

Data File : VW005148.D
Acq On : 05 Sep 2018 23:26
Operator : SY/AP
Sample : J4712-02RE
Misc : 5.85G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-14RE

Quant Time: Sep 06 01:24:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	520790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	848604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	845653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	396142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	319771	74.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.14%	
35) Dibromofluoromethane	7.89	113	290125	59.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.32%	
50) Toluene-d8	10.33	98	1272385	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
62) 4-Bromofluorobenzene	12.62	95	434916	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	

Target Compounds

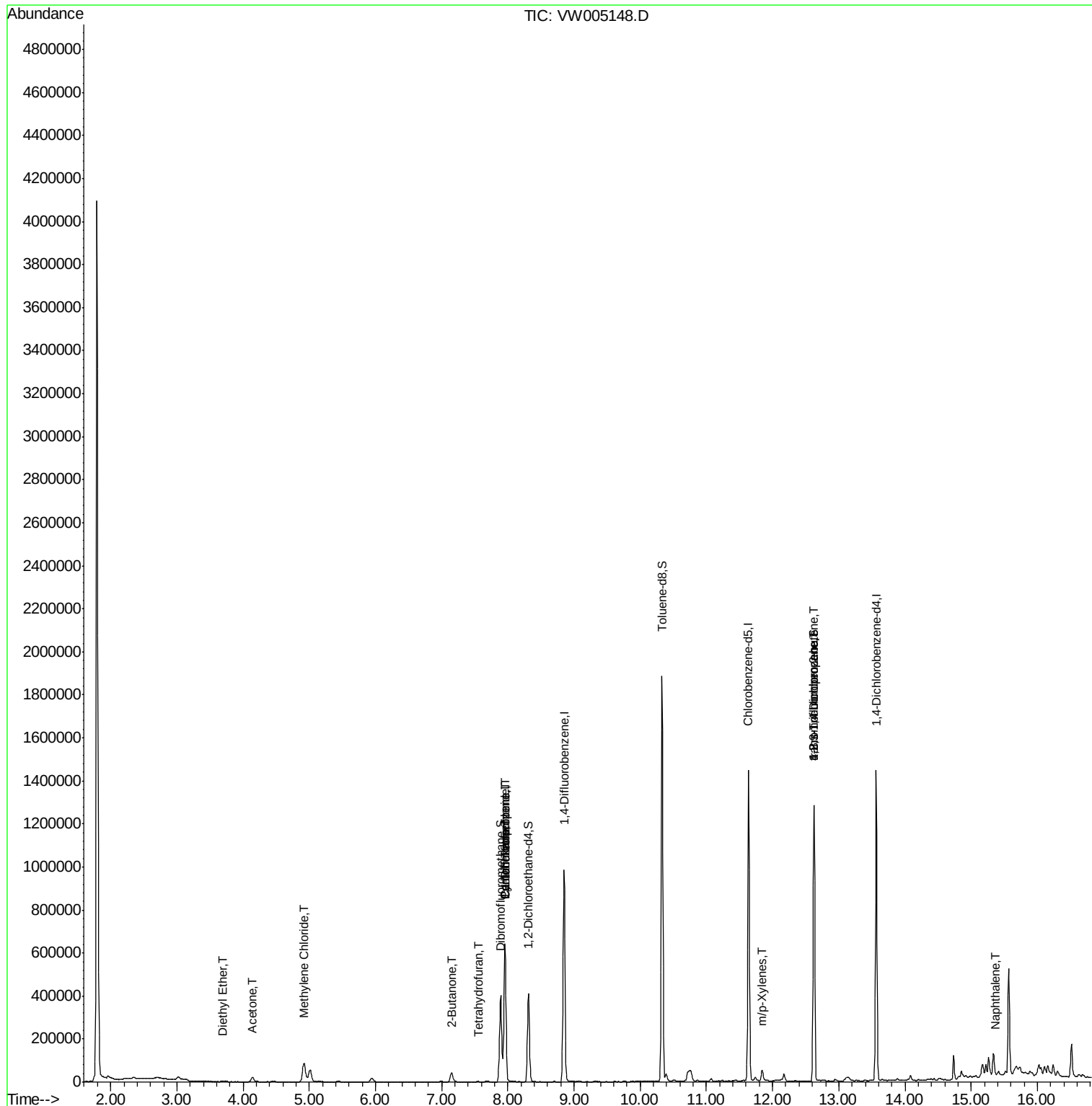
					Qvalue	
5) Bromomethane	2.77	94	549	Below Cal		88
8) Diethyl Ether	3.70	74	2417	1.003 ug/l		88
11) Tert butyl alcohol	5.20	59	1409	Below Cal	#	82
16) Acetone	4.14	43	36119	41.718 ug/l		89
20) Methylene Chloride	4.92	84	72487	9.218 ug/l		96
25) 2-Butanone	7.15	43	2429	1.618 ug/l		99
29) Tetrahydrofuran	7.55	42	1334	1.739 ug/l	#	85
31) Cyclohexane	7.95	56	9409	1.110 ug/l	#	1
36) 1,1-Dichloropropene	7.96	75	36507	4.517 ug/l	#	47
38) Carbon Tetrachloride	7.95	117	47442	6.174 ug/l	#	16
68) m/p-Xylenes	11.84	106	15484	1.202 ug/l		97
76) 1,2,3-Trichloropropane	12.62	75	204052	68.623 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	204052	165.167 ug/l	#	15
95) Naphthalene	15.38	128	4157	4.247 ug/l	#	90

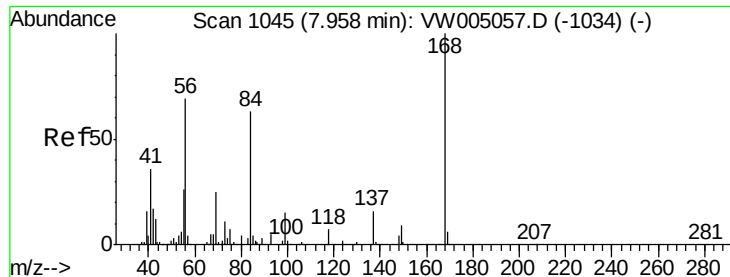
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

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Acq: 05 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

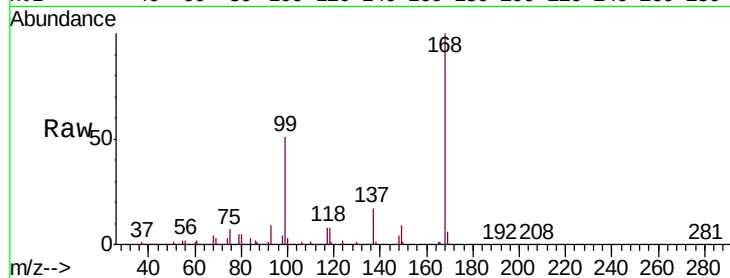
SB-14RE

Tgt Ion:168 Resp: 520790

Ion Ratio Lower Upper

168 100

99 51.4 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

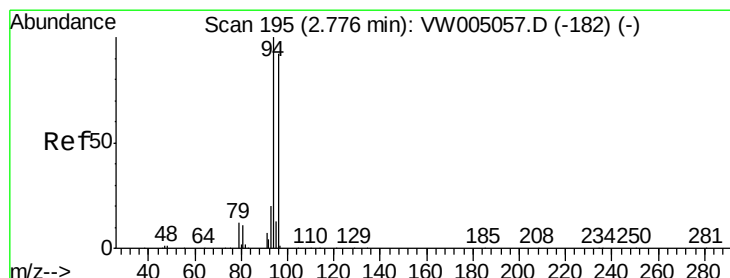
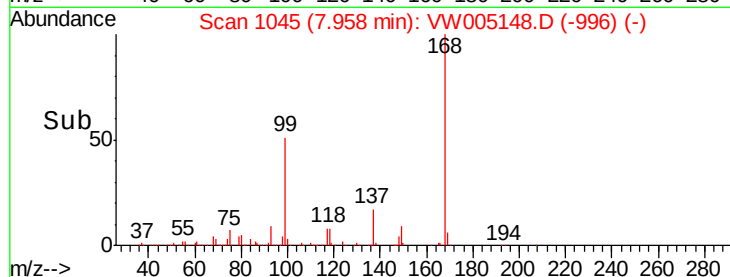
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW005148.D

