

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
 Data File : VW007414.D
 Acq On : 12 Dec 2018 01:20
 Operator : SY/AP
 Sample : J6240-01
 Misc : 7.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0635

Quant Time: Dec 12 05:06:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	51950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	110281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	107466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48190	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	37804	65.59	ug/l	0.00
Spiked Amount			Recovery	=	131.18%	
35) Dibromofluoromethane	7.88	113	32972	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.32	98	109560	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	
62) 4-Bromofluorobenzene	12.62	95	42936	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	

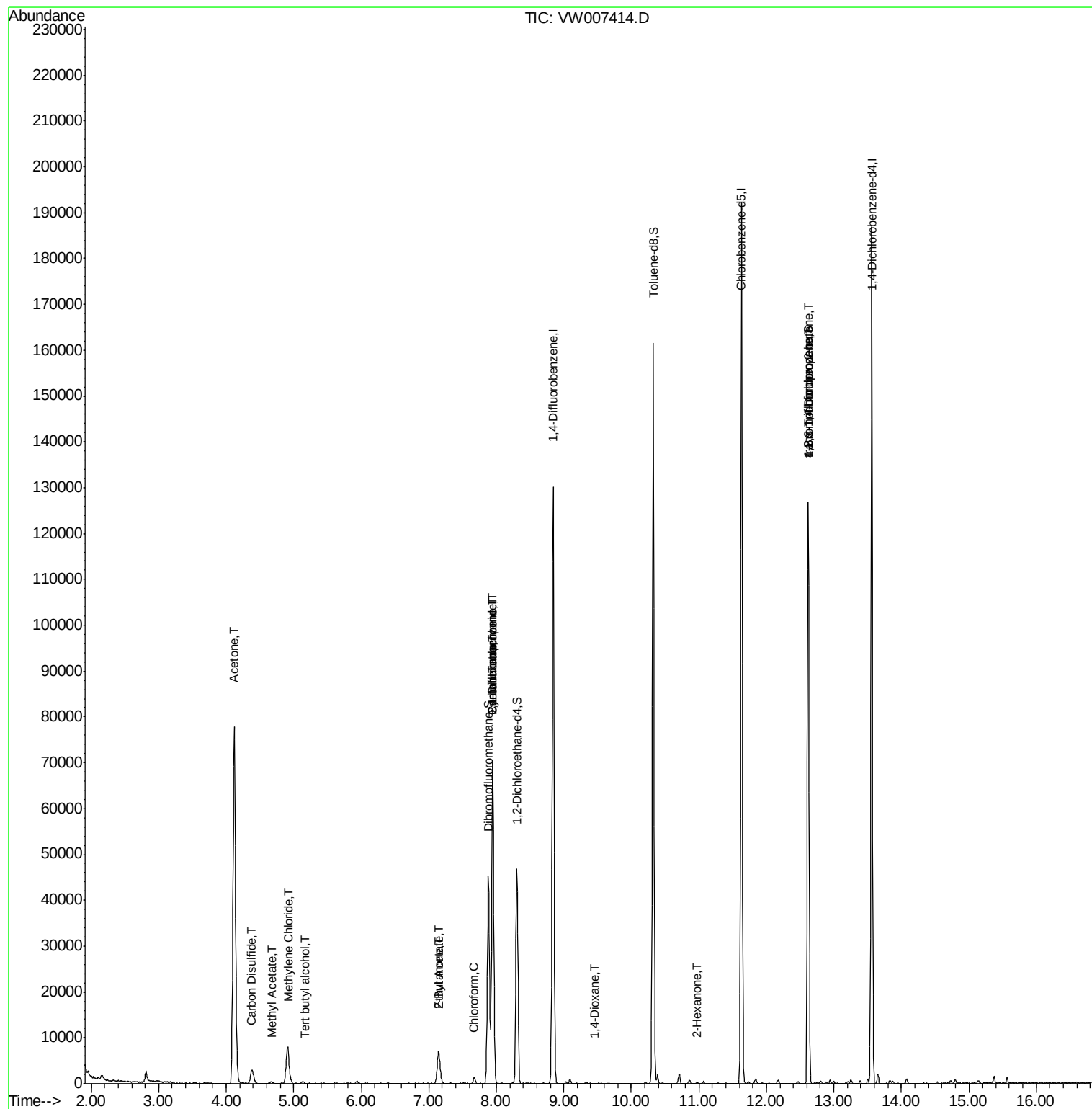
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	104	2.627	ug/l #	74
16) Acetone	4.12	43	132666	1317.829	ug/l	97
17) Carbon Disulfide	4.37	76	3583	2.319	ug/l	99
18) Methyl Acetate	4.68	43	963	3.525	ug/l #	67
20) Methylene Chloride	4.91	84	6768	9.088	ug/l	92
25) 2-Butanone	7.16	43	884	6.726	ug/l #	45
30) Chloroform	7.68	83	1301	1.225	ug/l	97
31) Cyclohexane	7.95	56	1091	1.219	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	4085	4.061	ug/l #	50
37) Ethyl Acetate	7.16	43	884	2.363	ug/l #	1
38) Carbon Tetrachloride	7.95	117	5718	5.224	ug/l #	17
49) 1,4-Dioxane	9.45	88	55	9.239	ug/l #	26
59) 2-Hexanone	10.96	43	269	1.155	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	21701	54.616	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	21701	120.646	ug/l #	7

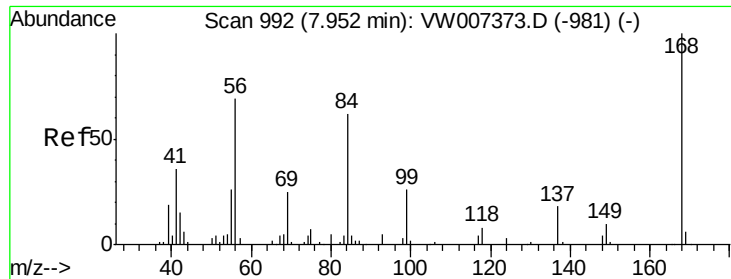
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007414.D

Acq: 12 Dec 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

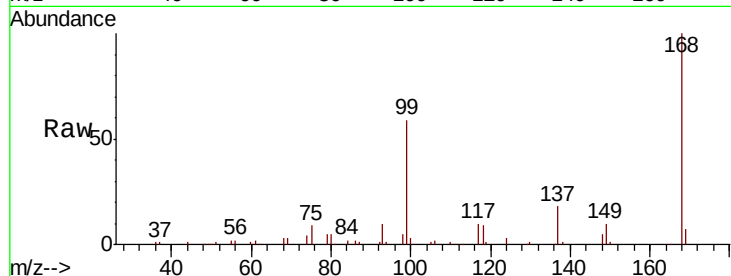
S32-0635

Tgt Ion:168 Resp: 51950

Ion Ratio Lower Upper

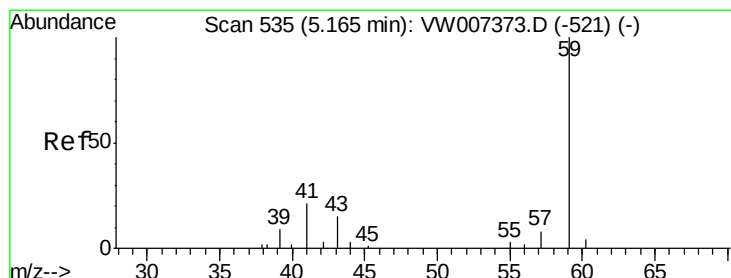
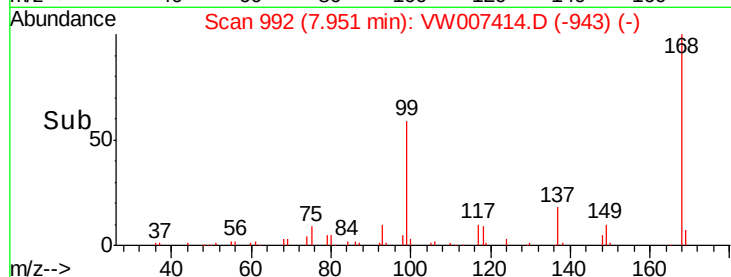
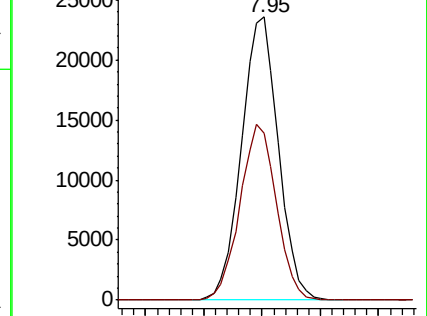
168 100

