

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
 Data File : VW005491.D
 Acq On : 18 Sep 2018 20:28
 Operator : SY/AP
 Sample : J4936-23RE
 Misc : 5.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PHASE-1RE

Quant Time: Sep 19 06:01:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	224966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	296241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	192365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	49315	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	85042	36.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.84%	
35) Dibromofluoromethane	7.89	113	69165	41.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.28%	
50) Toluene-d8	10.33	98	264833	34.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.64%	
62) 4-Bromofluorobenzene	12.63	95	50206	18.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.00%	

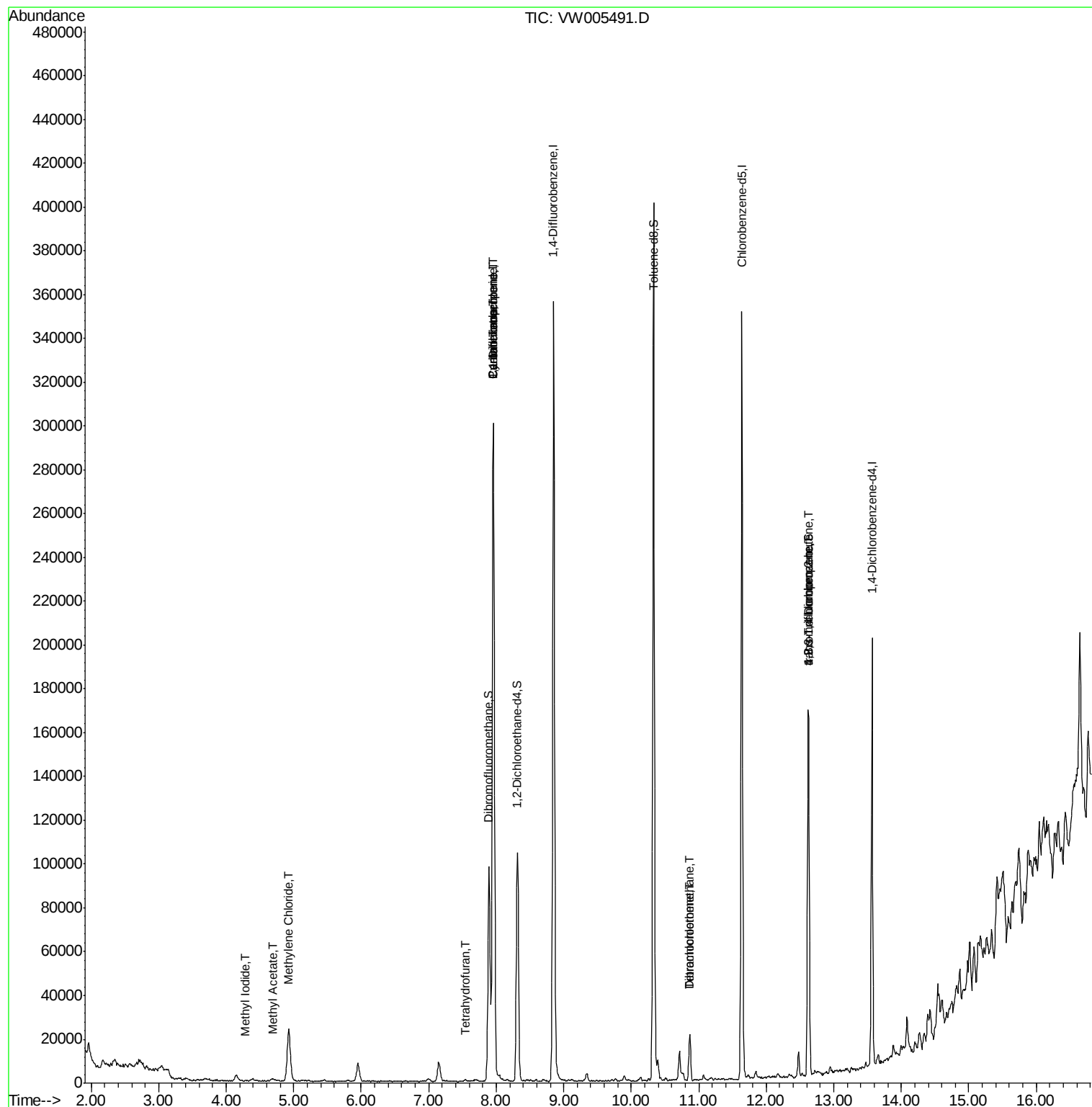
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	243	Below Cal	#	42
5) Bromomethane	2.78	94	332	Below Cal		90
10) Methyl Iodide	4.28	142	26	4.061	ug/l #	38
11) Tert butyl alcohol	5.21	59	207	Below Cal	#	71
13) Acrolein	3.81	56	22	Below Cal	#	12
16) Acetone	4.15	43	5204	Below Cal		93
18) Methyl Acetate	4.69	43	2204	1.964	ug/l #	91
20) Methylene Chloride	4.93	84	17500	2.049	ug/l	95
29) Tetrahydrofuran	7.56	42	769	2.149	ug/l #	47
31) Cyclohexane	7.95	56	5770	1.548	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	17862	6.371	ug/l #	50
38) Carbon Tetrachloride	7.96	117	22583	7.730	ug/l #	16
60) Dibromochloromethane	10.87	129	3616	2.118	ug/l #	11
64) Tetrachloroethene	10.87	164	5049	3.551	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	26119	64.395	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	26119	167.045	ug/l #	9

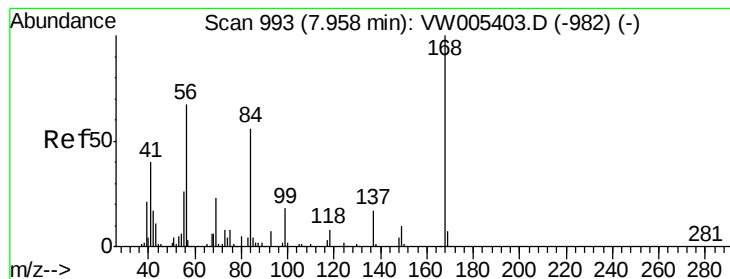
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005491.D

