

Data File : VW005144.D
Acq On : 05 Sep 2018 21:43
Operator : SY/AP
Sample : J4712-11RE
Misc : 4.57G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DW-06RE

Quant Time: Sep 06 01:23:12 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	59101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	88046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	50900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	9189	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	37425	76.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.78%	
35) Dibromofluoromethane	7.89	113	32205	63.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.60%	
50) Toluene-d8	10.33	98	77897	33.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.46%	
62) 4-Bromofluorobenzene	12.62	95	14479	17.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.02%	

Target Compounds

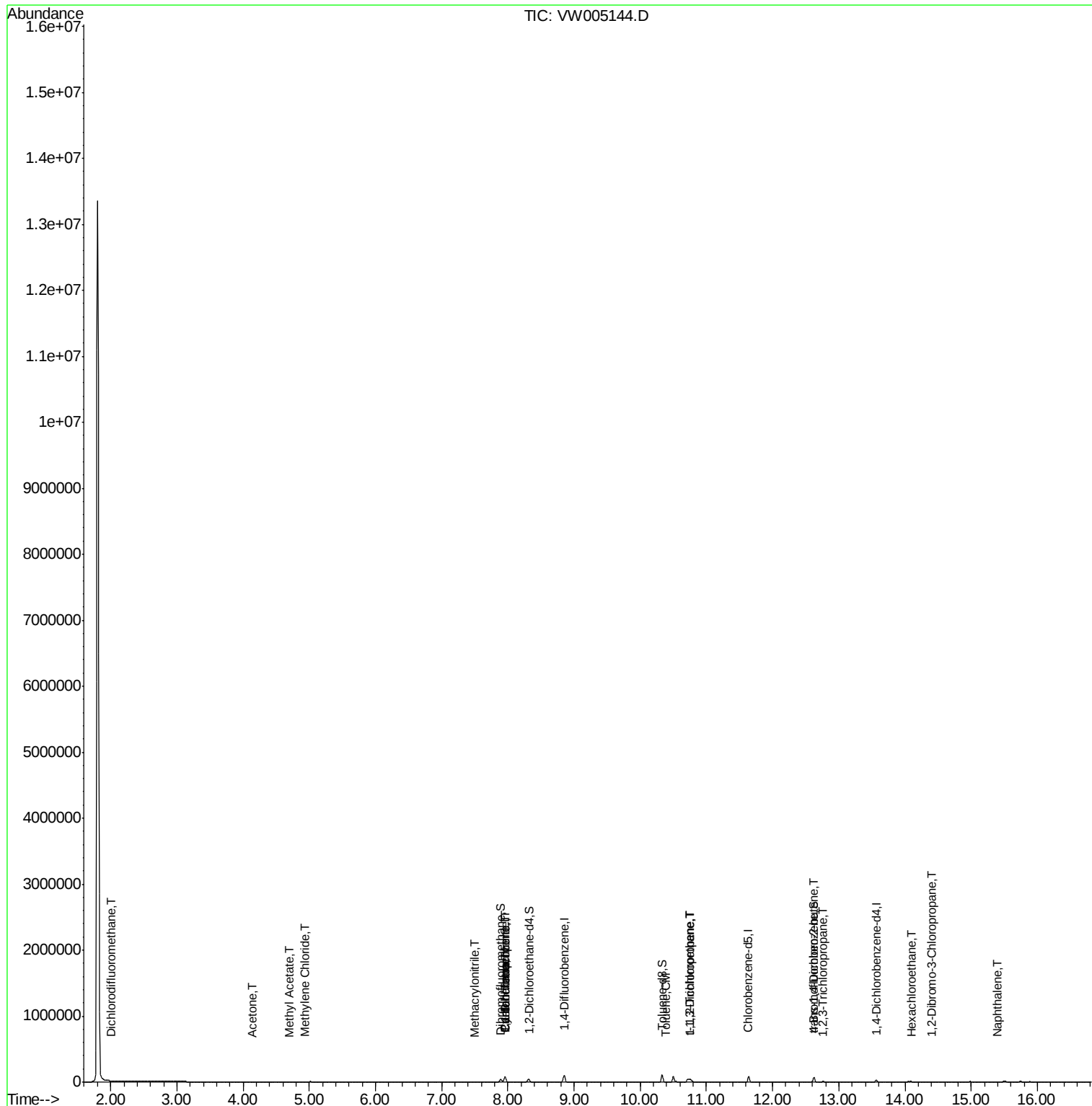
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	560	1.176	ug/l	98
5) Bromomethane	2.78	94	448	Below Cal		81
11) Tert butyl alcohol	5.17	59	93	Below Cal	#	72
16) Acetone	4.14	43	945	9.618	ug/l	94
18) Methyl Acetate	4.68	43	329	1.138	ug/l #	87
20) Methylene Chloride	4.93	84	3617	1.688	ug/l #	89
31) Cyclohexane	7.96	56	1295	1.346	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4201	5.010	ug/l #	43
38) Carbon Tetrachloride	7.96	117	5559	6.972	ug/l #	19
41) Methacrylonitrile	7.50	41	208	1.145	ug/l #	23
52) Toluene	10.40	92	2419	1.391	ug/l	85
53) t-1,3-Dichloropropene	10.74	75	810	1.092	ug/l #	38
55) 1,1,2-Trichloroethane	10.74	97	1077	2.320	ug/l #	16
76) 1,2,3-Trichloropropane	12.76	75	375	5.437	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	6850	239.032	ug/l #	15
90) Hexachloroethane	14.10	117	127	1.256	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.41	75	30	1.946	ug/l #	1
95) Naphthalene	15.39	128	432	5.180	ug/l #	69

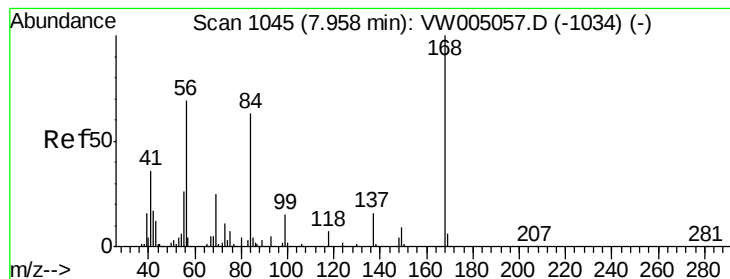
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005144.D

Acq: 05 Sep 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

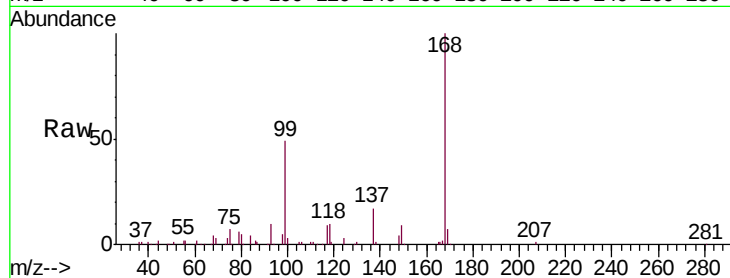
DW-06RE

Tgt Ion:168 Resp: 59101

Ion Ratio Lower Upper

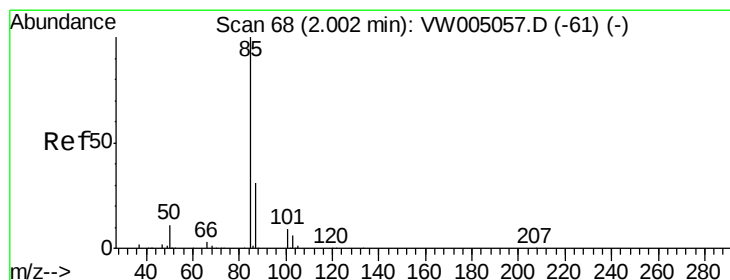
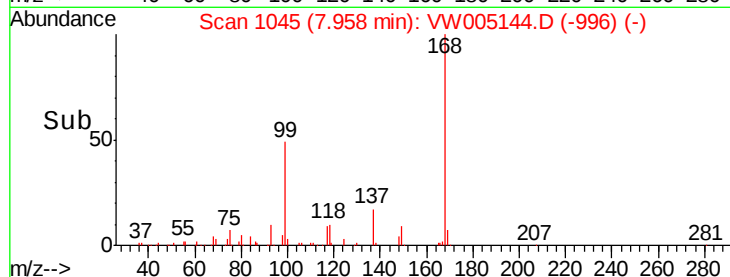
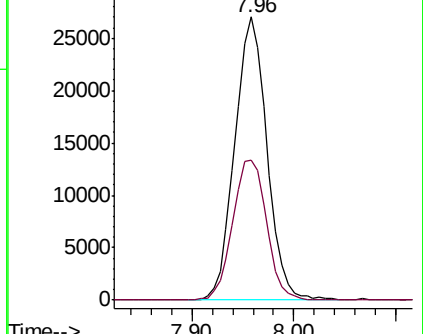
168 100

99 49.3 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1.176 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005144.D