99 59.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.627 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW007414.D

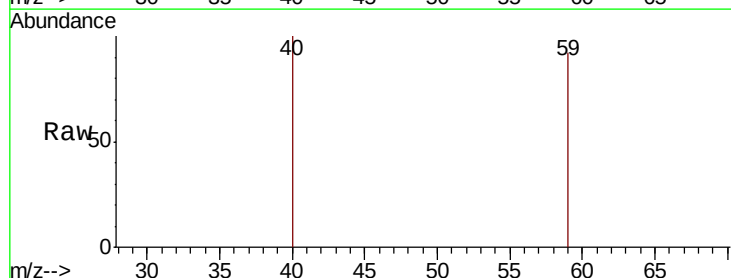
Acq: 12 Dec 2018 01:20

Tgt Ion: 59 Resp: 104

Ion Ratio Lower Upper

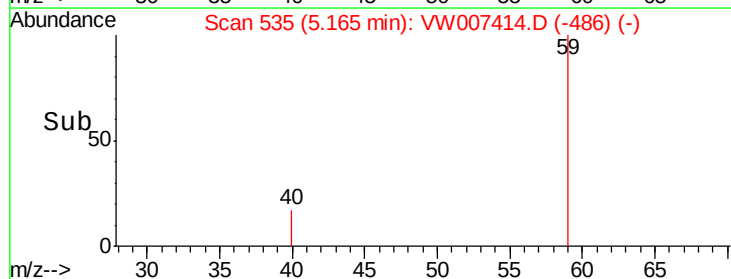
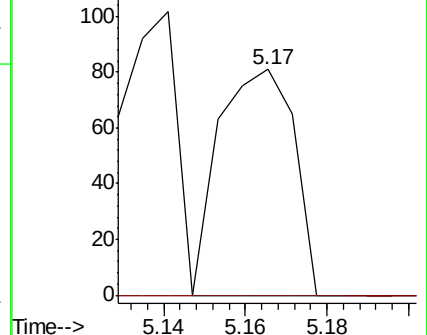
59 100

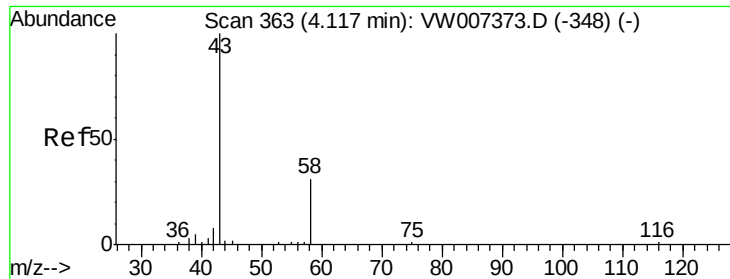
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1317.829 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007414.D

Acq: 12 Dec 2018 01:20

Instrument :

MSVOA_W

ClientSampled :

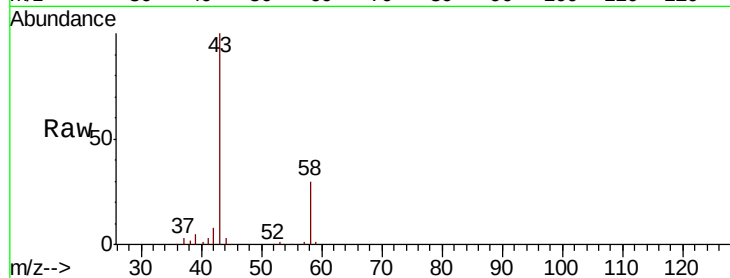
S32-0635

Tgt Ion: 43 Resp: 132666

Ion Ratio Lower Upper

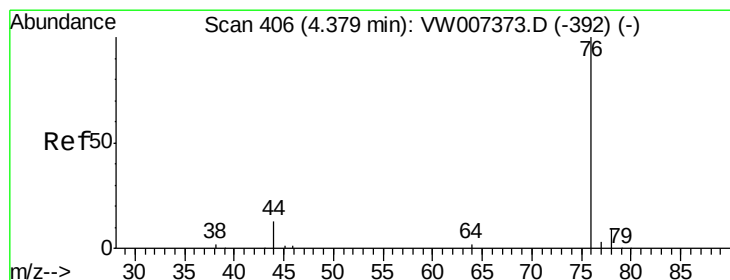
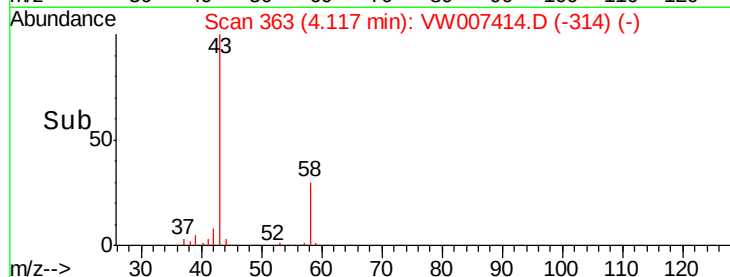
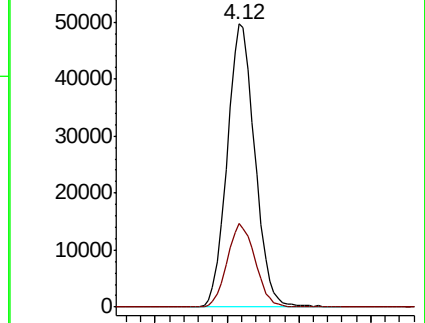
43 100

58 29.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 2.319 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007414.D

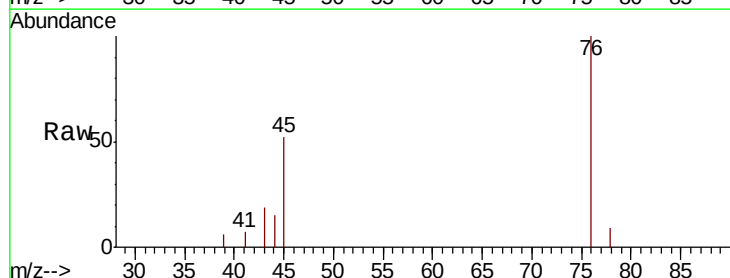
Acq: 12 Dec 2018 01:20

Tgt Ion: 76 Resp: 3583

Ion Ratio Lower Upper

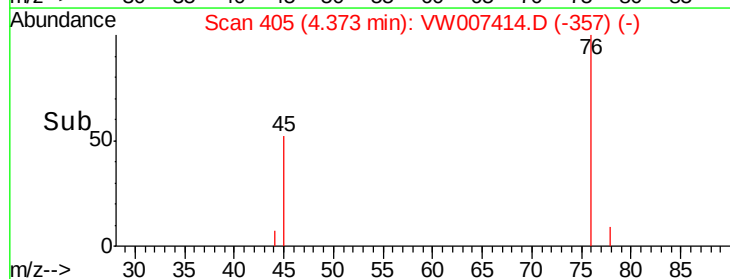
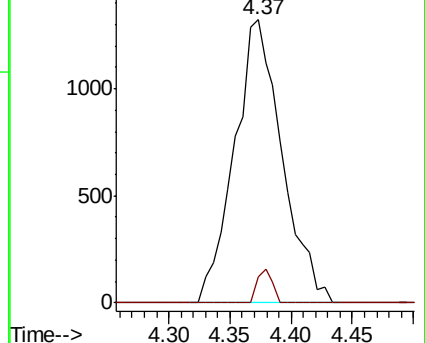
76 100

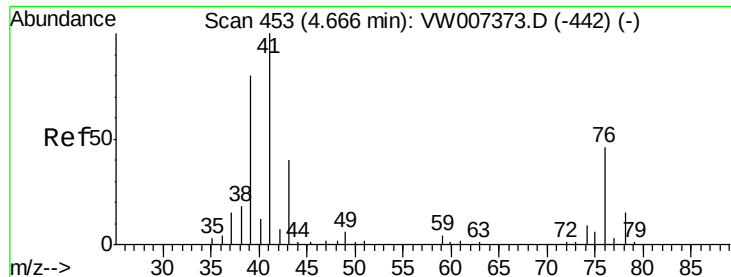
78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#18

