

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004320.D
 Acq On : 29 Jul 2018 18:14
 Operator : SY/AP
 Sample : J4095-04RE
 Misc : 13.39G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 04:34:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	140090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	219469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	188864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	94199	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	78065	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
35) Dibromofluoromethane	7.88	113	67844	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	10.33	98	243391	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
62) 4-Bromofluorobenzene	12.62	95	78926	40.89	ug/l	0.00
Spiked Amount			Recovery	=	81.78%	

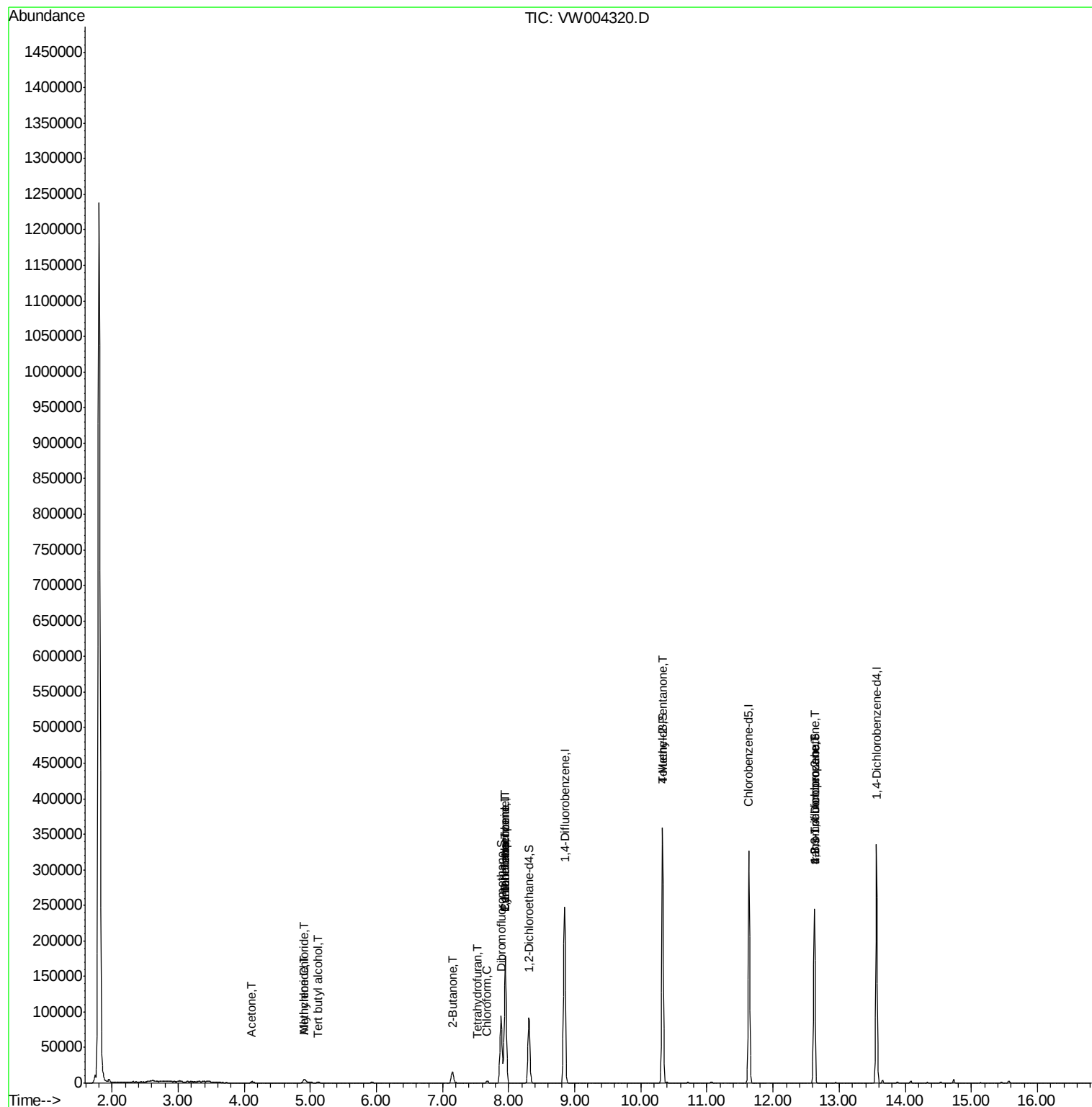
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.30	50	96	Below Cal	#	44
5) Bromomethane	2.64	94	43	Below Cal	#	4
8) Diethyl Ether	3.67	74	49	Below Cal		79
11) Tert butyl alcohol	5.11	59	585	2.052	ug/l #	72
14) Allyl chloride	4.90	41	24	1.521	ug/l #	25
16) Acetone	4.12	43	4078	24.235	ug/l #	85
20) Methylene Chloride	4.91	84	4884	2.130	ug/l #	77
25) 2-Butanone	7.16	43	695	1.771	ug/l #	50
29) Tetrahydrofuran	7.53	42	57	2.868	ug/l #	35
30) Chloroform	7.68	83	3220	1.234	ug/l #	83
31) Cyclohexane	7.95	56	2457	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9235	4.206	ug/l #	46
38) Carbon Tetrachloride	7.95	117	12896	5.948	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	985	1.107	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	38689	45.003	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38689	104.715	ug/l #	11

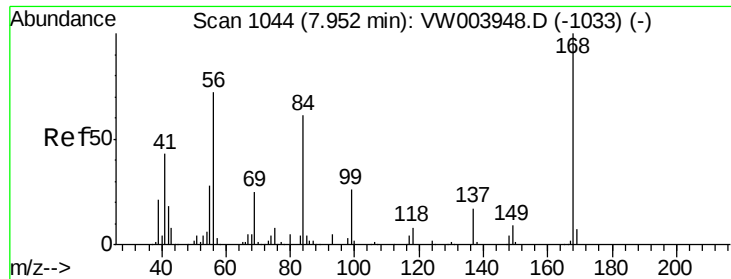
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 30 02:37:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004320.D

Acq: 29 Jul 2018 18:14

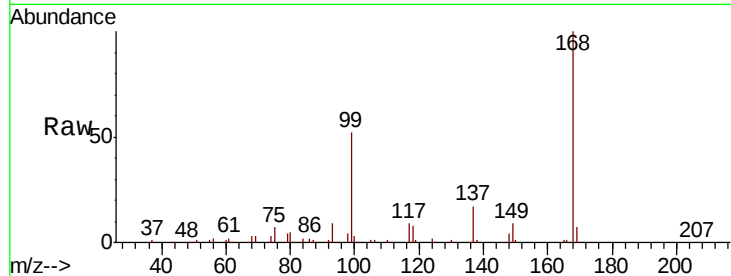
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 140090

Ion Ratio Lower Upper

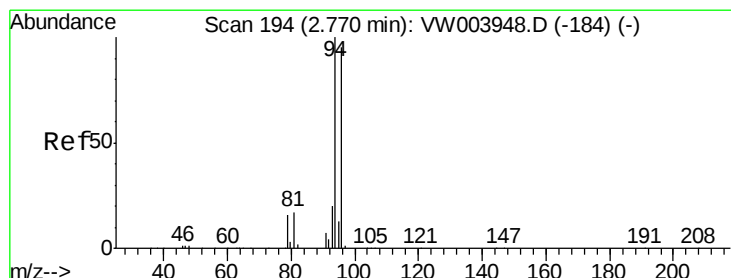
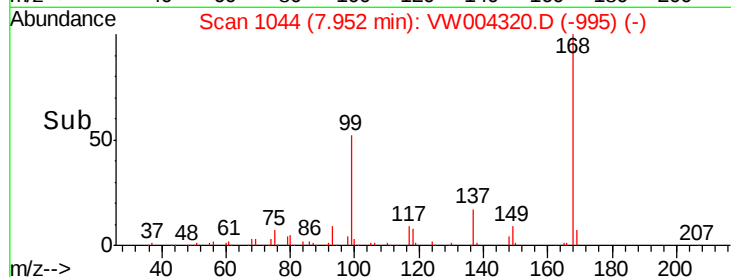
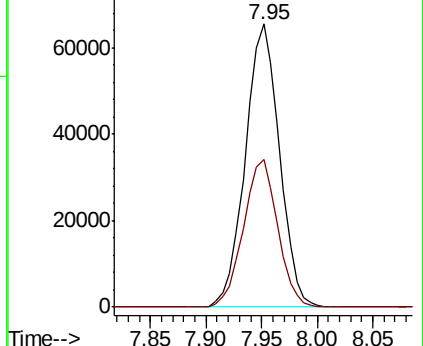
168 100