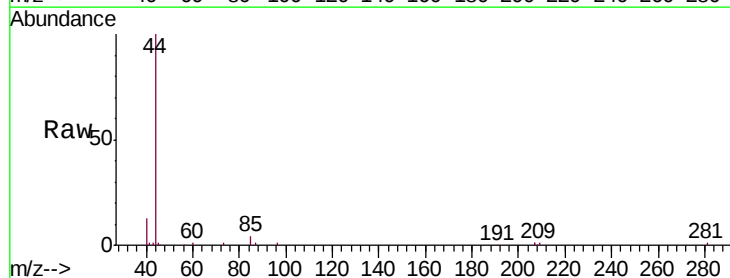
Acq: 05 Sep 2018 21:43

Tgt Ion: 85 Resp: 560

Ion Ratio Lower Upper

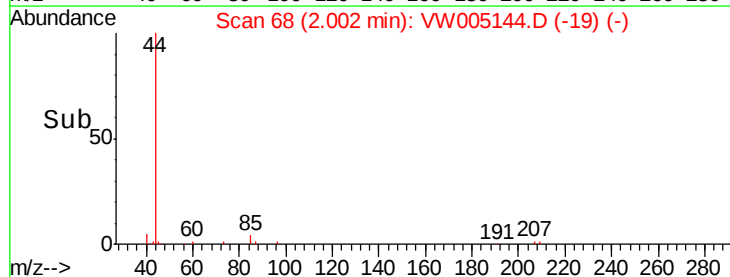
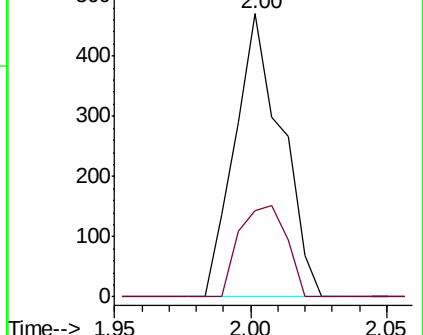
85 100

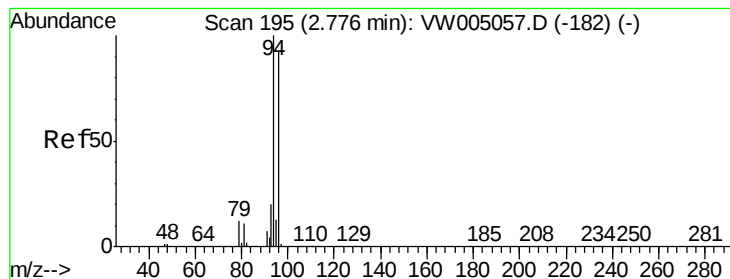
87 30.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW005144.D

Acq: 05 Sep 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

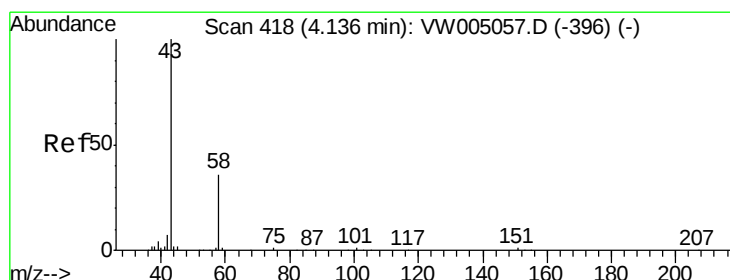
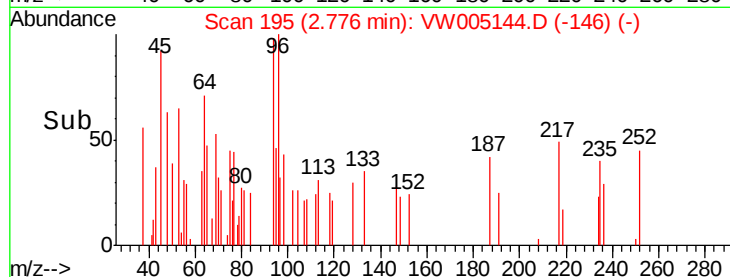
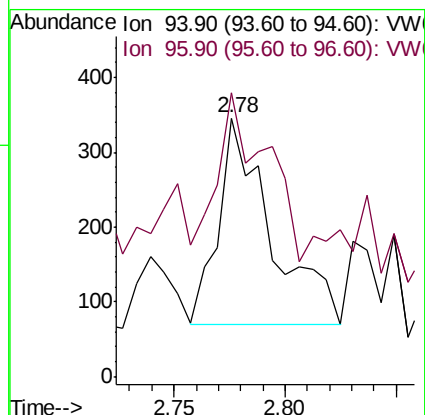
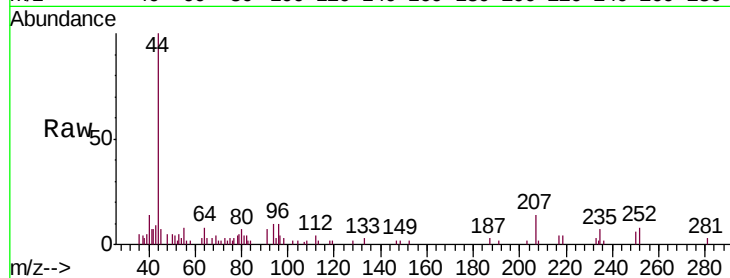
DW-06RE

Tgt Ion: 94 Resp: 448

Ion Ratio Lower Upper

94 100

96 73.6 73.2 109.8



#16

Acetone

Concen: 9.618 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW005144.D

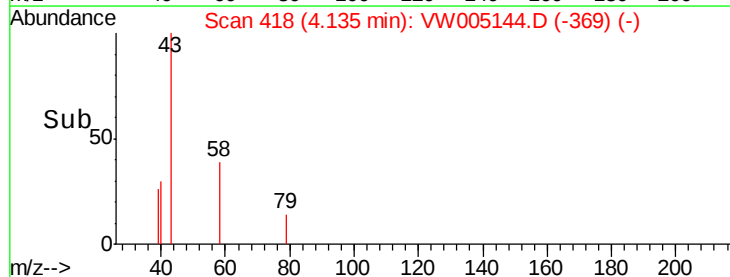
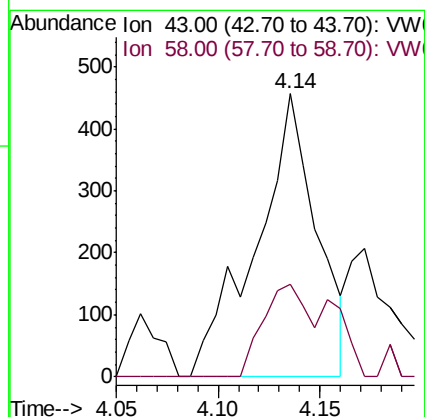
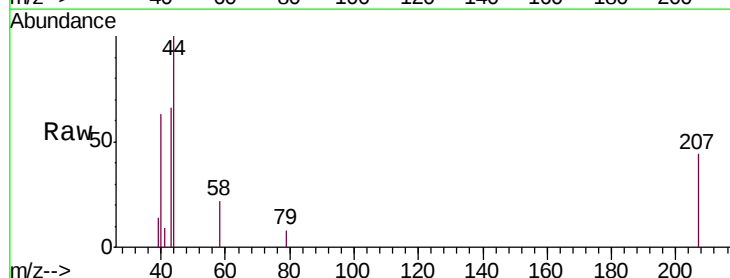
Acq: 05 Sep 2018 21:43

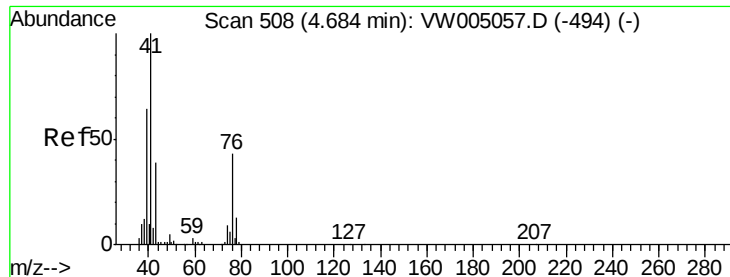
Tgt Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