Methyl Acetate

Concen: 3.525 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW007414.D

Acq: 12 Dec 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

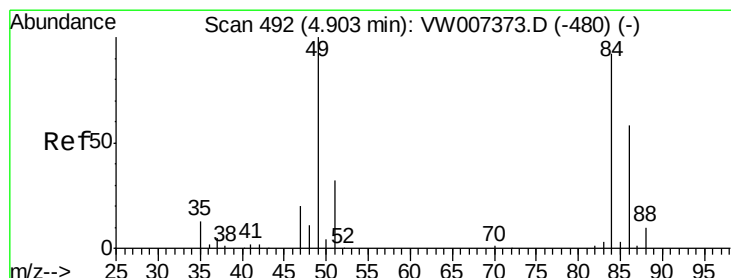
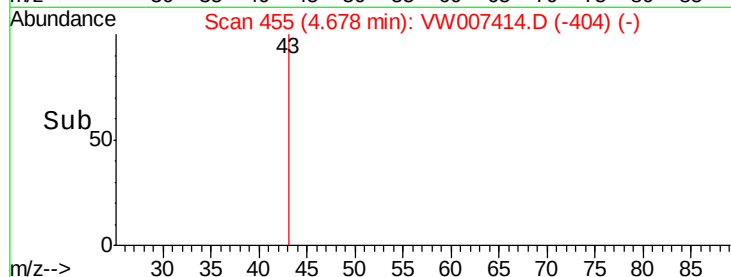
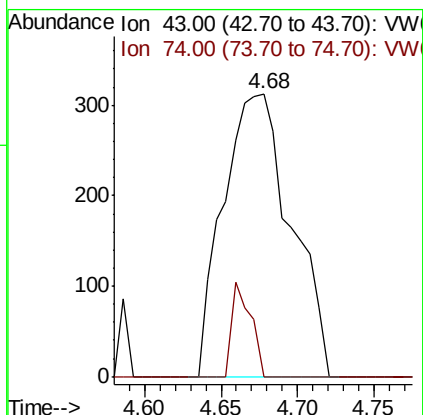
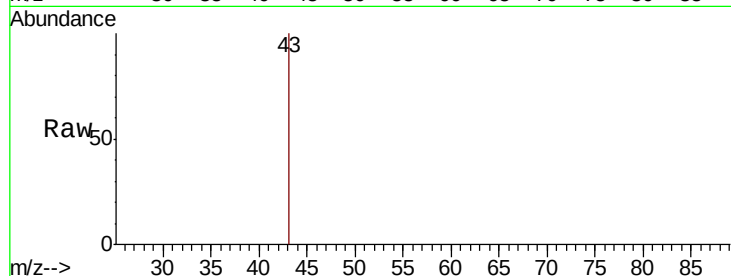
S32-0635

Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

74 9.2 21.1 31.7#



#20

Methylene Chloride

Concen: 9.088 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007414.D

Acq: 12 Dec 2018 01:20

Tgt Ion: 84 Resp: 6768

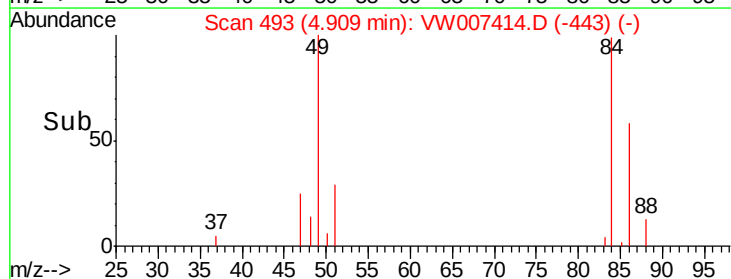
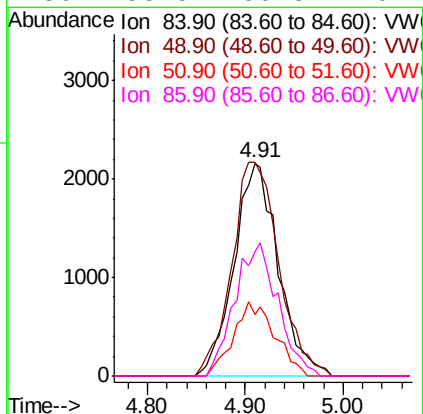
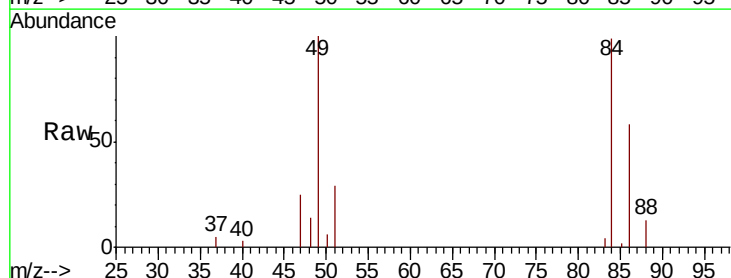
Ion Ratio Lower Upper

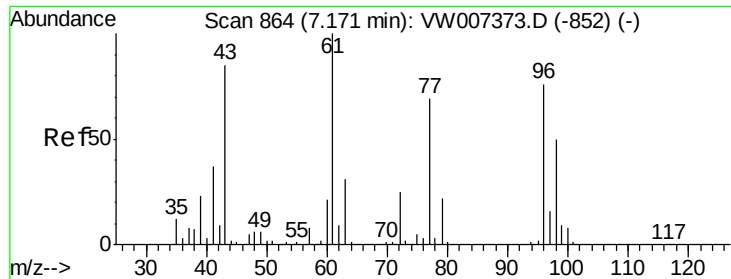
84 100

49 100.5 87.1 130.7

51 28.9 28.2 42.2

86 58.5 50.8 76.2





#25

2-Butanone

Concen: 6.726 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007414.D

Acq: 12 Dec 2018 01:20

Instrument :

MSVOA_W

ClientSampled :

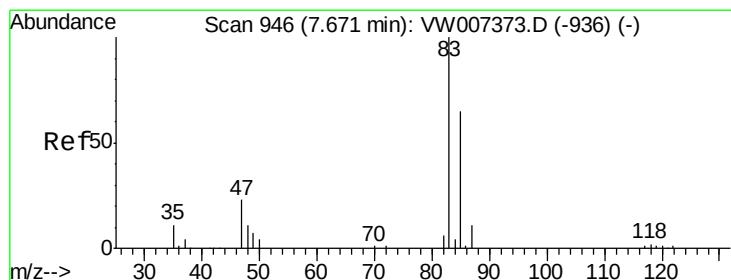
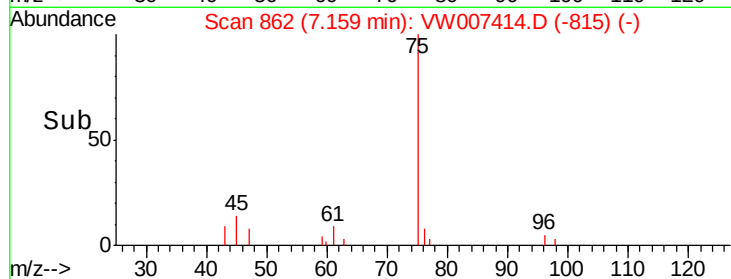
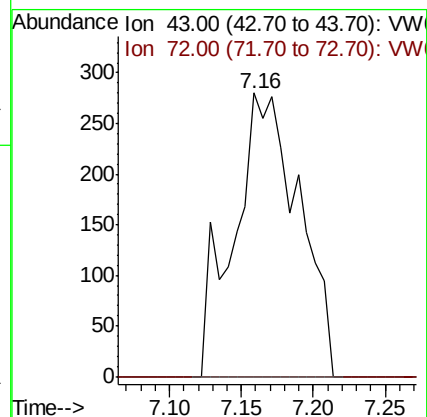
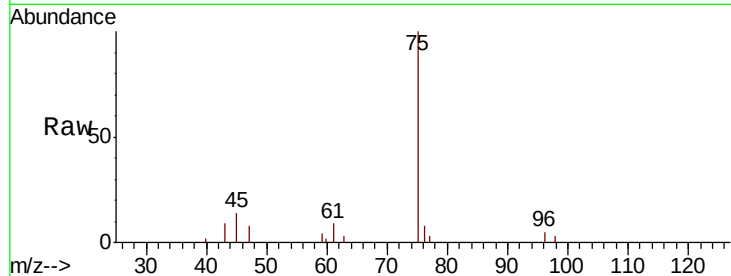
S32-0635