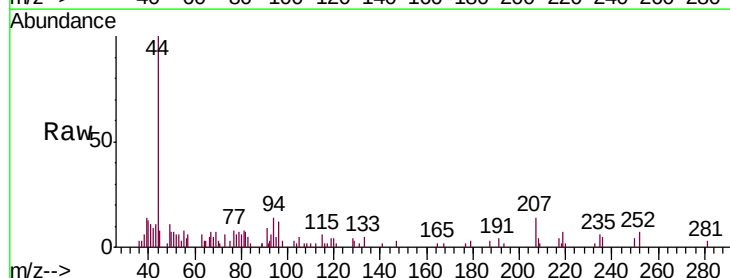
Acq: 05 Sep 2018 23:26

Tgt Ion: 94 Resp: 549

Ion Ratio Lower Upper

94 100

96 80.1 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

500

400

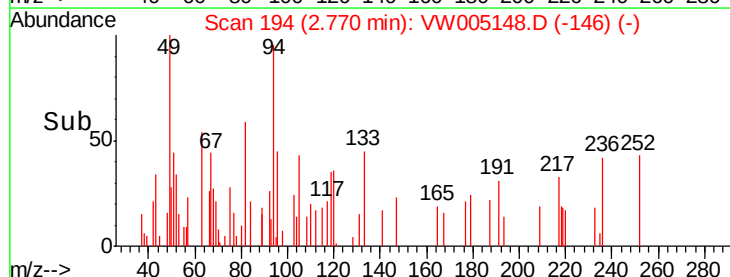
300

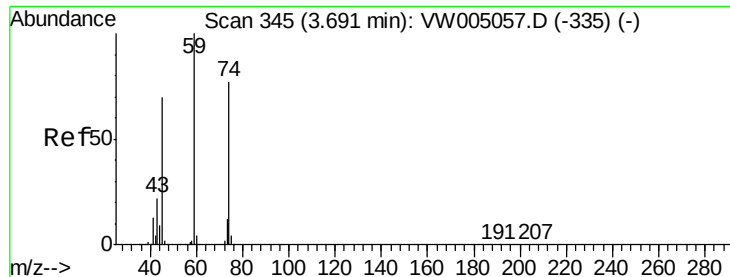
200

100

0

Time--> 2.70 2.75 2.80





#8

Diethyl Ether

Concen: 1.003 ug/l

RT: 3.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VW005148.D

Acq: 05 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

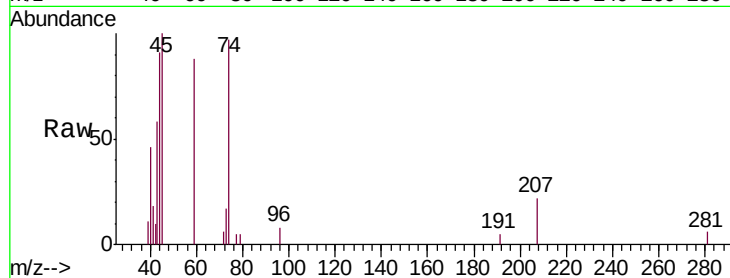
SB-14RE

Tgt Ion: 74 Resp: 2417

Ion Ratio Lower Upper

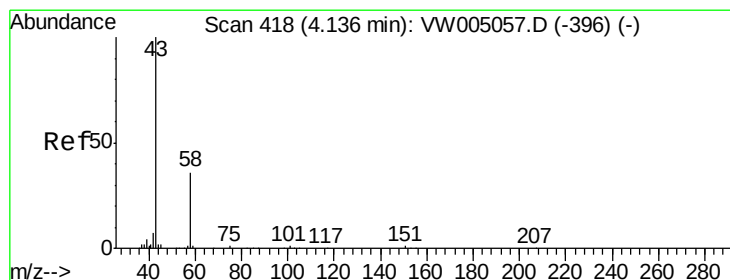
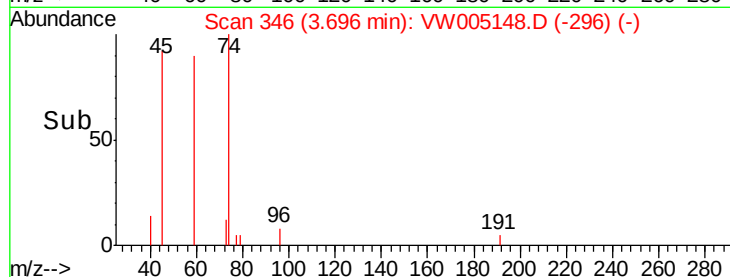
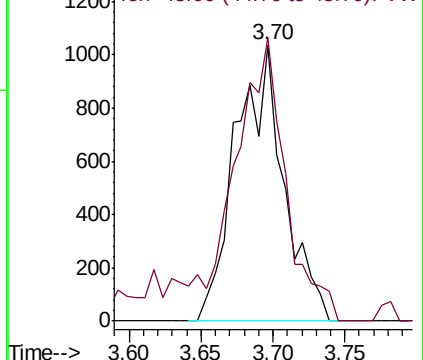
74 100

45 103.0 46.0 137.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#16

Acetone

Concen: 41.718 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW005148.D

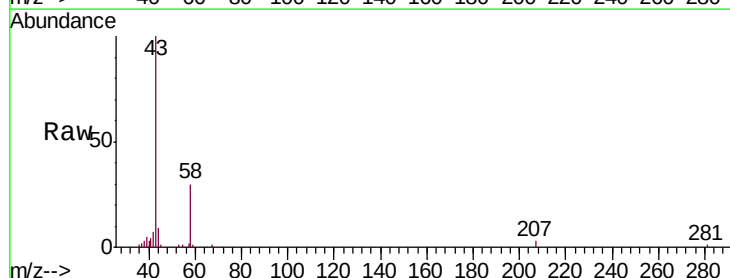
Acq: 05 Sep 2018 23:26

Tgt Ion: 43 Resp: 36119

Ion Ratio Lower Upper

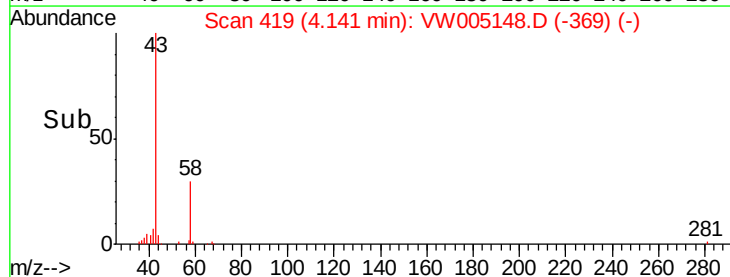
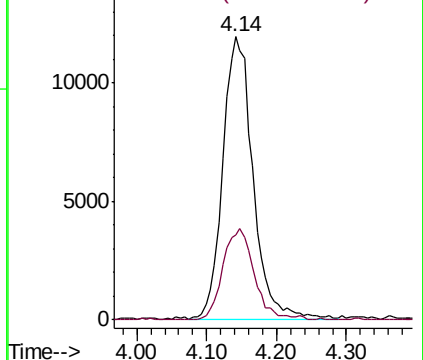
43 100