Acq: 18 Sep 2018 20:28

Instrument :

MSVOA_W

ClientSampleId :

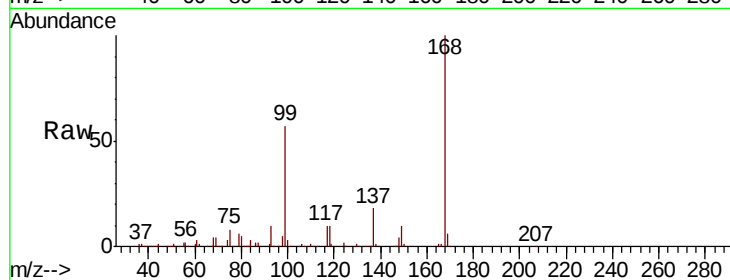
PHASE-1RE

Tgt Ion:168 Resp: 224966

Ion Ratio Lower Upper

168 100

99 57.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

60000

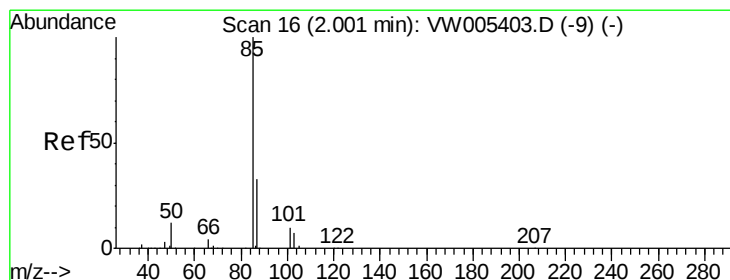
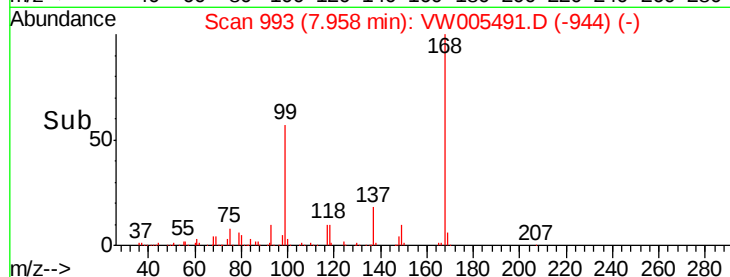
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW005491.D

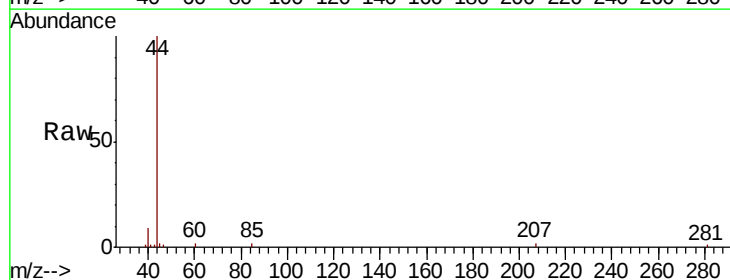
Acq: 18 Sep 2018 20:28

Tgt Ion: 85 Resp: 243

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

250

200

150

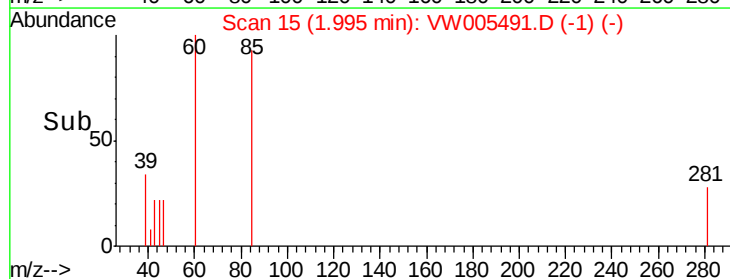
100

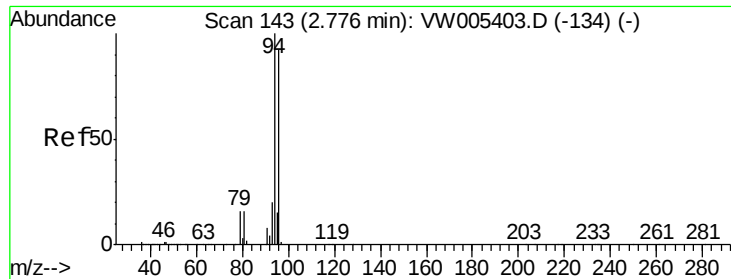
50

0

Time-->

1.98 2.00 2.02 2.04





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005491.D

Acq: 18 Sep 2018 20:28

Instrument :

MSVOA_W

ClientSampleId :