58 32.6 29.0 43.6

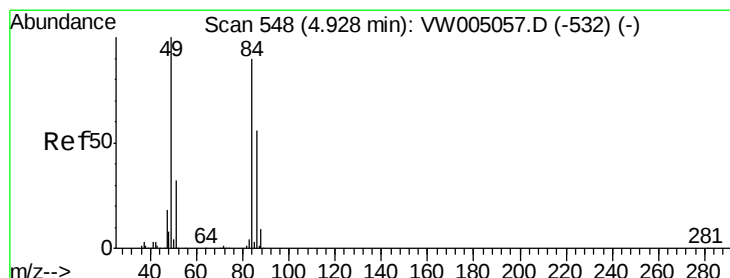
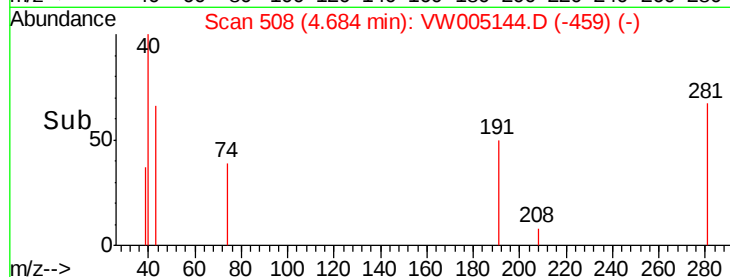
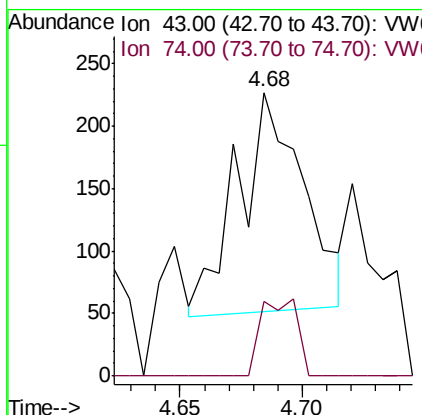
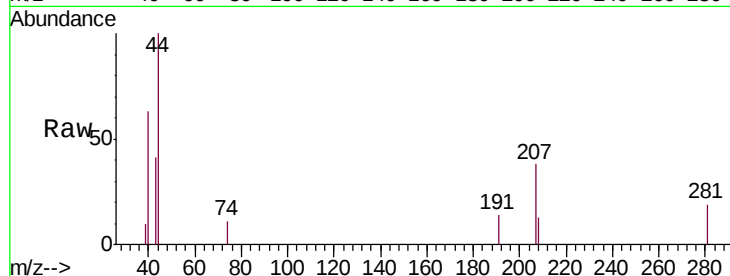




#18
Methyl Acetate
Concen: 1.138 ug/l
RT: 4.68 min Scan# 508
Delta R.T. -0.00 min
Lab File: VW005144.D
Acq: 05 Sep 2018 21:43

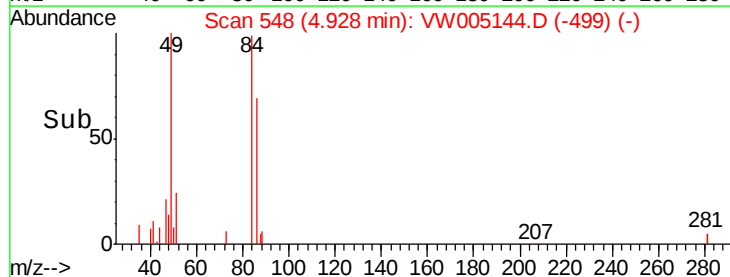
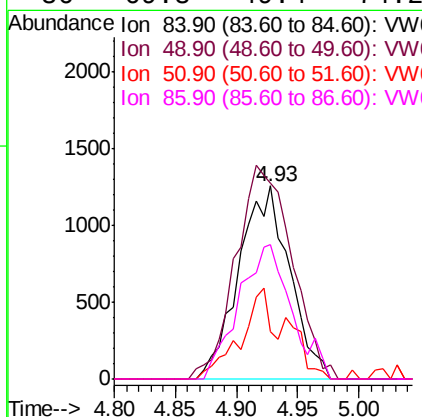
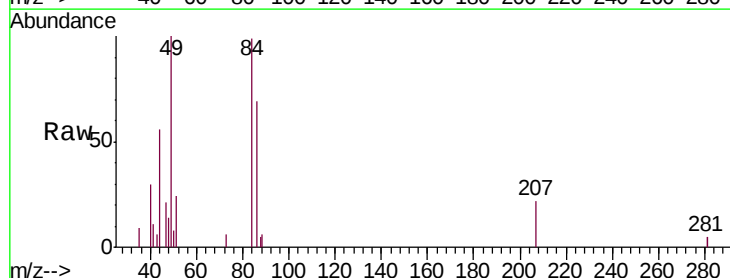
Instrument :
MSVOA_W
ClientSampleId :
DW-06RE

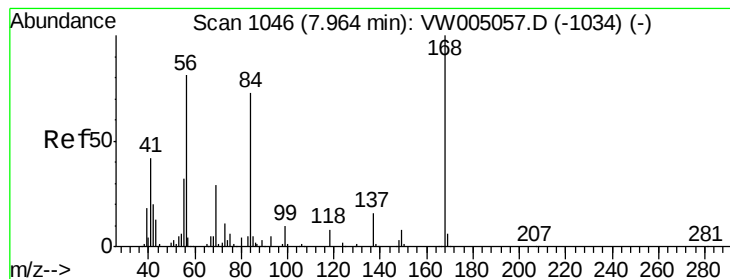
Tgt Ion: 43 Resp: 329
Ion Ratio Lower Upper
43 100
74 19.5 20.7 31.1#



#20
Methylene Chloride
Concen: 1.688 ug/l
RT: 4.93 min Scan# 548
Delta R.T. -0.00 min
Lab File: VW005144.D
Acq: 05 Sep 2018 21:43

Tgt Ion: 84 Resp: 3617
Ion Ratio Lower Upper
84 100
49 101.5 88.7 133.1
51 24.7 28.6 42.8#
86 69.8 49.4 74.2





#31

Cyclohexane

Concen: 1.346 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VW005144.D

Acq: 05 Sep 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

DW-06RE

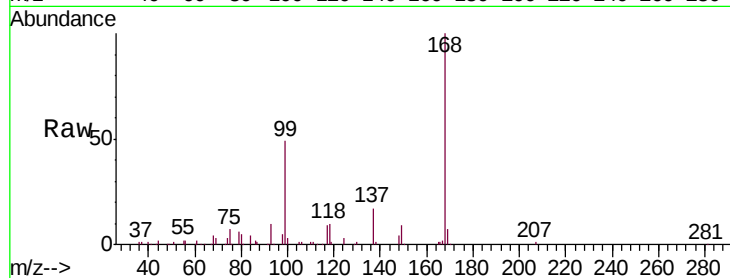
Tgt Ion: 56 Resp: 1295

Ion Ratio Lower Upper

56 100

69 138.2 28.2 42.2#

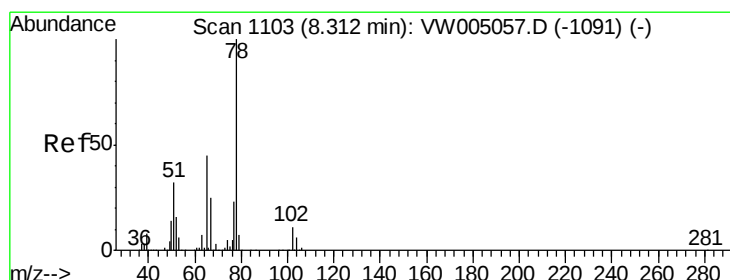
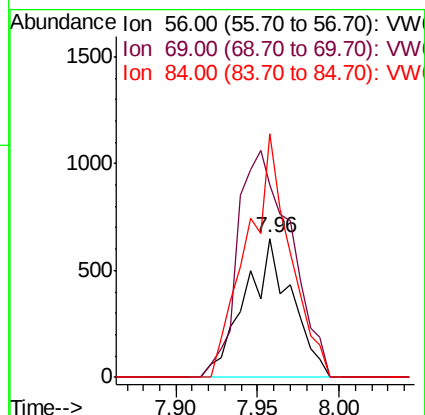
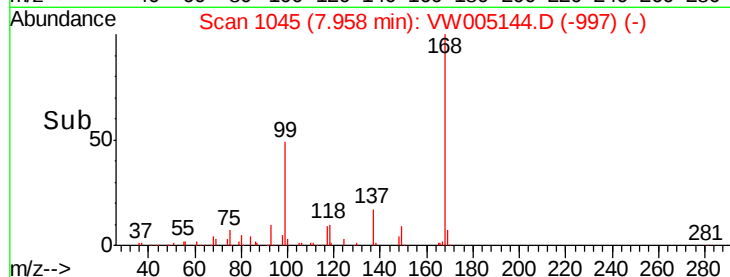
84 175.0 71.8 107.8#



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: 76.390 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005144.D

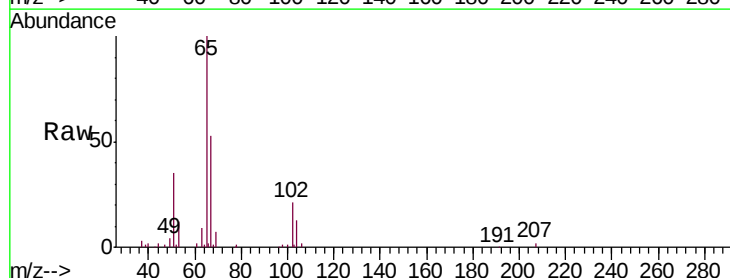
Acq: 05 Sep 2018 21:43

Tgt Ion: 65 Resp: 37425

Ion Ratio Lower Upper

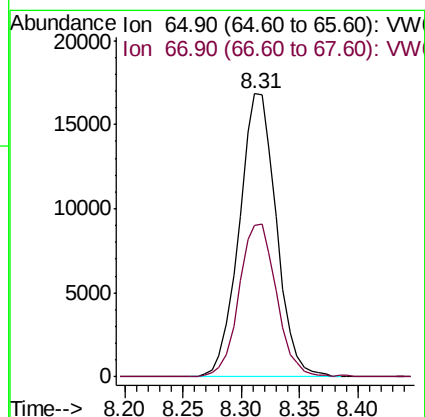
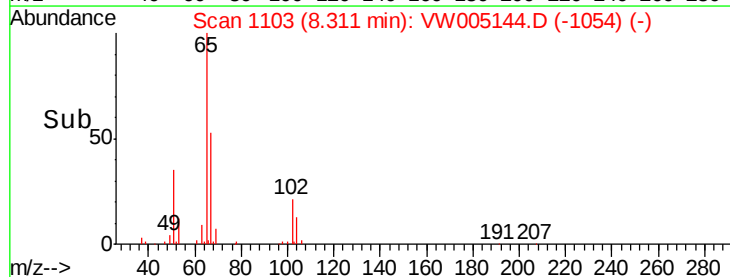
65 100