Tgt Ion: 43 Resp: 884

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#



#30

Chloroform

Concen: 1.225 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007414.D

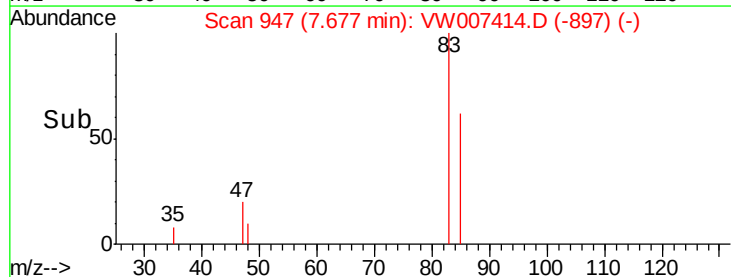
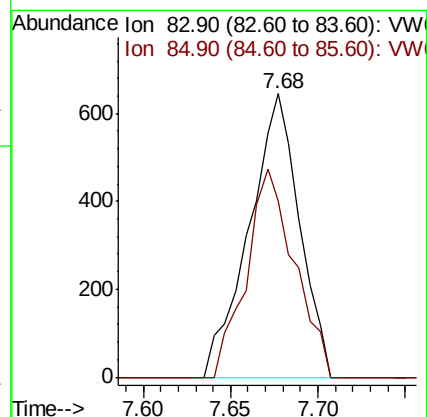
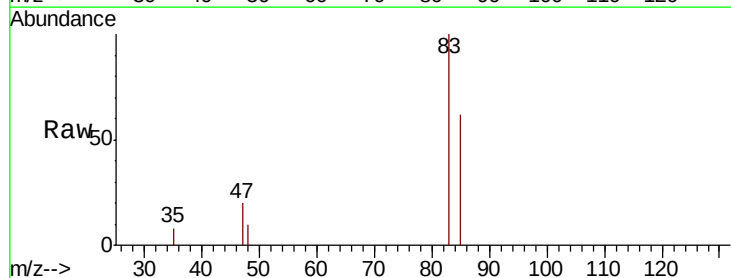
Acq: 12 Dec 2018 01:20

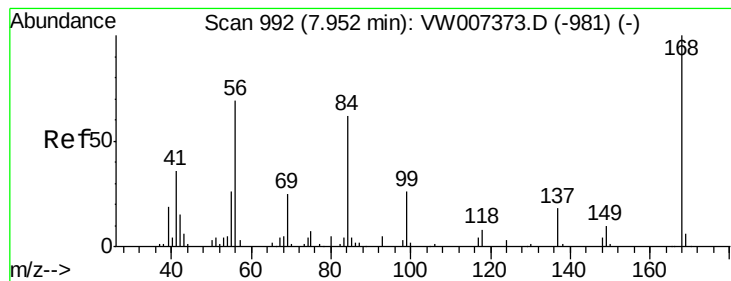
Tgt Ion: 83 Resp: 1301

Ion Ratio Lower Upper

83 100

85 62.2 51.8 77.8





#31

Cyclohexane

Concen: 1.219 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007414.D

Acq: 12 Dec 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

S32-0635

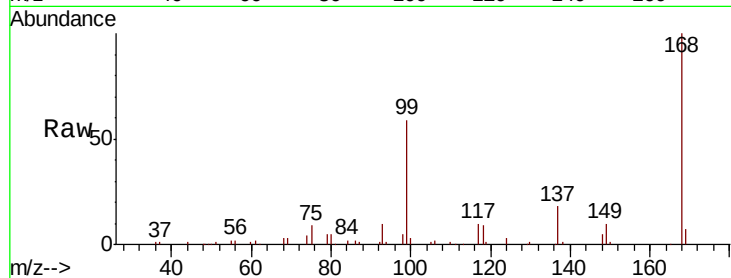
Tgt Ion: 56 Resp: 1091

Ion Ratio Lower Upper

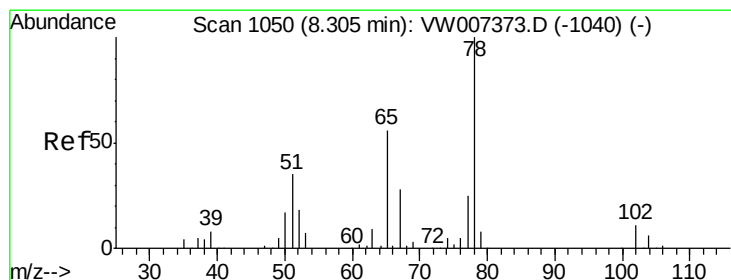
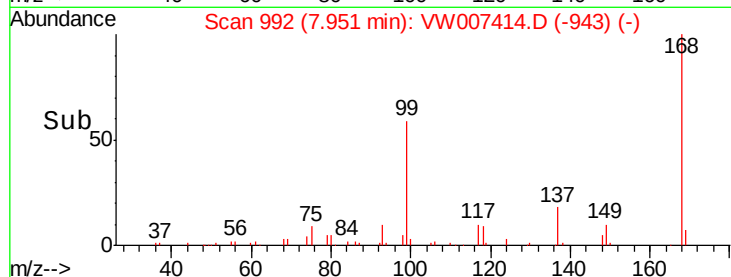
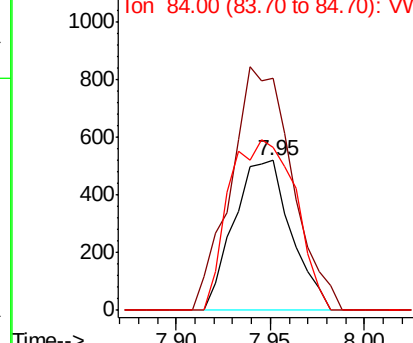
56 100

69 154.9 28.9 43.3#

84 108.9 71.8 107.6#



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: 65.593 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007414.D

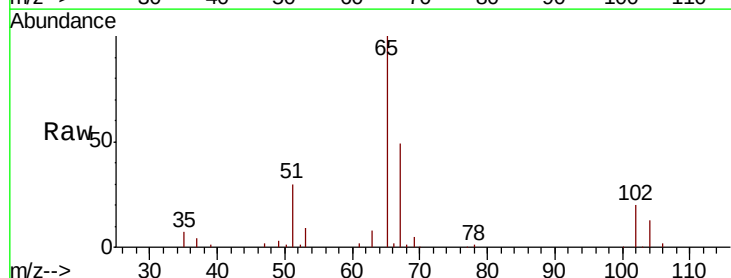
Acq: 12 Dec 2018 01:20

Tgt Ion: 65 Resp: 37804

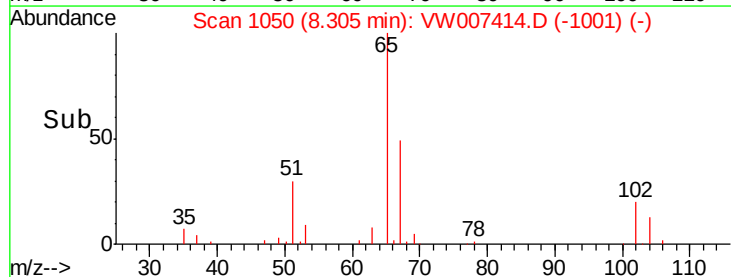
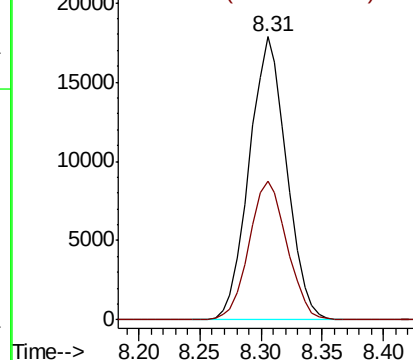
Ion Ratio Lower Upper

