

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005685.D
 Acq On : 27 Sep 2018 07:02
 Operator : VA/AP
 Sample : J4773-13RE
 Misc : 7.47G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-BRE

Quant Time: Sep 27 07:54:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	91904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	151453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	125427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	55956	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	68179	62.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.94%	
35) Dibromofluoromethane	7.88	113	52765	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
50) Toluene-d8	10.33	98	142446	36.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.46%	
62) 4-Bromofluorobenzene	12.62	95	52857	36.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.66%	

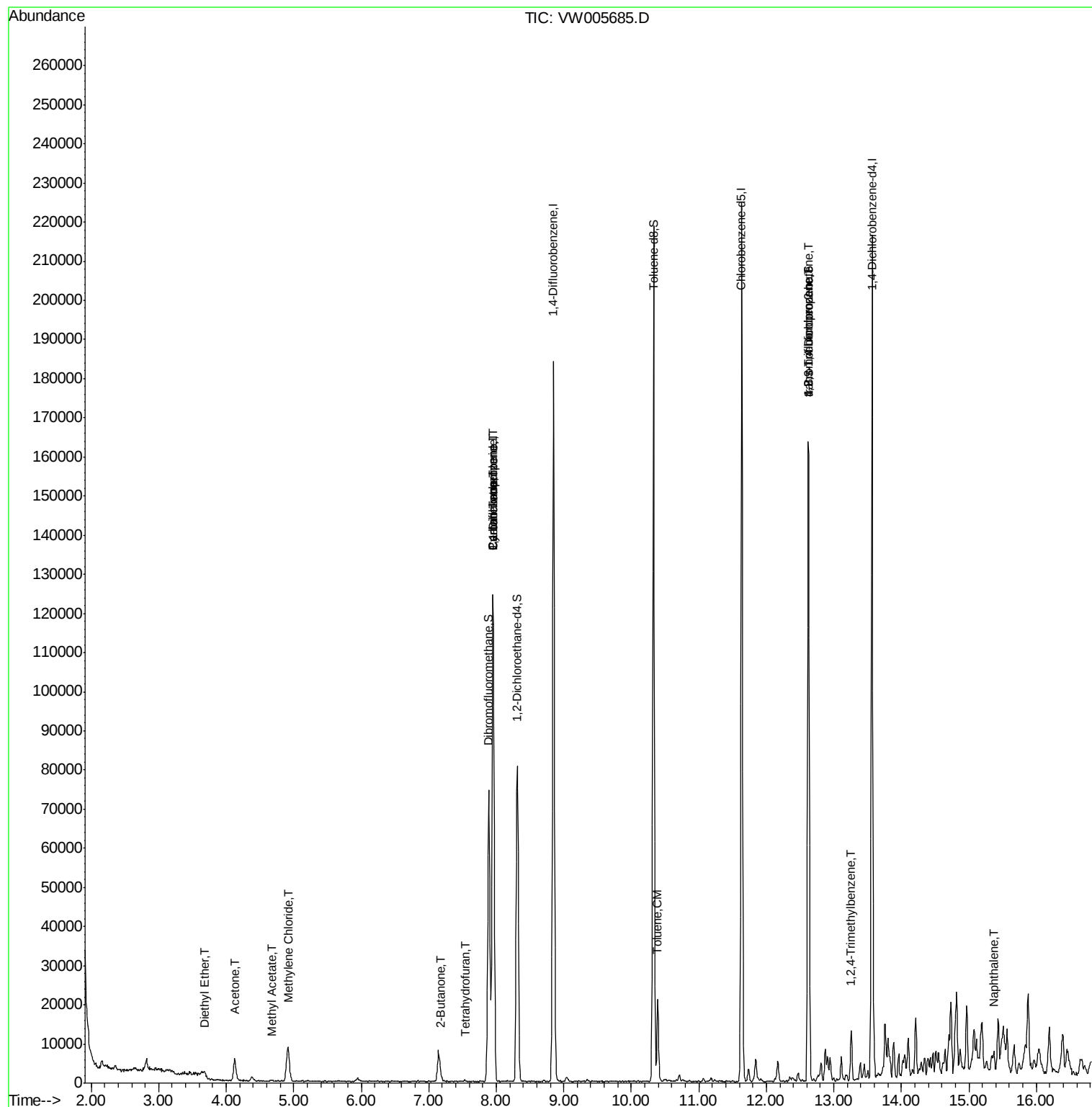
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.28	85	22	Below Cal	#	41
8) Diethyl Ether	3.69	74	734	1.627	ug/l	88
11) Tert butyl alcohol	5.19	59	20	Below Cal	#	72
16) Acetone	4.12	43	9557	48.545	ug/l	99
18) Methyl Acetate	4.68	43	760	1.481	ug/l #	51
20) Methylene Chloride	4.92	84	6370	2.991	ug/l	96
25) 2-Butanone	7.18	43	434	1.650	ug/l #	50
29) Tetrahydrofuran	7.55	42	204	1.242	ug/l #	35
31) Cyclohexane	7.96	56	2139	1.274	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	7319	4.801	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9237	5.654	ug/l #	16
52) Toluene	10.39	92	8607	3.193	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	27321	57.278	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	27321	129.008	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.26	105	6591	1.936	ug/l	96
95) Naphthalene	15.37	128	2570	1.305	ug/l #	89

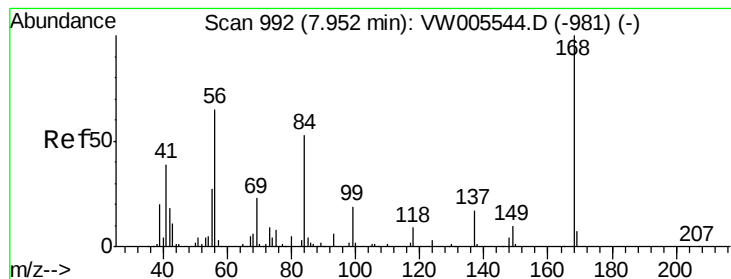
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
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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: VW005685.D

Acq: 27 Sep 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

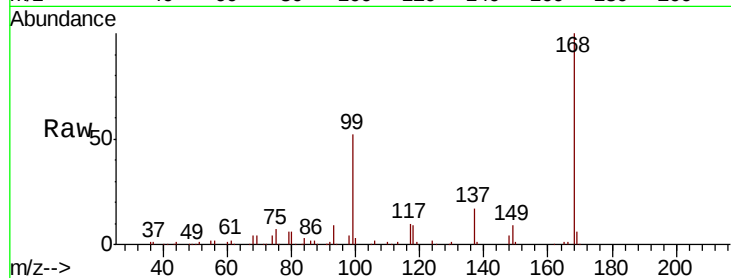
CL-02-092518-BRE

Tgt Ion:168 Resp: 91904

Ion Ratio Lower Upper

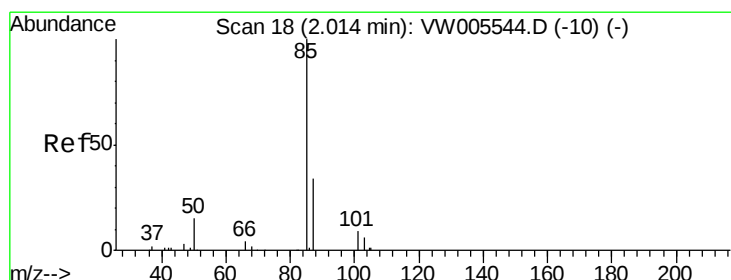
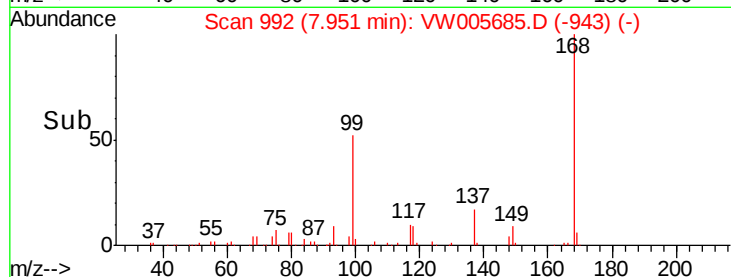
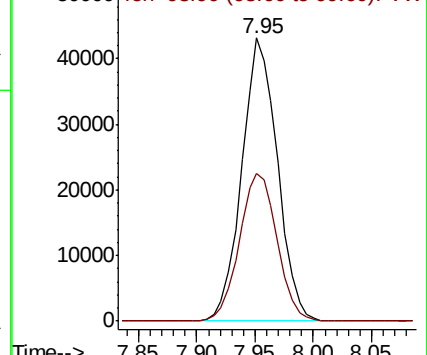
168 100