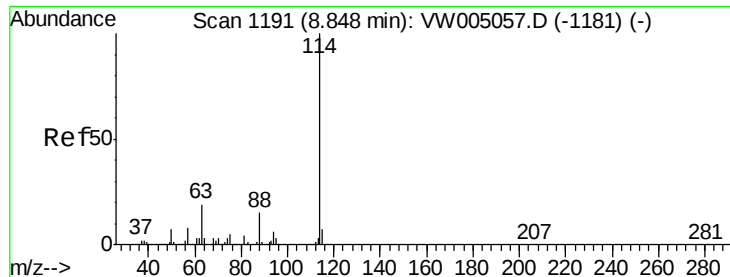
67 54.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

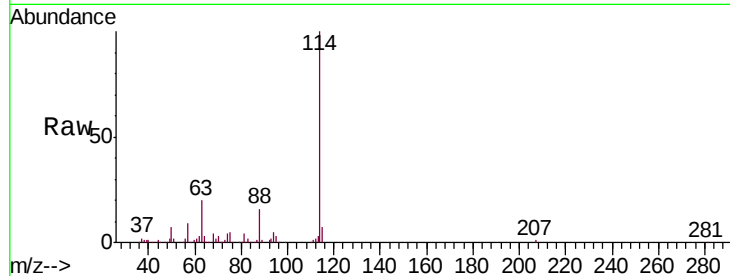




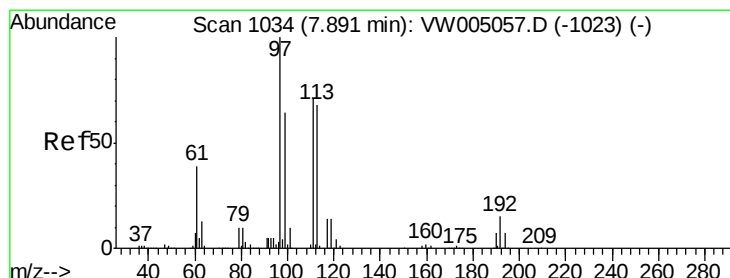
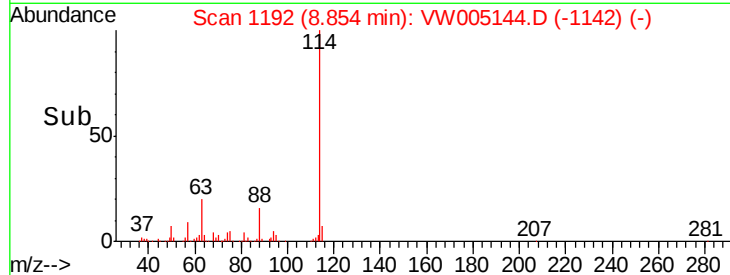
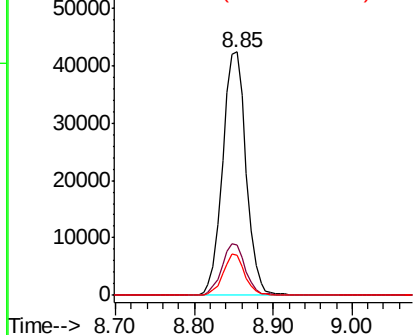
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VW005144.D
 Acq: 05 Sep 2018 21:43

Instrument :
 MSVOA_W
 ClientSampleId :
 DW-06RE

Tgt Ion:114 Resp: 88046
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.0
 88 16.3 0.0 30.2

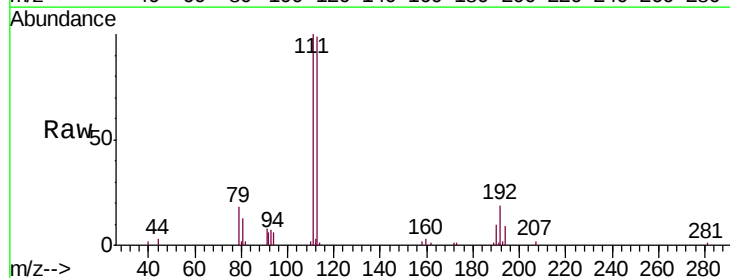


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

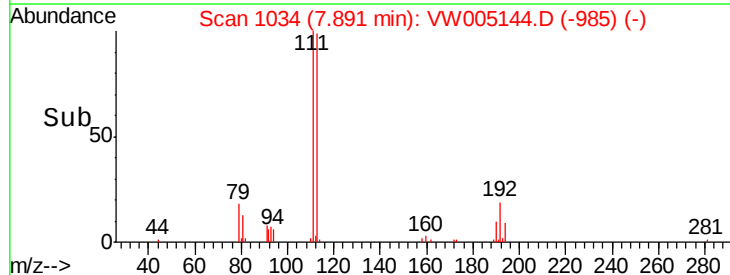
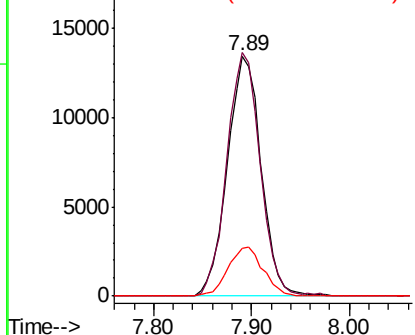


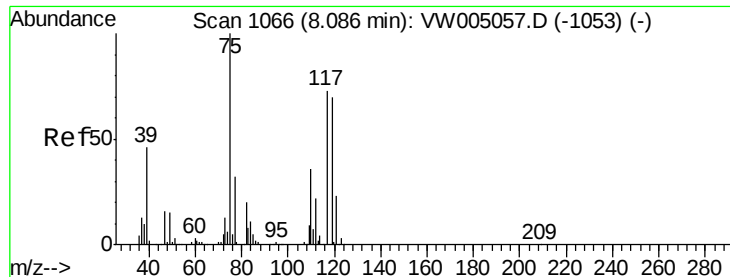
#35
 Dibromofluoromethane
 Concen: 63.295 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005144.D
 Acq: 05 Sep 2018 21:43

Tgt Ion:113 Resp: 32205
 Ion Ratio Lower Upper
 113 100
 111 100.2 82.2 123.2
 192 21.1 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

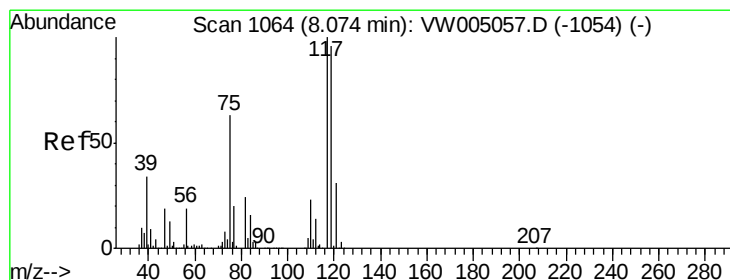
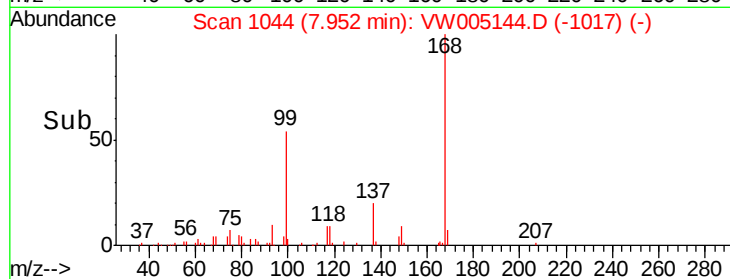
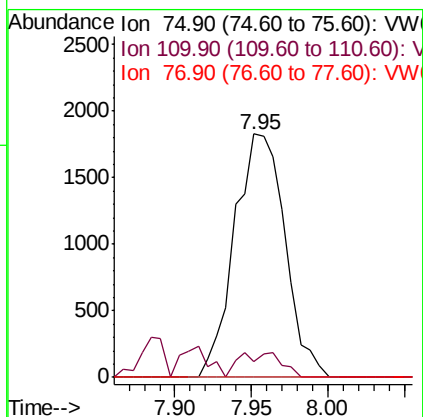
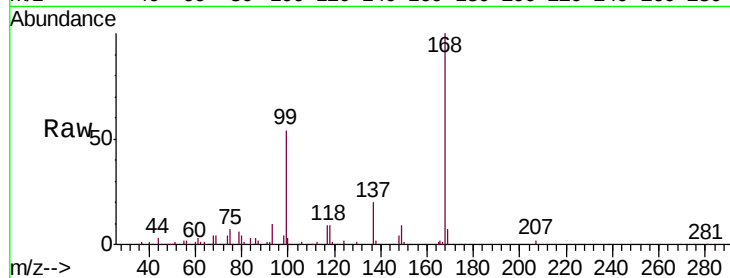