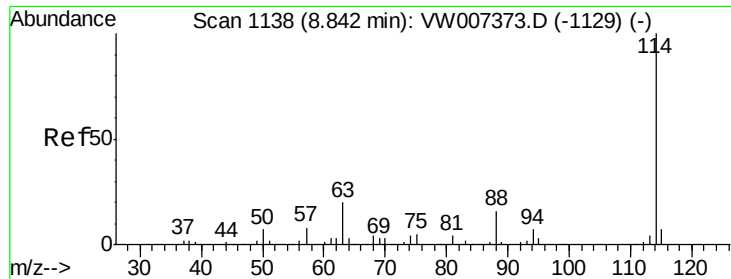
65 100

67 50.0 0.0 101.6



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

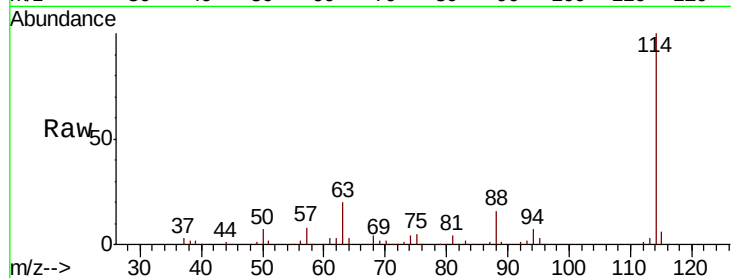




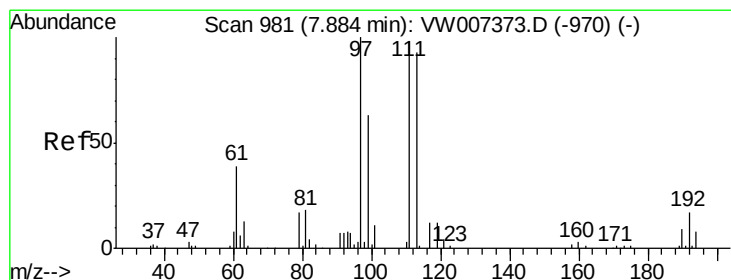
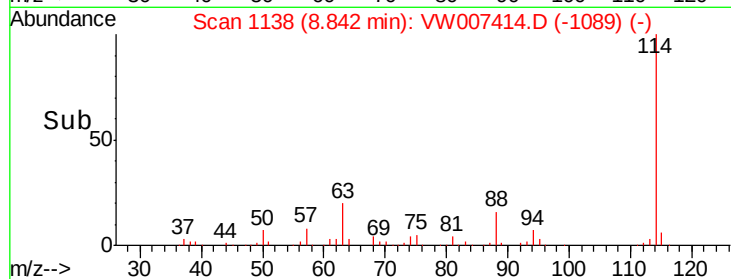
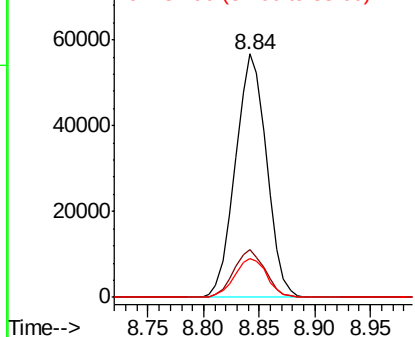
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007414.D
 Acq: 12 Dec 2018 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0635

Tgt Ion:114 Resp: 110281
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.6
 88 16.1 0.0 31.4

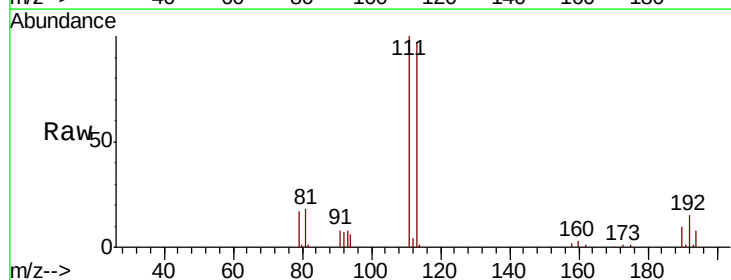


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

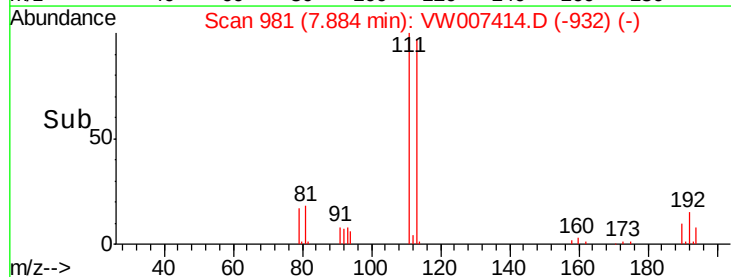
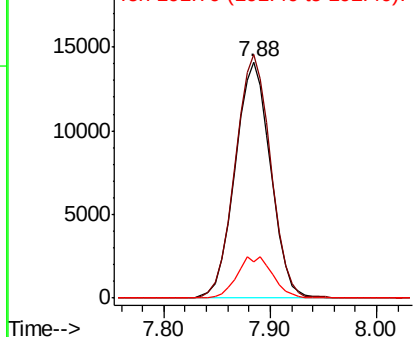


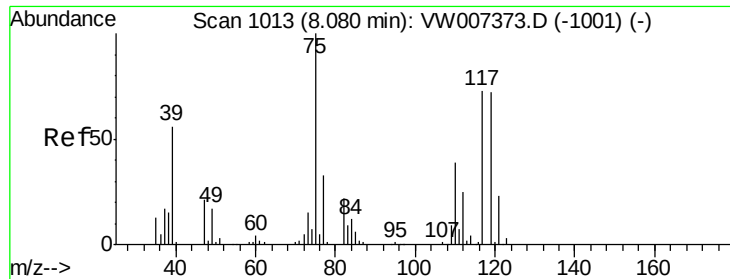
#35
 Dibromofluoromethane
 Concen: 49.391 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007414.D
 Acq: 12 Dec 2018 01:20

Tgt Ion:113 Resp: 32972
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.1 121.7
 192 17.6 14.6 21.8



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

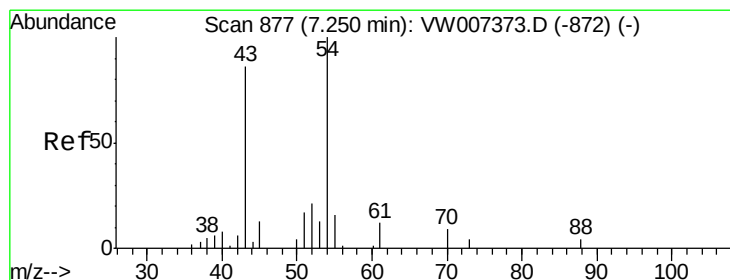
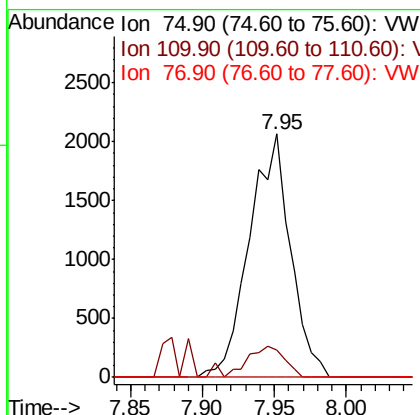
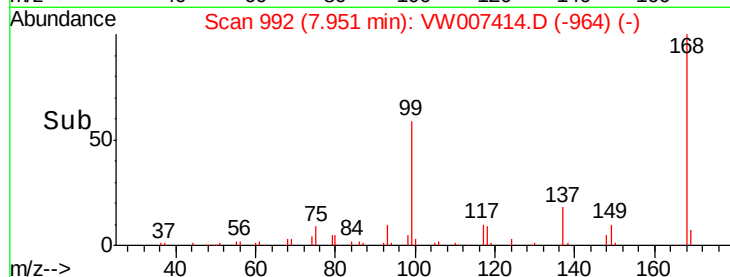
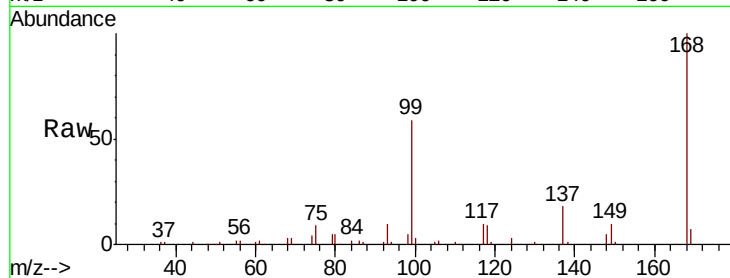




#36
 1,1-Dichloropropene
 Concen: 4.061 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007414.D
 Acq: 12 Dec 2018 01:20