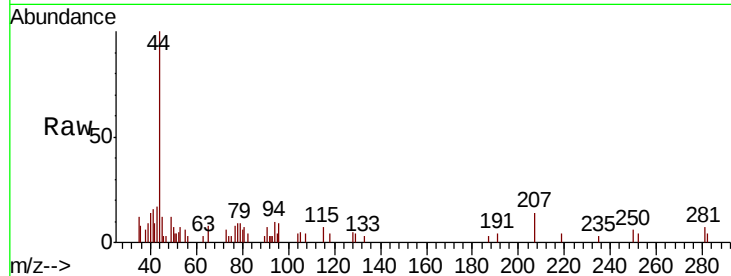
PHASE-1RE

Tgt Ion: 94 Resp: 332

Ion Ratio Lower Upper

94 100

96 82.7 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

200

150

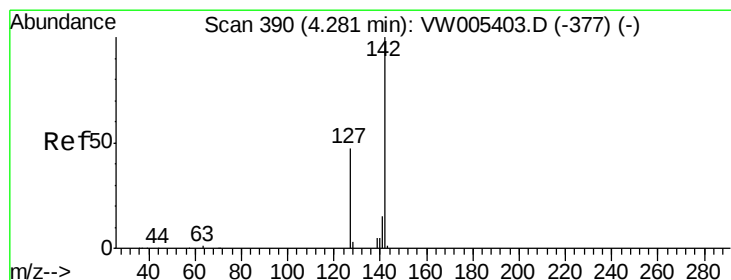
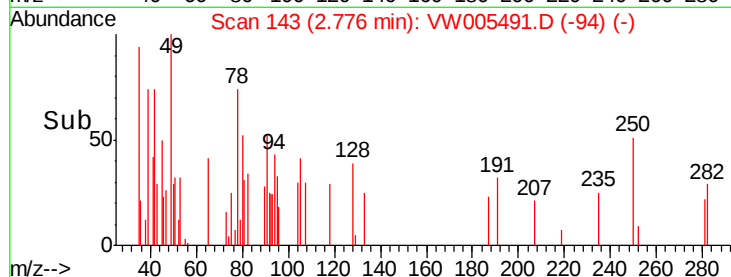
100

50

0

2.74 2.76 2.78 2.80 2.82

Time-->



#10

Methyl Iodide

Concen: 4.061 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW005491.D

Acq: 18 Sep 2018 20:28

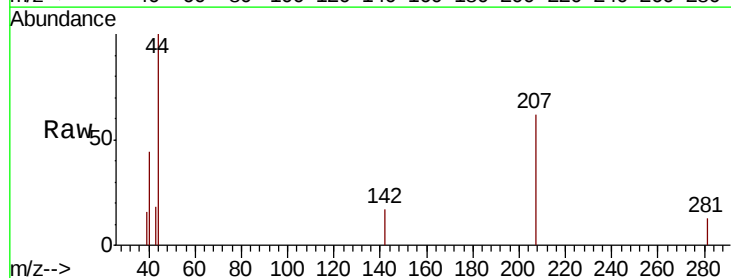
Tgt Ion: 142 Resp: 26

Ion Ratio Lower Upper

142 100

127 0.0 37.5 56.3#

141 0.0 12.4 18.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

100

80

60

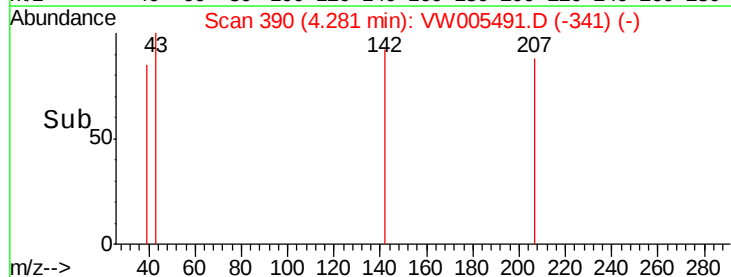
40

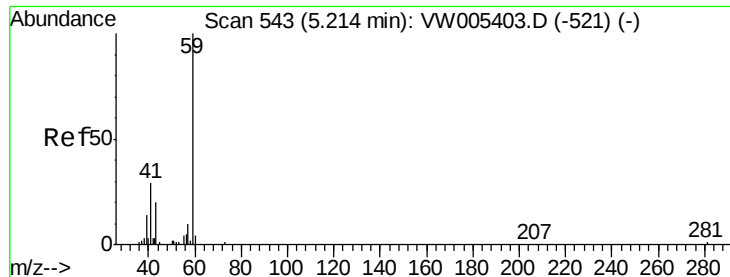
20

0

4.26 4.27 4.28 4.29 4.30

Time-->



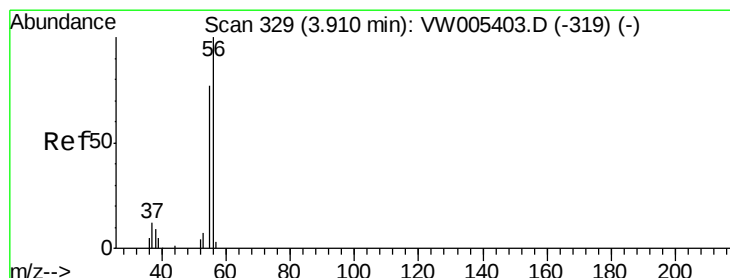
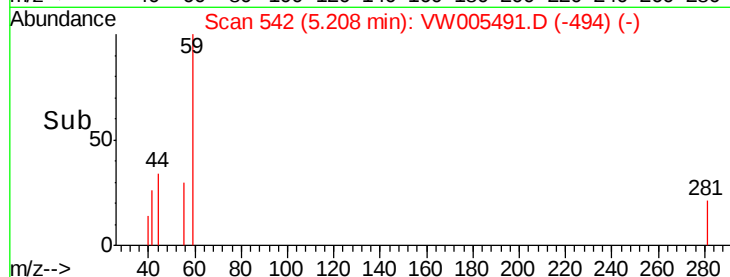
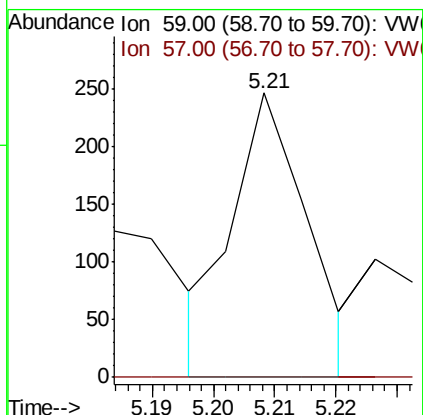
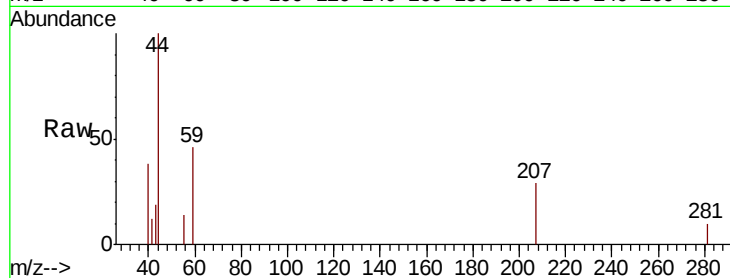