99 52.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.28 min Scan# 62

Delta R.T. 0.27 min

Lab File: VW005685.D

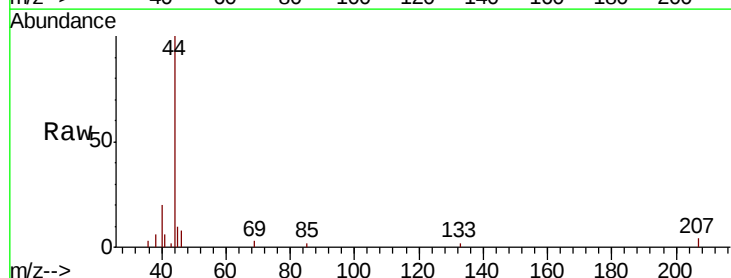
Acq: 27 Sep 2018 07:02

Tgt Ion: 85 Resp: 22

Ion Ratio Lower Upper

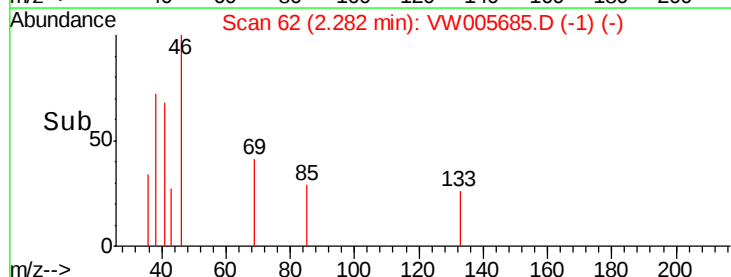
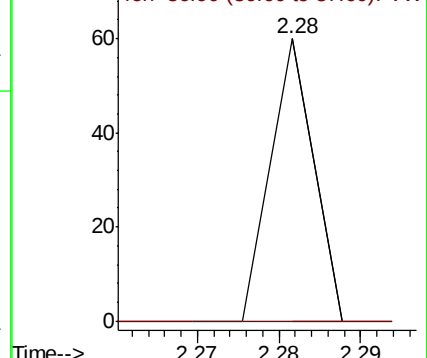
85 100

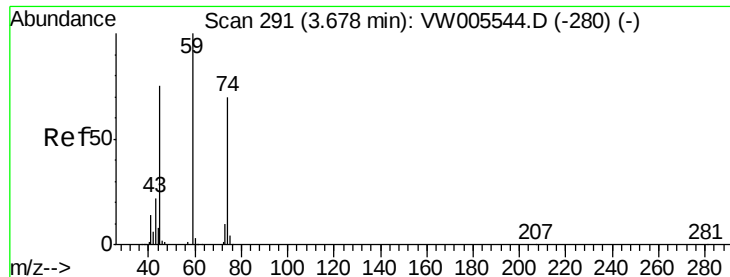
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#8

Diethyl Ether

Concen: 1.627 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

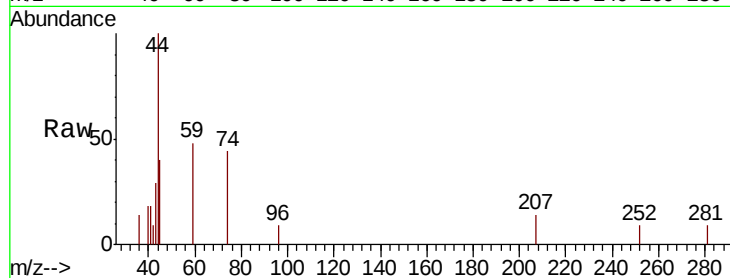
CL-02-092518-BRE

Tgt Ion: 74 Resp: 734

Ion Ratio Lower Upper

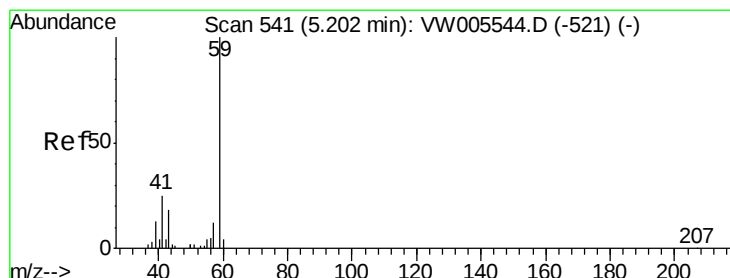
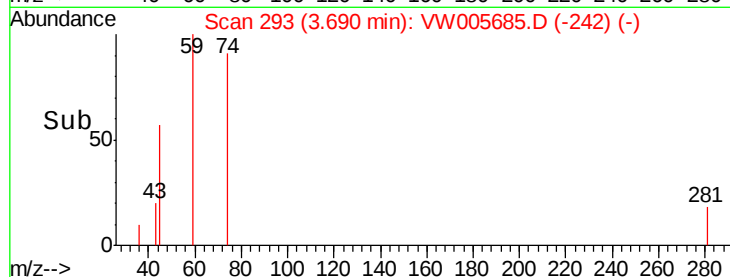
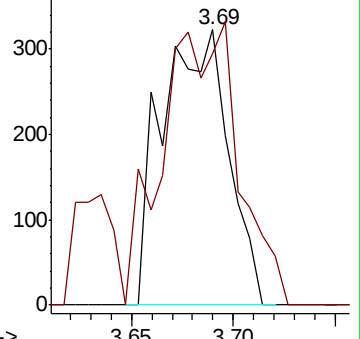
74 100

45 115.7 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. -0.01 min

Lab File: VW005685.D

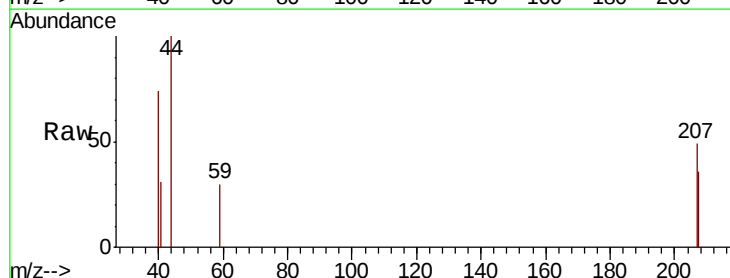
Acq: 27 Sep 2018 07:02

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

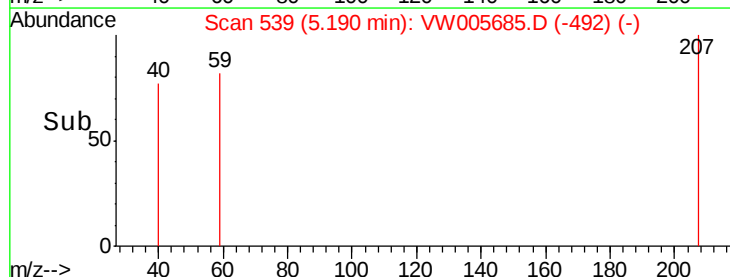
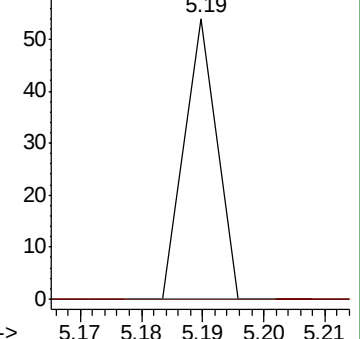
59 100

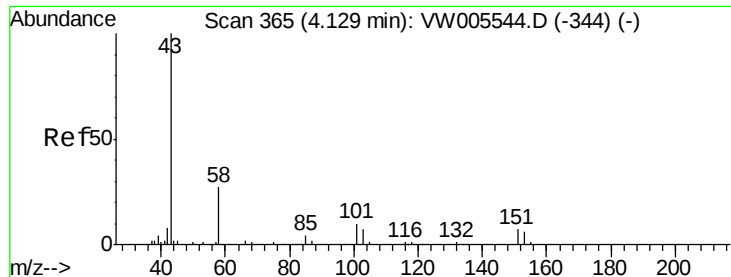
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 48.545 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

