

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005665.D
 Acq On : 26 Sep 2018 20:42
 Operator : VA/AP
 Sample : J4773-19
 Misc : 7.47G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Sep 27 06:56:21 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	256816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	426557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	154574	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	165163	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
35) Dibromofluoromethane	7.88	113	136329	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	10.33	98	496395	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
62) 4-Bromofluorobenzene	12.62	95	159257	39.41	ug/l	0.00
Spiked Amount			Recovery	=	78.82%	

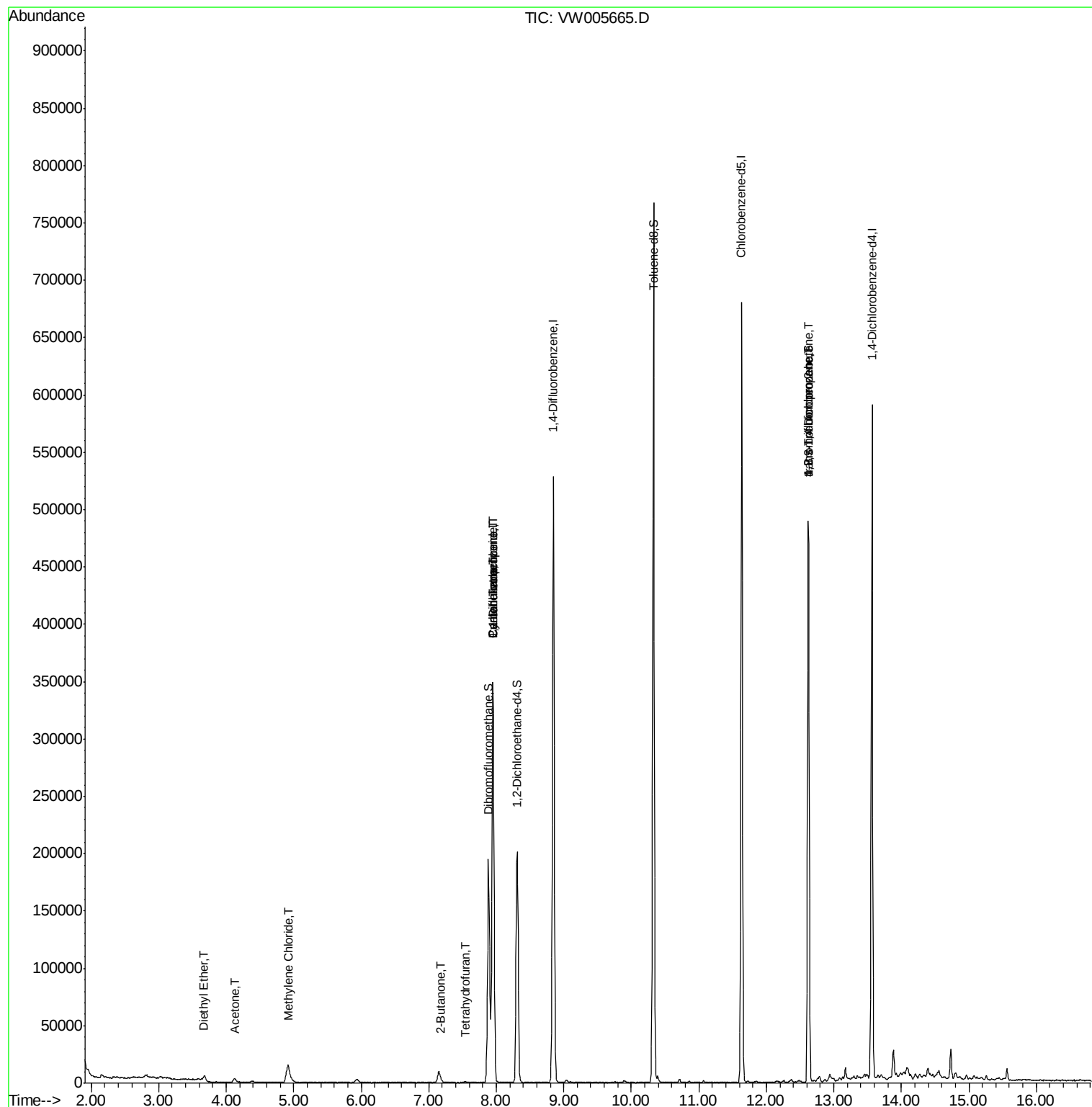
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	123	Below Cal	#	41
8) Diethyl Ether	3.67	74	2950	2.340	ug/l	88
11) Tert butyl alcohol	5.20	59	31	Below Cal	#	72
13) Acrolein	4.06	56	20	Below Cal	#	13
16) Acetone	4.13	43	6195	3.729	ug/l	95
20) Methylene Chloride	4.92	84	14372	1.511	ug/l	93
25) 2-Butanone	7.18	43	904	1.230	ug/l #	50
29) Tetrahydrofuran	7.54	42	517	1.126	ug/l #	75
31) Cyclohexane	7.95	56	5639	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20025	4.664	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24614	5.349	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	81591	61.922	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81591	139.467	ug/l #	7

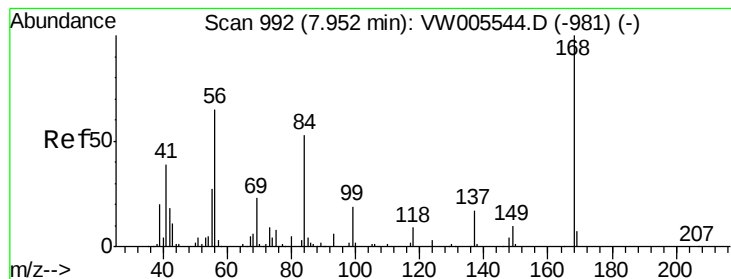
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW005665.D

Acq: 26 Sep 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

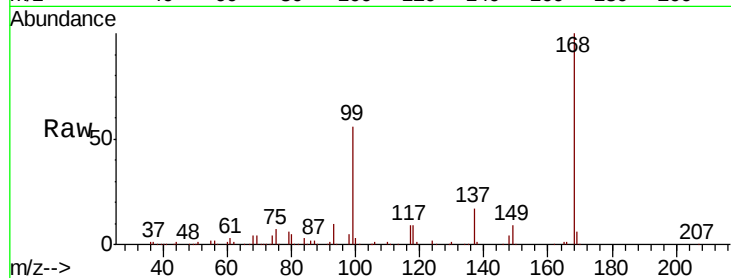
CL-02-092518-E

Tgt Ion:168 Resp: 256816

Ion Ratio Lower Upper

168 100

99 56.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

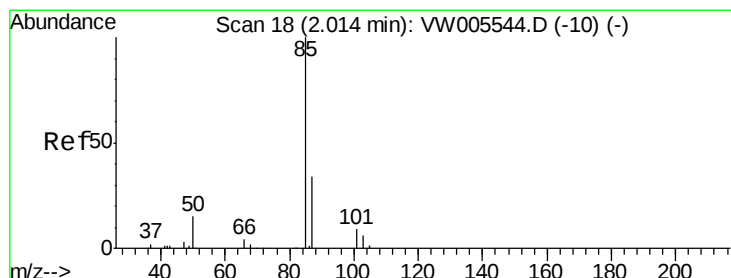
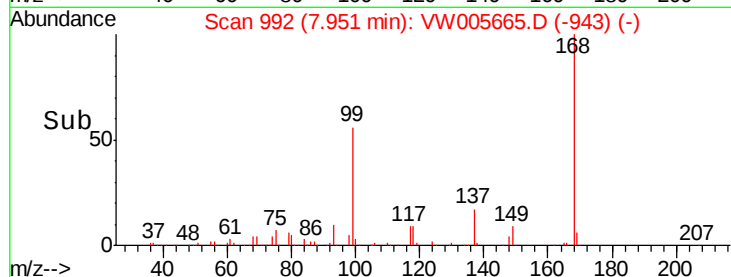
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005665.D