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 542
 Delta R.T. -0.01 min
 Lab File: VW005491.D
 Acq: 18 Sep 2018 20:28

Instrument :
 MSVOA_W
 ClientSampled :
 PHASE-1RE

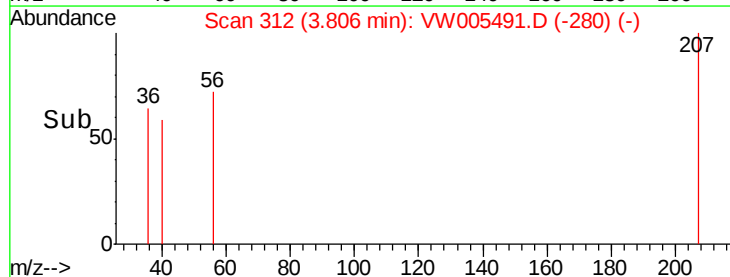
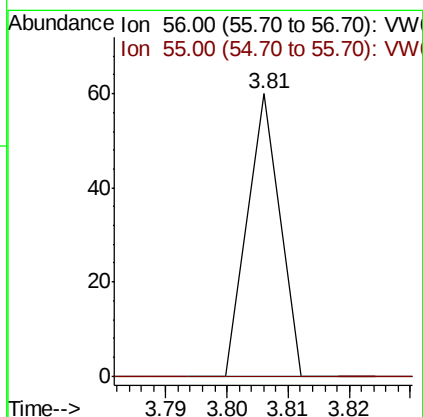
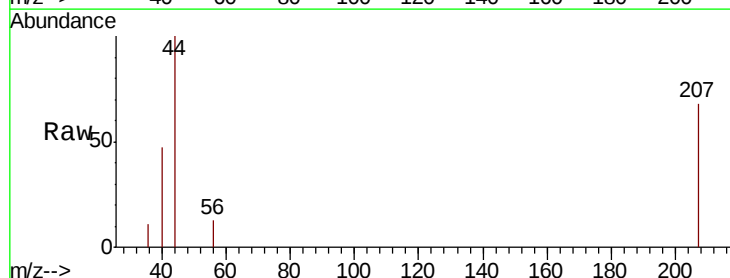
Tgt Ion: 59 Resp: 207
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

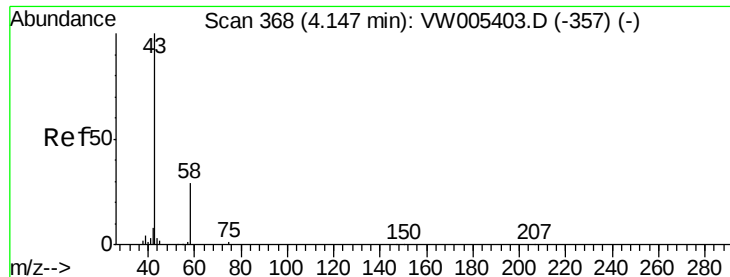


#13

Acrolein
 Concen: Below Cal
 RT: 3.81 min Scan# 312
 Delta R.T. -0.10 min
 Lab File: VW005491.D
 Acq: 18 Sep 2018 20:28

Tgt Ion: 56 Resp: 22
 Ion Ratio Lower Upper
 56 100
 55 0.0 59.8 89.8#





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005491.D

Acq: 18 Sep 2018 20:28

Instrument :

MSVOA_W

ClientSampled :

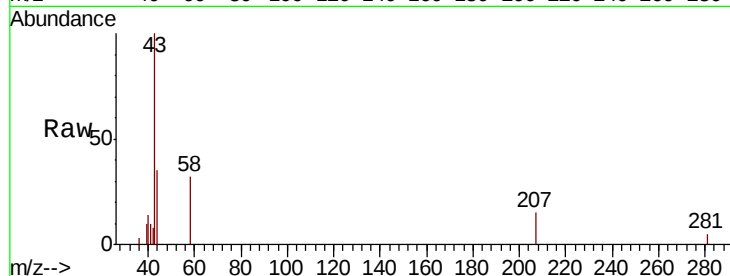
PHASE-1RE

Tgt Ion: 43 Resp: 5204

Ion Ratio Lower Upper

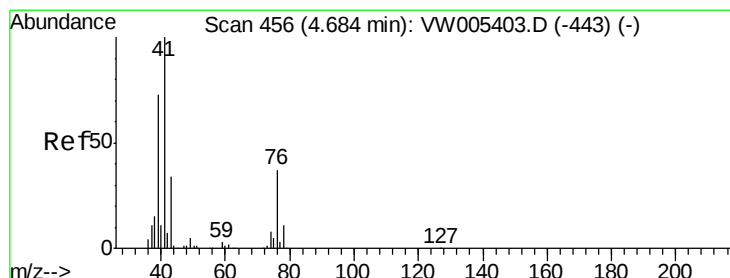
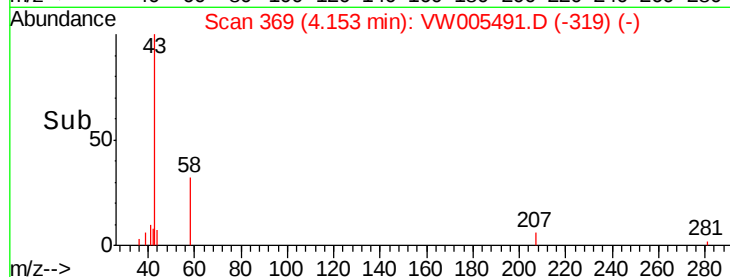
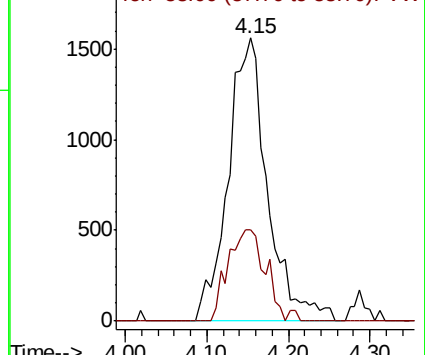
43 100