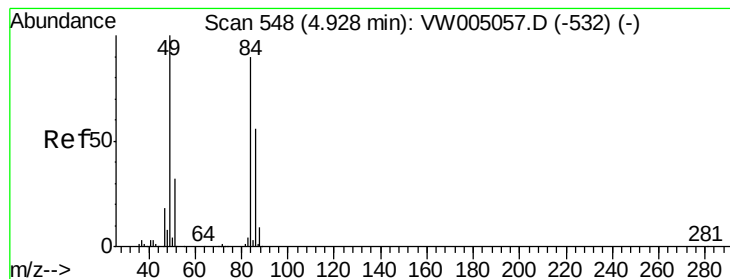
58 30.1 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 9.218 ug/l

RT: 4.92 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW005148.D

Acq: 05 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

SB-14RE

Tgt Ion: 84 Resp: 72487

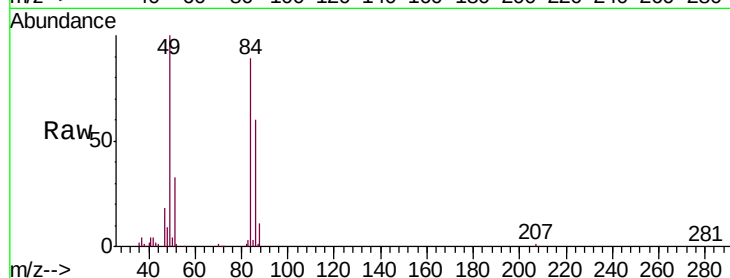
Ion Ratio Lower Upper

84 100

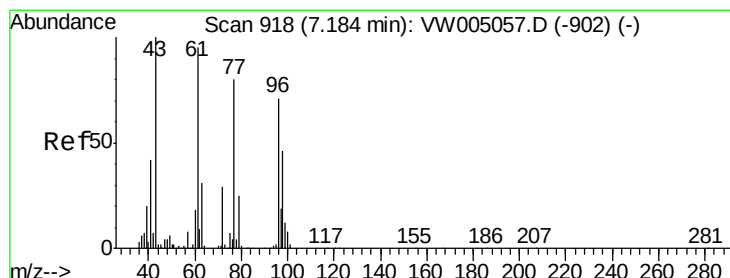
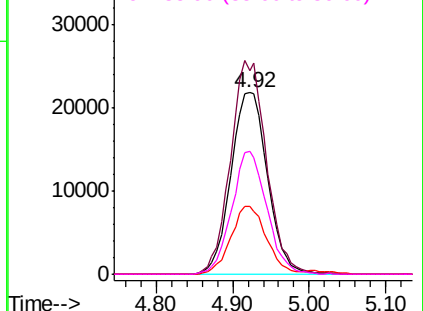
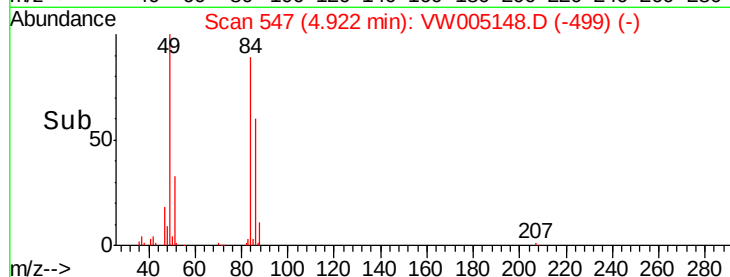
49 112.7 88.7 133.1

51 37.5 28.6 42.8

86 67.8 49.4 74.2



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: 1.618 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW005148.D

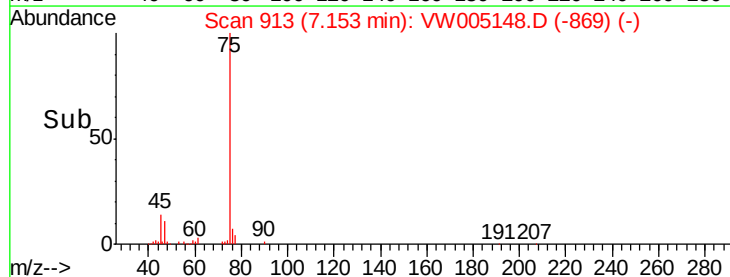
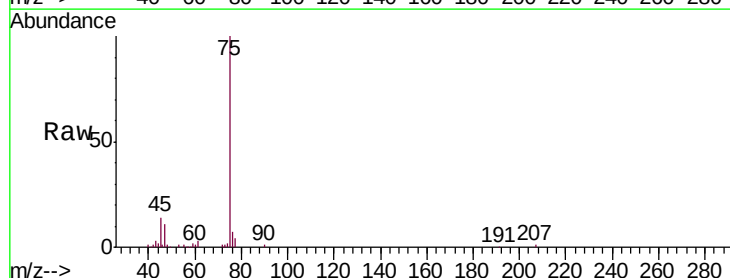
Acq: 05 Sep 2018 23:26

Tgt Ion: 43 Resp: 2429

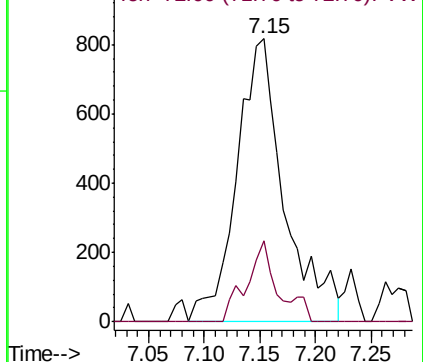
Ion Ratio Lower Upper

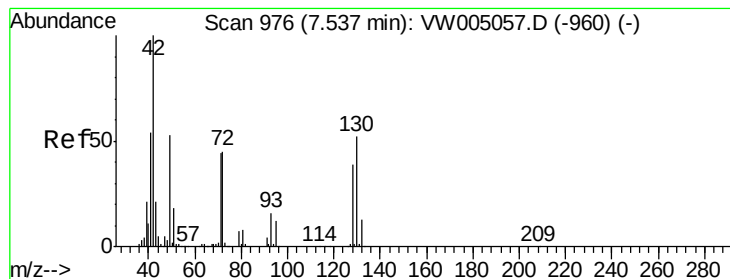
43 100

72 28.5 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.739 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW005148.D

Acq: 05 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

SB-14RE

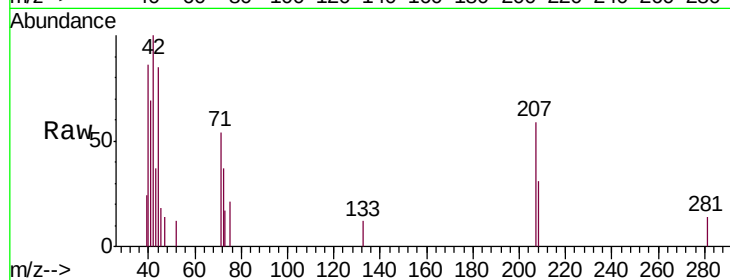
Tgt Ion: 42 Resp: 1334

Ion Ratio Lower Upper

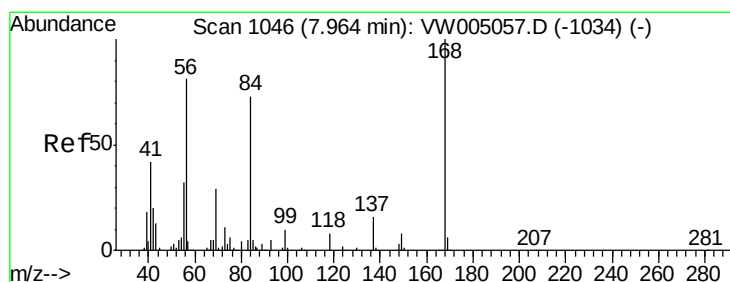
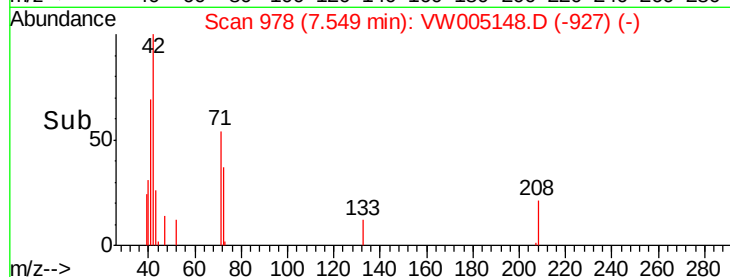
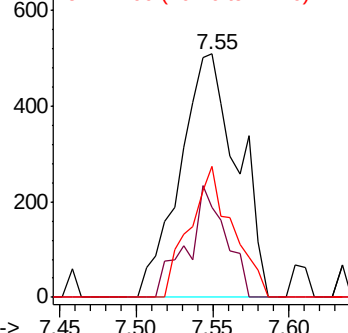
42 100