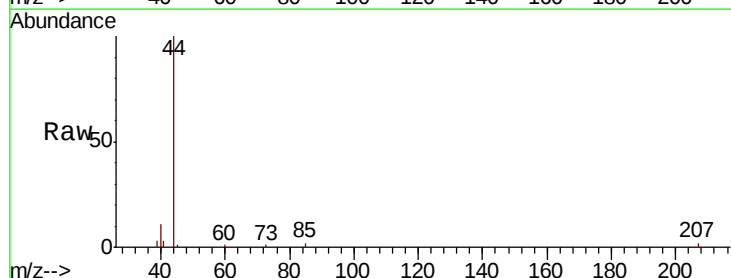
Acq: 26 Sep 2018 20:42

Tgt Ion: 85 Resp: 123

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

2.01

100

80

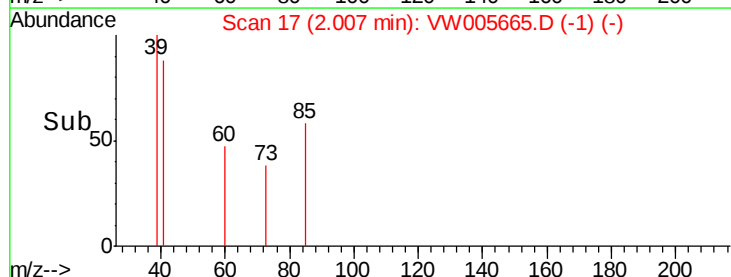
60

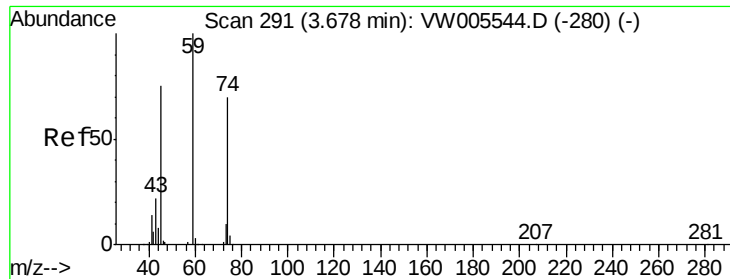
40

20

0

Time--> 1.98 2.00 2.02 2.04





#8

Diethyl Ether

Concen: 2.340 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW005665.D

Acq: 26 Sep 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

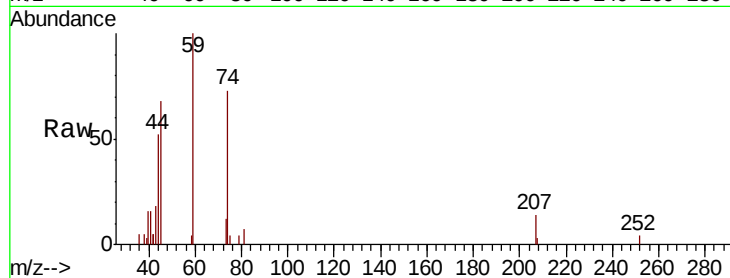
CL-02-092518-E

Tgt Ion: 74 Resp: 2950

Ion Ratio Lower Upper

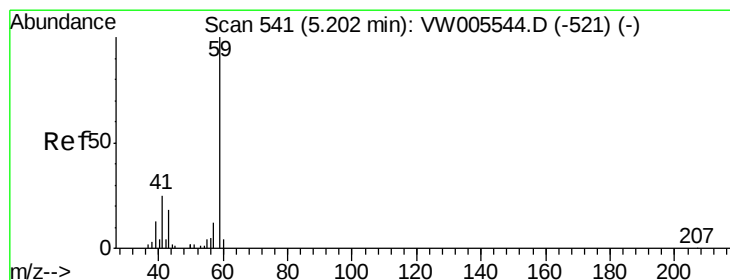
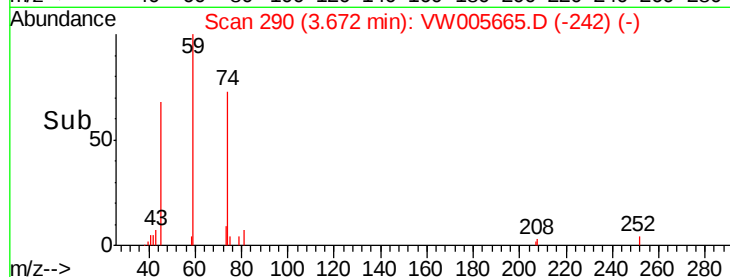
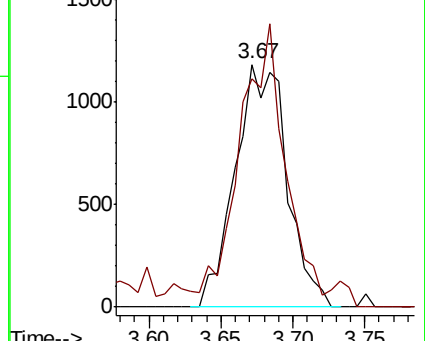
74 100

45 90.8 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: 5.20 min Scan# 541

Delta R.T. -0.00 min

Lab File: VW005665.D

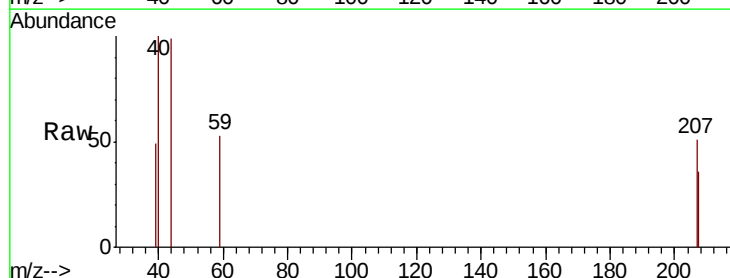
Acq: 26 Sep 2018 20:42

Tgt Ion: 59 Resp: 31

Ion Ratio Lower Upper

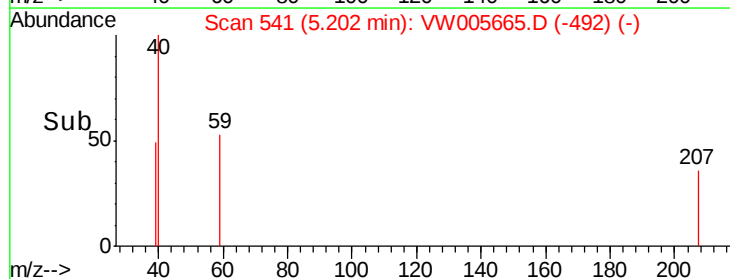
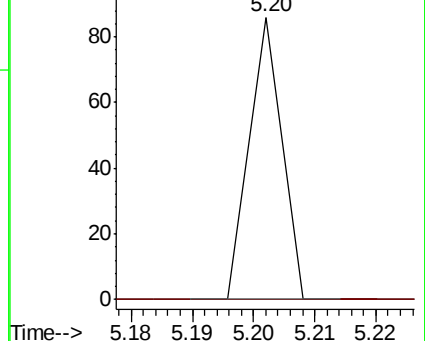
59 100