58 32.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.964 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW005491.D

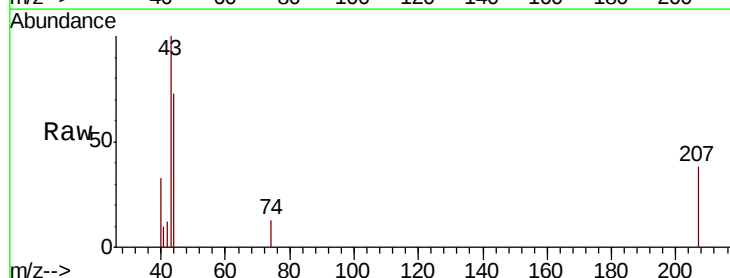
Acq: 18 Sep 2018 20:28

Tgt Ion: 43 Resp: 2204

Ion Ratio Lower Upper

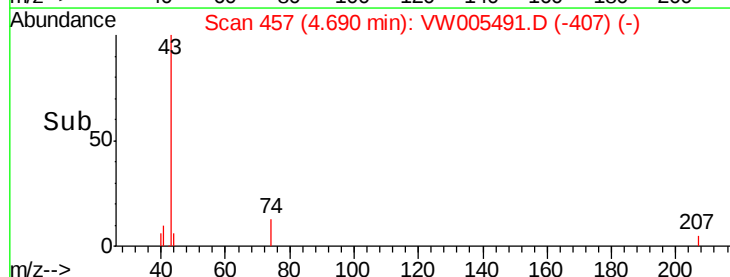
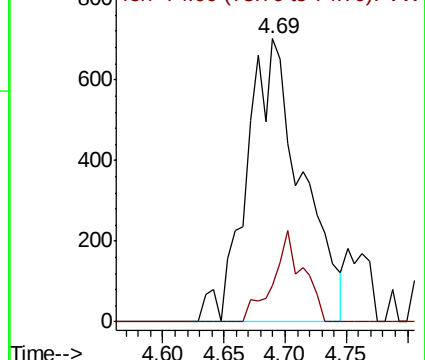
43 100

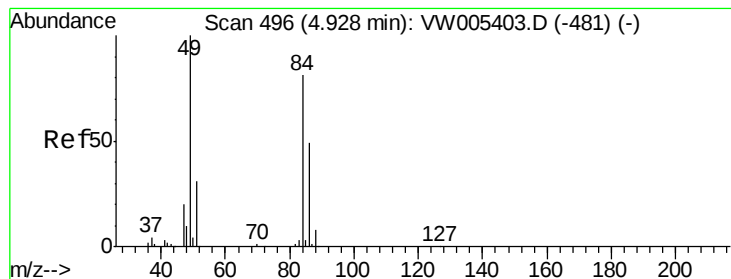
74 17.6 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 2.049 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW005491.D

Acq: 18 Sep 2018 20:28

Instrument :

MSVOA_W

ClientSampleId :

PHASE-1RE

Tgt Ion: 84 Resp: 17500

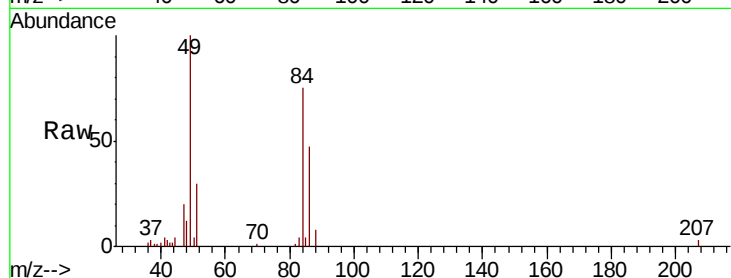
Ion Ratio Lower Upper

84 100

49 133.1 99.3 148.9

51 40.3 31.1 46.7

86 62.5 49.1 73.7

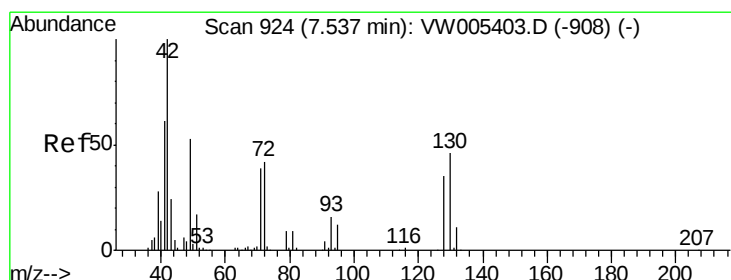
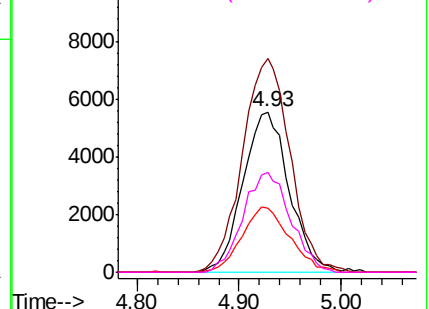
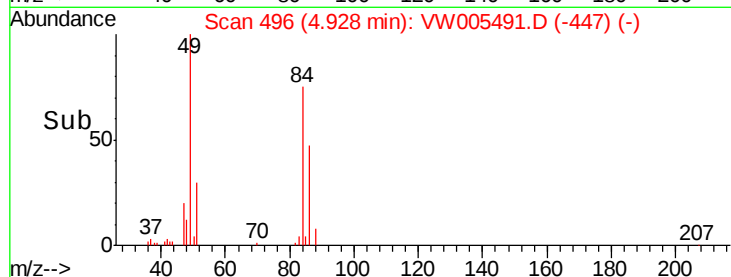