72 30.7 37.0 55.4#

71 40.2 35.0 52.6



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: 1.110 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005148.D

Acq: 05 Sep 2018 23:26

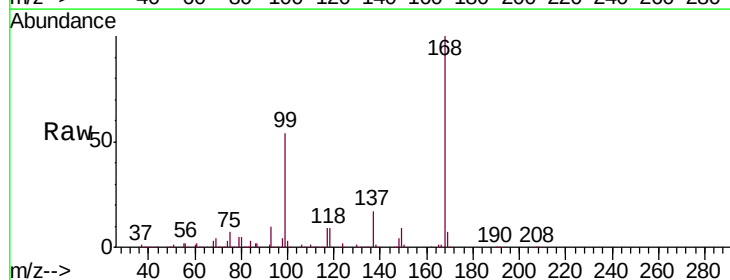
Tgt Ion: 56 Resp: 9409

Ion Ratio Lower Upper

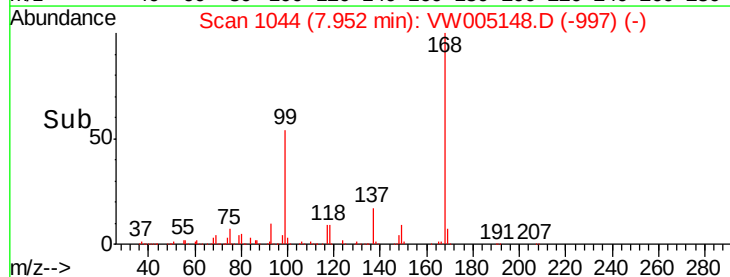
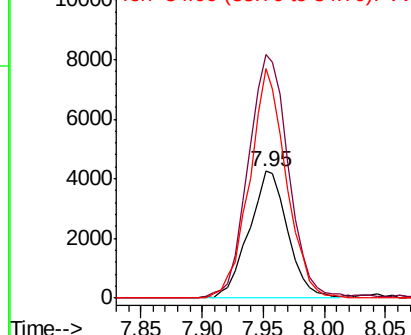
56 100

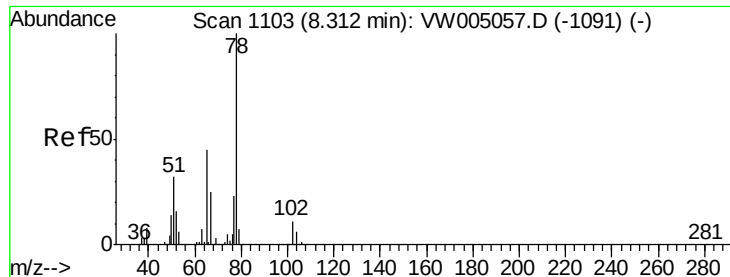
69 191.7 28.2 42.2#

84 180.6 71.8 107.8#



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

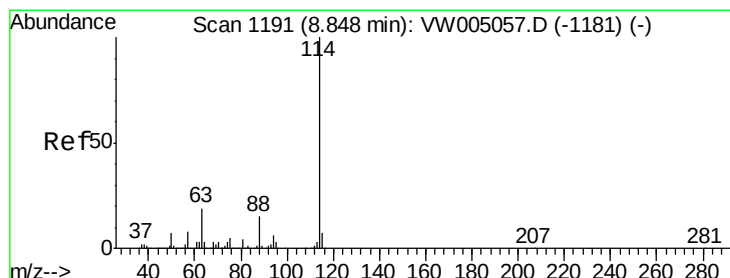
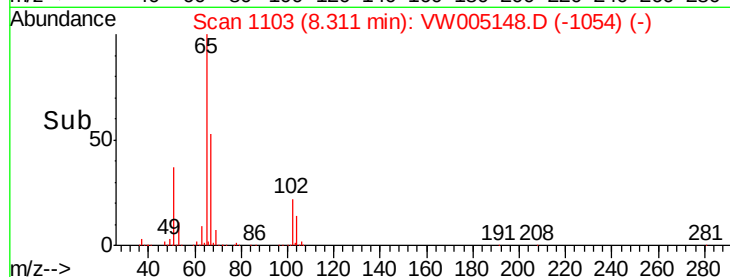
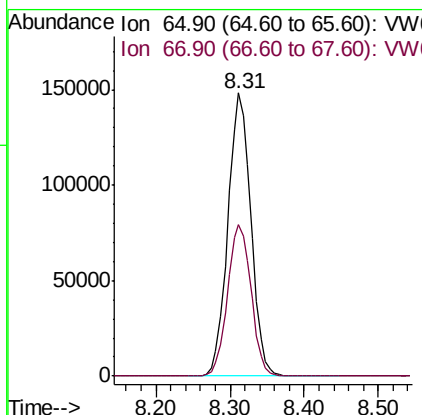
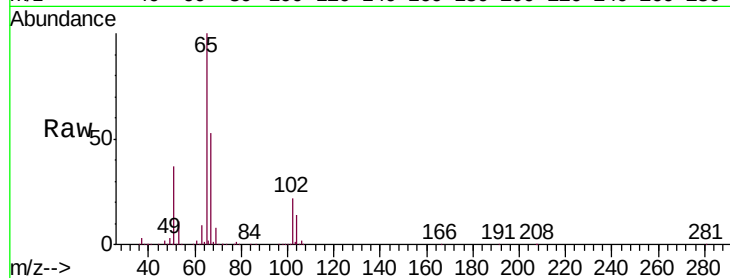




#33
 1,2-Dichloroethane-d4
 Concen: 74.071 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005148.D
 Acq: 05 Sep 2018 23:26

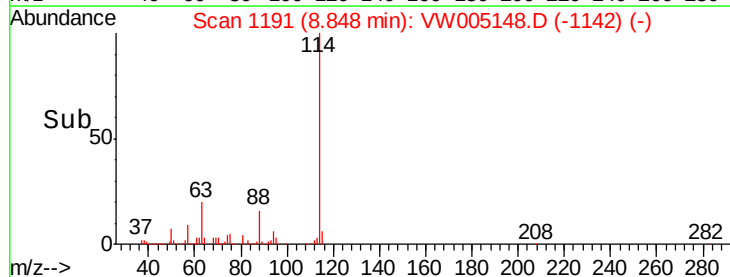
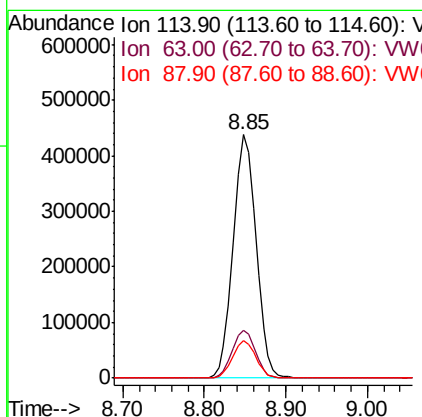
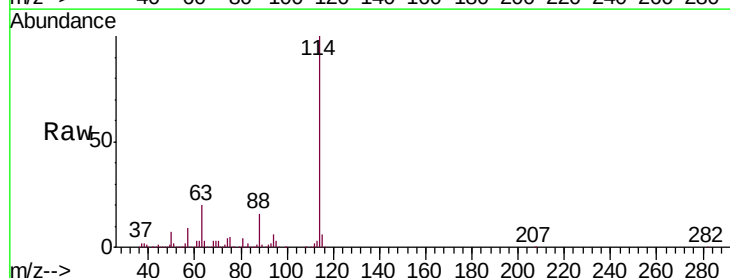
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-14RE