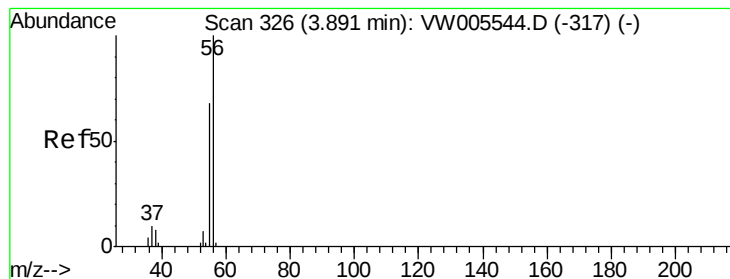
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 4.06 min Scan# 353

Delta R.T. 0.16 min

Lab File: VW005665.D

Acq: 26 Sep 2018 20:42

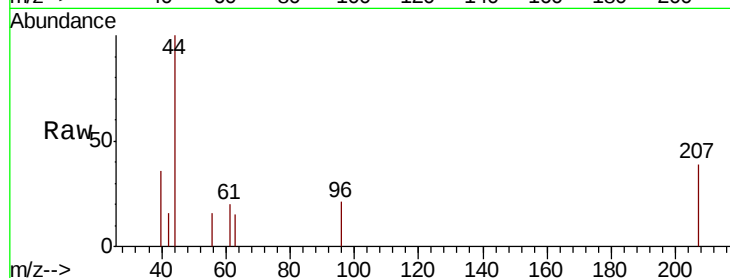
Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-E

Tgt Ion: 56 Resp: 20

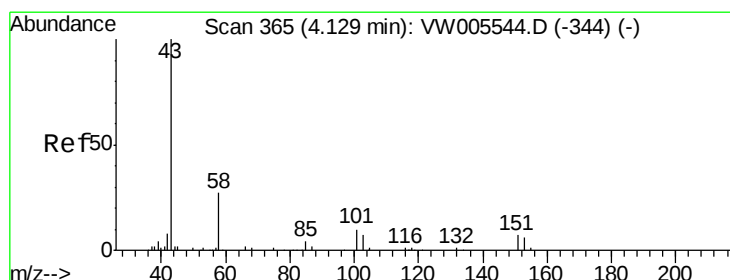
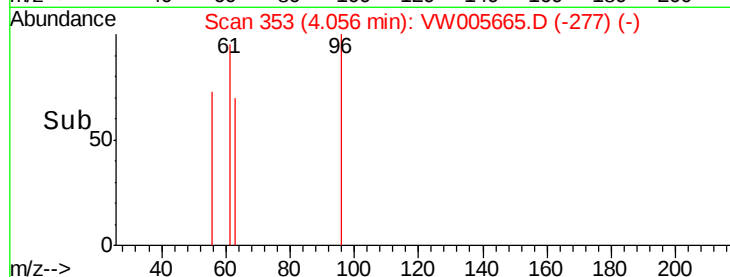
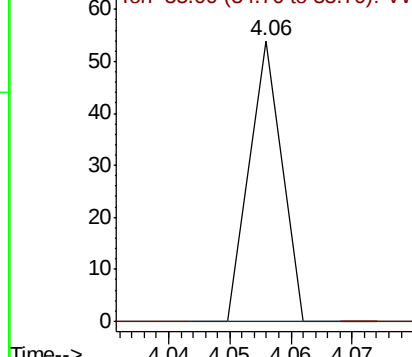
Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 3.729 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005665.D

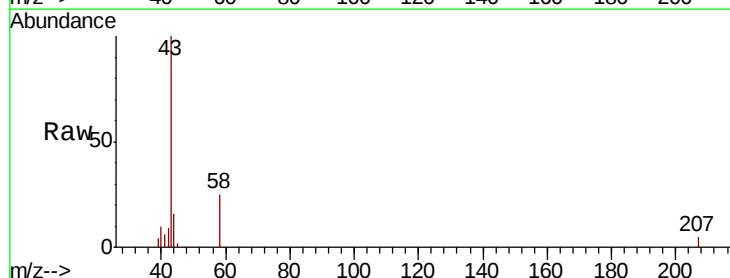
Acq: 26 Sep 2018 20:42

Tgt Ion: 43 Resp: 6195

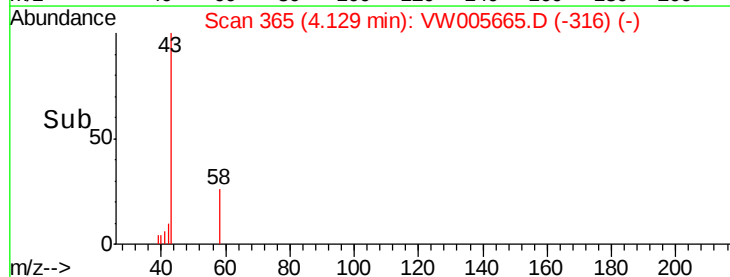
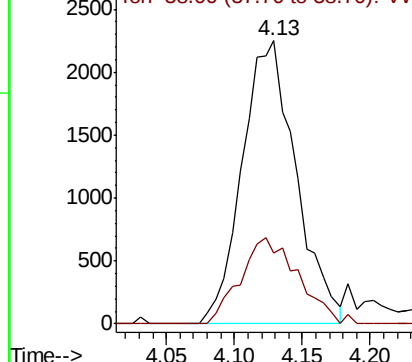
Ion Ratio Lower Upper

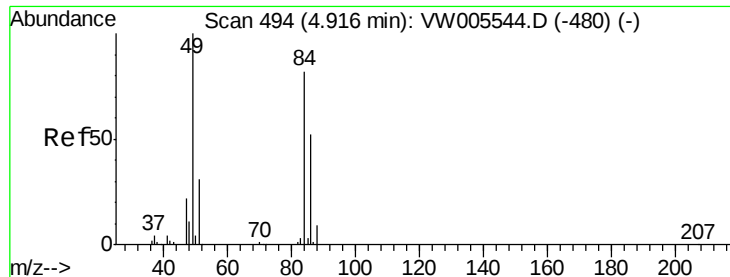
43 100

58 24.9 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.511 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW005665.D