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 2.149 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005491.D

Acq: 18 Sep 2018 20:28

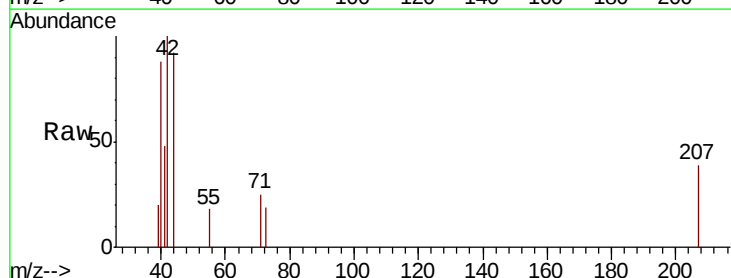
Tgt Ion: 42 Resp: 769

Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

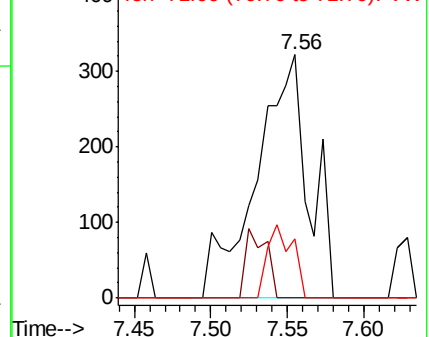
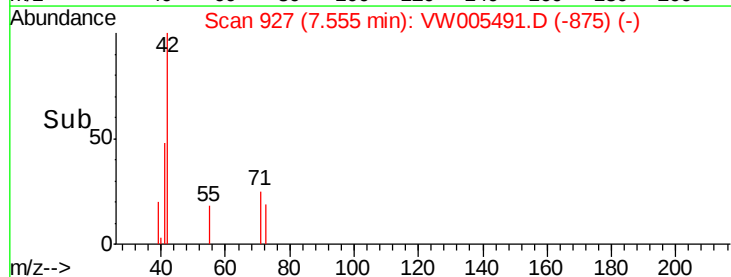
71 14.4 31.0 46.6#

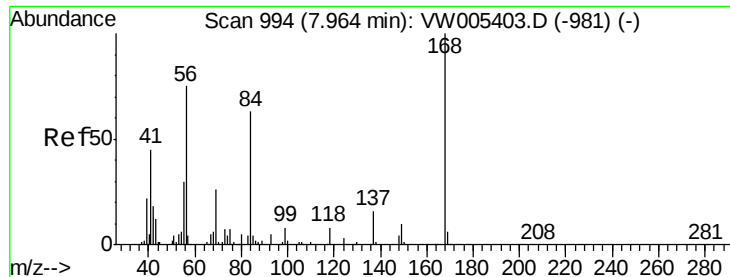


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

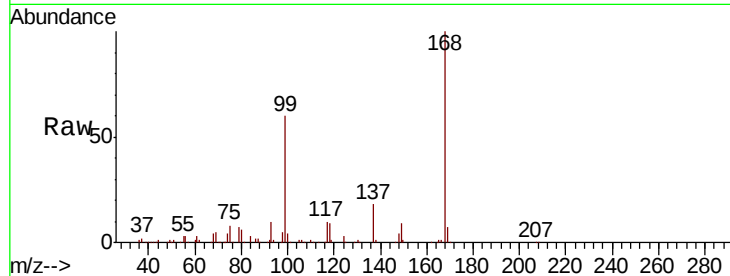




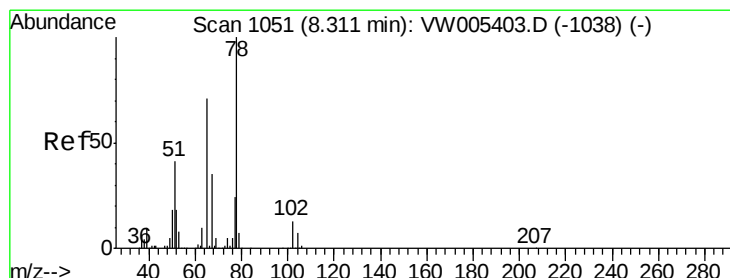
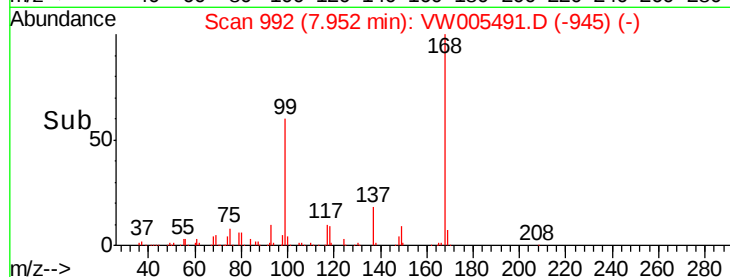
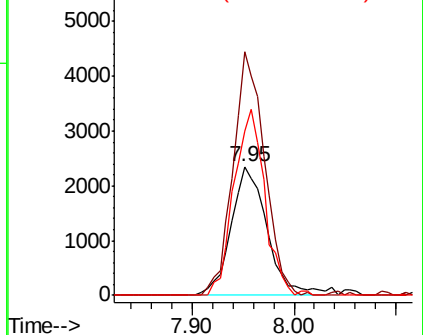
#31
Cyclohexane
Concen: 1.548 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005491.D
Acq: 18 Sep 2018 20:28

Instrument :
MSVOA_W
ClientSampleId :
PHASE-1RE

Tgt Ion: 56 Resp: 5770
Ion Ratio Lower Upper
56 100
69 189.5 27.2 40.8#
84 127.4 66.7 100.1#