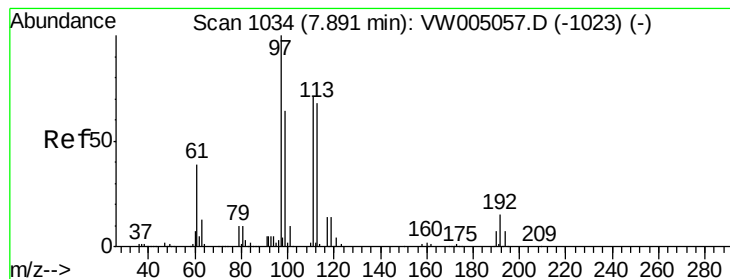
Tgt Ion: 65 Resp: 319771
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005148.D
 Acq: 05 Sep 2018 23:26

Tgt Ion: 114 Resp: 848604
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.0
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 59.161 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VW005148.D

Acq: 05 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

SB-14RE

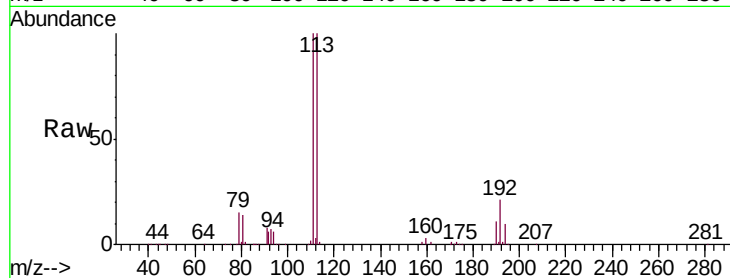
Tgt Ion: 113 Resp: 290125

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

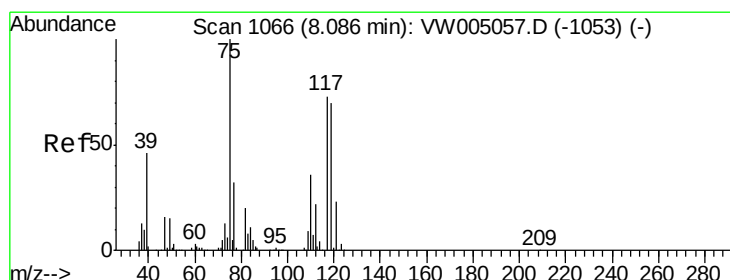
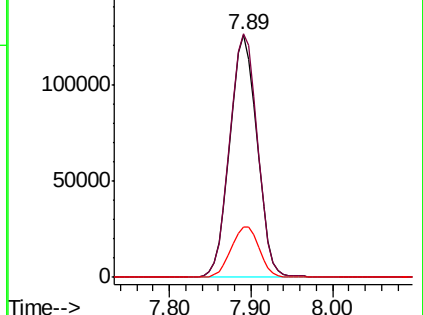
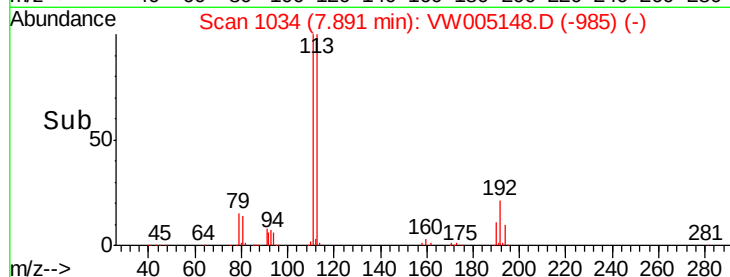
192 21.4 18.1 27.1



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: 4.517 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW005148.D

Acq: 05 Sep 2018 23:26

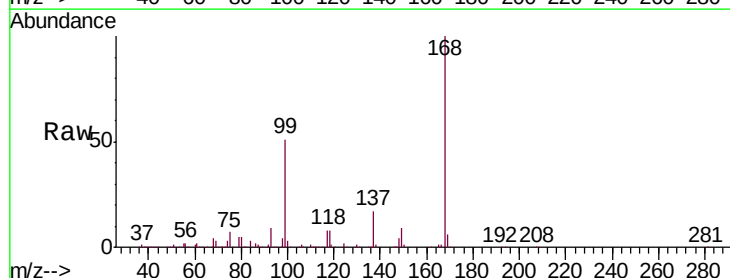
Tgt Ion: 75 Resp: 36507

Ion Ratio Lower Upper

75 100

110 8.1 18.9 56.7#

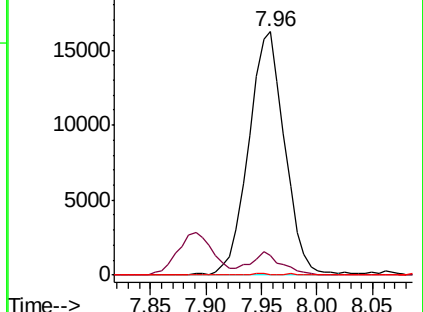
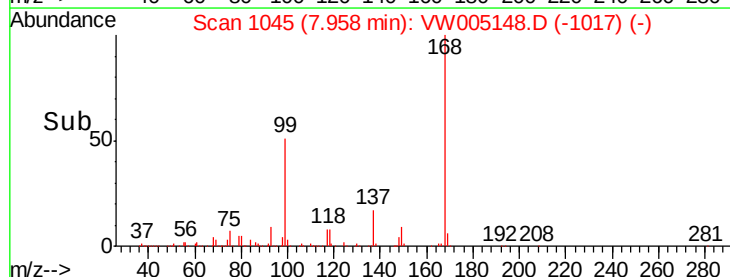
77 0.2 25.5 38.3#

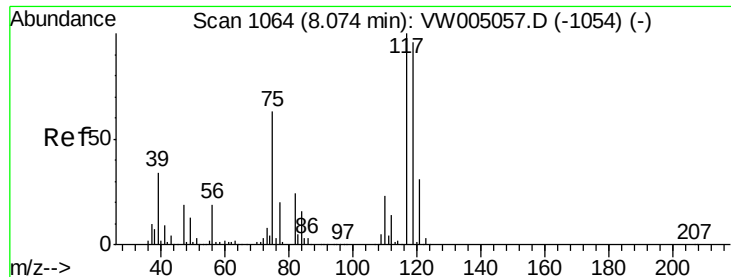


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.174 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW005148.D

Acq: 05 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampled :

SB-14RE

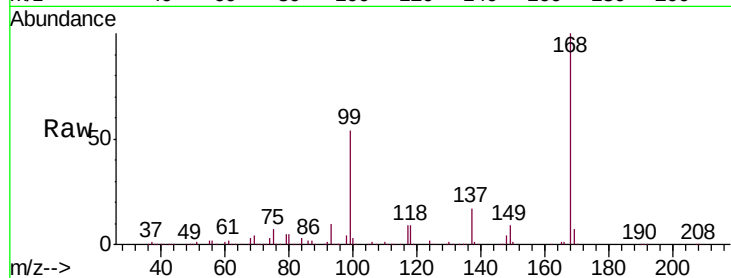
Tgt Ion:117 Resp: 47442

Ion Ratio Lower Upper

117 100

119 4.8 76.6 115.0#

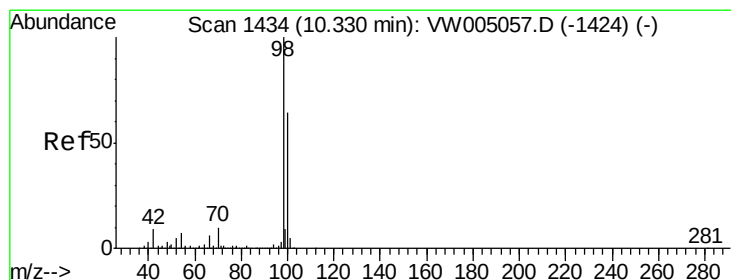
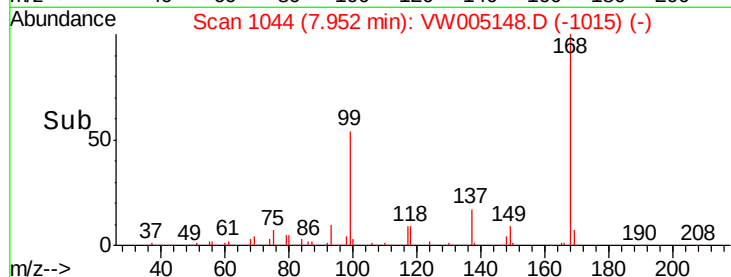
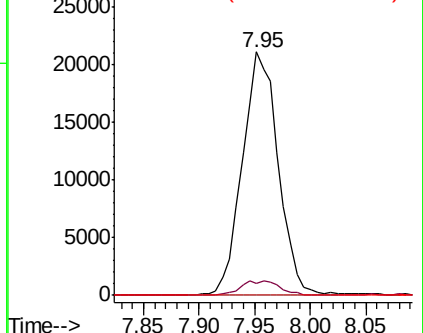
121 0.0 24.8 37.2#



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: 56.309 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005148.D

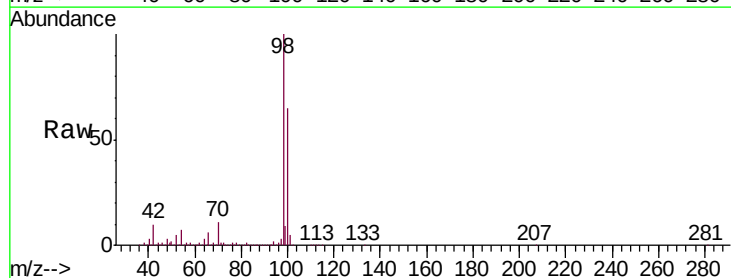
Acq: 05 Sep 2018 23:26

Tgt Ion: 98 Resp: 1272385

Ion Ratio Lower Upper

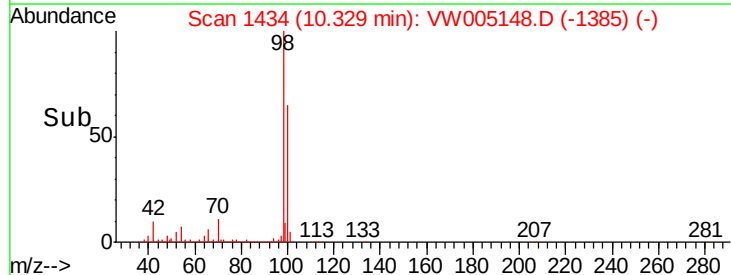
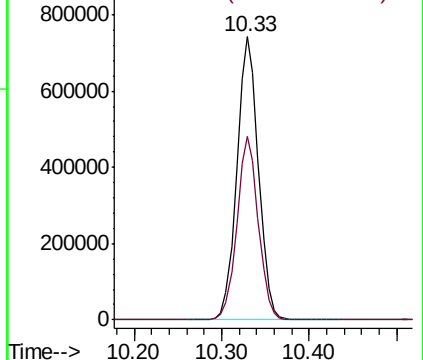
98 100

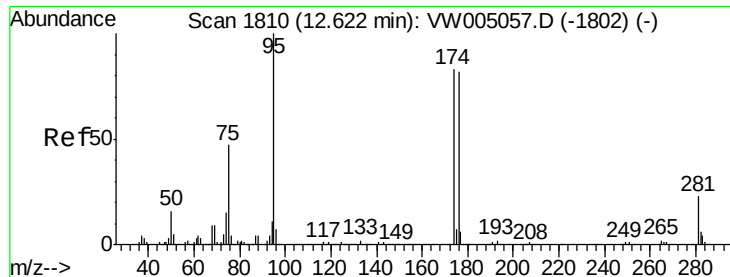
100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

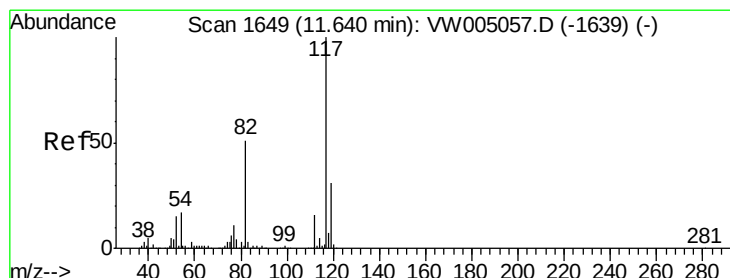
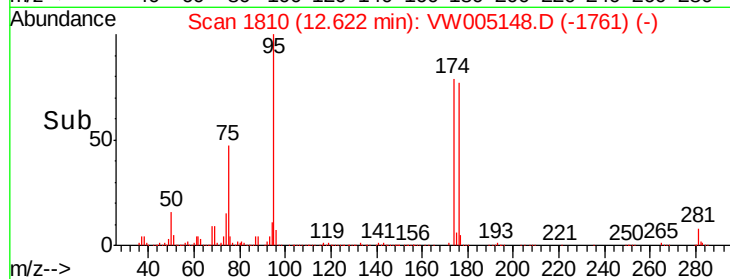
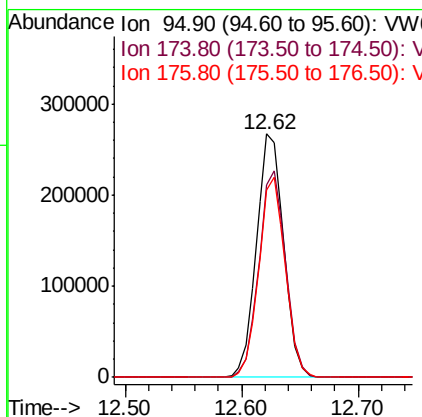
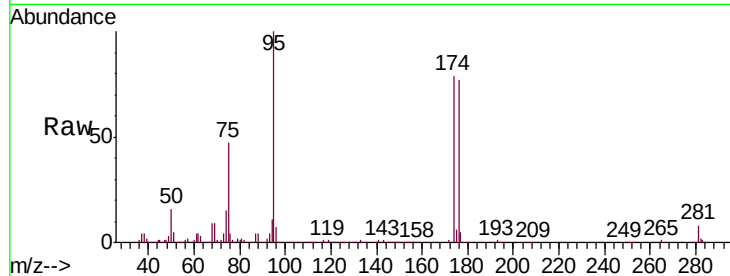




#62
4-Bromofluorobenzene
Concen: 54.585 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW005148.D
Acq: 05 Sep 2018 23:26