Acq: 26 Sep 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-E

Tgt Ion: 84 Resp: 14372

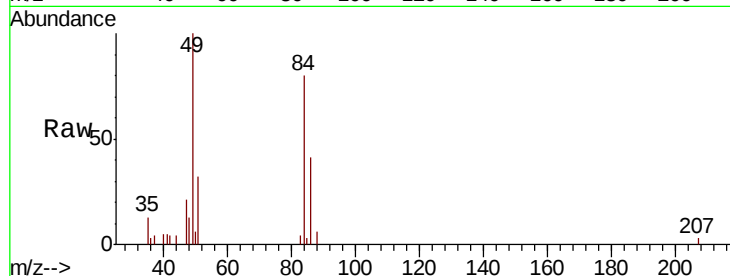
Ion Ratio Lower Upper

84 100

49 125.2 97.0 145.6

51 40.1 30.2 45.2

86 51.2 50.2 75.4

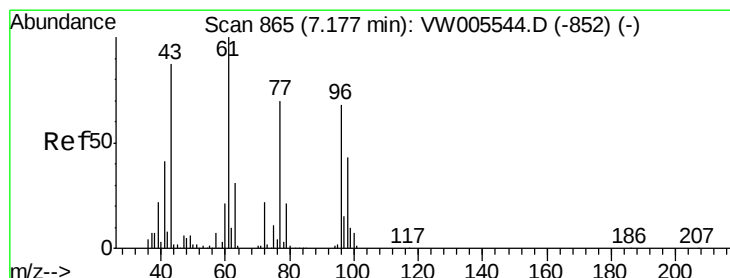
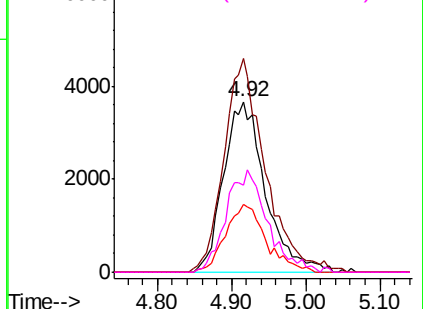
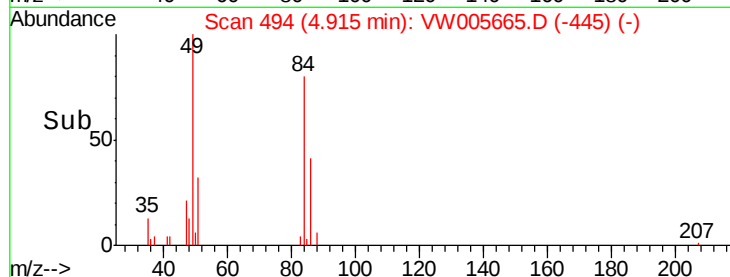


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 1.230 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005665.D

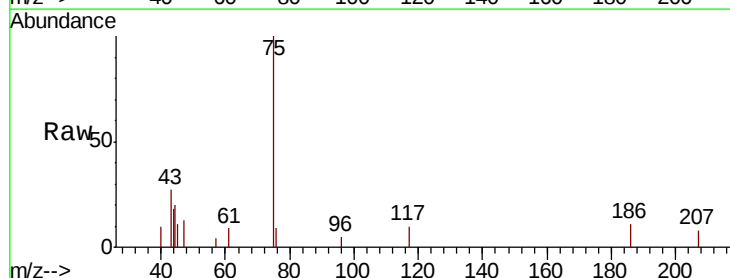
Acq: 26 Sep 2018 20:42

Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

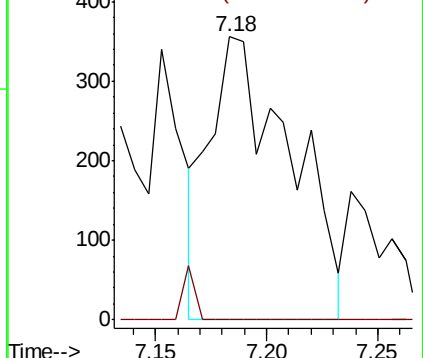
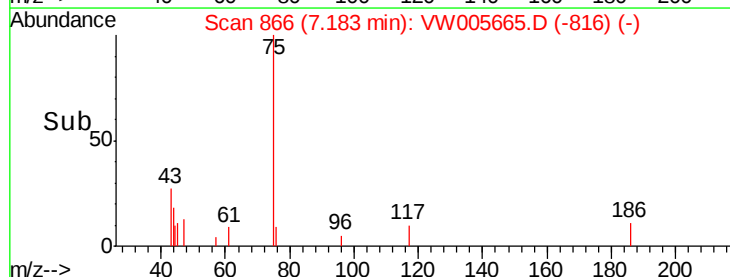
43 100

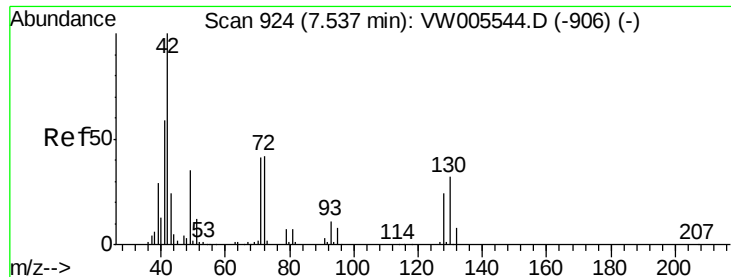
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.126 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005665.D

Acq: 26 Sep 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-E

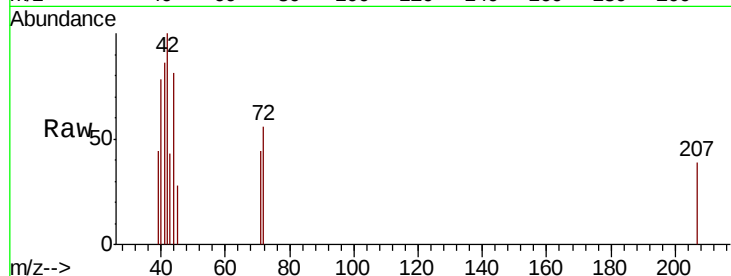
Tgt Ion: 42 Resp: 517

Ion Ratio Lower Upper

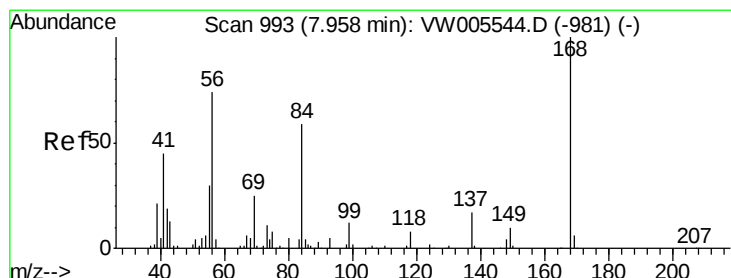
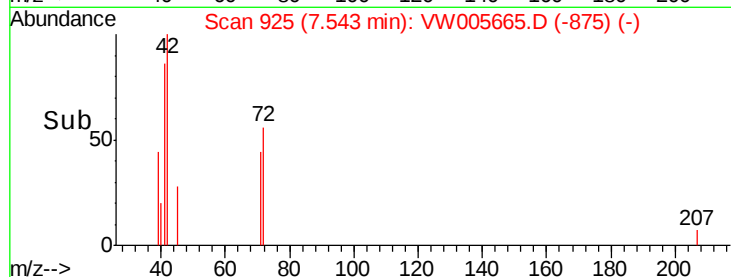
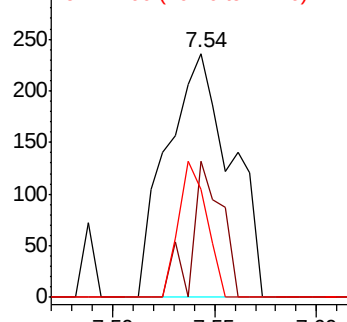
42 100

72 26.1 33.6 50.4#

71 24.6 31.8 47.6#



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



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005665.D

Acq: 26 Sep 2018 20:42

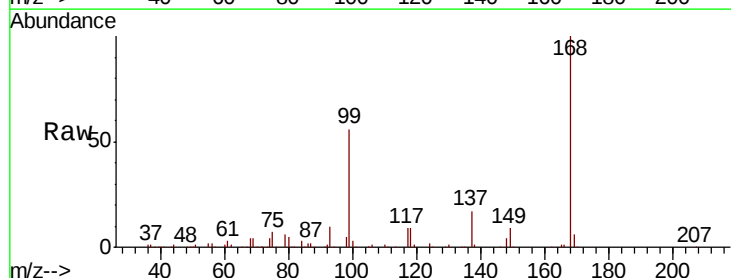
Tgt Ion: 56 Resp: 5639

Ion Ratio Lower Upper

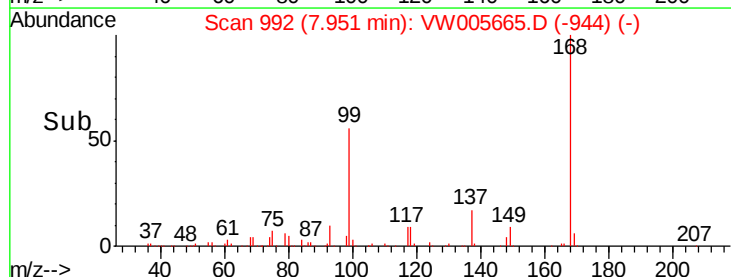
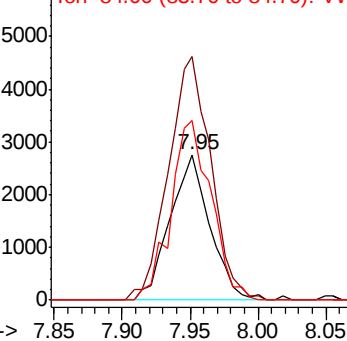
56 100

