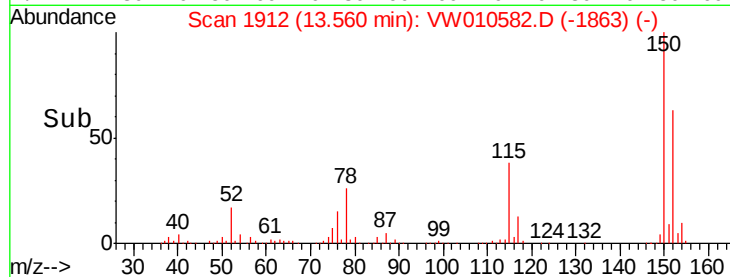
152 100

115 61.8 30.3 91.0

150 158.3 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: 53.527 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010582.D

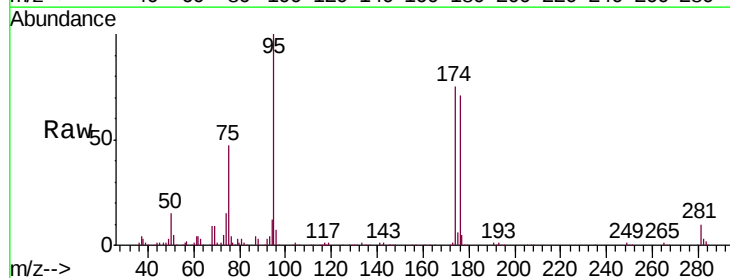
Acq: 29 May 2019 11:04

Tgt Ion: 75 Resp: 47202

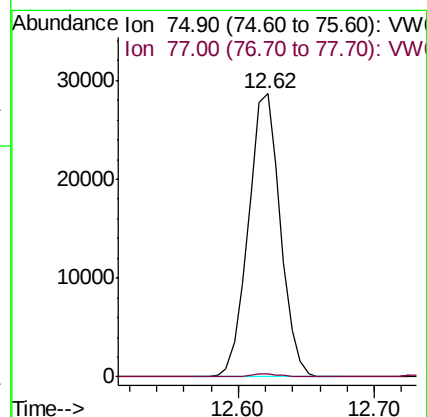
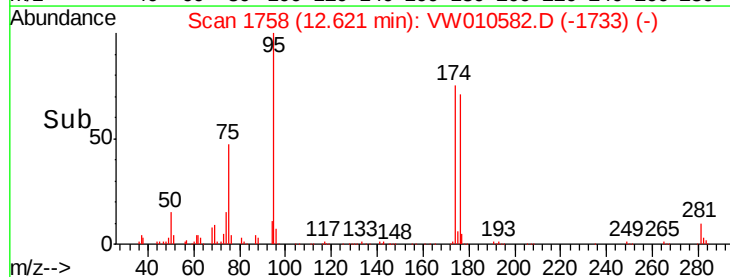
Ion Ratio Lower Upper

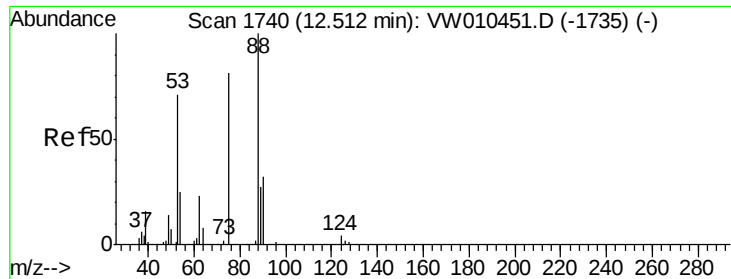
75 100

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

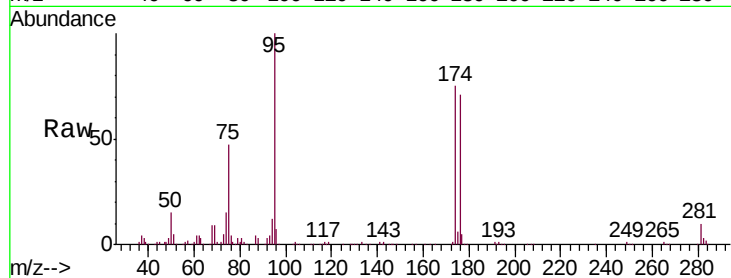




#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.712 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010582.D
 Acq: 29 May 2019 11:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0529SBL01

Tgt Ion: 75 Resp: 47202
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.8#
 89 0.1 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 53.00 (52.70 to 53.70): VW
 Ion 88.90 (88.60 to 89.60): VW