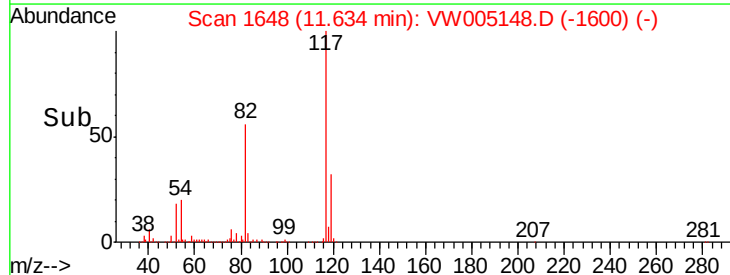
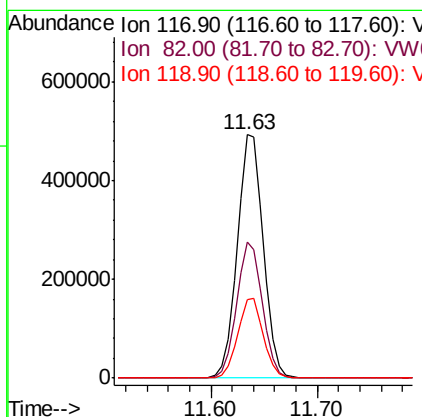
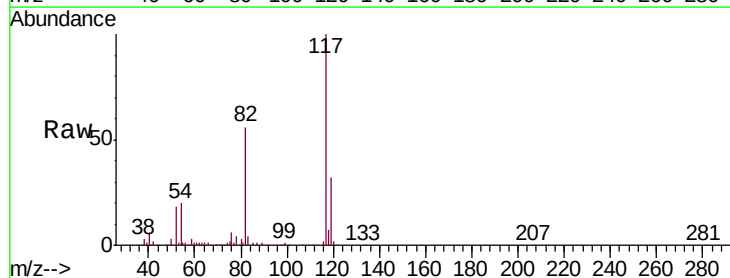
Instrument :
MSVOA_W
ClientSampleId :
SB-14RE

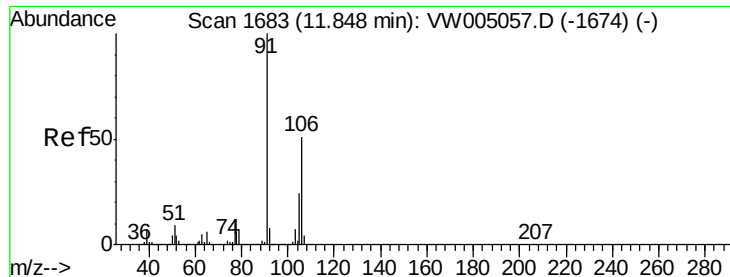
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	173.4
176	80.4	0.0	167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005148.D
Acq: 05 Sep 2018 23:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.1	40.9	61.3
119	32.4	24.9	37.3





#68

m/p-Xylenes

Concen: 1.202 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW005148.D

Acq: 05 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

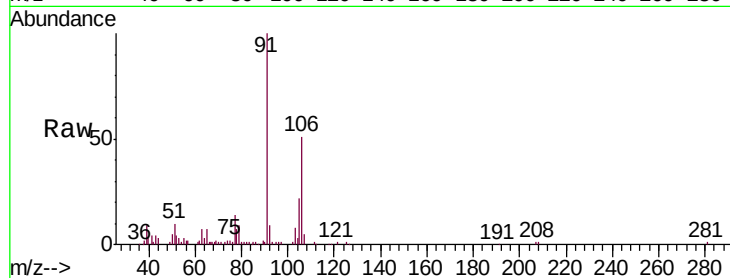
SB-14RE

Tgt Ion:106 Resp: 15484

Ion Ratio Lower Upper

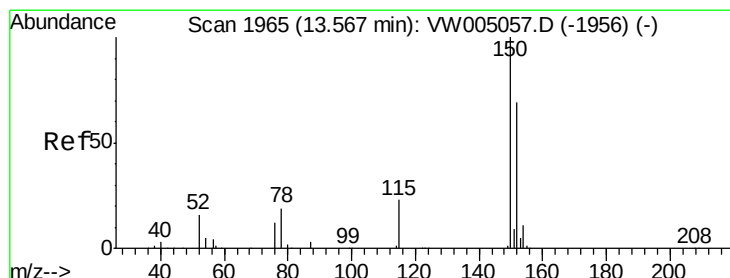
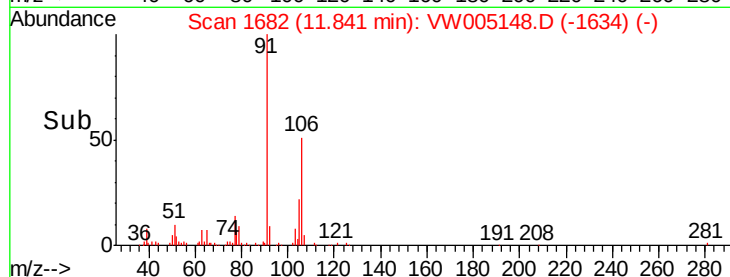
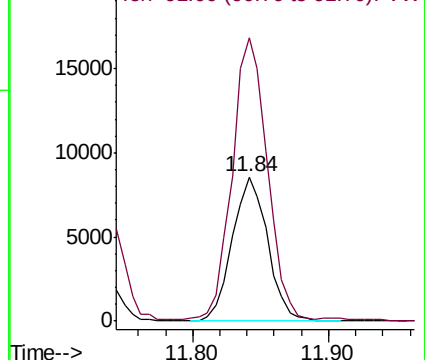
106 100

91 192.9 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW005148.D

Acq: 05 Sep 2018 23:26

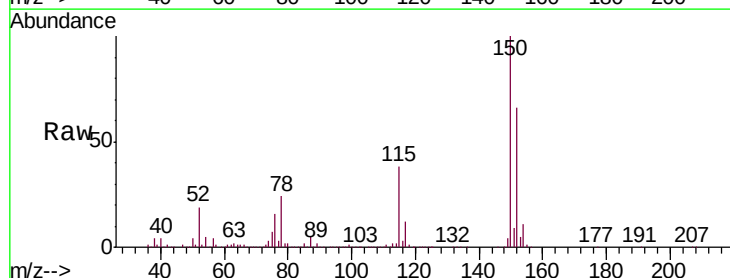
Tgt Ion:152 Resp: 396142

Ion Ratio Lower Upper

152 100

115 57.0 27.8 83.4

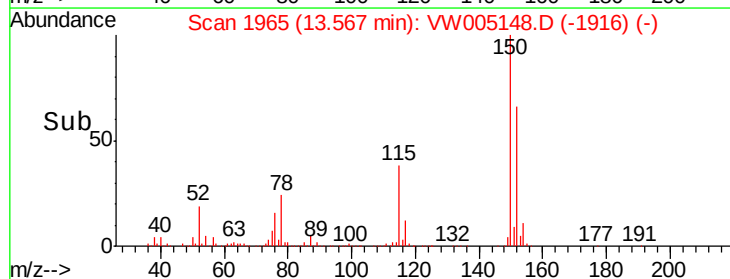
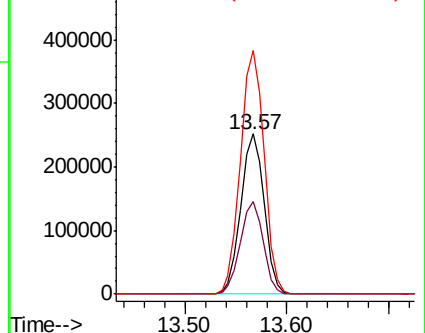
150 154.6 0.0 351.4