99 52.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.64 min Scan# 172

Delta R.T. -0.14 min

Lab File: VW004320.D

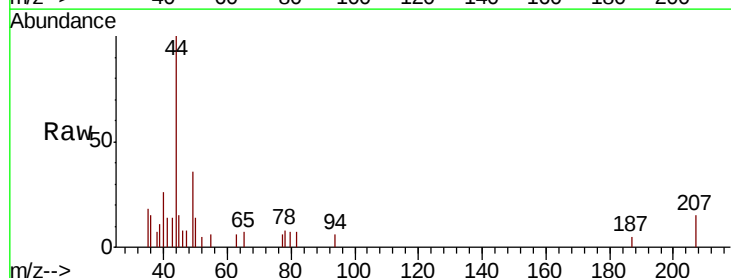
Acq: 29 Jul 2018 18:14

Tgt Ion: 94 Resp: 43

Ion Ratio Lower Upper

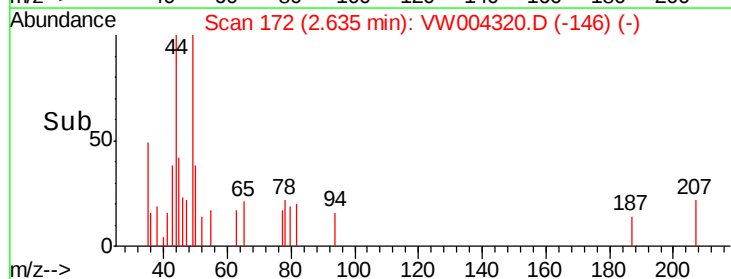
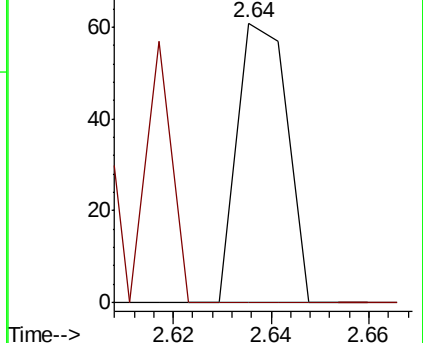
94 100

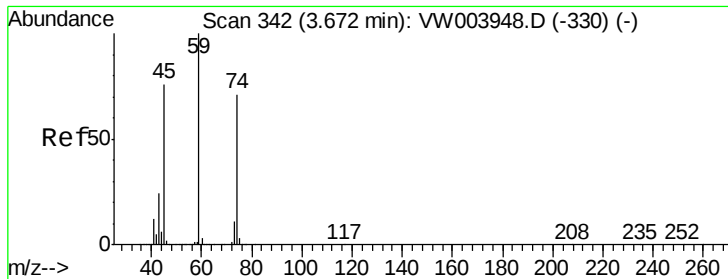
96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW





#8

Diethyl Ether

Concen: Below Cal

RT: 3.67 min Scan# 342

Delta R.T. -0.00 min

Lab File: VW004320.D

Acq: 29 Jul 2018 18:14

Instrument :

MSVOA_W

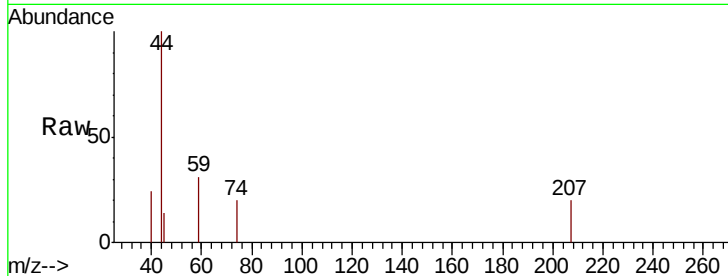
ClientSampleId :

Tot Ion: 74 Resp: 49

Ion Ratio Lower Upper

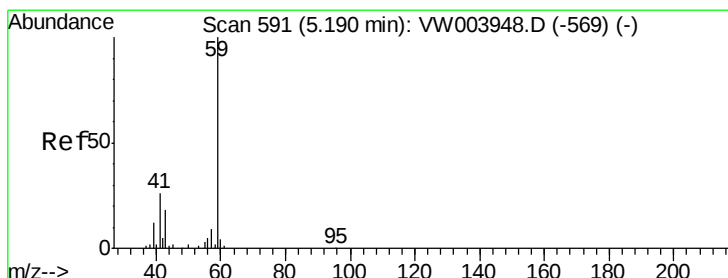
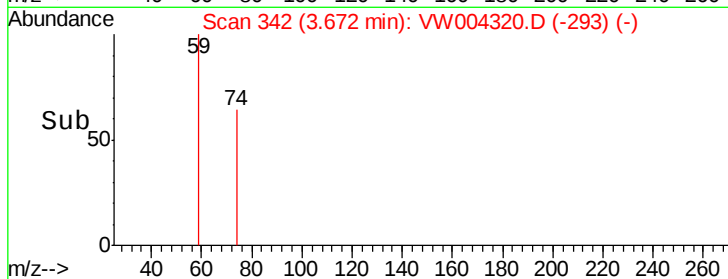
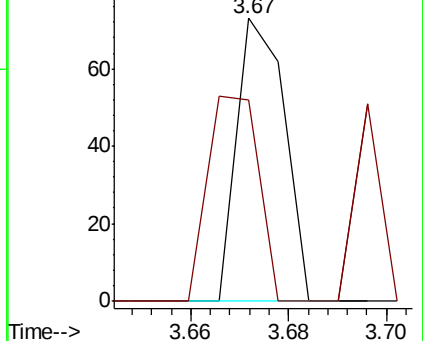
74 100

45 77.6 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 2.052 ug/l

RT: 5.11 min Scan# 578

Delta R.T. -0.06 min

Lab File: VW004320.D

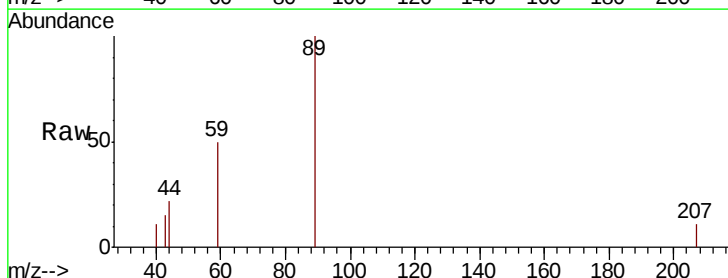
Acq: 29 Jul 2018 18:14

Tgt Ion: 59 Resp: 585

Ion Ratio Lower Upper

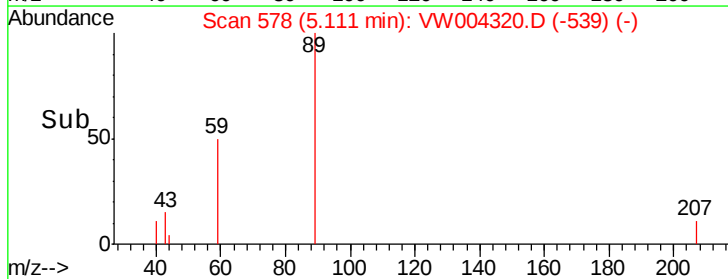
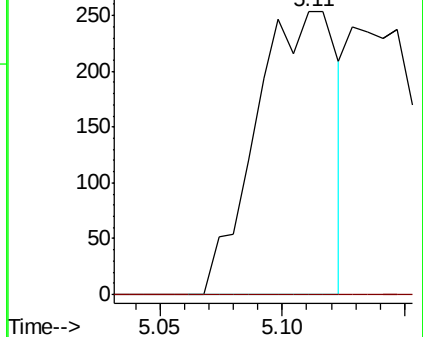
59 100

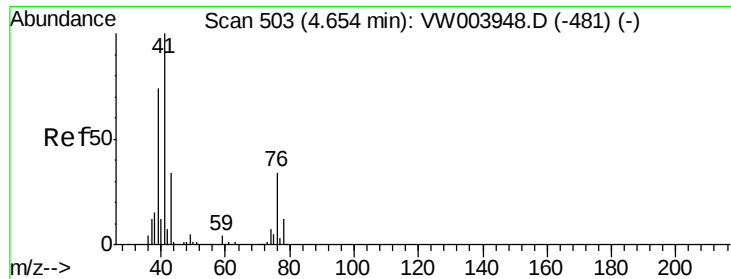
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