#36
 1,1-Dichloropropene
 Concen: 5.010 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW005144.D
 Acq: 05 Sep 2018 21:43

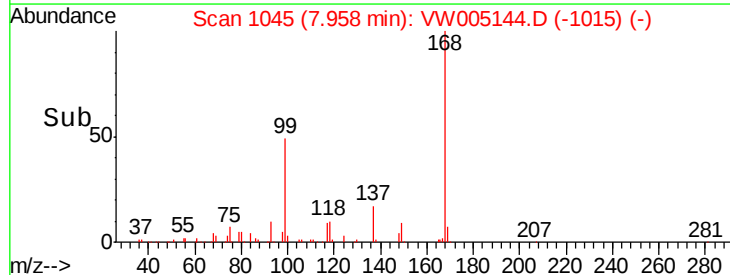
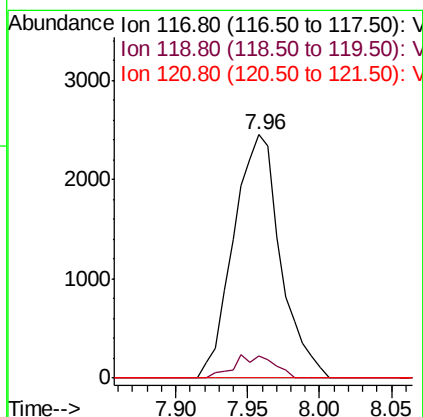
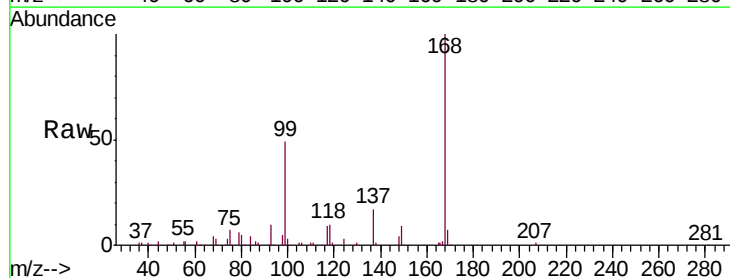
Instrument :
 MSVOA_W
 ClientSampleId :
 DW-06RE

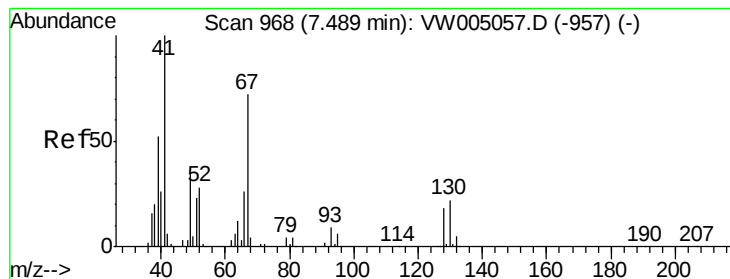
Tgt Ion: 75 Resp: 4201
 Ion Ratio Lower Upper
 75 100
 110 3.8 18.9 56.7#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.972 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.12 min
 Lab File: VW005144.D
 Acq: 05 Sep 2018 21:43

Tgt Ion: 117 Resp: 5559
 Ion Ratio Lower Upper
 117 100
 119 9.3 76.6 115.0#
 121 0.0 24.8 37.2#





#41

Methacrylonitrile

Concen: 1.145 ug/l

RT: 7.50 min Scan# 970

Delta R.T. 0.01 min

Lab File: VW005144.D

Acq: 05 Sep 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

DW-06RE

Tgt Ion: 41 Resp: 208

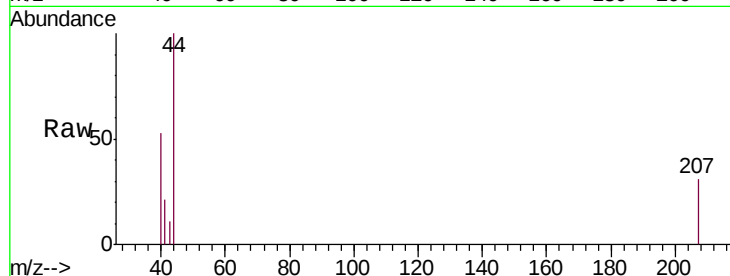
Ion Ratio Lower Upper

41 100

39 0.0 41.8 62.8#

67 0.0 60.4 90.6#

52 0.0 23.8 35.8#

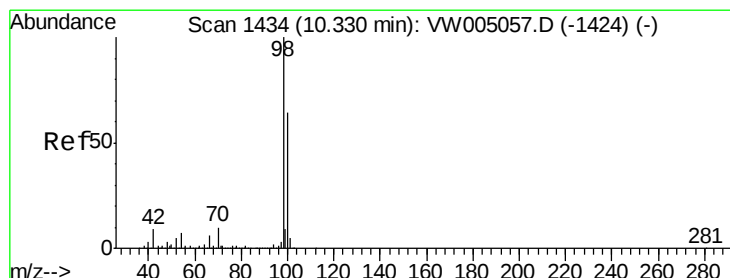
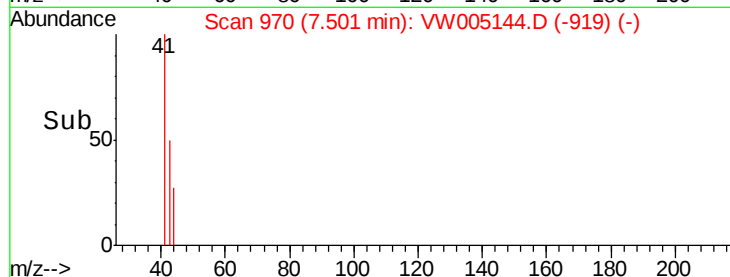
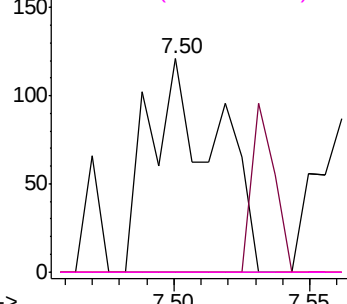


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 33.226 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005144.D

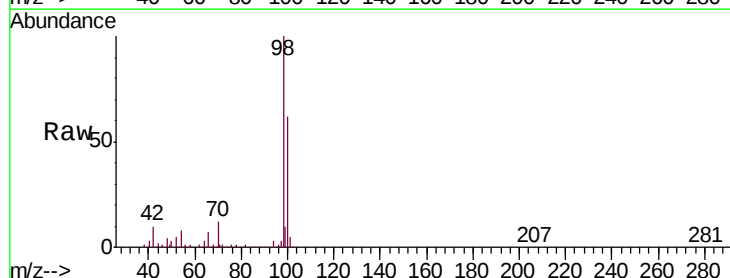
Acq: 05 Sep 2018 21:43

Tgt Ion: 98 Resp: 77897

Ion Ratio Lower Upper

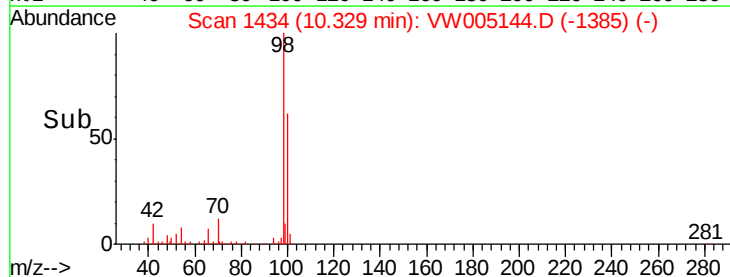
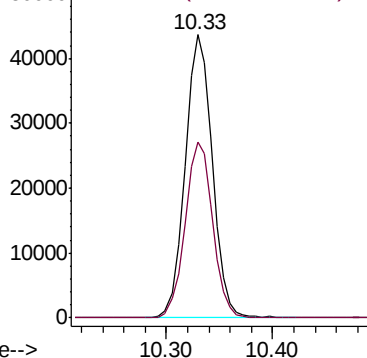
98 100

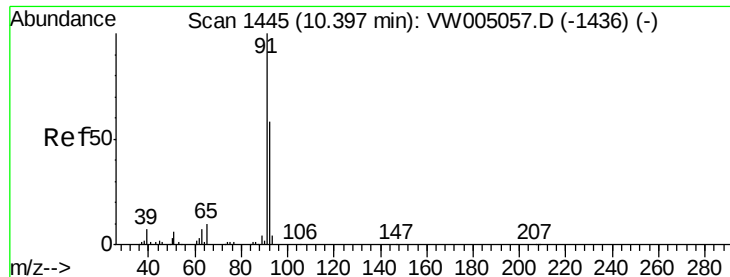
100 62.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.391 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW005144.D