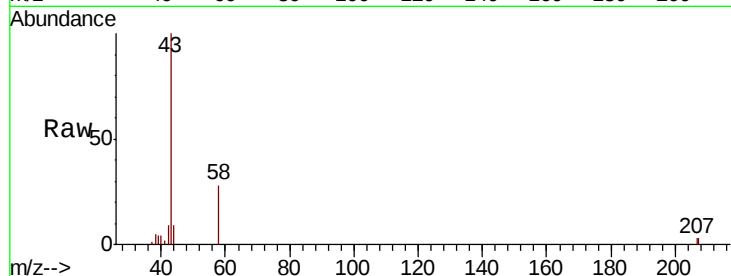
CL-02-092518-BRE

Tgt Ion: 43 Resp: 9557

Ion Ratio Lower Upper

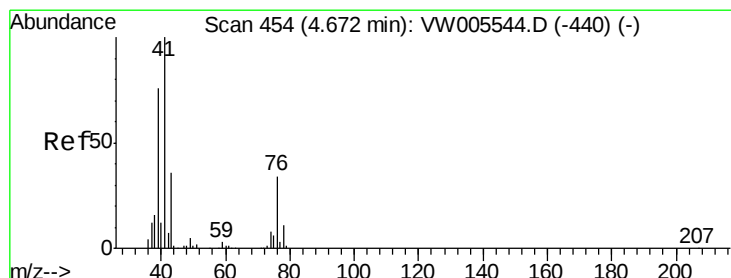
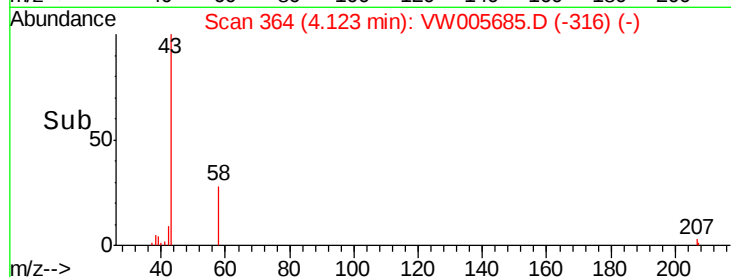
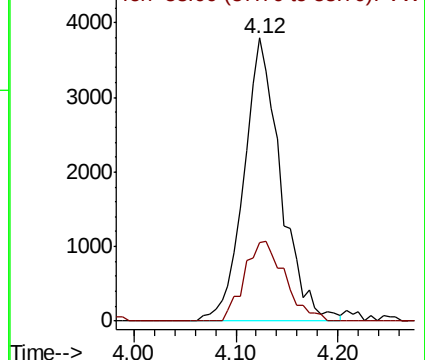
43 100

58 27.8 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.481 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005685.D

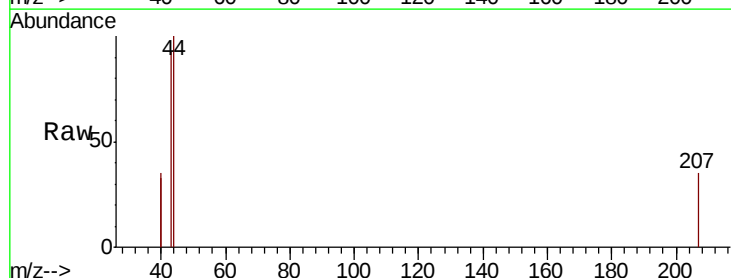
Acq: 27 Sep 2018 07:02

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

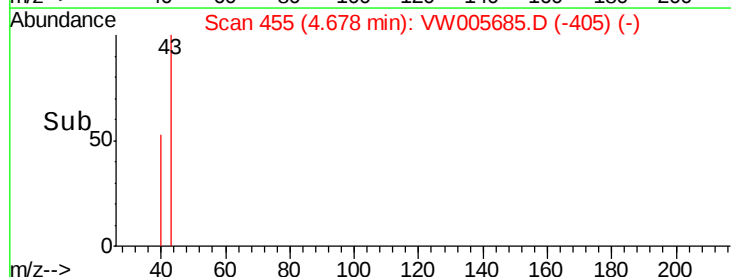
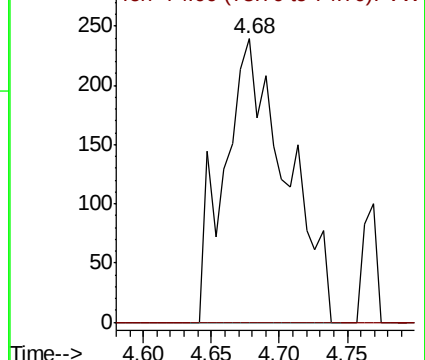
43 100

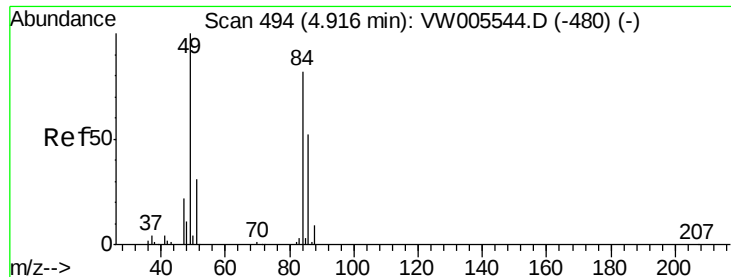
74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 2.991 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-BRE

Tgt Ion: 84 Resp: 6370

Ion	Ratio	Lower	Upper
84	100		
49	125.1	97.0	145.6
51	37.6	30.2	45.2
86	58.4	50.2	75.4

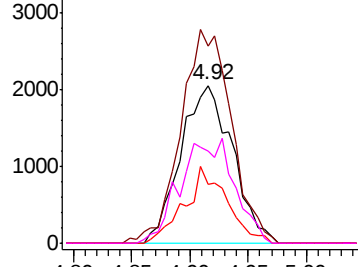
Abundance

Ion 83.90 (83.60 to 84.60): VW

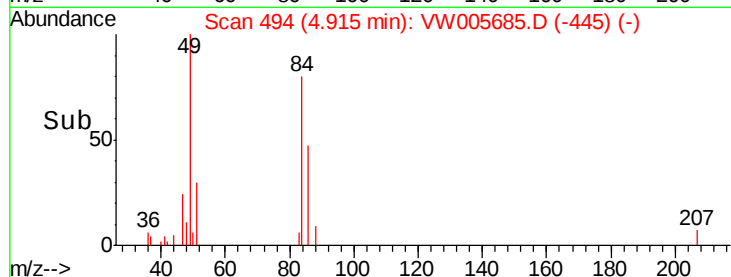
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->



#25

2-Butanone

Concen: 1.650 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

Tgt Ion: 43 Resp: 434

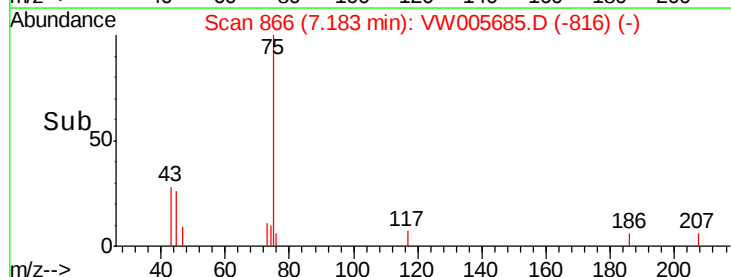
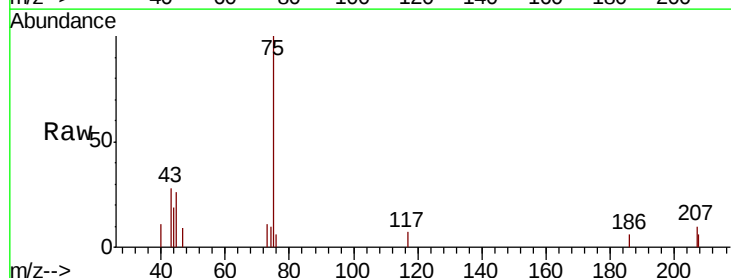
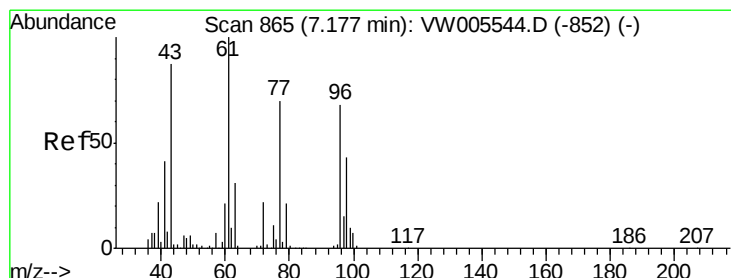
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#