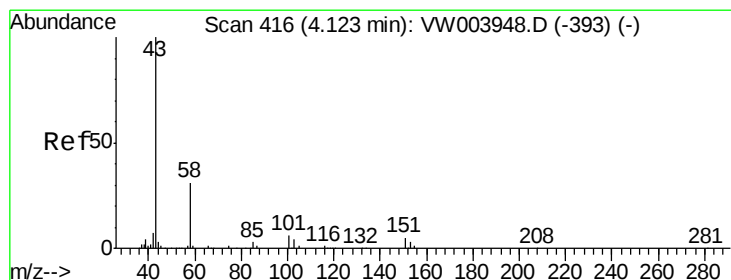
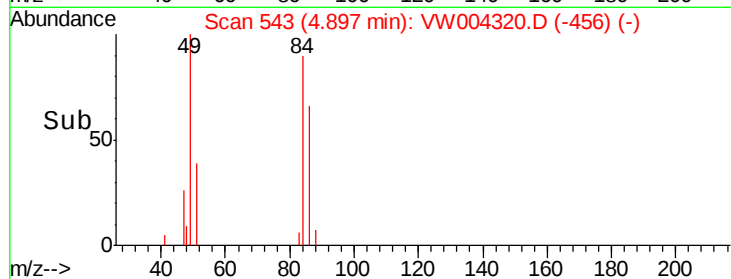
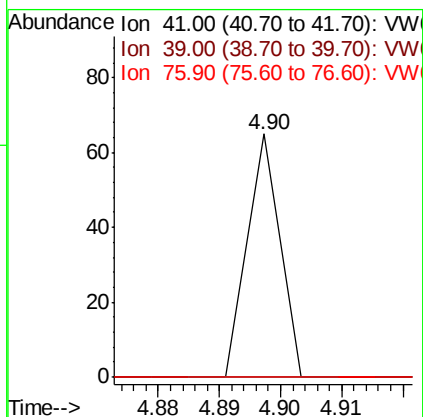
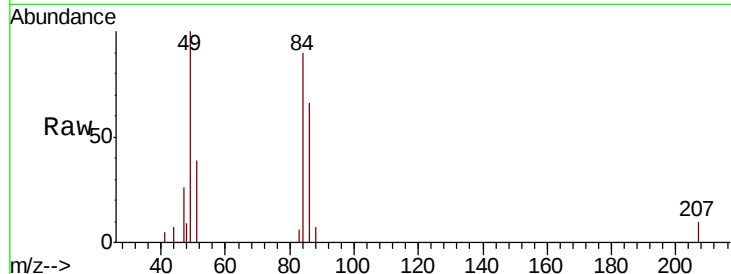




#14
Allvl chloride
Concen: 1.521 ug/l
RT: 4.90 min Scan# 543
Delta R.T. 0.23 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

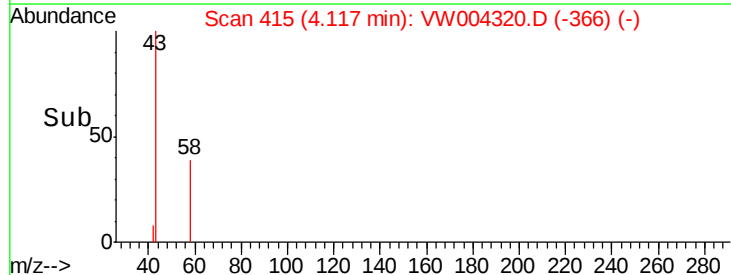
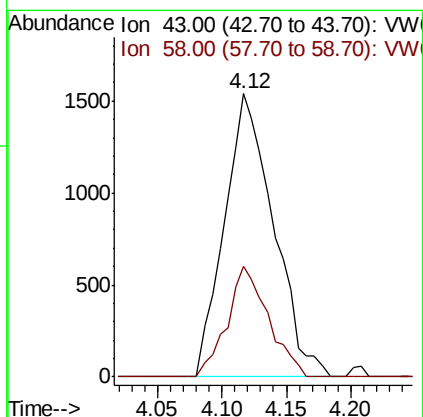
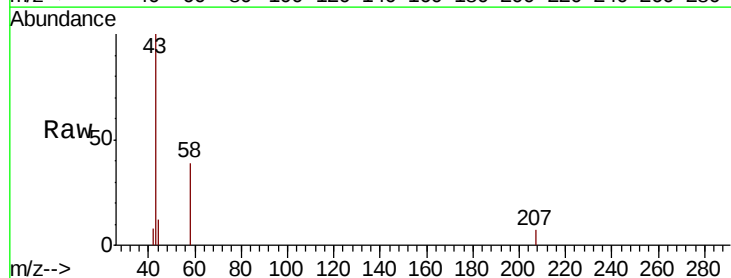
Instrument :
MSVOA_W
ClientSampleId :

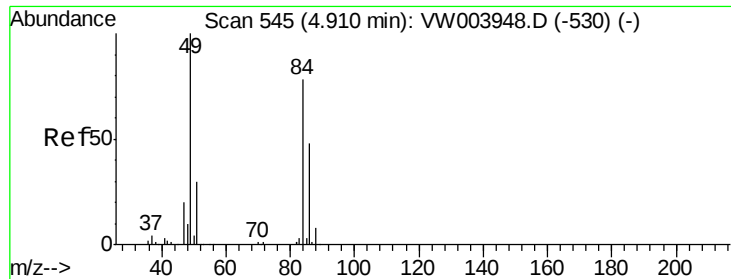
Tot Ion: 41 Resp: 24
Ion Ratio Lower Upper
41 100
39 0.0 52.3 78.5#
76 0.0 27.3 40.9#



#16
Acetone
Concen: 24.235 ug/l
RT: 4.12 min Scan# 415
Delta R.T. -0.00 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Tgt Ion: 43 Resp: 4078
Ion Ratio Lower Upper
43 100
58 39.0 24.8 37.2#

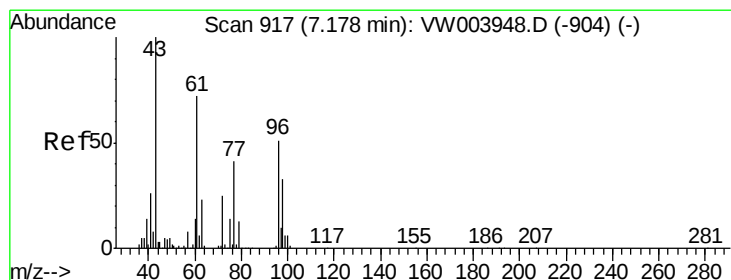
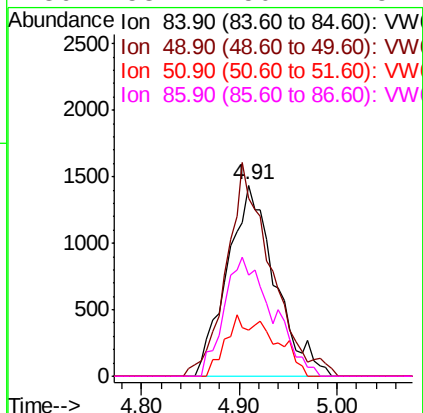
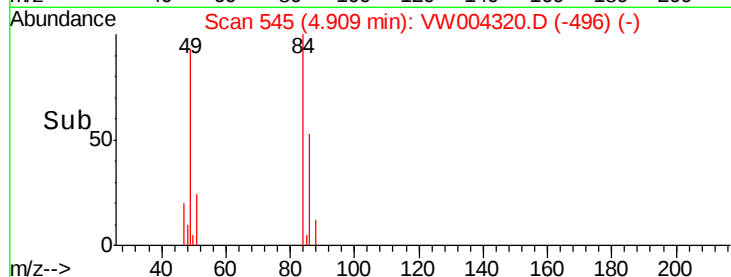
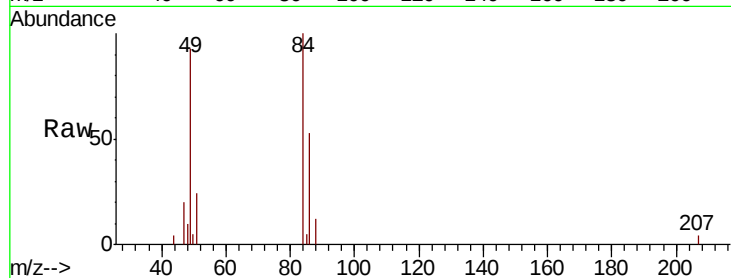