Acq: 05 Sep 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

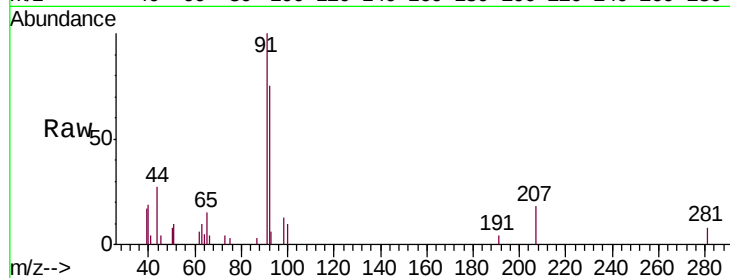
DW-06RE

Tgt Ion: 92 Resp: 2419

Ion Ratio Lower Upper

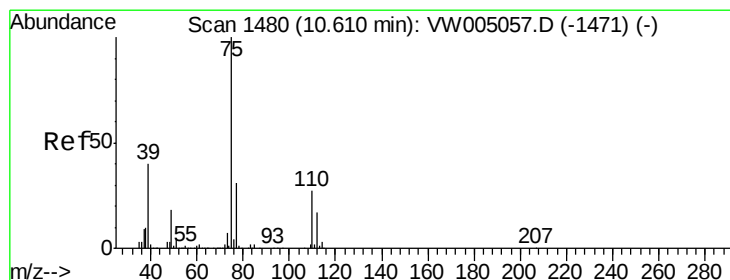
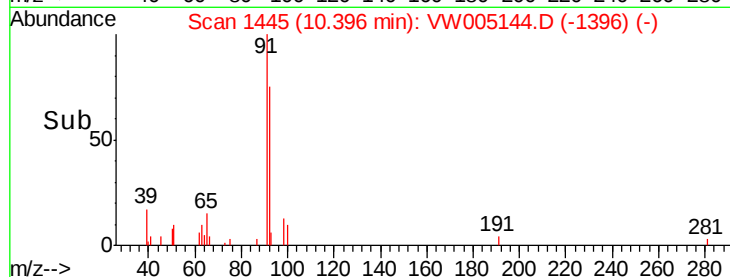
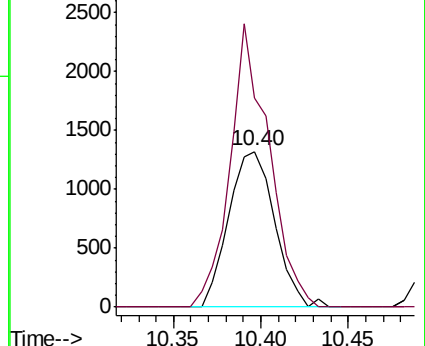
92 100

91 153.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 1.092 ug/l

RT: 10.74 min Scan# 1501

Delta R.T. 0.13 min

Lab File: VW005144.D

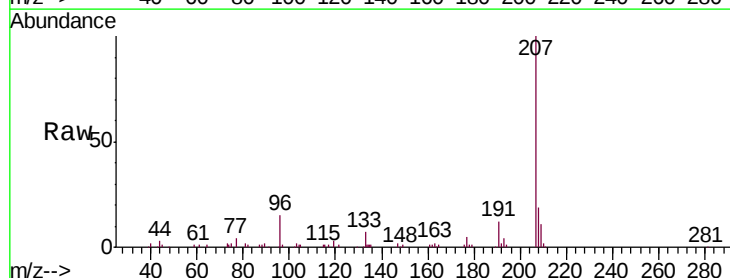
Acq: 05 Sep 2018 21:43

Tgt Ion: 75 Resp: 810

Ion Ratio Lower Upper

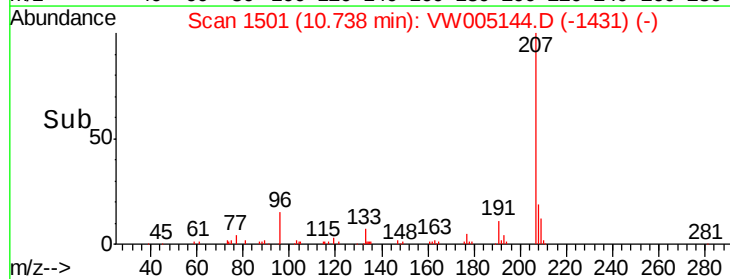
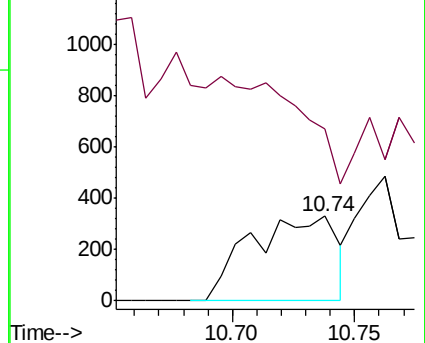
75 100

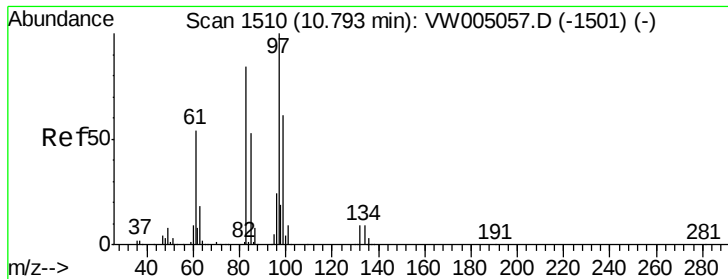
77 65.5 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#55

1,1,2-Trichloroethane

Concen: 2.320 ug/l

RT: 10.74 min Scan# 1502

Delta R.T. -0.05 min

Lab File: VW005144.D

Acq: 05 Sep 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

DW-06RE

Tgt Ion: 97 Resp: 1077

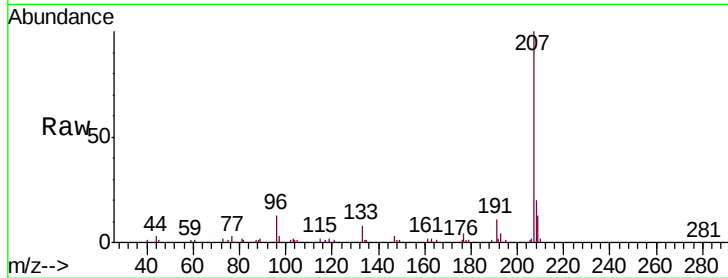
Ion Ratio Lower Upper

97 100

83 0.0 67.0 100.6#

85 0.0 42.3 63.5#

99 0.0 48.5 72.7#



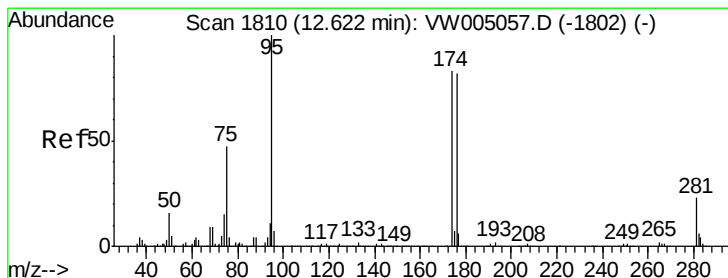
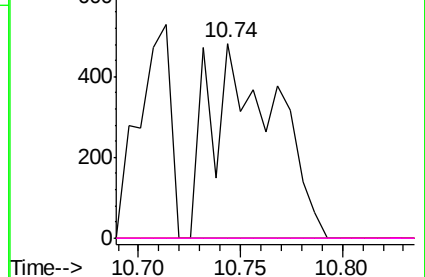
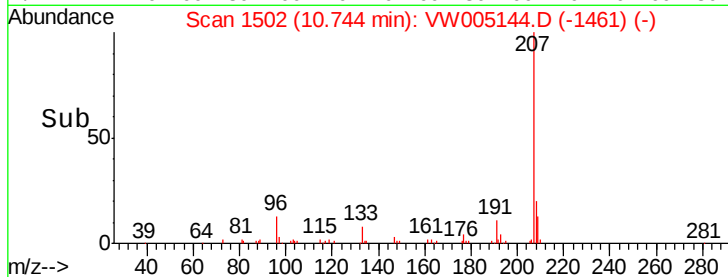
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->



#62

4-Bromofluorobenzene

Concen: 17.515 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005144.D

Acq: 05 Sep 2018 21:43

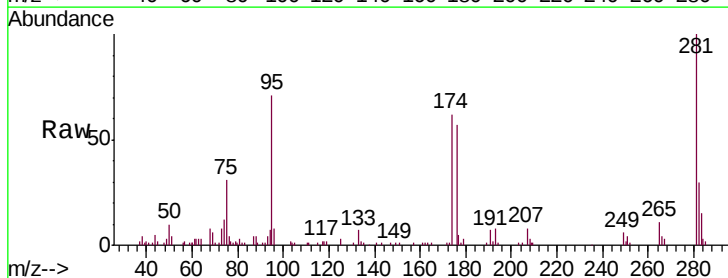
Tgt Ion: 95 Resp: 14479

Ion Ratio Lower Upper

95 100

174 83.0 0.0 173.4

176 79.6 0.0 167.4

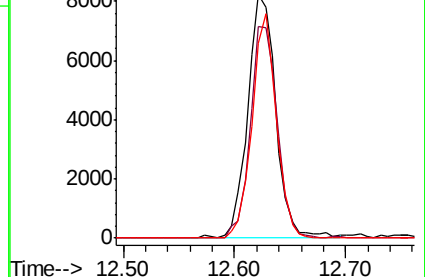
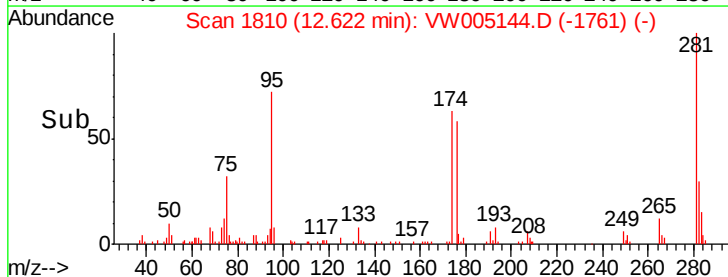