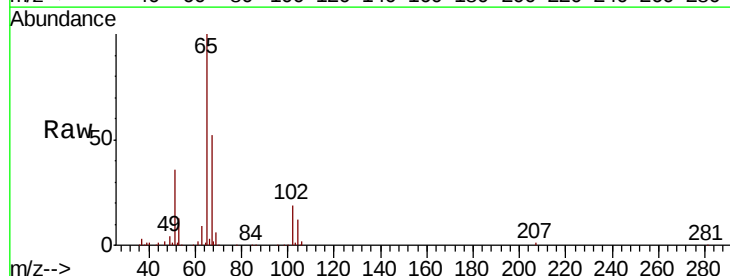


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

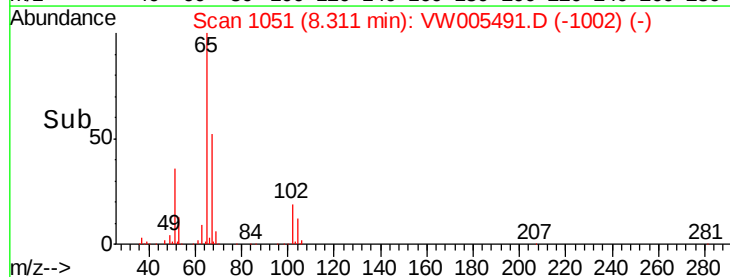
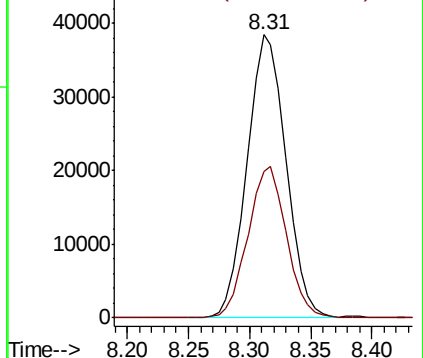


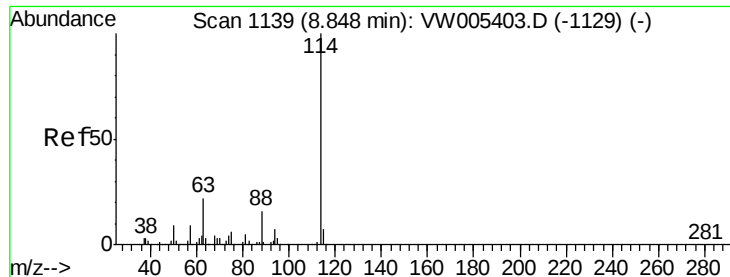
#33
1,2-Dichloroethane-d4
Concen: 36.418 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005491.D
Acq: 18 Sep 2018 20:28

Tgt Ion: 65 Resp: 85042
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.6



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

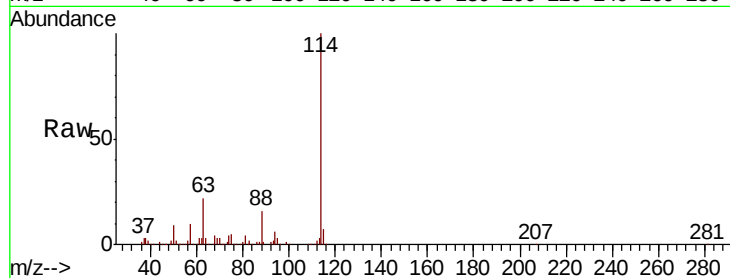




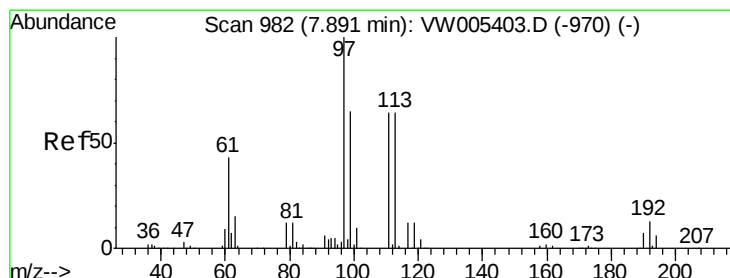
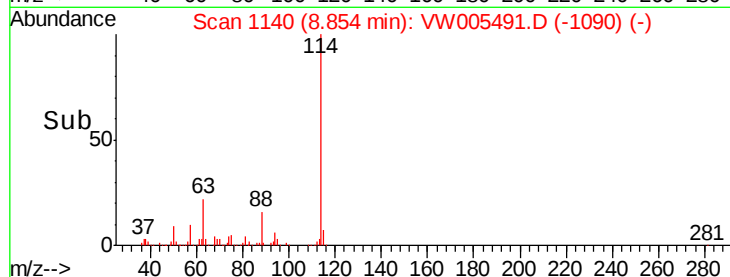
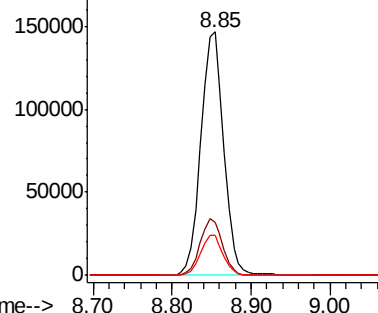
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005491.D
 Acq: 18 Sep 2018 20:28

Instrument :
 MSVOA_W
 ClientSampleId :
 PHASE-1RE

Tgt Ion:114 Resp: 296241
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.3 0.0 31.8