#20
Methvlene Chloride
Concen: 2.130 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

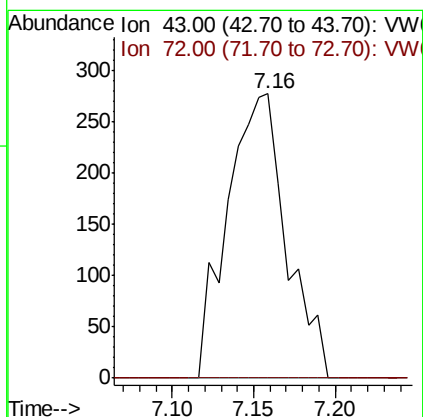
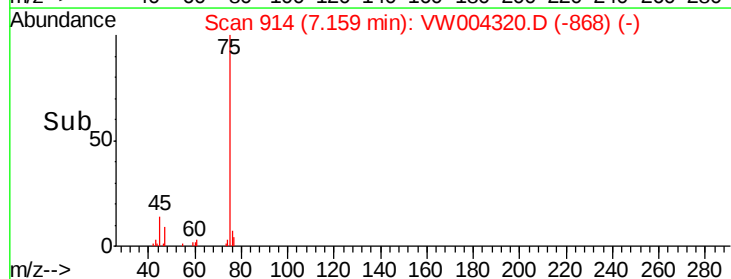
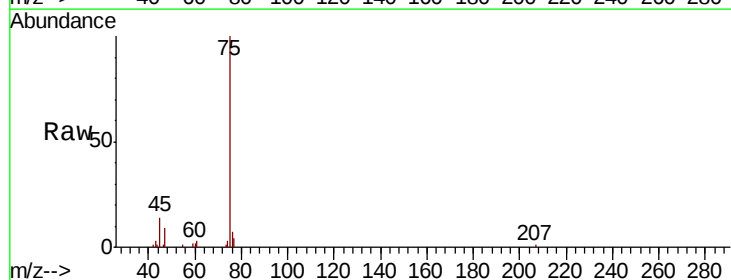
Instrument :
MSVOA_W
ClientSampleId :

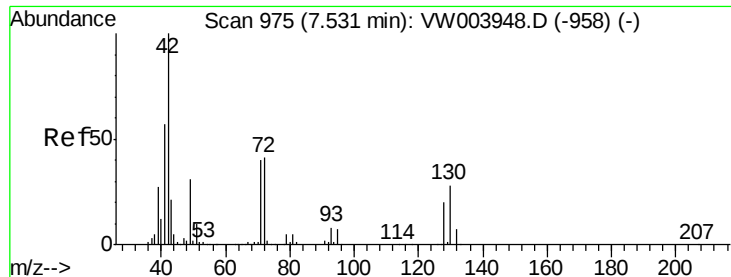
Tot Ion: 84 Resp: 4884
Ion Ratio Lower Upper
84 100
49 93.2 100.5 150.7#
51 24.1 30.9 46.3#
86 53.2 50.2 75.4



#25
2-Butanone
Concen: 1.771 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#

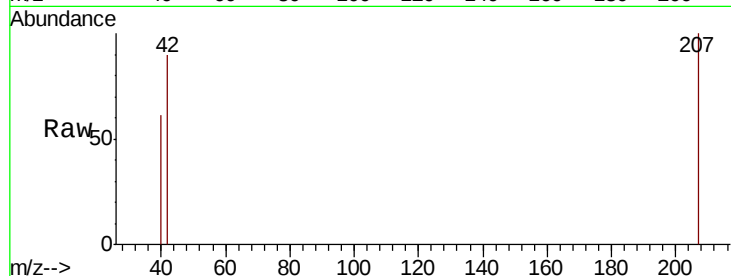




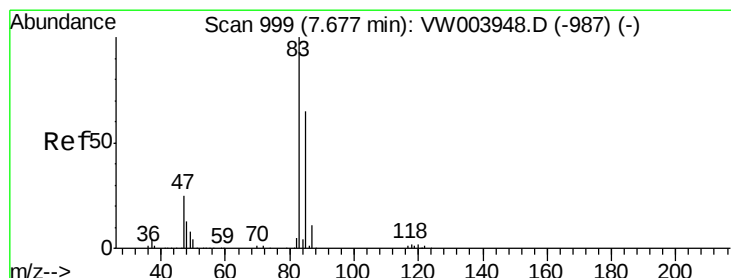
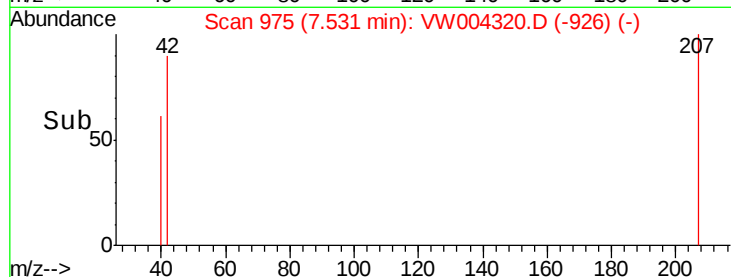
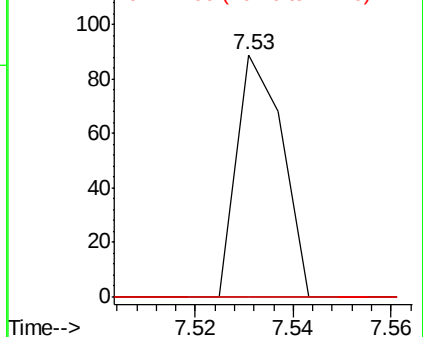
#29
Tetrahydrofuran
Concen: 2.868 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 0.0 31.3 46.9#

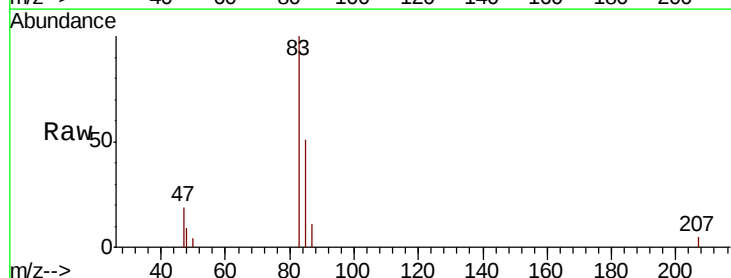


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

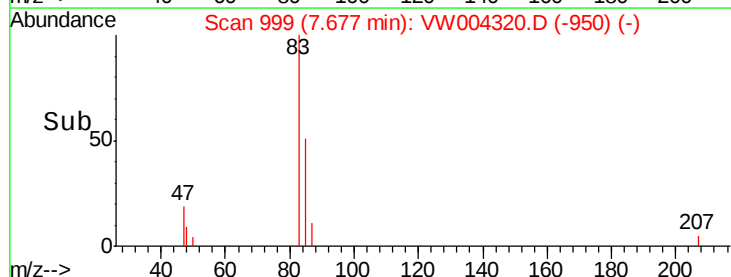
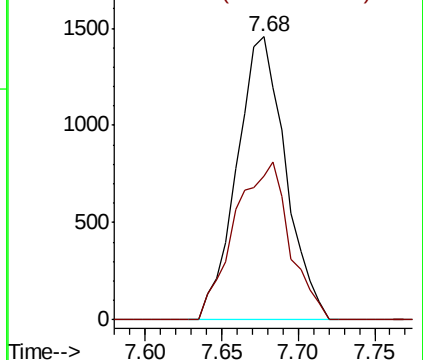


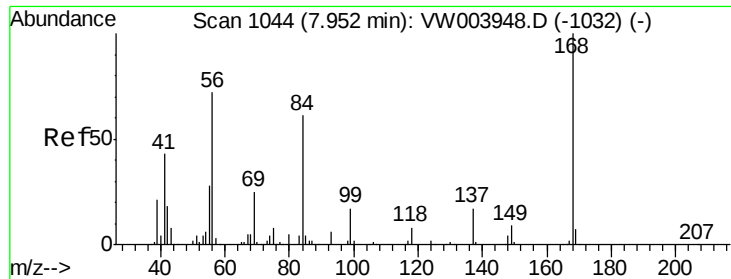
#30
Chloroform
Concen: 1.234 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Tgt Ion: 83 Resp: 3220
Ion Ratio Lower Upper
83 100
85 50.7 51.5 77.3#