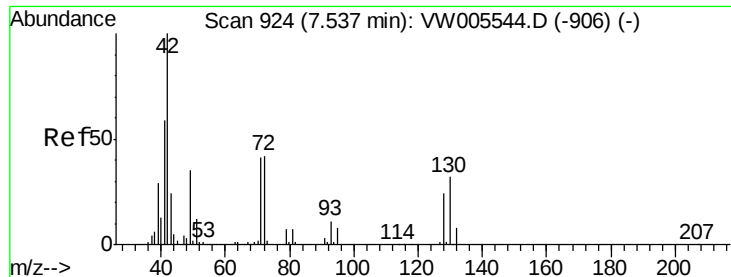
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

Time-->

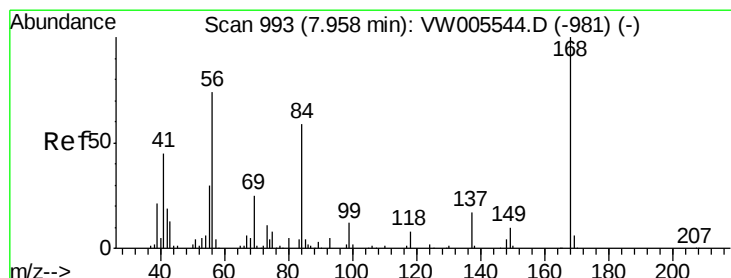
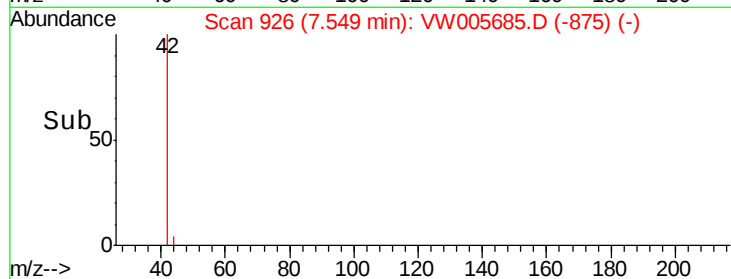
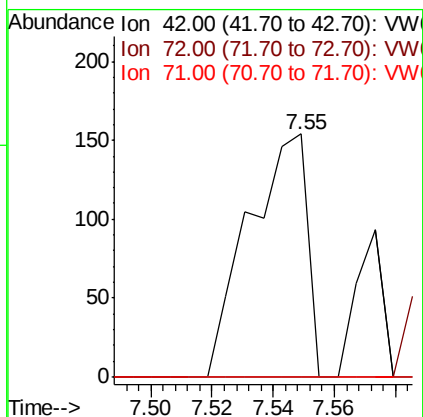
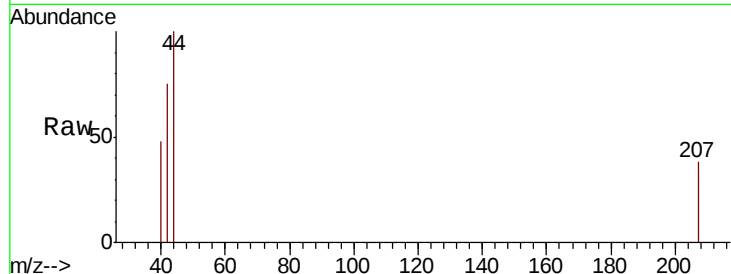




#29
Tetrahydrofuran
Concen: 1.242 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005685.D
Acq: 27 Sep 2018 07:02

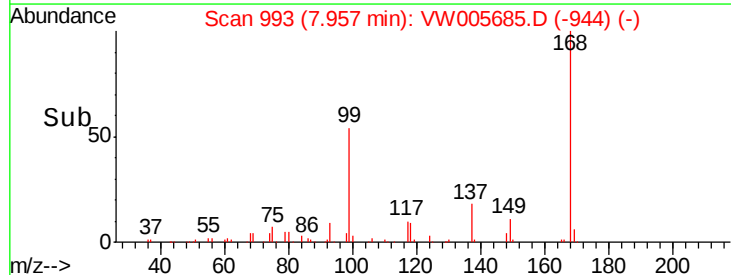
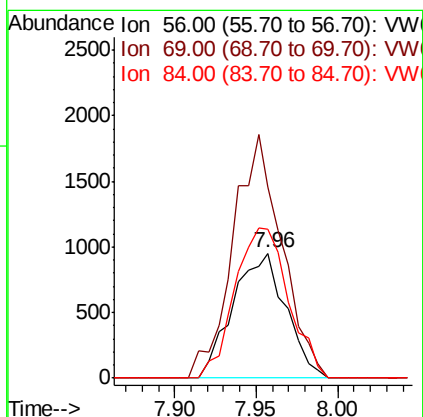
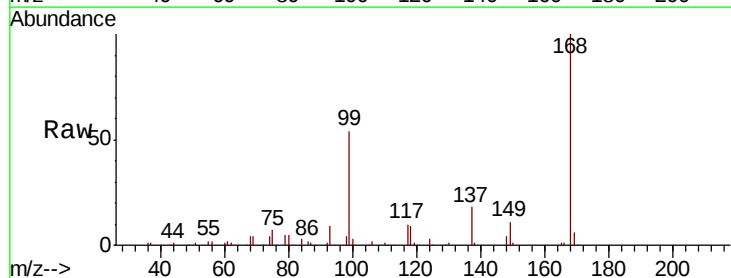
Instrument :
MSVOA_W
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CL-02-092518-BRE

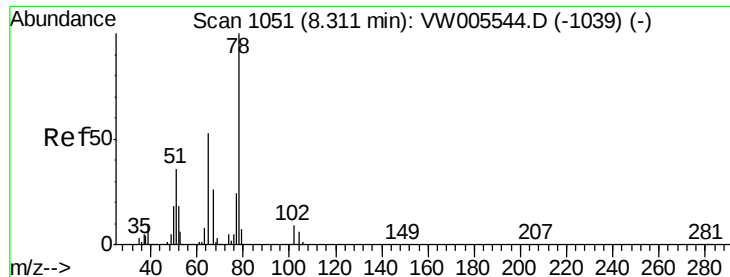
Tgt Ion: 42 Resp: 204
Ion Ratio Lower Upper
42 100
72 0.0 33.6 50.4#
71 0.0 31.8 47.6#



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005685.D
Acq: 27 Sep 2018 07:02

Tgt Ion: 56 Resp: 2139
Ion Ratio Lower Upper
56 100
69 153.6 27.0 40.4#
84 119.0 64.2 96.4#

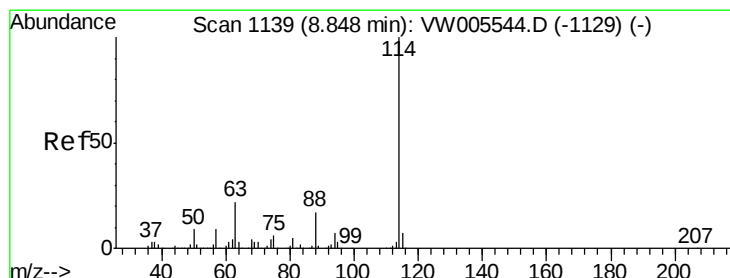
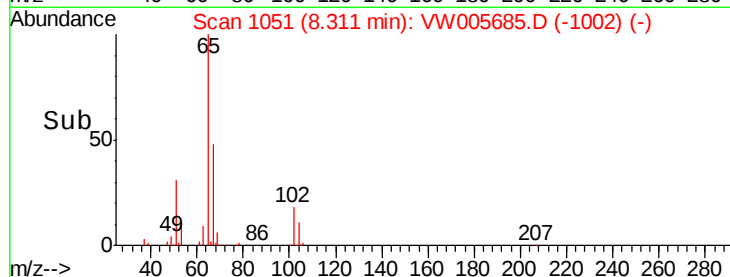
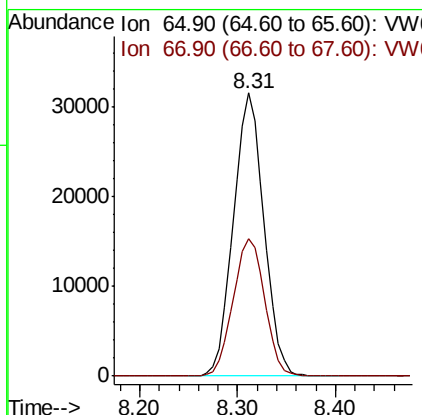
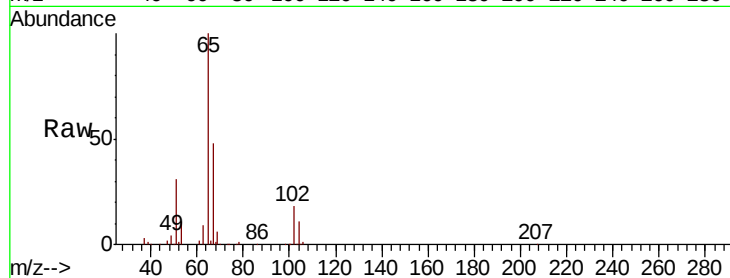