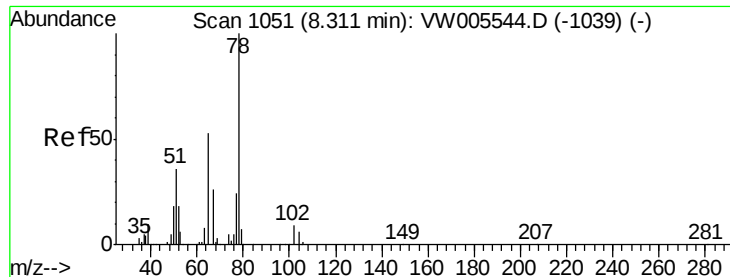
69 167.2 27.0 40.4#

84 123.5 64.2 96.4#



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

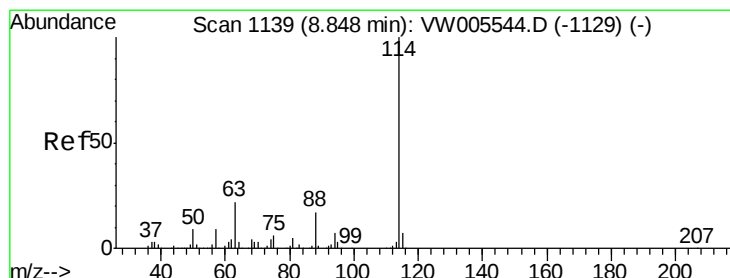
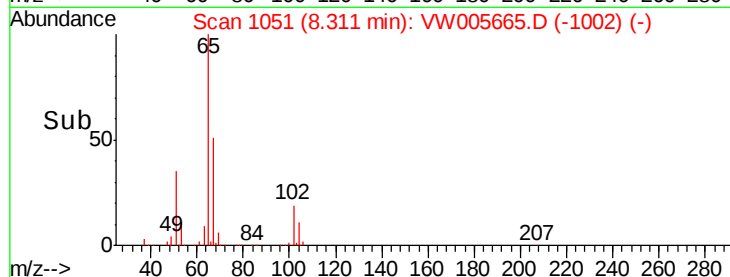
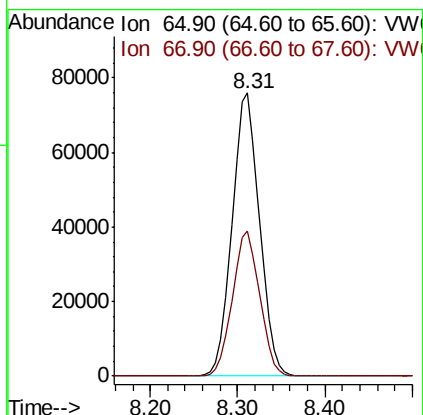
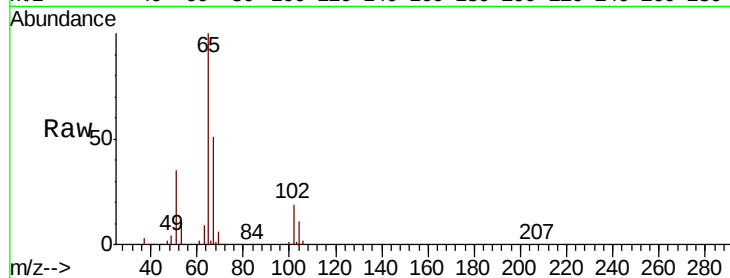




#33
 1,2-Dichloroethane-d4
 Concen: 54.591 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005665.D
 Acq: 26 Sep 2018 20:42

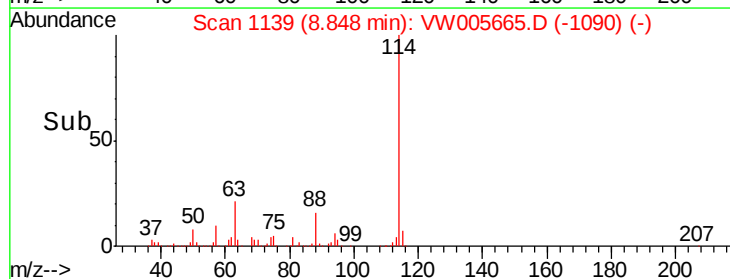
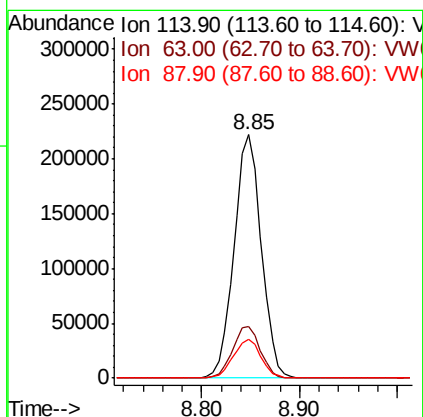
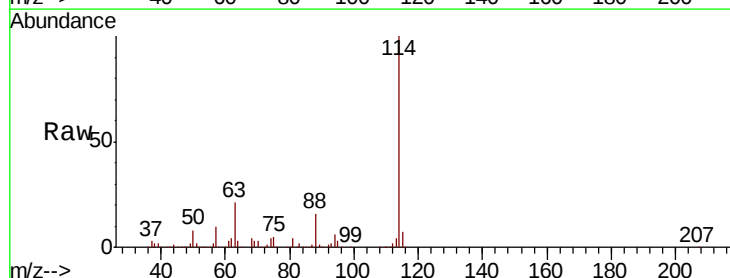
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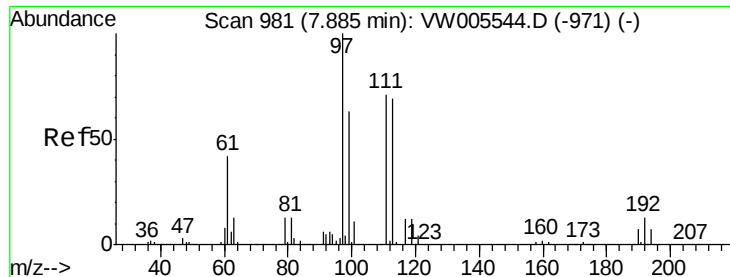
Tgt Ion: 65 Resp: 165163
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005665.D
 Acq: 26 Sep 2018 20:42

Tgt Ion: 114 Resp: 426557
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 16.1 0.0 33.0