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

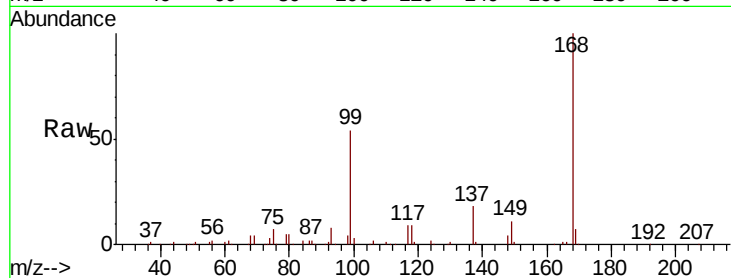




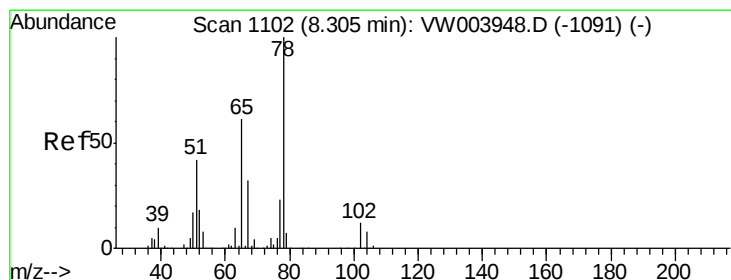
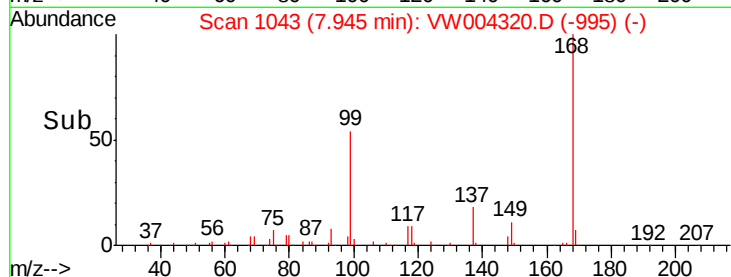
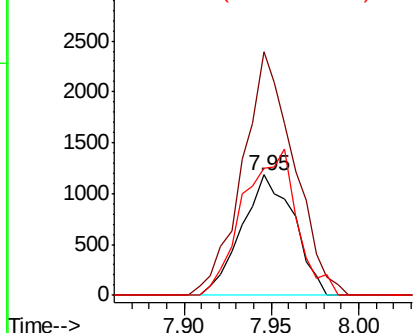
#31
Cyclohexane
Concen: 1.018 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 2457
Ion Ratio Lower Upper
56 100
69 201.8 26.3 39.5#
84 105.8 66.2 99.4#

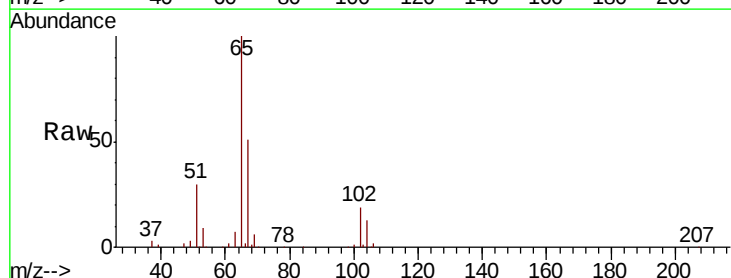


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

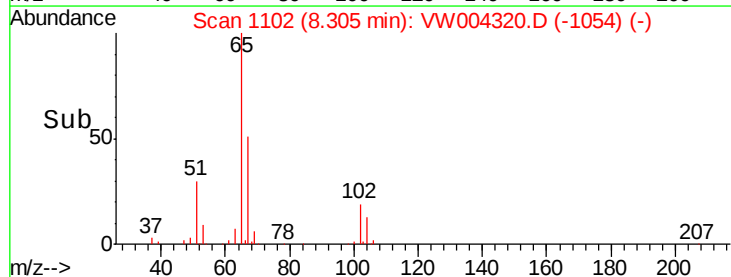
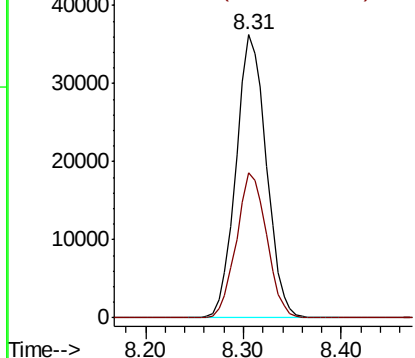


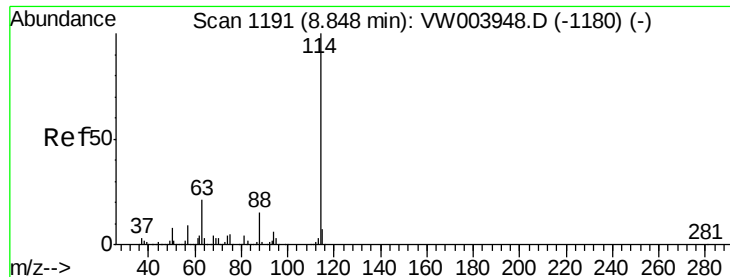
#33
1,2-Dichloroethane-d4
Concen: 55.243 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Tgt Ion: 65 Resp: 78065
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.4



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

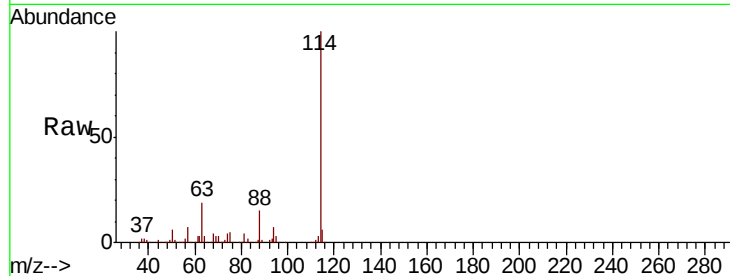




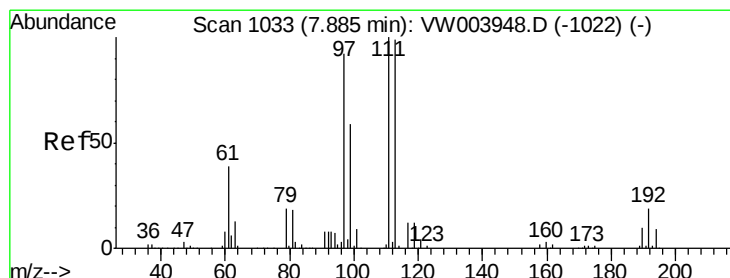
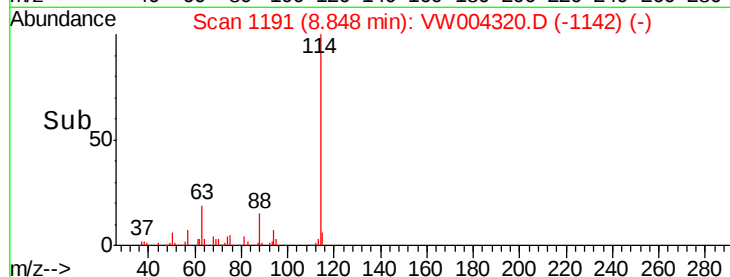
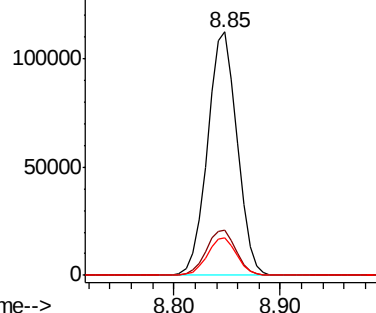
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004320.D
 Acq: 29 Jul 2018 18:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	41.4
88	15.3	0.0	30.6