#33
 1,2-Dichloroethane-d4
 Concen: 62.972 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005685.D
 Acq: 27 Sep 2018 07:02

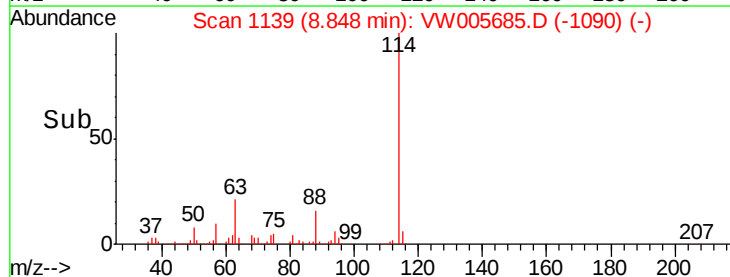
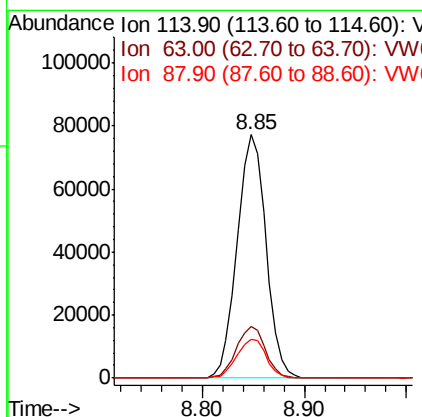
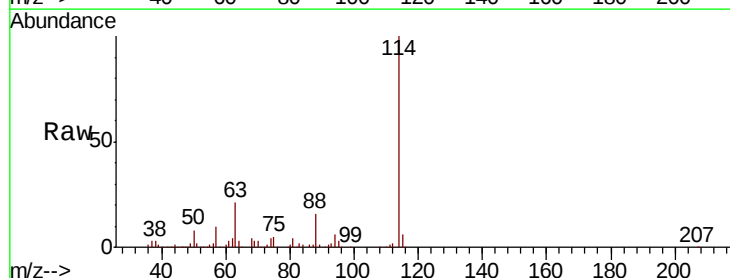
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-BRE

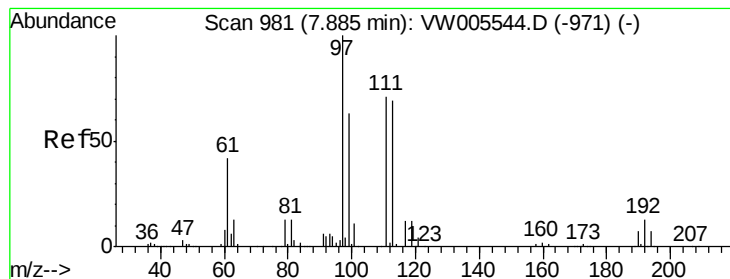
Tgt Ion: 65 Resp: 68179
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005685.D
 Acq: 27 Sep 2018 07:02

Tgt Ion: 114 Resp: 151453
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.0
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 55.400 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-BRE

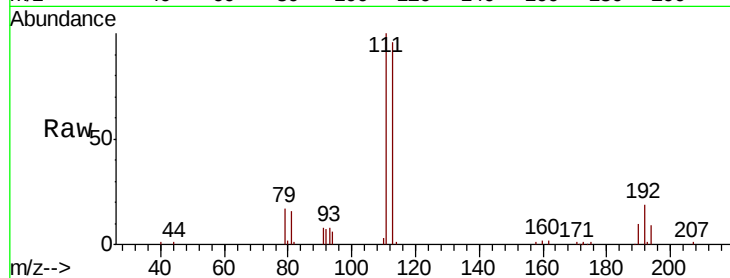
Tgt Ion: 113 Resp: 52765

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

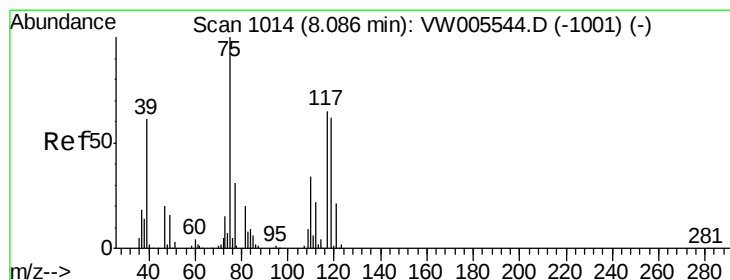
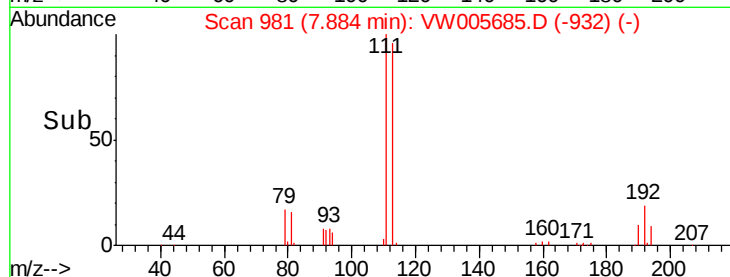
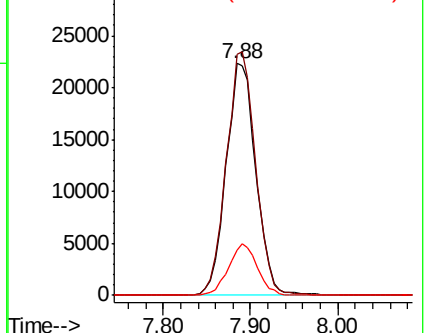
192 21.5 17.0 25.4



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: 4.801 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

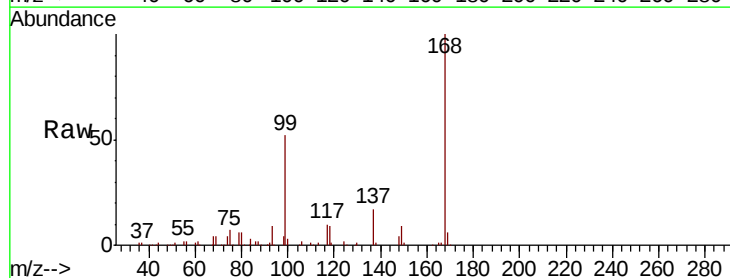
Tgt Ion: 75 Resp: 7319

Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

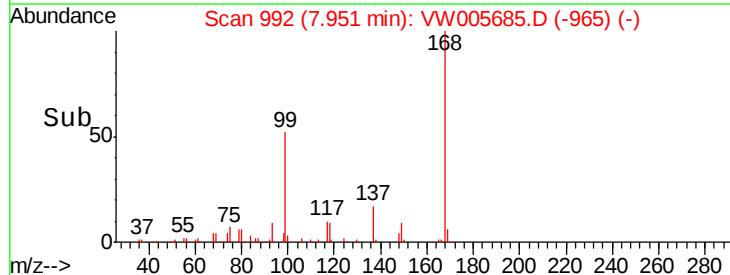
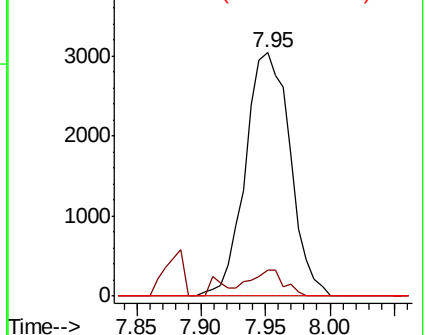
77 0.0 24.8 37.2#