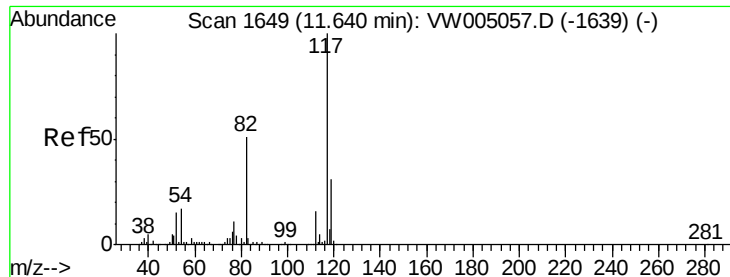
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->

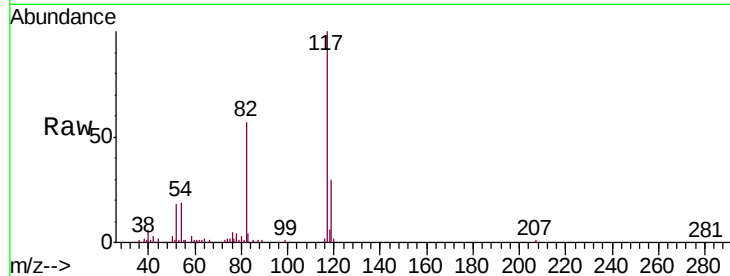




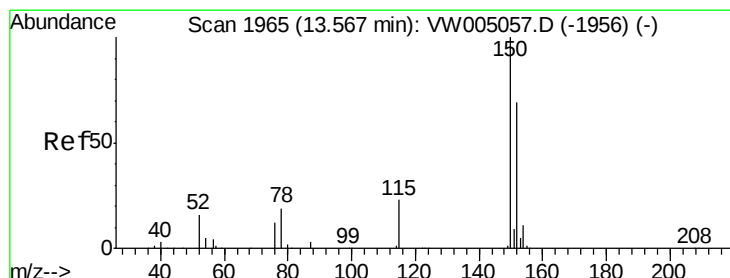
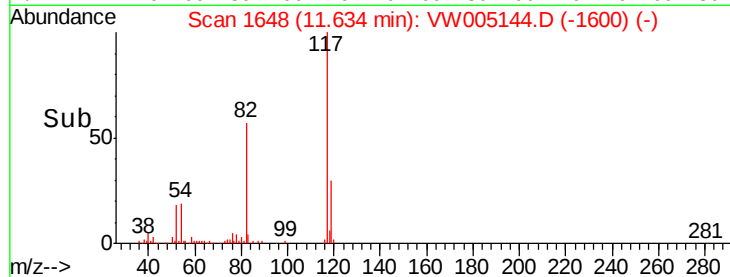
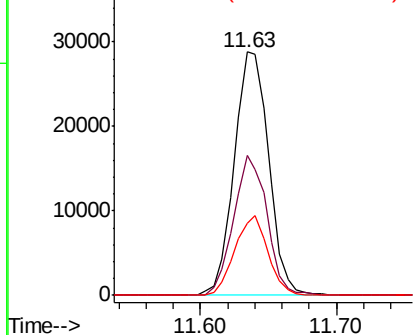
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005144.D
Acq: 05 Sep 2018 21:43

Instrument :
MSVOA_W
ClientSampleId :
DW-06RE

Tgt Ion:117 Resp: 50900
Ion Ratio Lower Upper
117 100
82 57.4 40.9 61.3
119 29.8 24.9 37.3

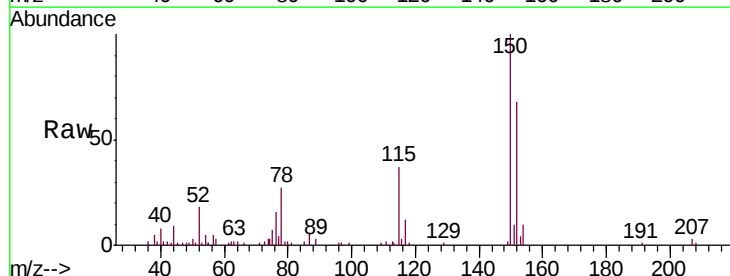


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

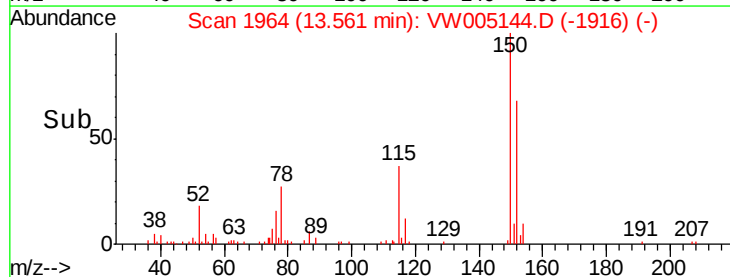
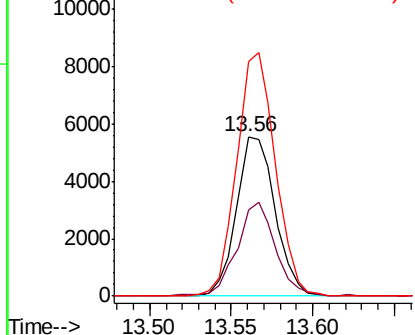


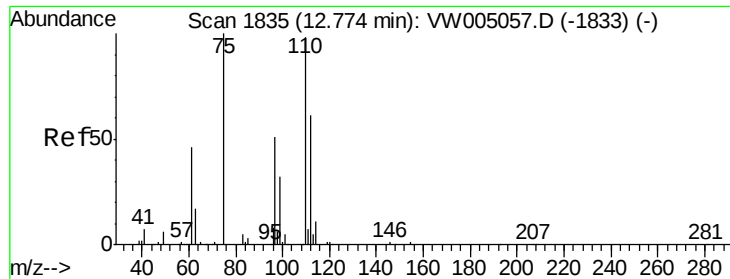
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1964
Delta R.T. -0.01 min
Lab File: VW005144.D
Acq: 05 Sep 2018 21:43

Tgt Ion:152 Resp: 9189
Ion Ratio Lower Upper
152 100
115 58.8 27.8 83.4
150 152.1 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

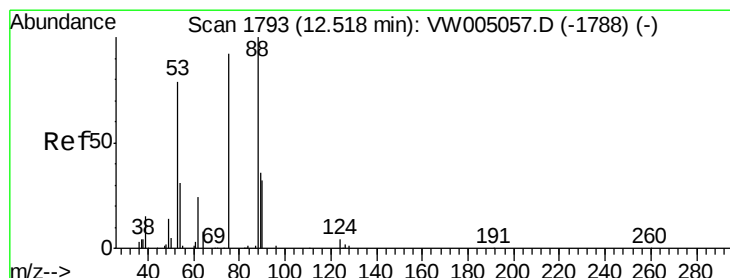
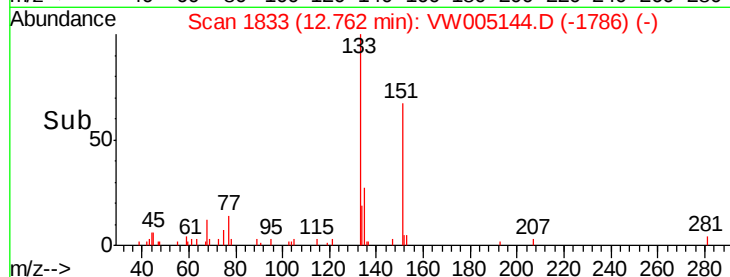
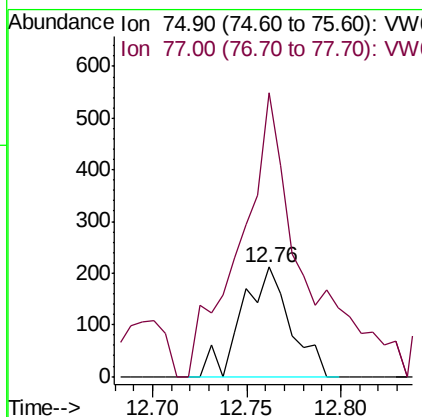
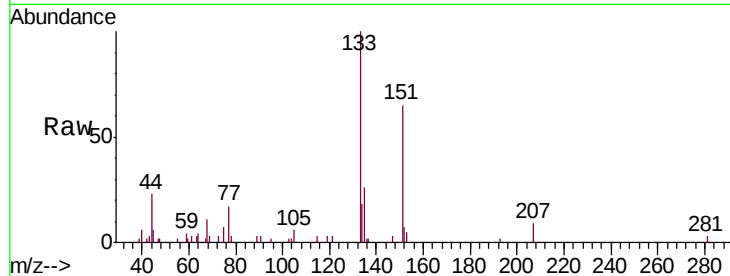