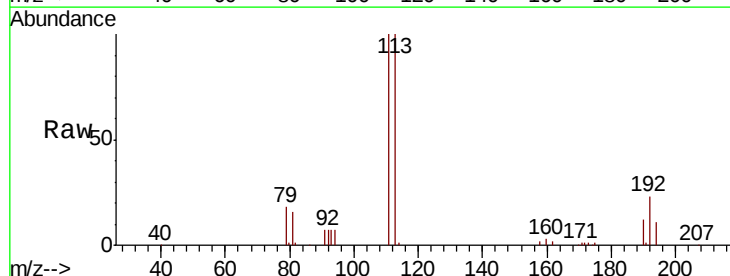


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

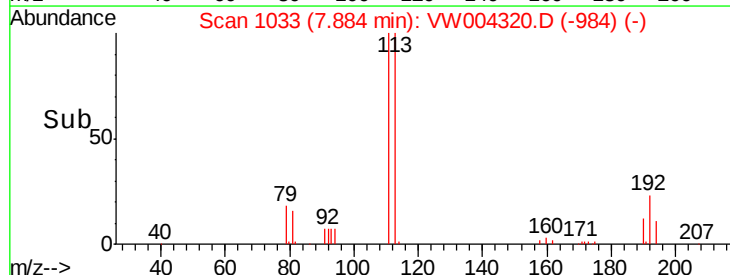
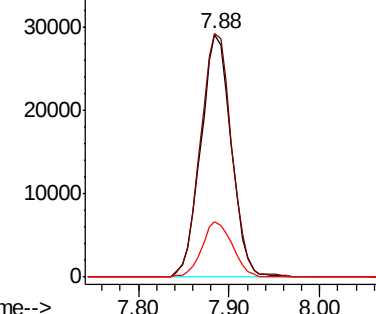


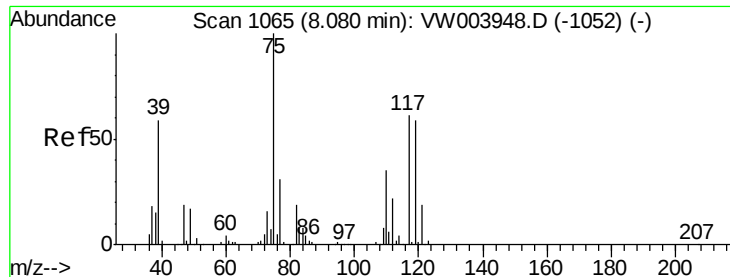
#35
 Dibromofluoromethane
 Concen: 48.916 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004320.D
 Acq: 29 Jul 2018 18:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.1	123.1
192	23.0	16.2	24.4



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

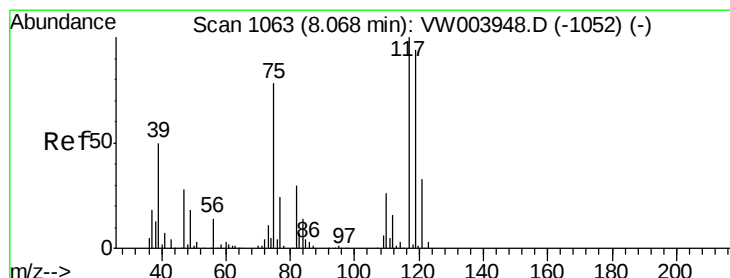
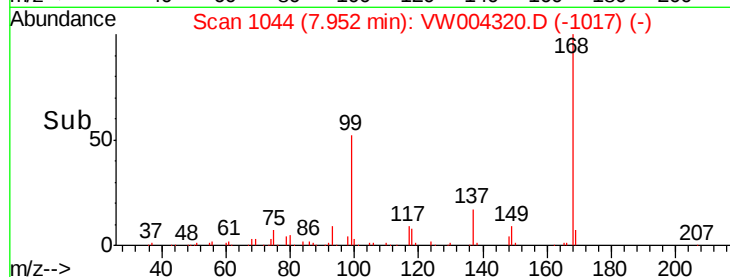
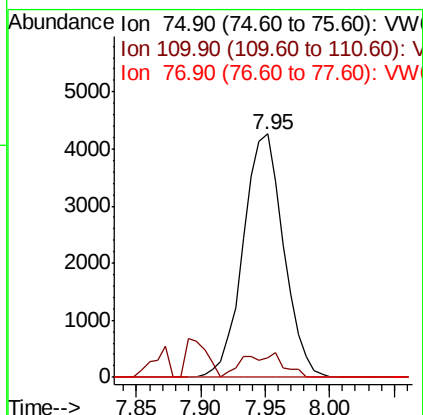
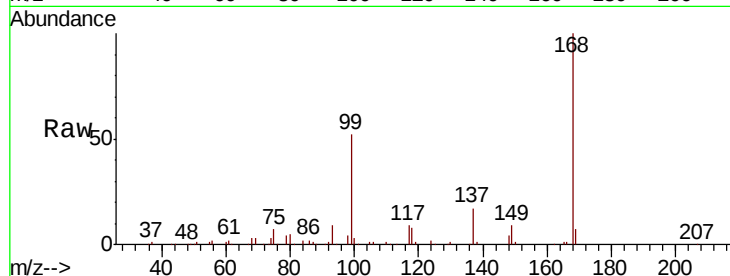




#36
 1,1-Dichloropropene
 Concen: 4.206 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004320.D
 Acq: 29 Jul 2018 18:14

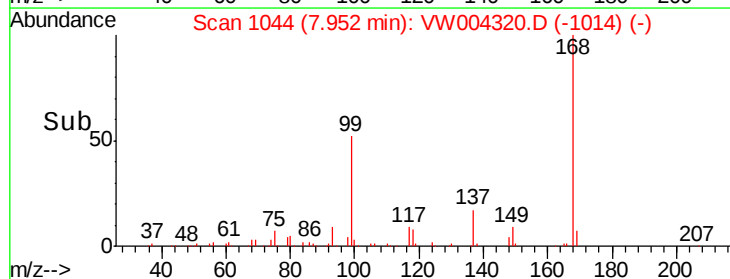
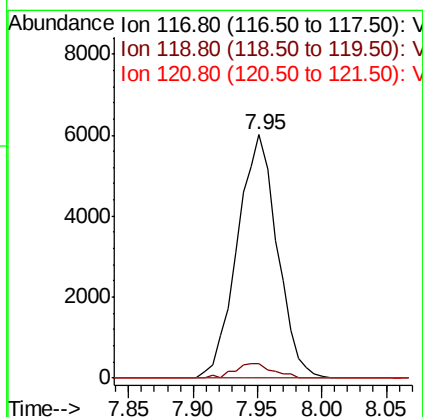
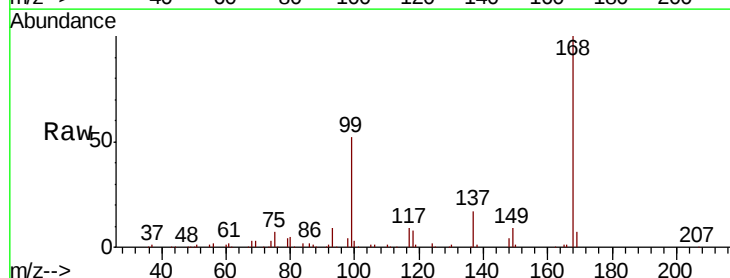
Instrument :
 MSVOA_W
 ClientSampleId :

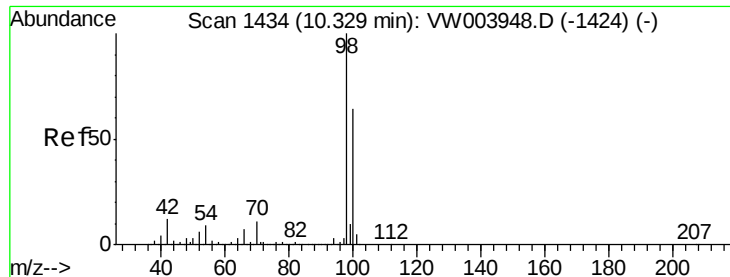
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.2	17.3	52.0#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.948 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004320.D
 Acq: 29 Jul 2018 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	79.7	119.5#
121	0.0	25.7	38.5#