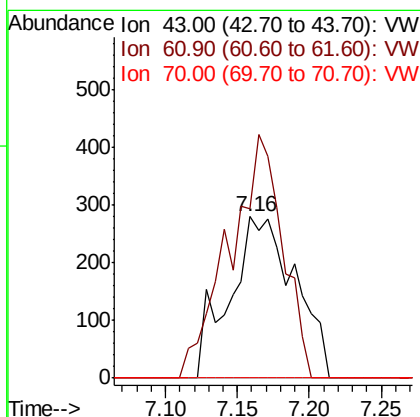
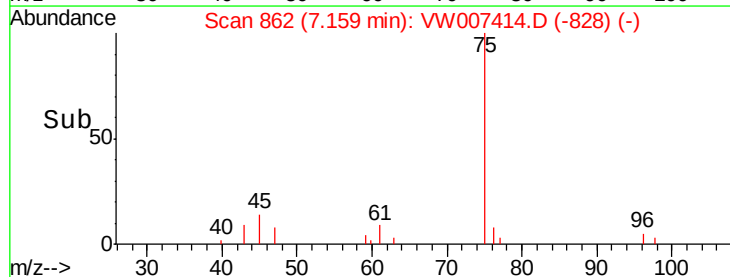
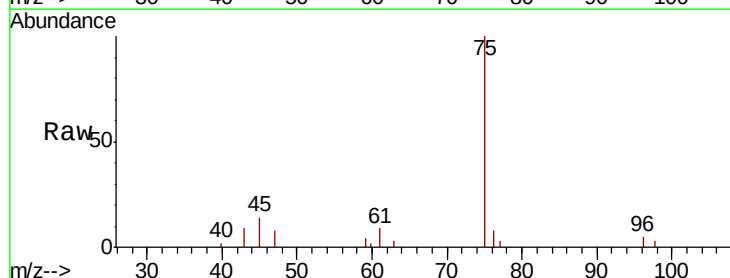
Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0635

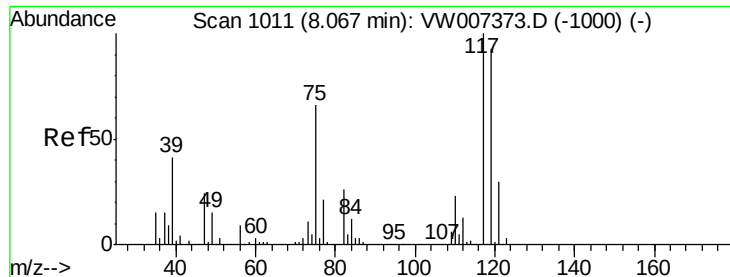
Tgt Ion: 75 Resp: 4085
 Ion Ratio Lower Upper
 75 100
 110 11.3 18.5 55.5#
 77 0.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 2.363 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.09 min
 Lab File: VW007414.D
 Acq: 12 Dec 2018 01:20

Tgt Ion: 43 Resp: 884
 Ion Ratio Lower Upper
 43 100
 61 122.3 12.1 18.1#
 70 0.0 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 5.224 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007414.D

Acq: 12 Dec 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

S32-0635

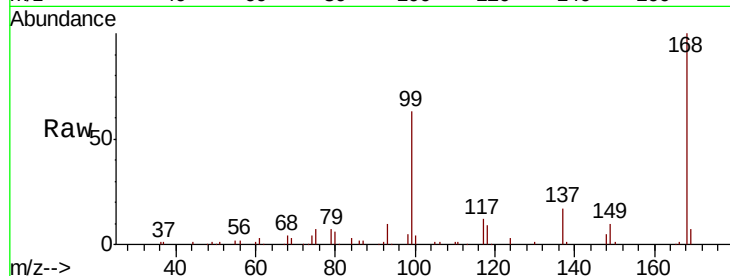
Tgt Ion:117 Resp: 5718

Ion Ratio Lower Upper

117 100

119 4.1 74.3 111.5#

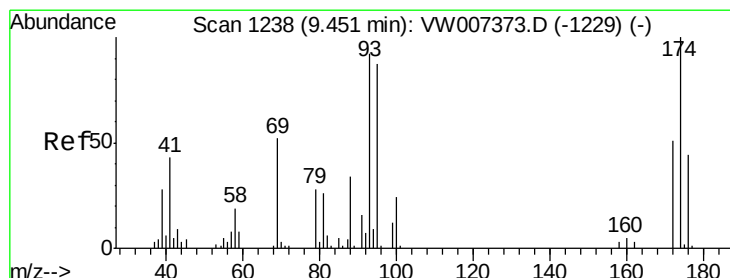
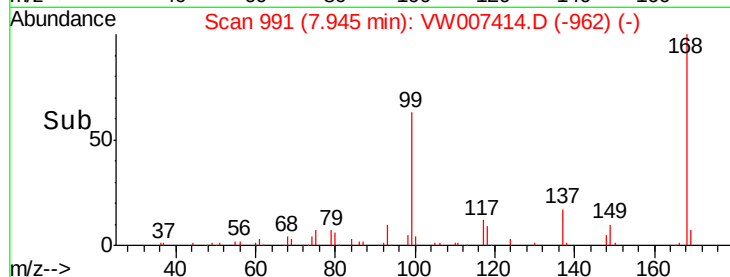
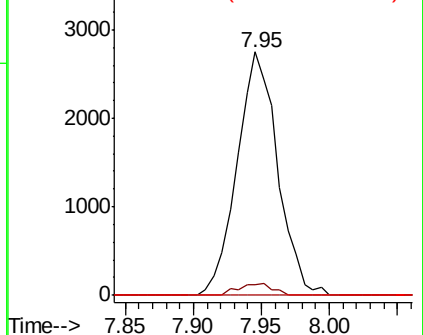
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 9.239 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW007414.D

Acq: 12 Dec 2018 01:20

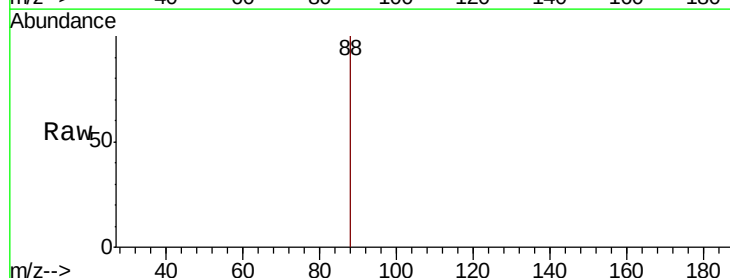
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

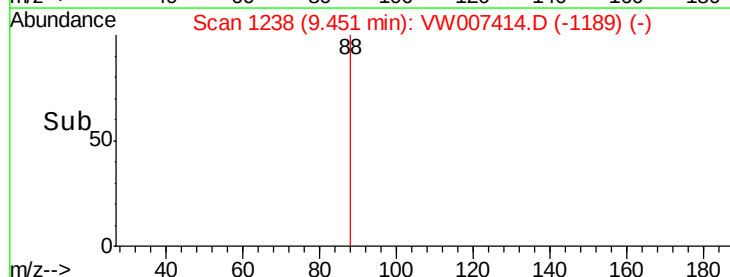
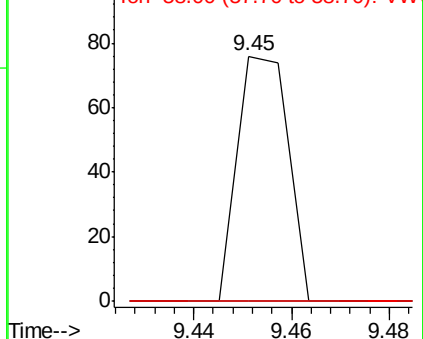
58 0.0 51.4 77.2#