#76
 1,2,3-Trichloropropane
 Concen: 5.437 ug/l
 RT: 12.76 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: VW005144.D
 Acq: 05 Sep 2018 21:43

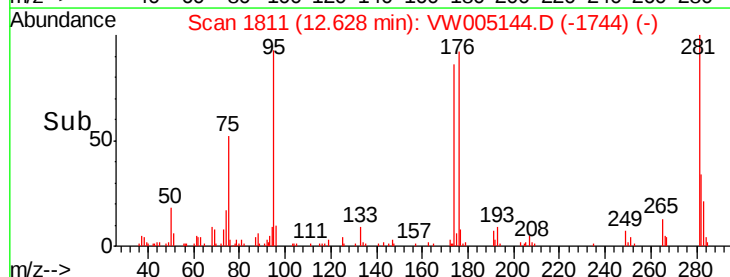
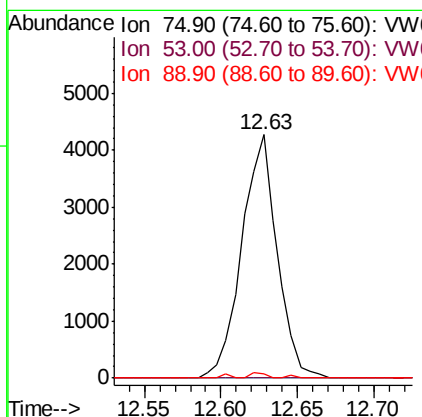
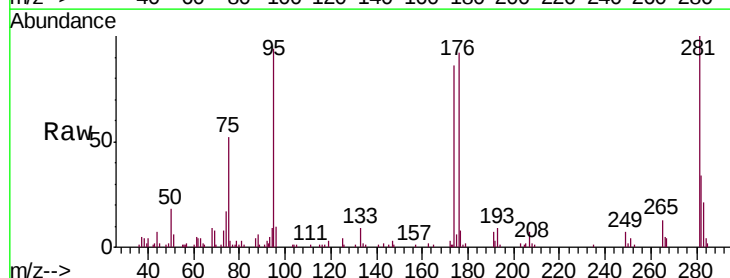
Instrument :
 MSVOA_W
 ClientSampleId :
 DW-06RE

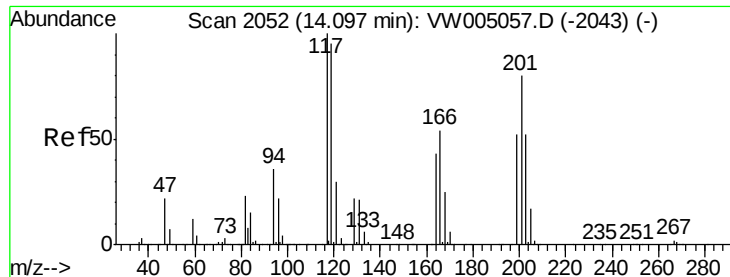
Tgt Ion: 75 Resp: 375
 Ion Ratio Lower Upper
 75 100
 77 344.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 239.032 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.11 min
 Lab File: VW005144.D
 Acq: 05 Sep 2018 21:43

Tgt Ion: 75 Resp: 6850
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.8#
 89 0.8 36.0 54.0#





#90

Hexachloroethane

Concen: 1.256 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW005144.D

Acq: 05 Sep 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

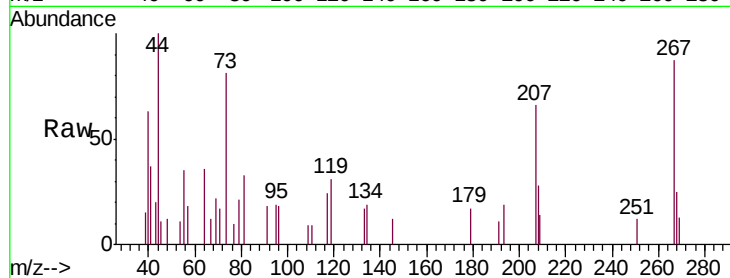
DW-06RE

Tgt Ion: 117 Resp: 127

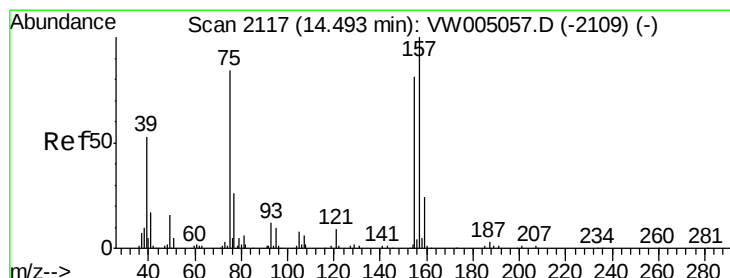
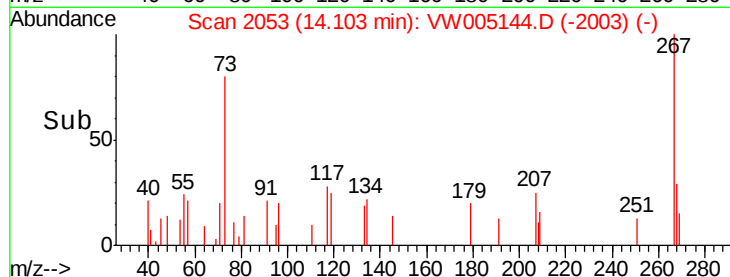
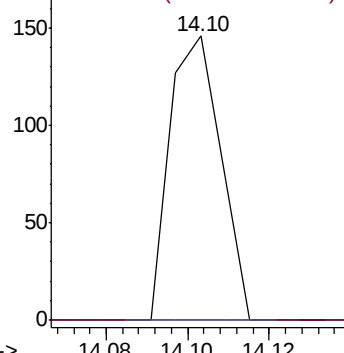
Ion Ratio Lower Upper

117 100

201 0.0 44.6 133.8#



Abundance Ion 116.80 (116.50 to 117.50): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.946 ug/l

RT: 14.41 min Scan# 2103

Delta R.T. -0.09 min

Lab File: VW005144.D

Acq: 05 Sep 2018 21:43

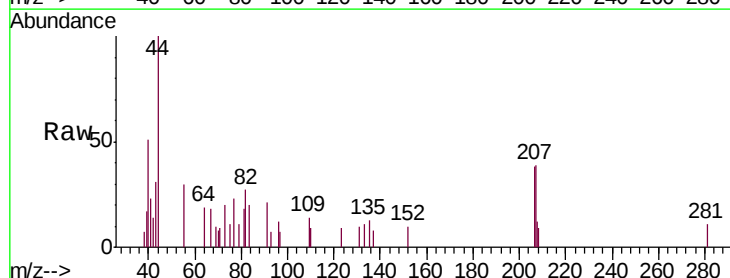
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

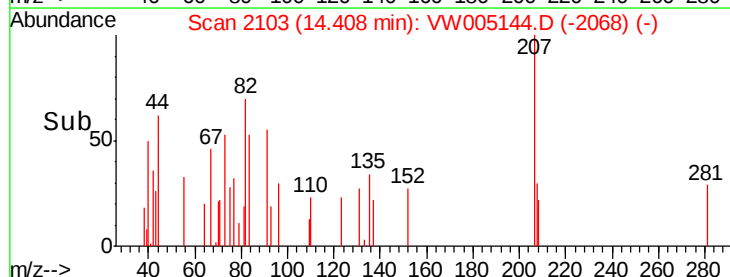
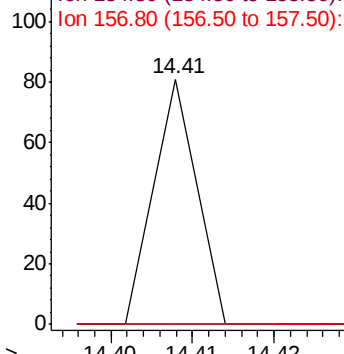
75 100

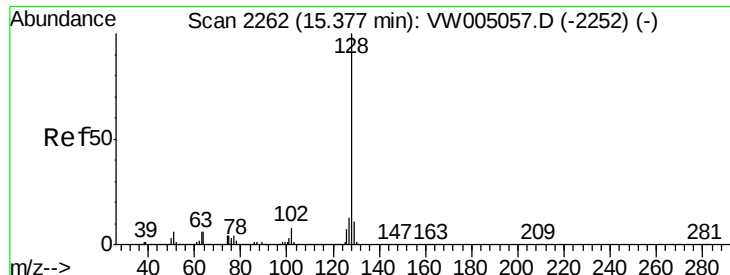
155 0.0 46.0 137.8#

157 0.0 58.6 175.7#



Abundance Ion 74.90 (74.60 to 75.60): VW





#95
Naphthalene
Concen: 5.180 ug/l
RT: 15.39 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VW005144.D
Acq: 05 Sep 2018 21:43

Instrument :
MSVOA_W
ClientSampleId :
DW-06RE

Tgt Ion:128 Resp: 432
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