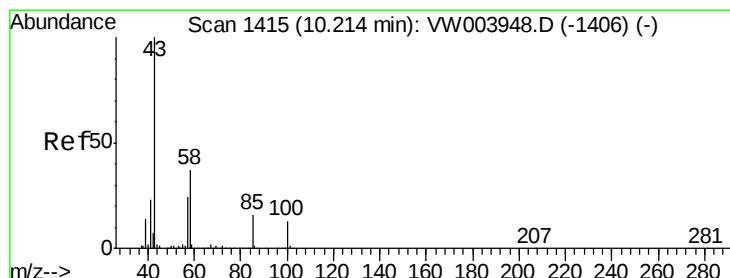
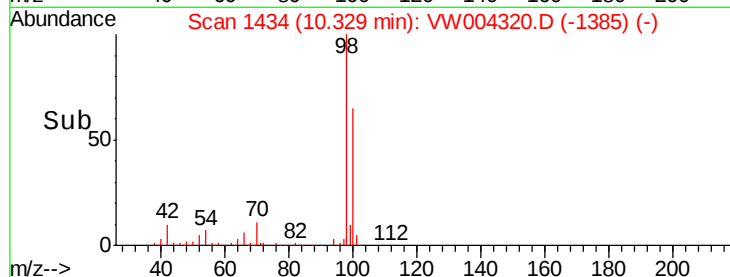
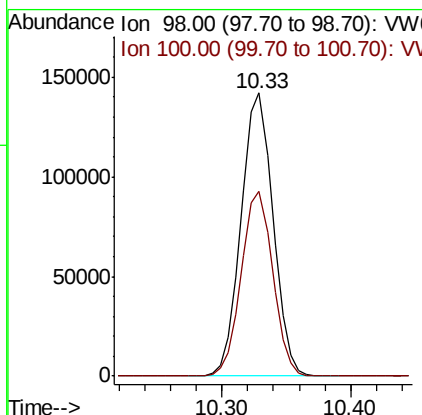
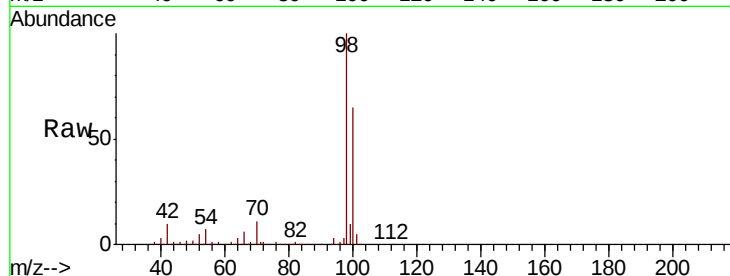




#50
Toluene-d8
Concen: 44.403 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

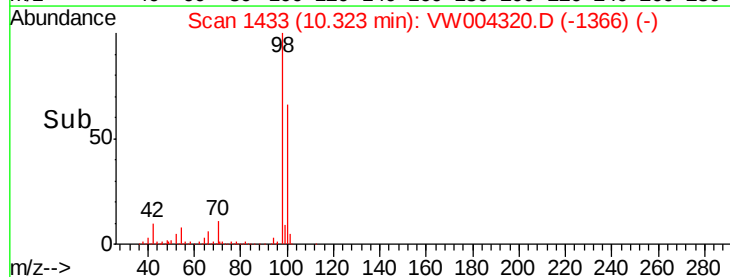
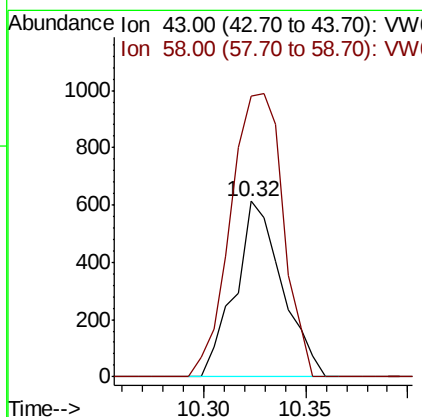
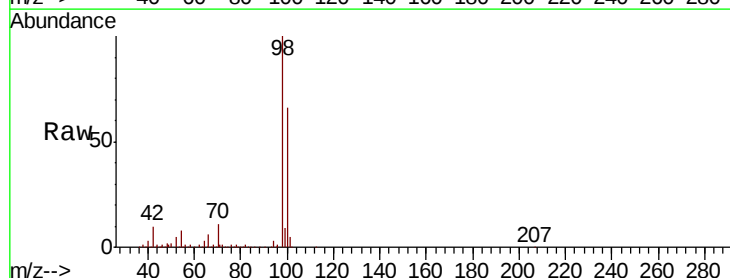
Instrument :
MSVOA_W
ClientSampleId :

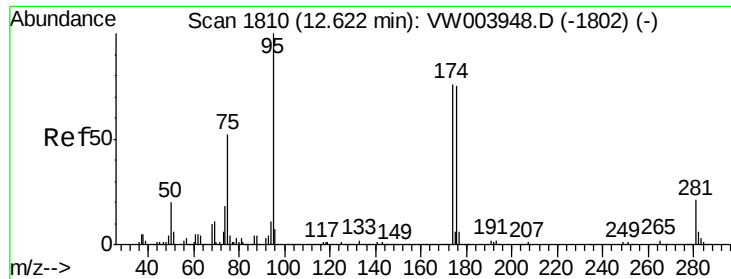
Tot Ion: 98 Resp: 243391
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.107 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. 0.11 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
58 179.6 30.6 45.8#

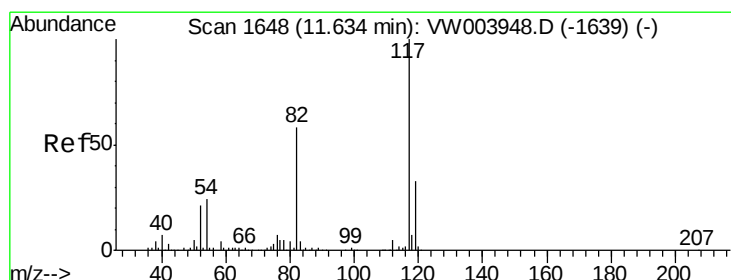
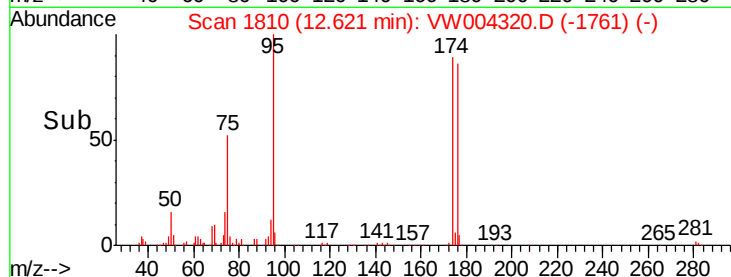
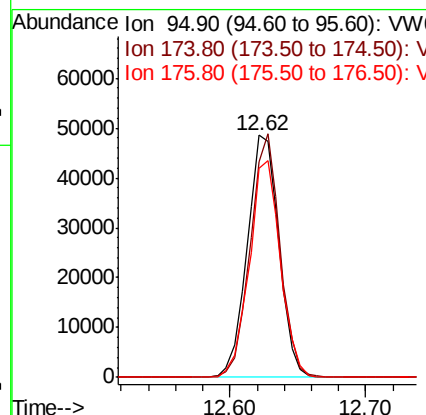
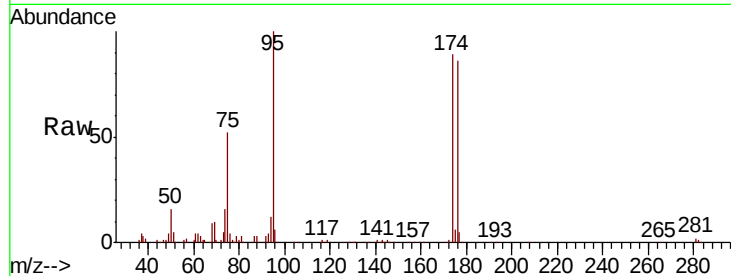




#62
4-Bromofluorobenzene
Concen: 40.894 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