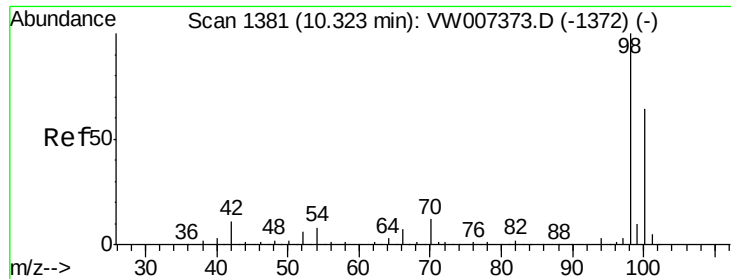


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

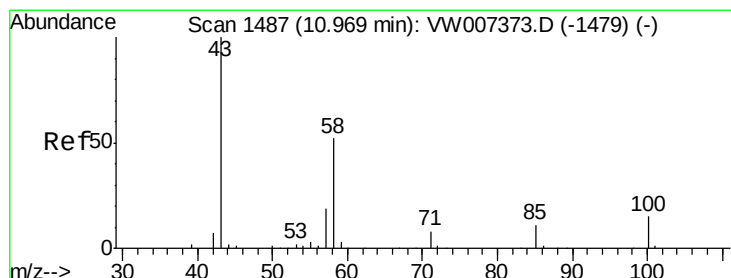
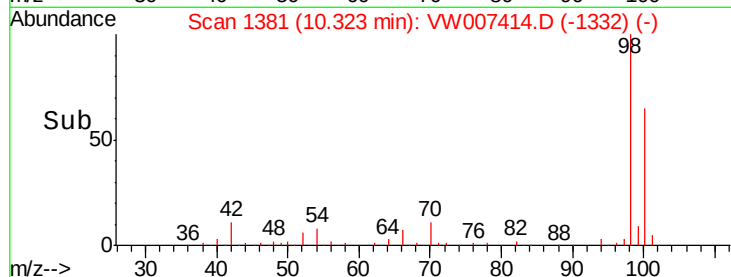
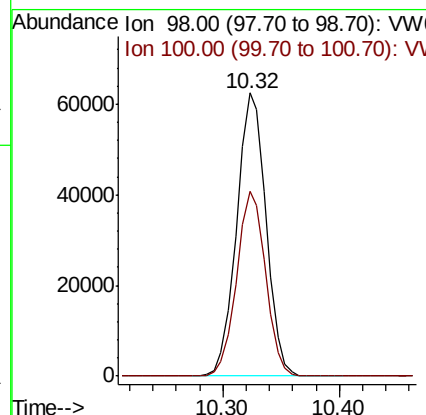
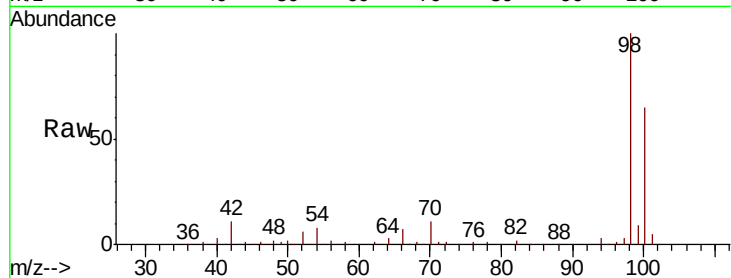




#50
Toluene-d8
Concen: 43.771 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007414.D
Acq: 12 Dec 2018 01:20

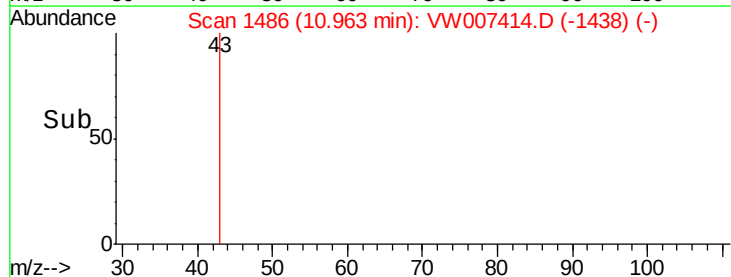
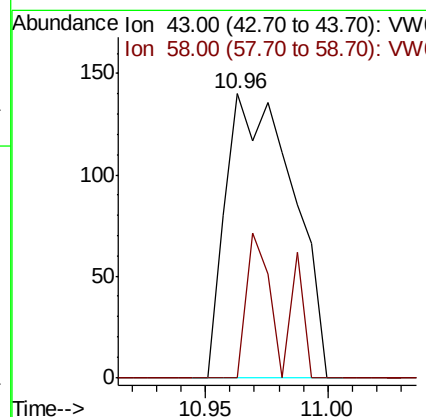
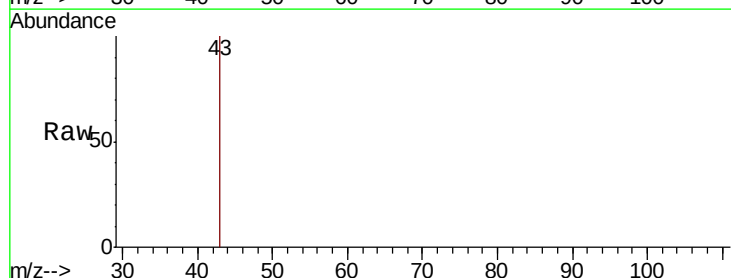
Instrument :
MSVOA_W
ClientSampled :
S32-0635

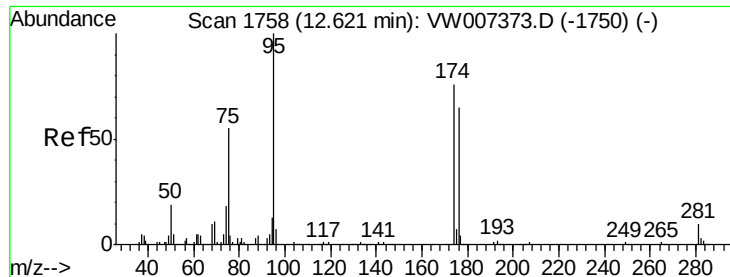
Tgt Ion: 98 Resp: 109560
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#59
2-Hexanone
Concen: 1.155 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW007414.D
Acq: 12 Dec 2018 01:20

Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
58 16.7 27.1 81.3#

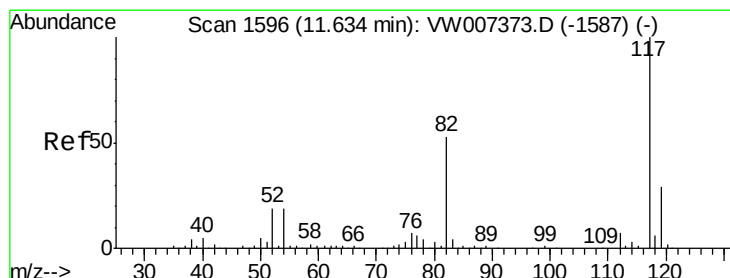
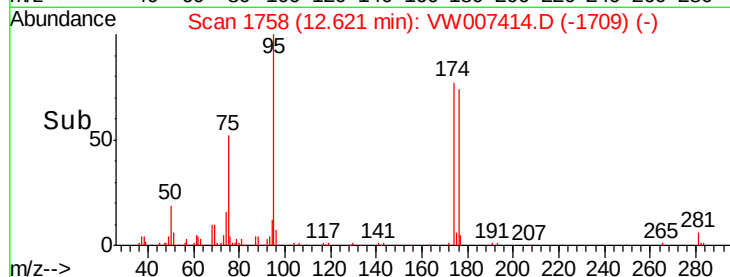
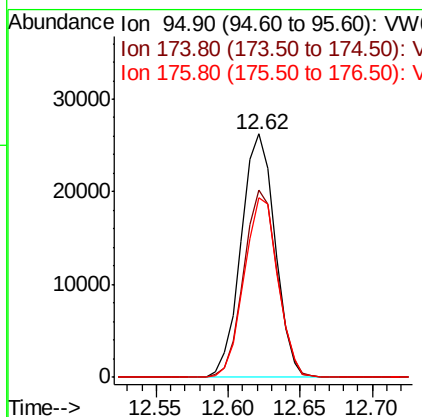
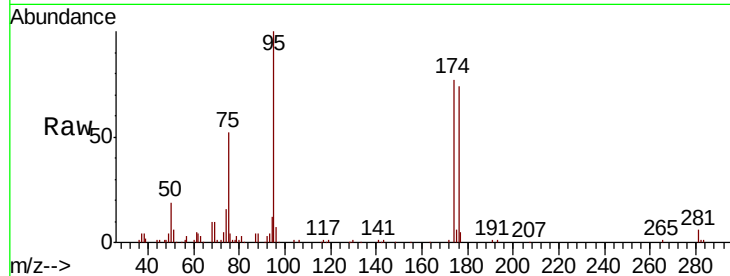




#62
4-Bromofluorobenzene
Concen: 46.654 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007414.D
Acq: 12 Dec 2018 01:20

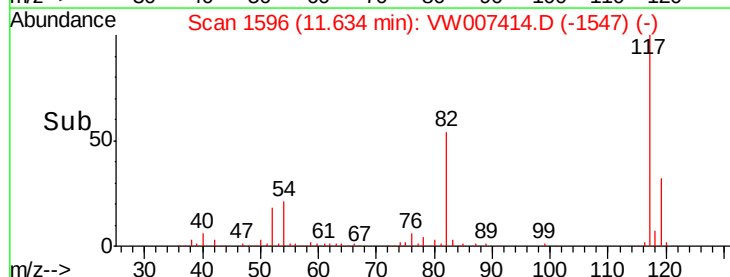
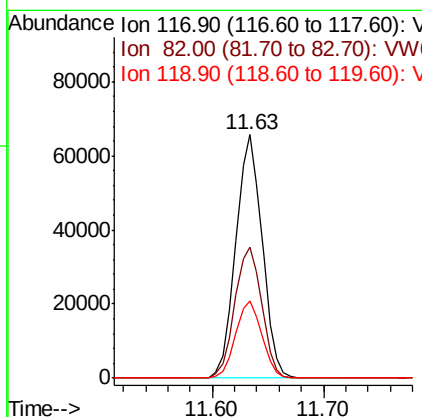
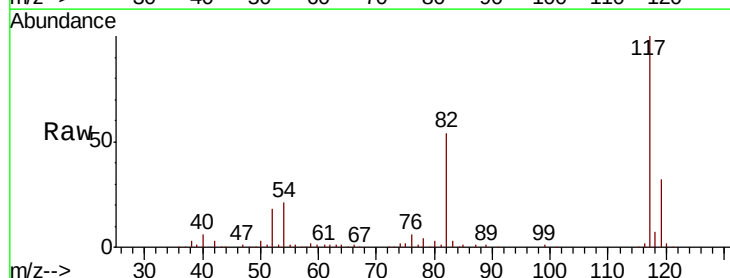
Instrument :
MSVOA_W
ClientSampleId :
S32-0635