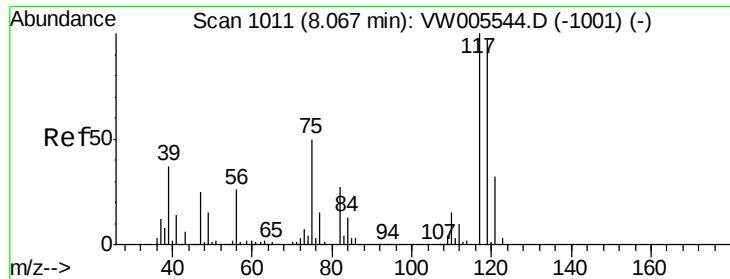


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

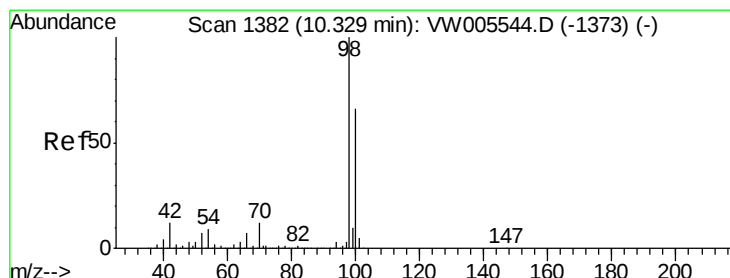
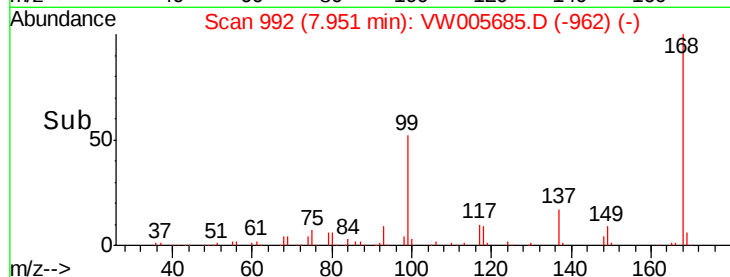
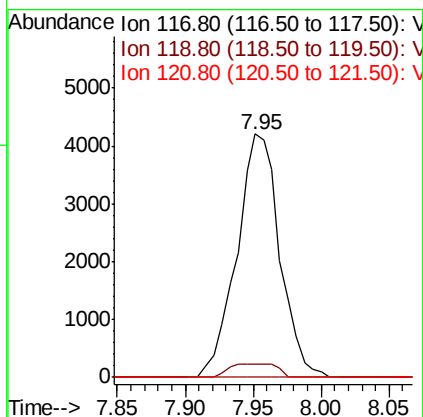
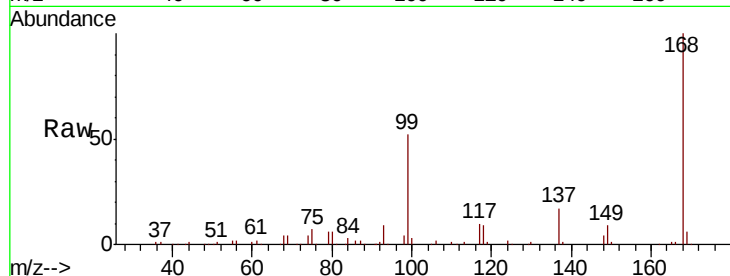




#38
 Carbon Tetrachloride
 Concen: 5.654 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005685.D
 Acq: 27 Sep 2018 07:02

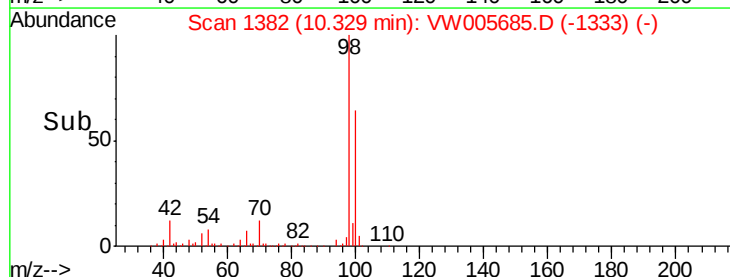
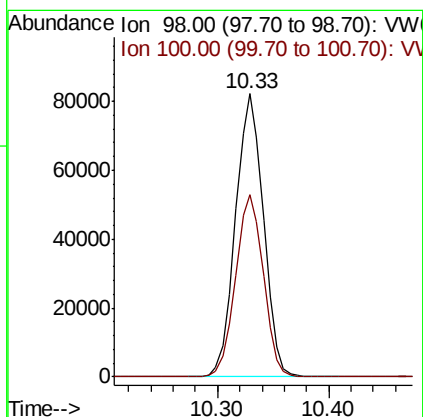
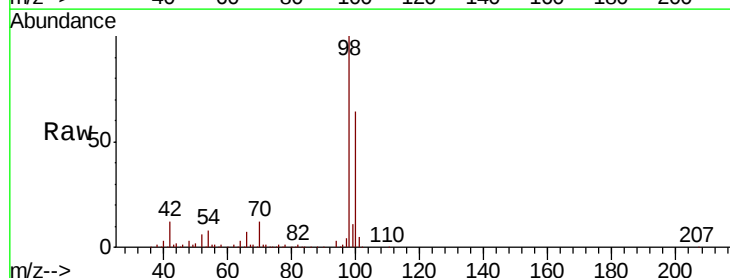
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-BRE

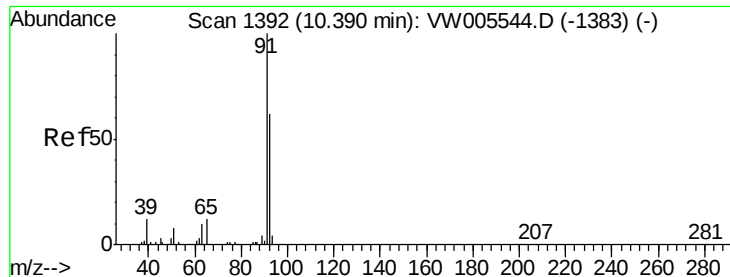
Tgt Ion: 117 Resp: 9237
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.6 116.4#
 121 0.0 25.7 38.5#



#50
 Toluene-d8
 Concen: 36.731 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VW005685.D
 Acq: 27 Sep 2018 07:02

Tgt Ion: 98 Resp: 142446
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.6 77.4





#52

Toluene

Concen: 3.193 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

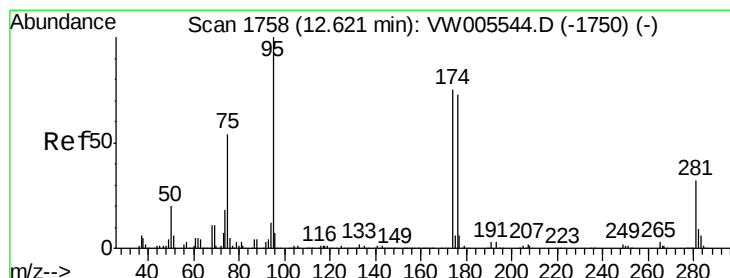
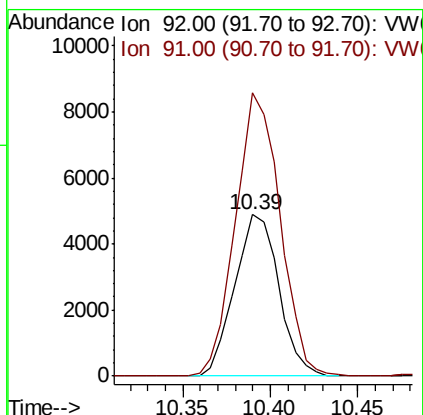
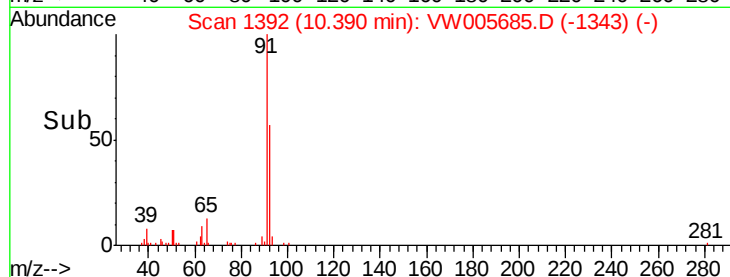
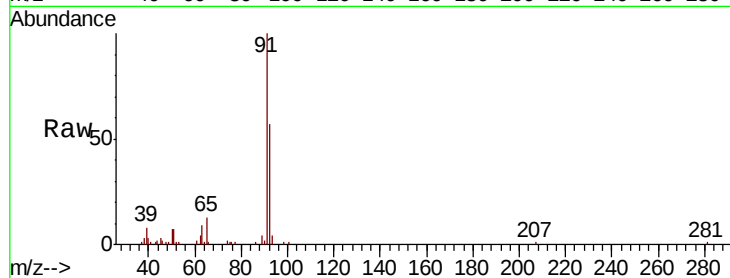
CL-02-092518-BRE