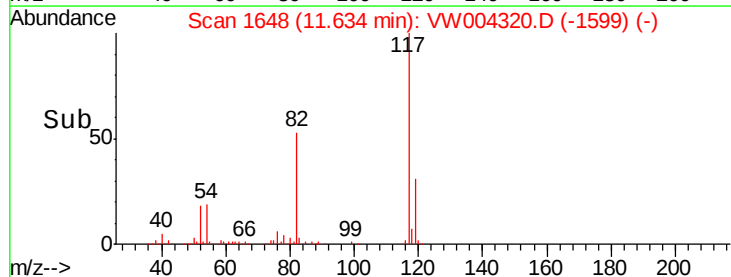
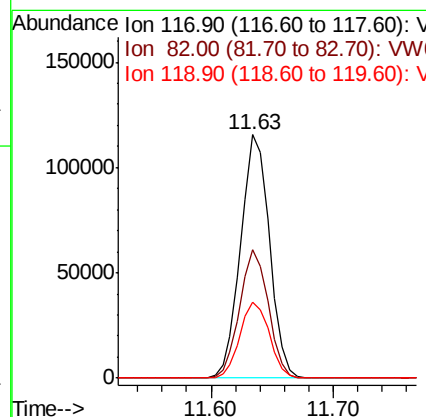
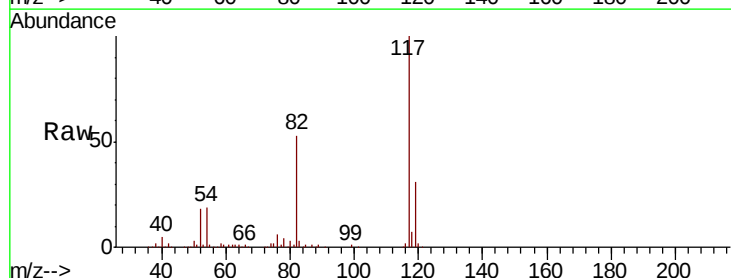
Instrument :
MSVOA_W
ClientSampleId :

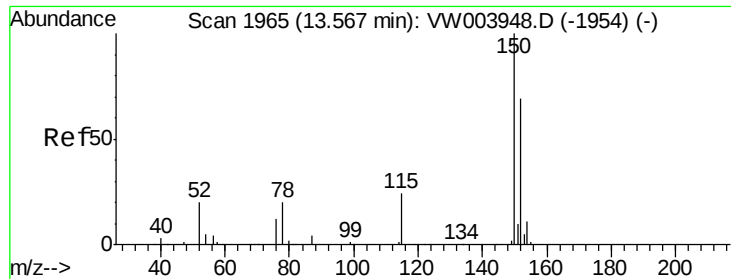
Tot Ion: 95 Resp: 78926
Ion Ratio Lower Upper
95 100
174 94.5 0.0 167.8
176 88.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Tgt Ion: 117 Resp: 188864
Ion Ratio Lower Upper
117 100
82 52.6 47.9 71.9
119 31.3 27.1 40.7



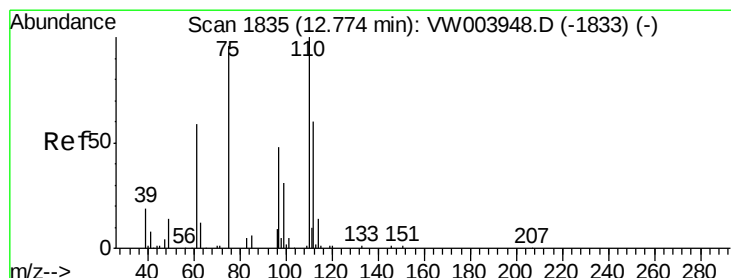
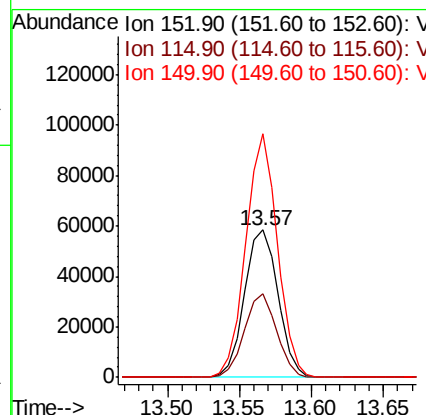
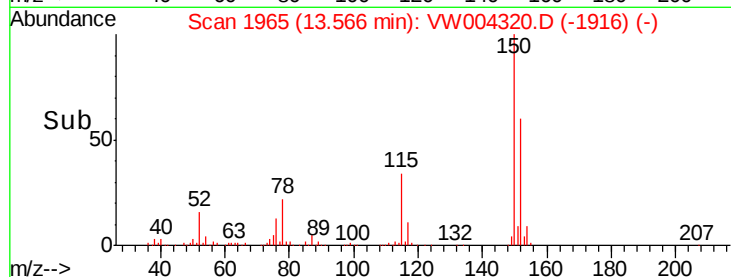
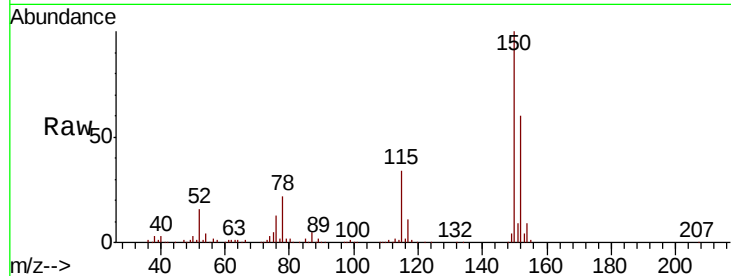


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Instrument :
MSVOA_W
ClientSampled :

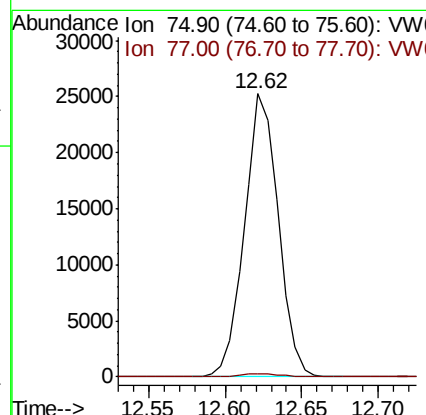
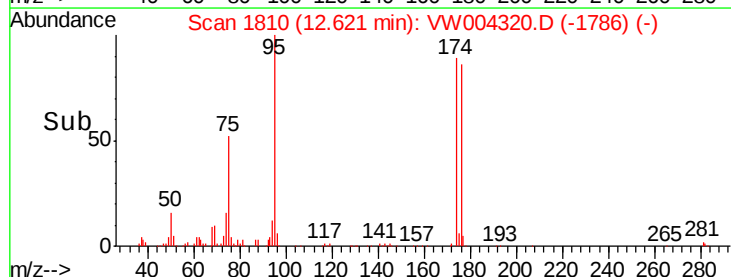
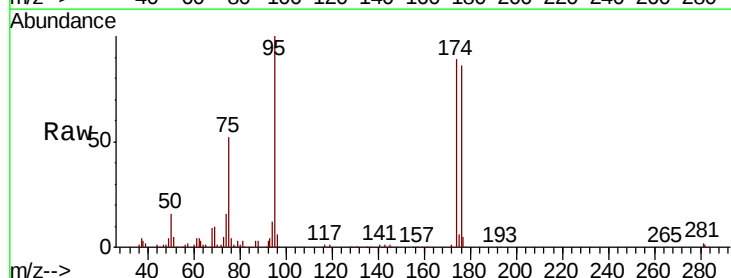
Tot Ion:152 Resp: 94199
Ion Ratio Lower Upper
152 100
115 54.6 28.8 86.4
150 155.2 0.0 346.4

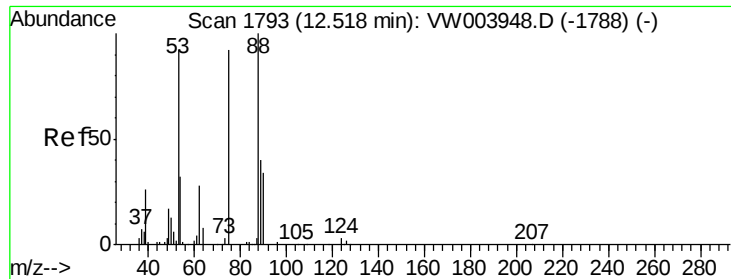


#76

1,2,3-Trichloropropane
Concen: 45.003 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004320.D
Acq: 29 Jul 2018 18:14

Tgt Ion: 75 Resp: 38689
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 104.715 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004320.D

Acq: 29 Jul 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

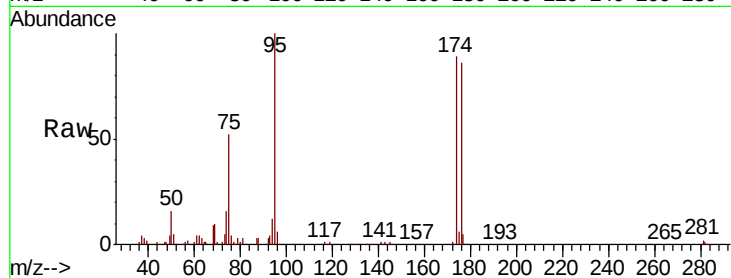
Tot Ion: 75 Resp: 38689

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.1 36.0 54.0#



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