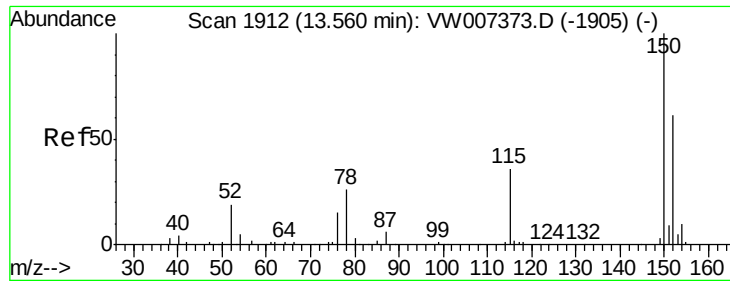
Tgt Ion: 95 Resp: 42936
Ion Ratio Lower Upper
95 100
174 76.1 0.0 147.2
176 73.2 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007414.D
Acq: 12 Dec 2018 01:20

Tgt Ion: 117 Resp: 107466
Ion Ratio Lower Upper
117 100
82 53.6 42.3 63.5
119 31.9 23.0 34.6

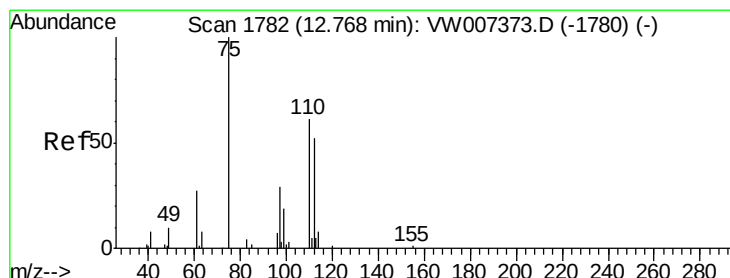
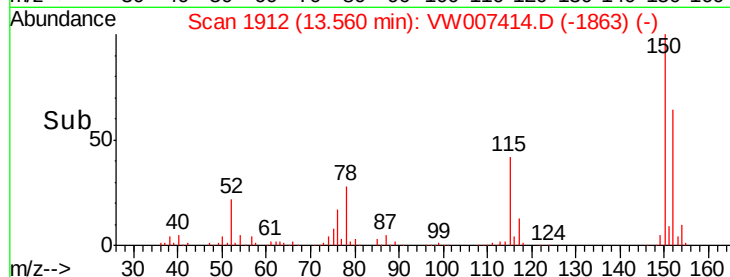
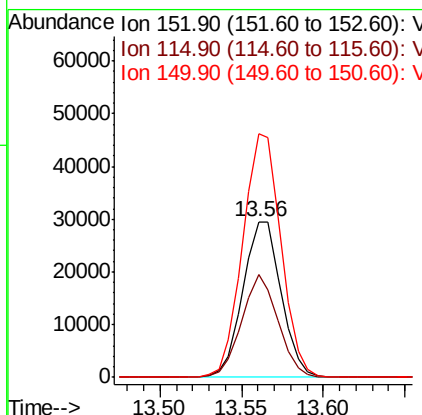
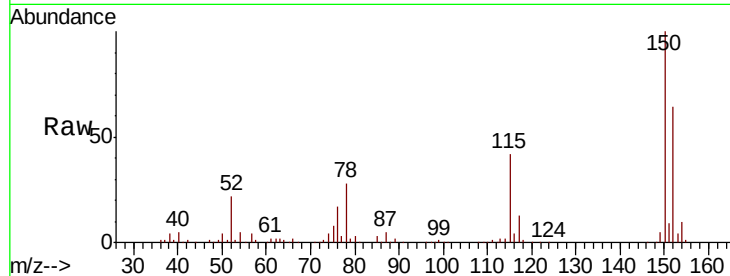




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW007414.D
 Acq: 12 Dec 2018 01:20

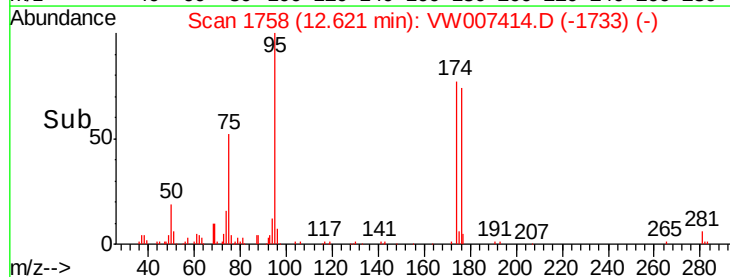
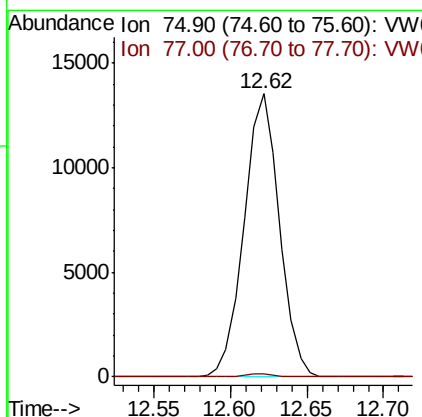
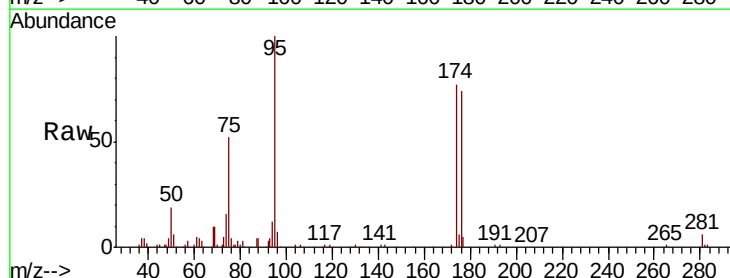
Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0635

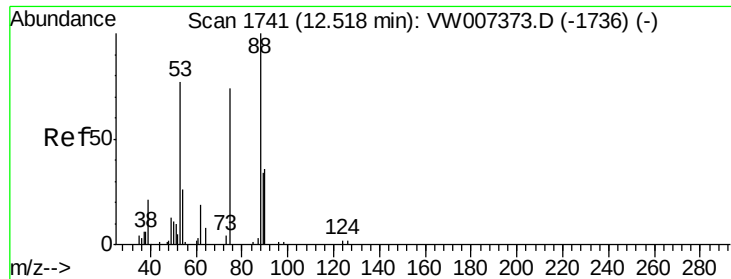
Tgt Ion:152 Resp: 48190
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.4 94.2
 150 156.6 0.0 358.4



#76
 1,2,3-Trichloropropane
 Concen: 54.616 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007414.D
 Acq: 12 Dec 2018 01:20

Tgt Ion: 75 Resp: 21701
 Ion Ratio Lower Upper
 75 100
 77 0.8 166.9 500.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 120.646 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007414.D

Acq: 12 Dec 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

S32-0635

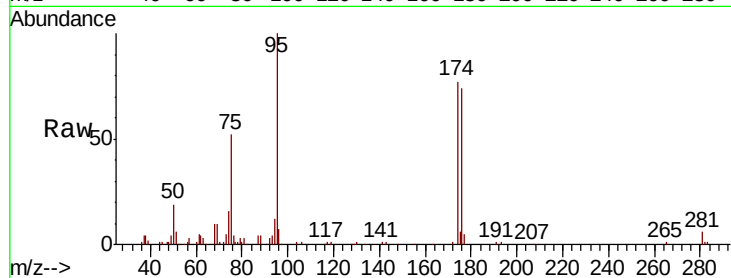
Tgt Ion: 75 Resp: 21701

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