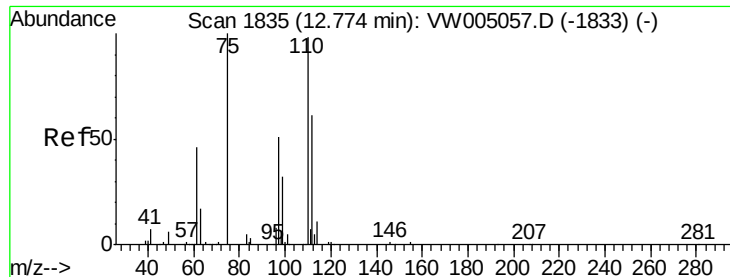


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

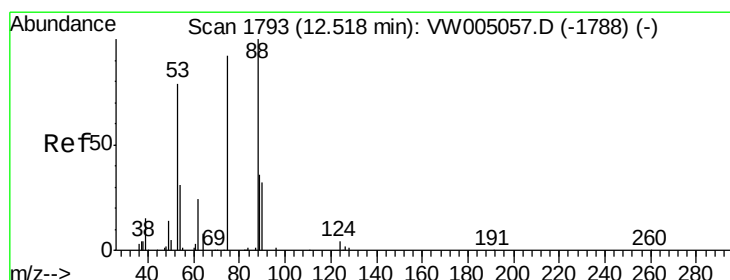
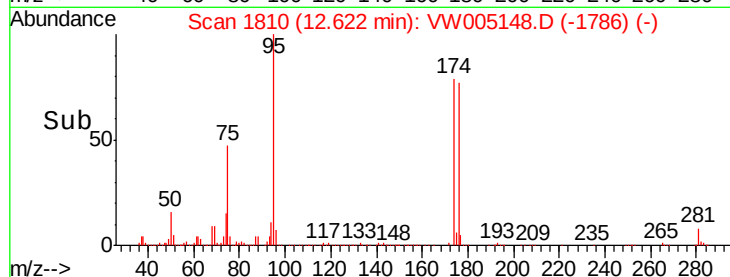
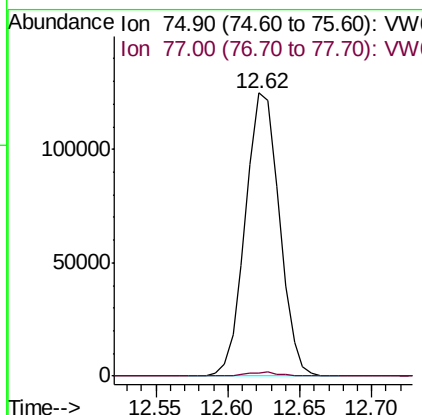
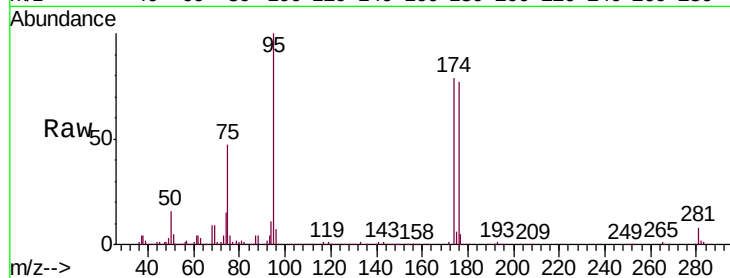




#76
 1,2,3-Trichloropropane
 Concen: 68.623 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW005148.D
 Acq: 05 Sep 2018 23:26

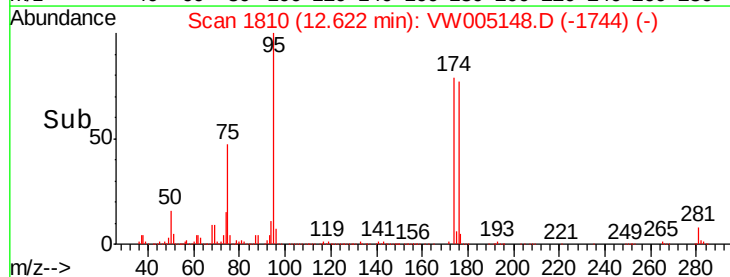
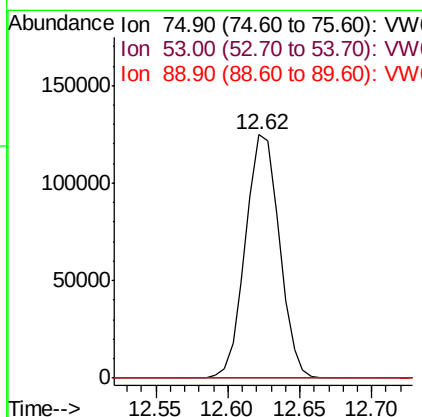
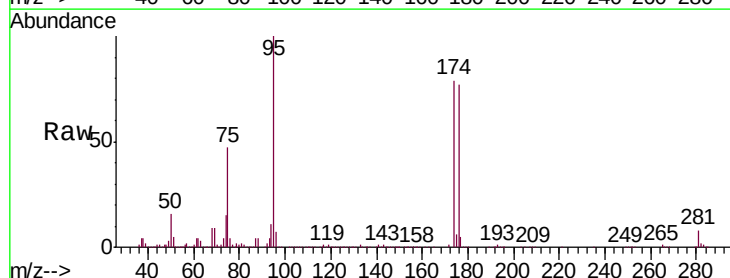
Instrument :
 MSVOA_W
 ClientSampled :
 SB-14RE

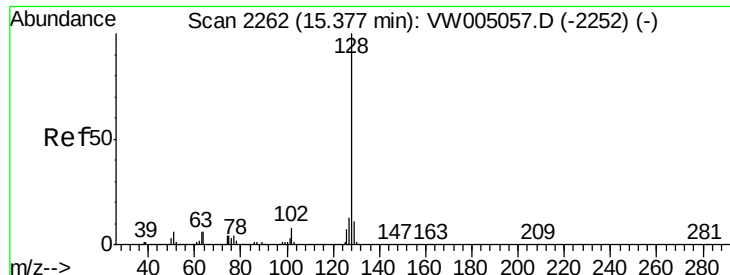
Tgt Ion: 75 Resp: 204052
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 165.167 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW005148.D
 Acq: 05 Sep 2018 23:26

Tgt Ion: 75 Resp: 204052
 Ion Ratio Lower Upper
 75 100
 53 0.3 69.8 104.8#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 4.247 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005148.D

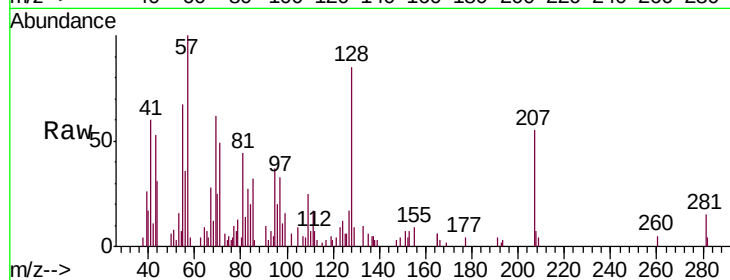
Acq: 05 Sep 2018 23:26

Instrument :

MSVOA_W

ClientSampleId :

SB-14RE



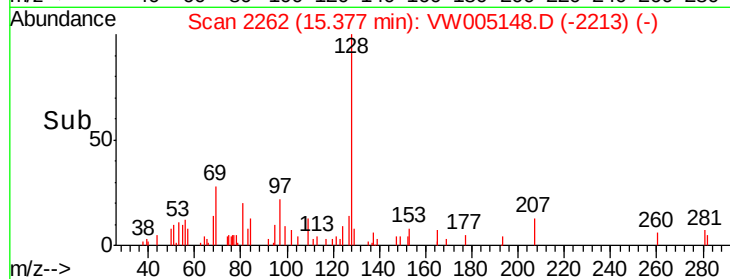
Tgt Ion:128 Resp: 4157

Ion Ratio Lower Upper

128 100

127 7.2 10.4 15.6#

129 12.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