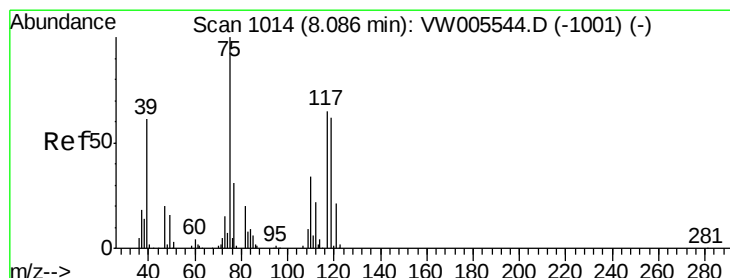
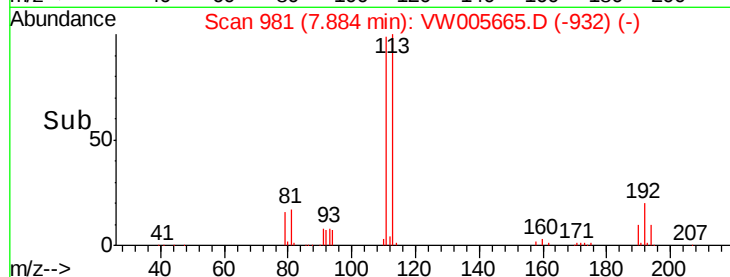
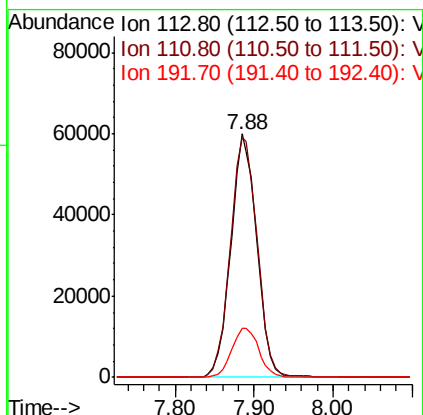
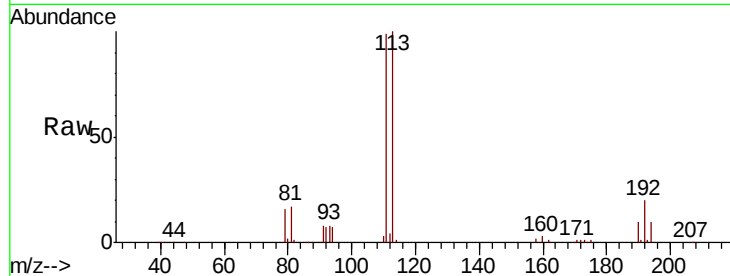




#35
 Dibromofluoromethane
 Concen: 50.823 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005665.D
 Acq: 26 Sep 2018 20:42

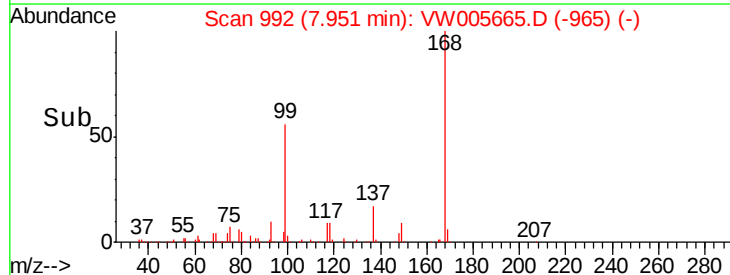
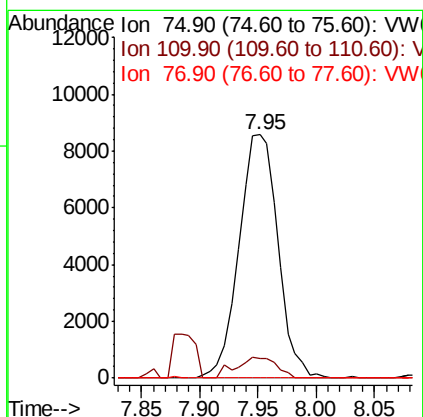
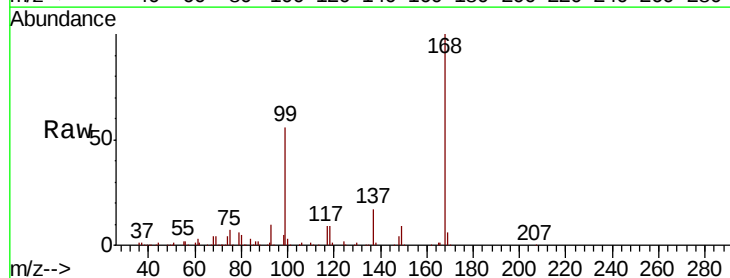
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-E

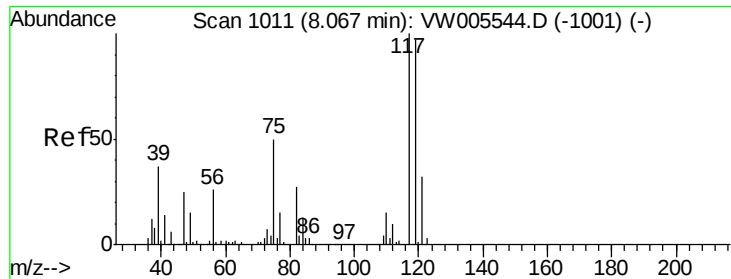
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	21.1	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.664 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005665.D
 Acq: 26 Sep 2018 20:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.0	50.9#
77	0.0	24.8	37.2#

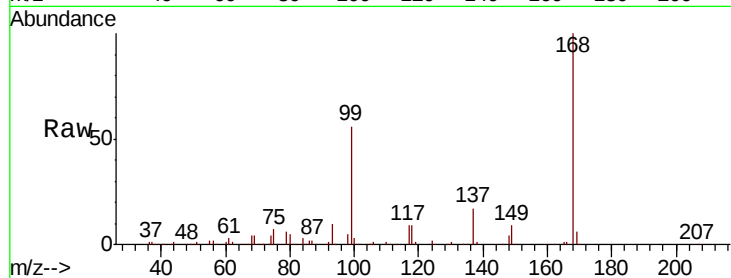




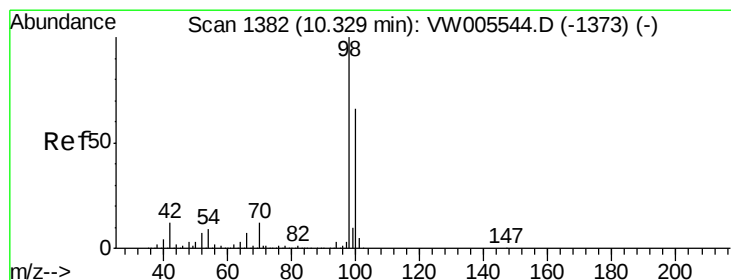
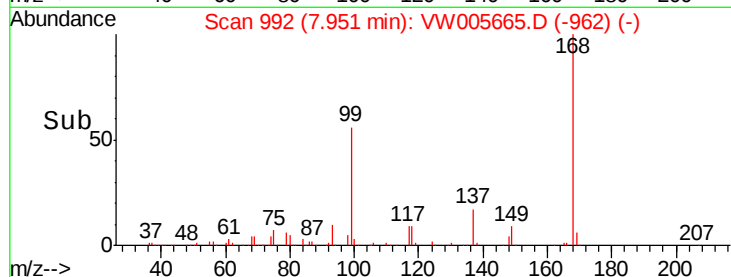
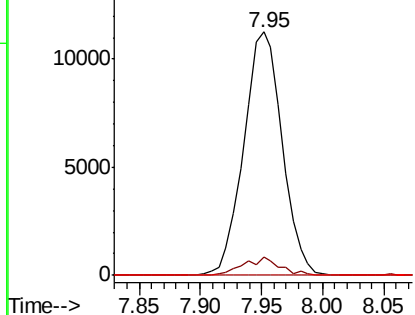
#38
Carbon Tetrachloride
Concen: 5.349 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005665.D
Acq: 26 Sep 2018 20:42