Tgt Ion: 92 Resp: 8607

Ion Ratio Lower Upper

92 100

91 177.3 137.1 205.7



#62

4-Bromofluorobenzene

Concen: 36.834 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

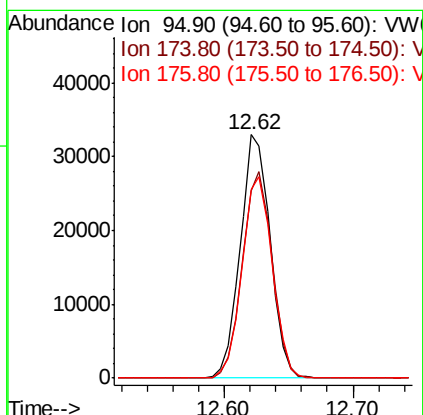
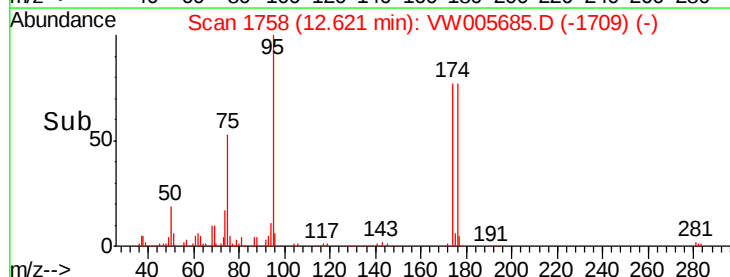
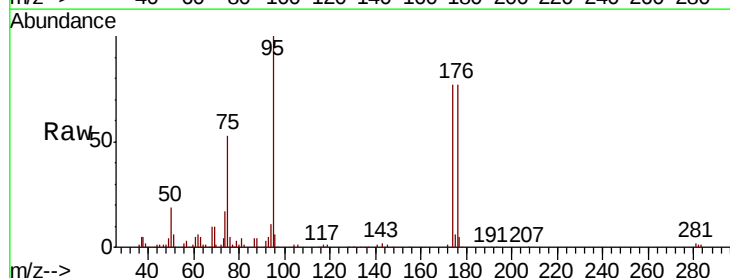
Tgt Ion: 95 Resp: 52857

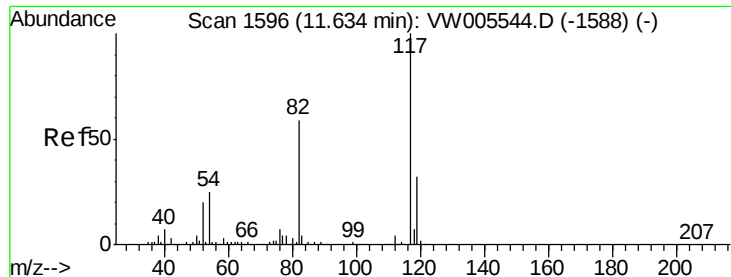
Ion Ratio Lower Upper

95 100

174 84.6 0.0 163.8

176 83.3 0.0 158.0

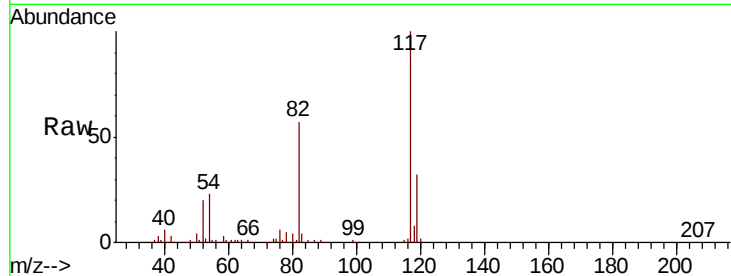




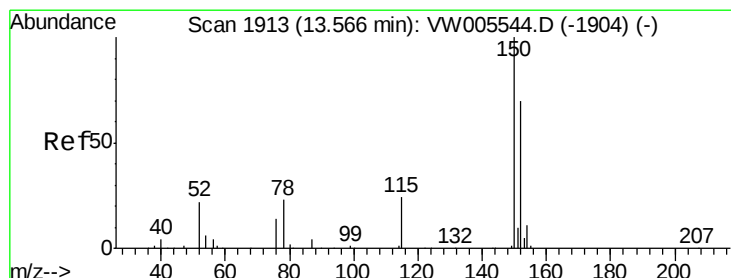
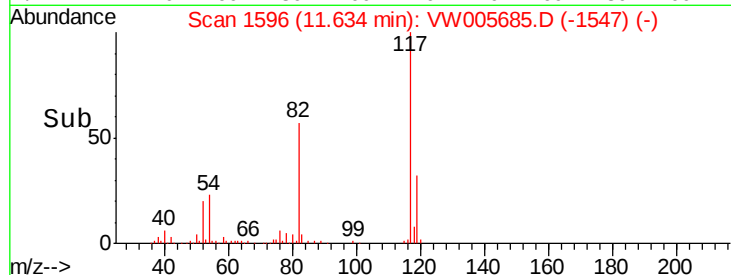
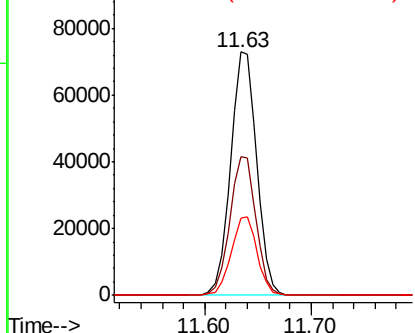
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005685.D
Acq: 27 Sep 2018 07:02

Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-BRE

Tgt Ion:117 Resp: 125427
Ion Ratio Lower Upper
117 100
82 57.1 46.9 70.3
119 31.9 25.7 38.5

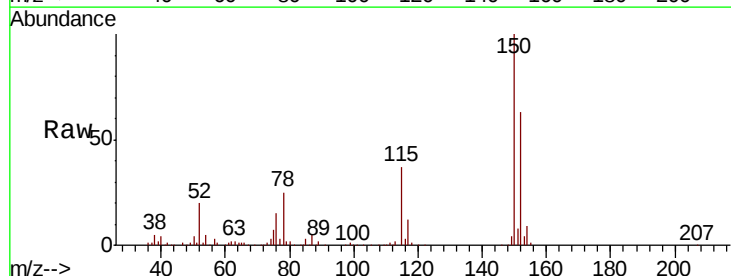


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

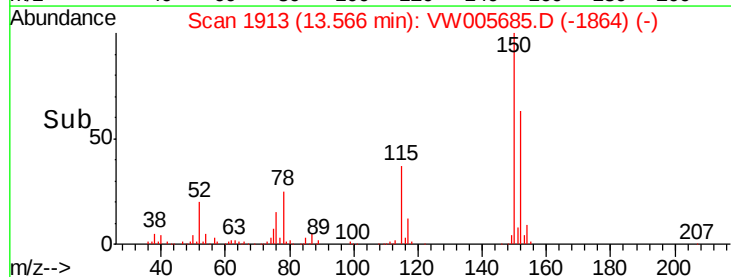
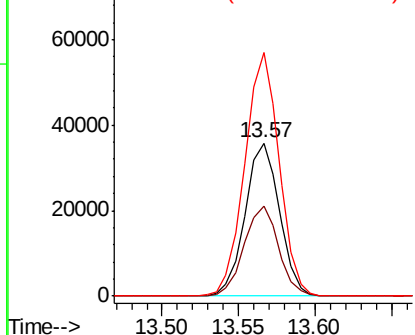


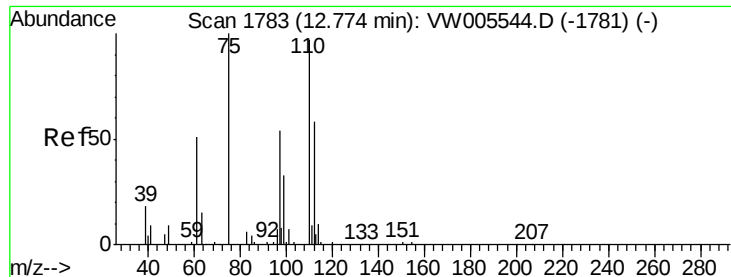
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005685.D
Acq: 27 Sep 2018 07:02

Tgt Ion:152 Resp: 55956
Ion Ratio Lower Upper
152 100
115 59.1 30.0 90.0
150 158.4 0.0 348.6



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: 57.278 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

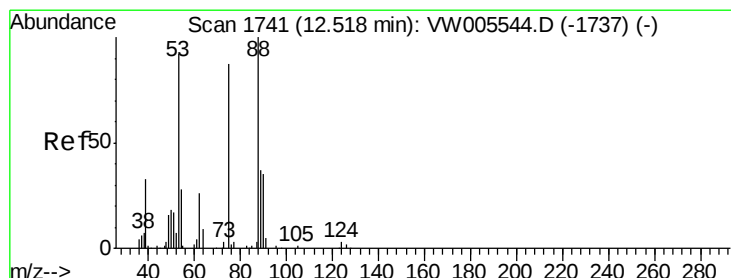
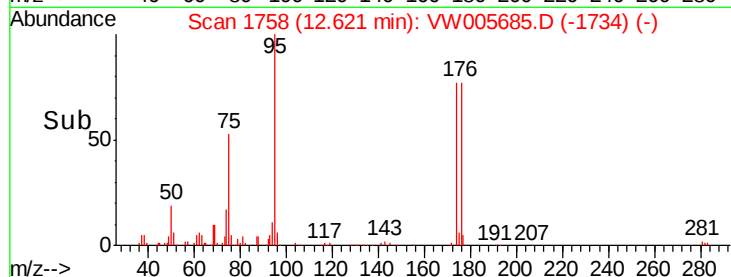
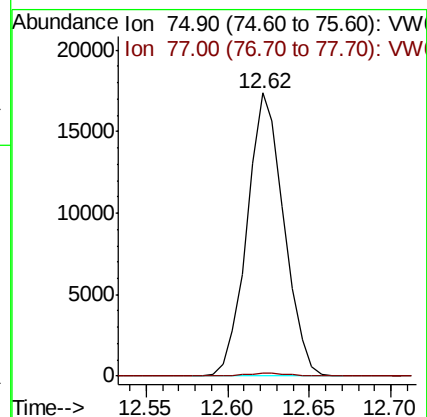
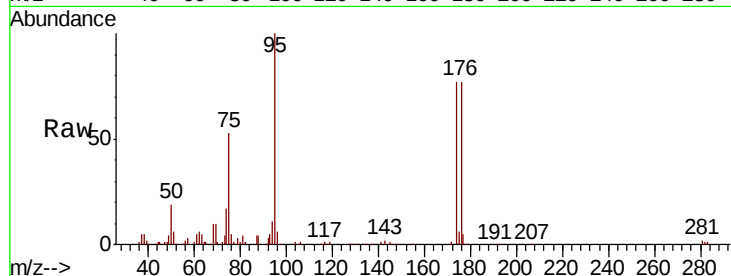
CL-02-092518-BRE

Tgt Ion: 75 Resp: 27321

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.008 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005685.D

Acq: 27 Sep 2018 07:02

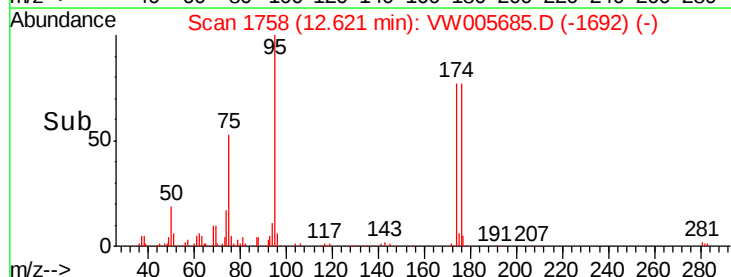
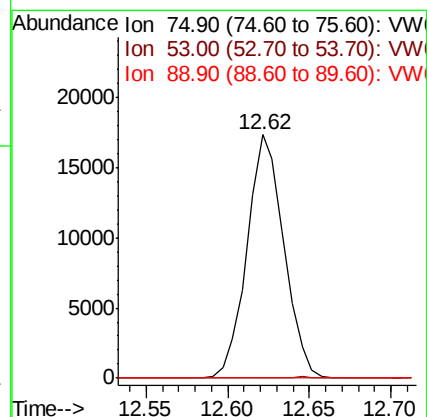
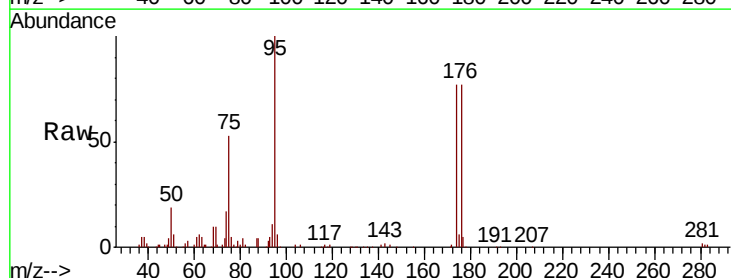
Tgt Ion: 75 Resp: 27321

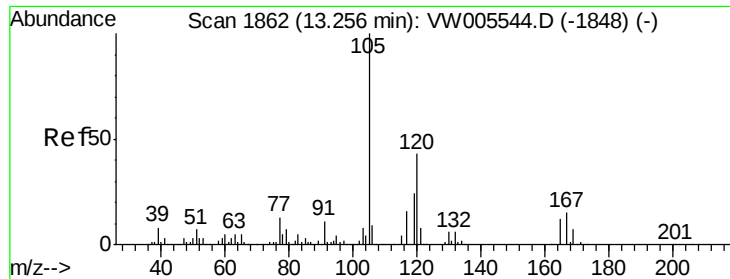
Ion Ratio Lower Upper

75 100

53 0.1 85.8 128.6#

89 0.0 37.3 55.9#

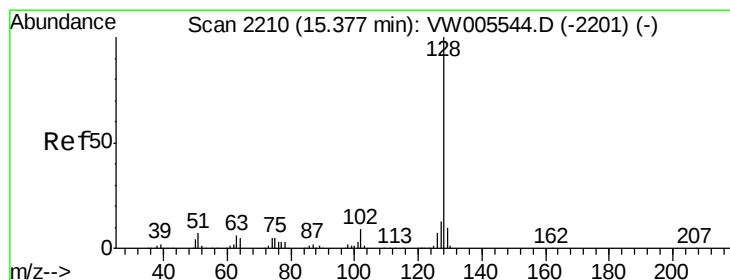
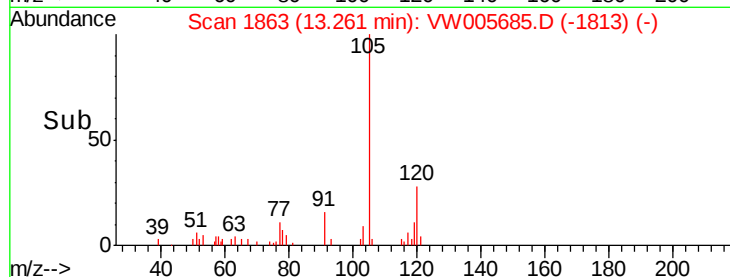
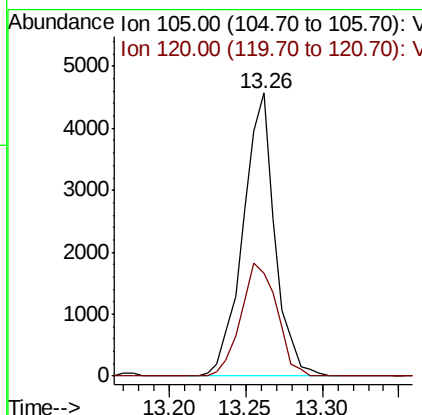
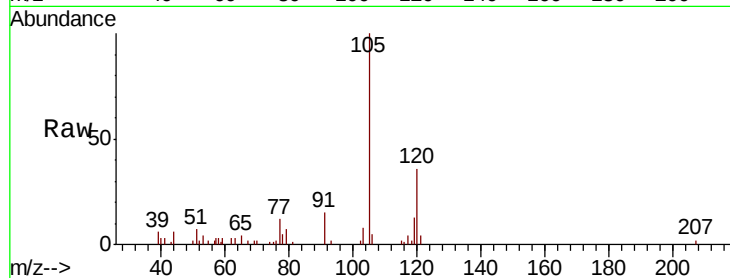




#84
 1,2,4-Trimethylbenzene
 Concen: 1.936 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW005685.D
 Acq: 27 Sep 2018 07:02

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-BRE

Tgt Ion:105 Resp: 6591
 Ion Ratio Lower Upper
 105 100
 120 45.3 21.5 64.5



#95
 Naphthalene
 Concen: 1.305 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW005685.D
 Acq: 27 Sep 2018 07:02

Tgt Ion:128 Resp: 2570
 Ion Ratio Lower Upper
 128 100
 127 9.6 10.9 16.3#
 129 15.1 8.6 13.0#