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

Tgt Ion:117 Resp: 24614
Ion Ratio Lower Upper
117 100
119 7.5 77.6 116.4#
121 0.0 25.7 38.5#

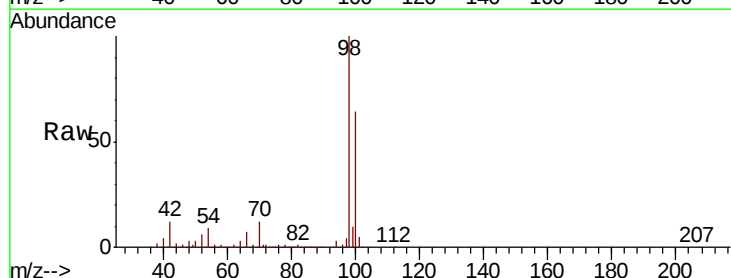


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

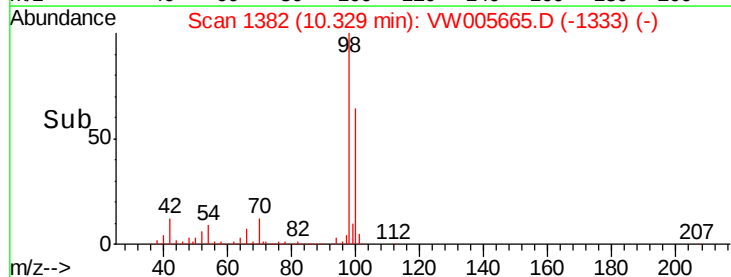
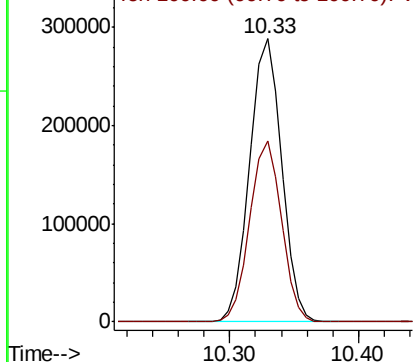


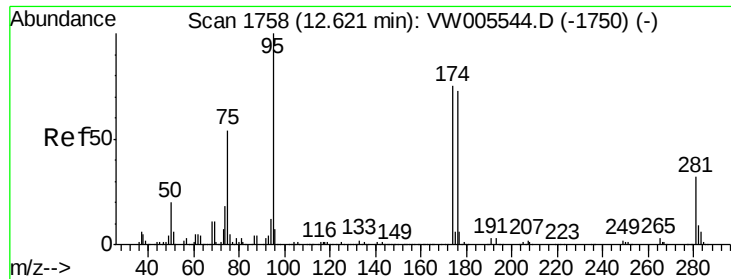
#50
Toluene-d8
Concen: 45.448 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005665.D
Acq: 26 Sep 2018 20:42

Tgt Ion: 98 Resp: 496395
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

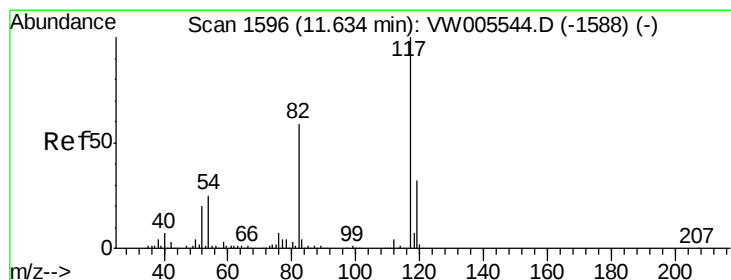
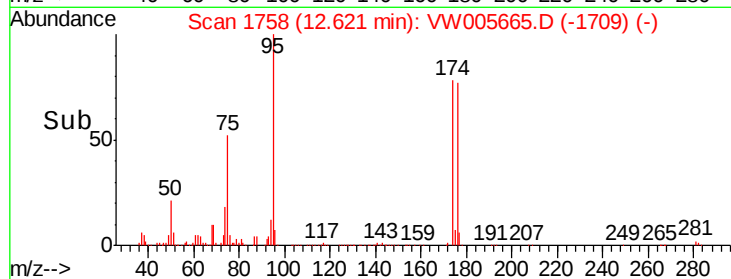
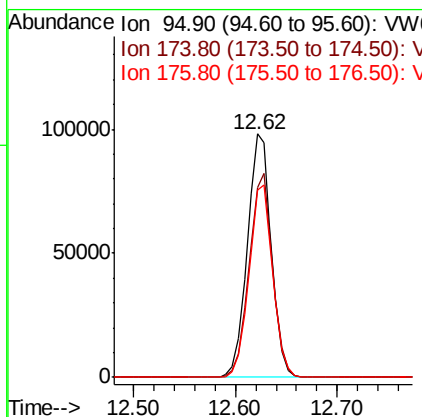
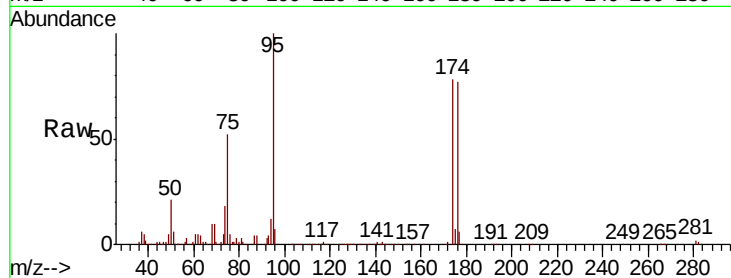




#62
4-Bromofluorobenzene
Concen: 39.405 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005665.D
Acq: 26 Sep 2018 20:42

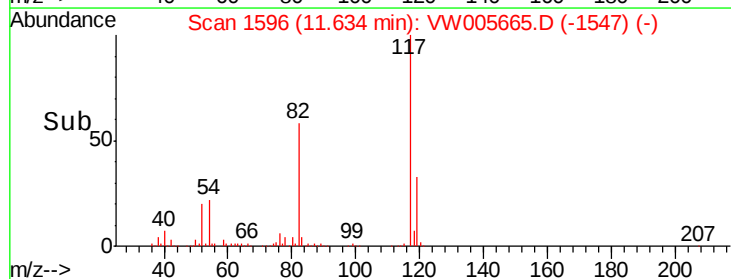
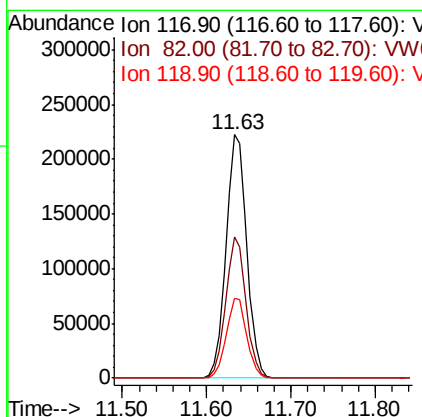
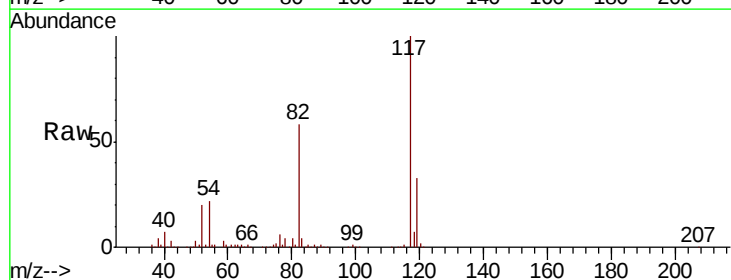
Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-E

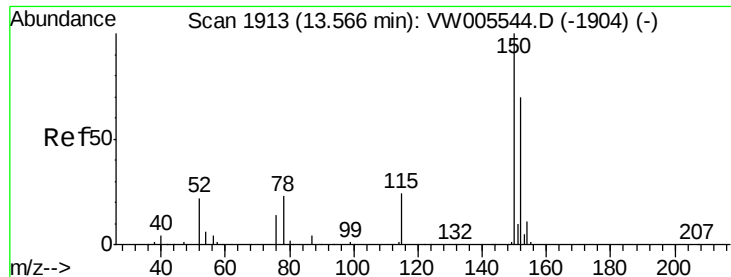
Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	163.8
176	79.0	0.0	158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005665.D
Acq: 26 Sep 2018 20:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.9	70.3
119	32.5	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005665.D

Acq: 26 Sep 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-E

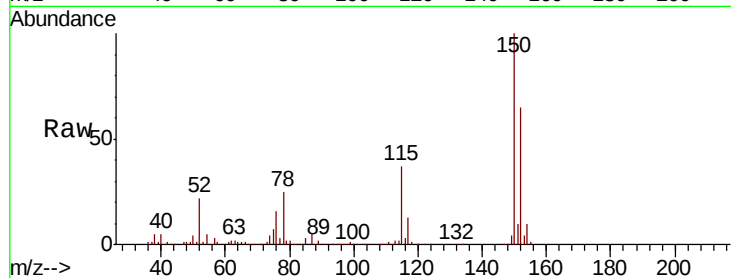
Tgt Ion:152 Resp: 154574

Ion Ratio Lower Upper

152 100

115 58.4 30.0 90.0

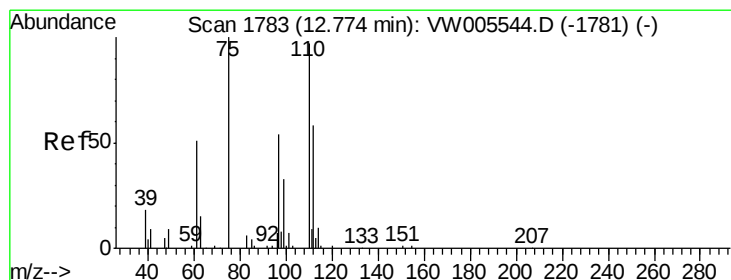
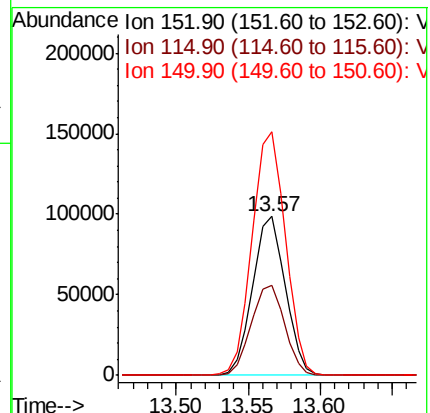
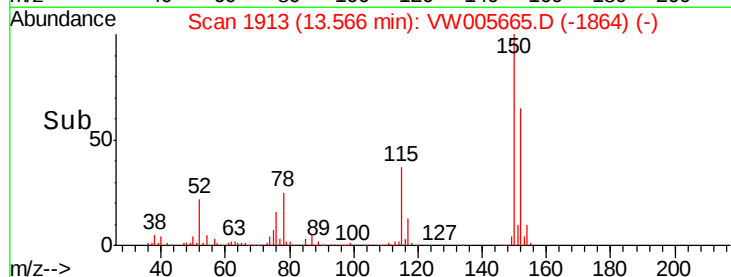
150 156.5 0.0 348.6



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: 61.922 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005665.D

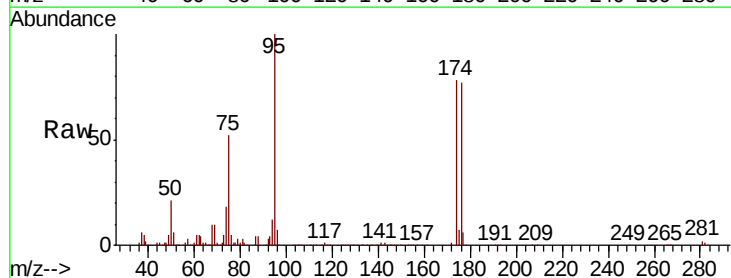
Acq: 26 Sep 2018 20:42

Tgt Ion: 75 Resp: 81591

Ion Ratio Lower Upper

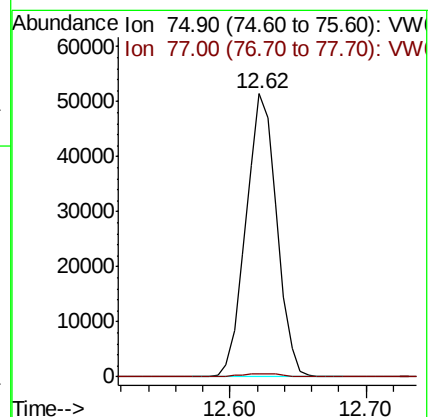
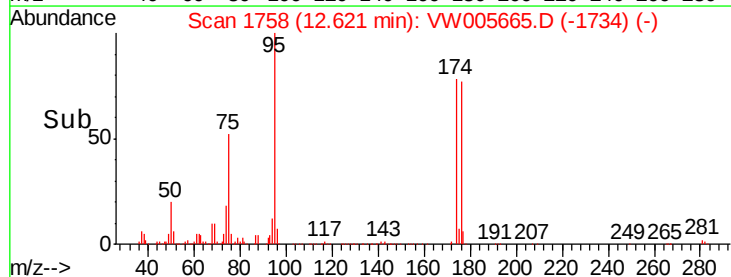
75 100

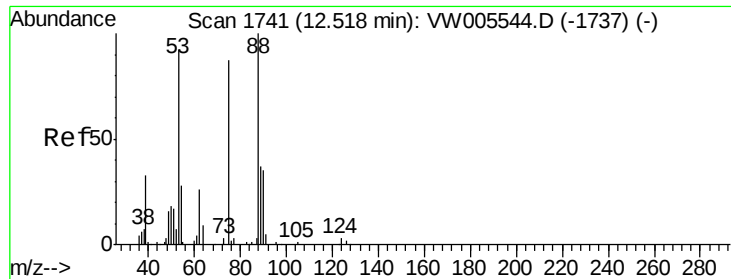
77 1.3 0.0 0.0#



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: 139.467 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005665.D

Acq: 26 Sep 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-E

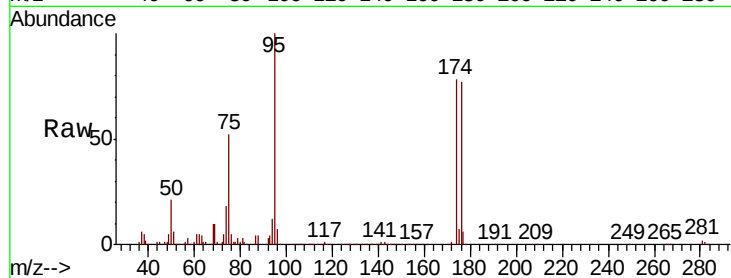
Tgt Ion: 75 Resp: 81591

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.0 37.3 55.9#



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