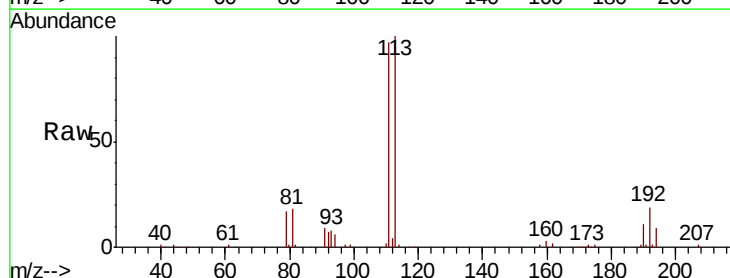


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

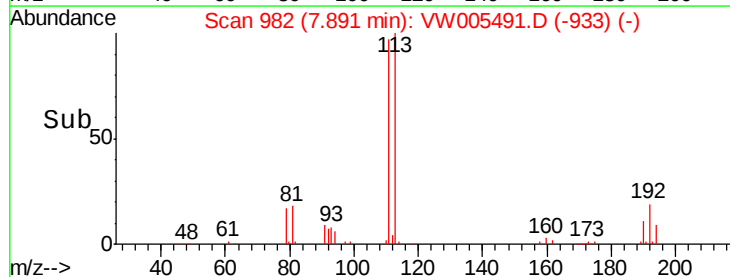
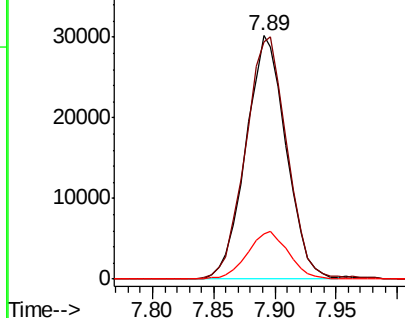


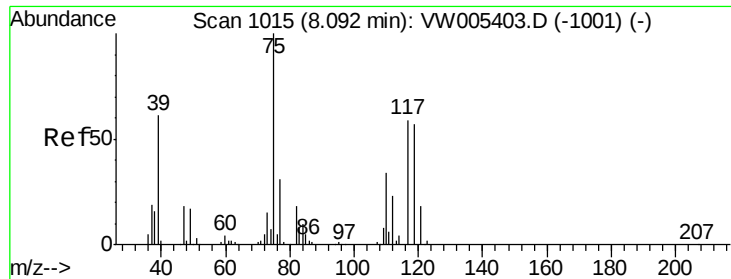
#35
 Dibromofluoromethane
 Concen: 41.641 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005491.D
 Acq: 18 Sep 2018 20:28

Tgt Ion:113 Resp: 69165
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.3 123.5
 192 20.0 16.5 24.7



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

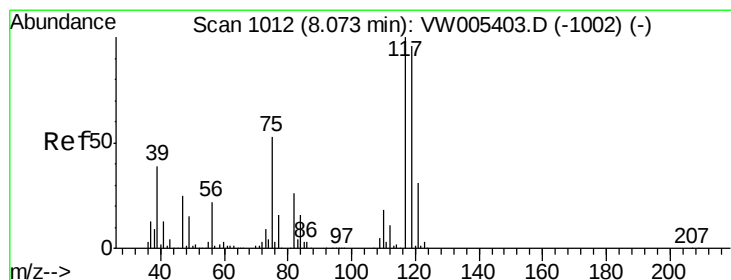
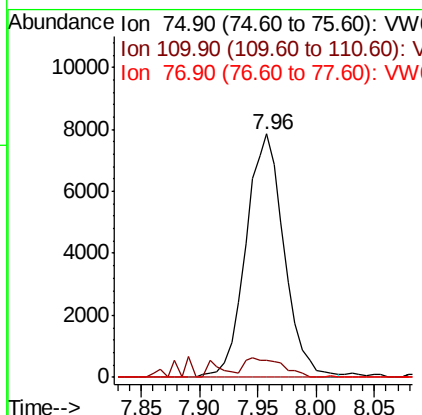
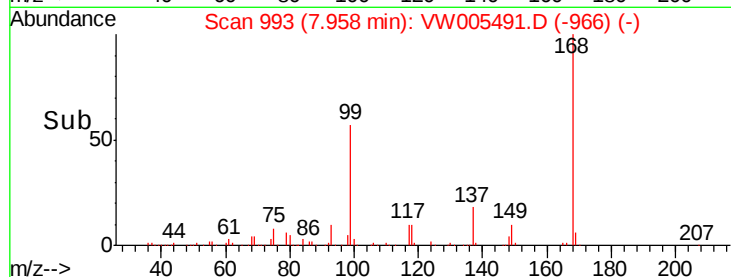
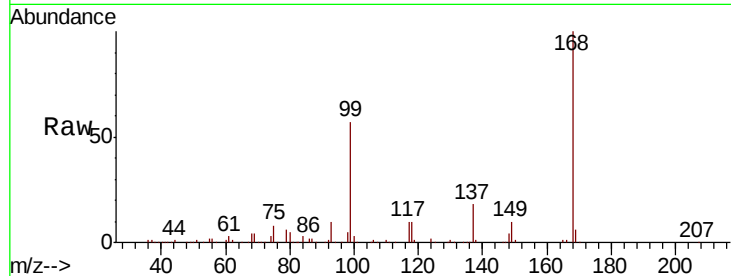




#36
 1,1-Dichloropropene
 Concen: 6.371 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005491.D
 Acq: 18 Sep 2018 20:28

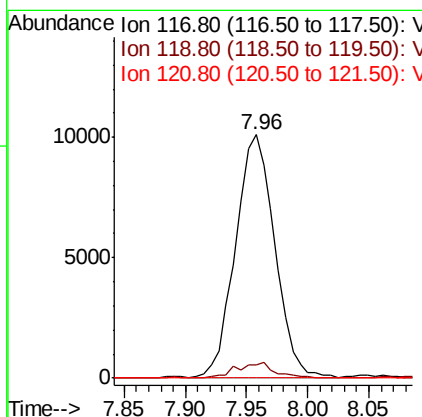
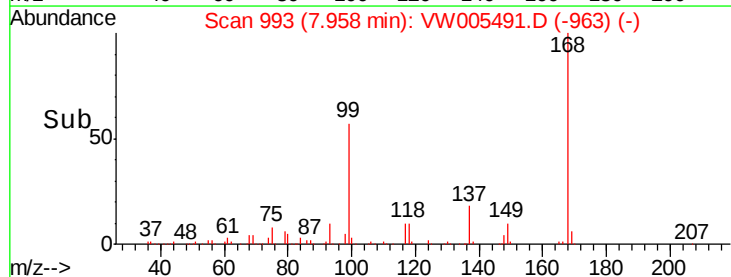
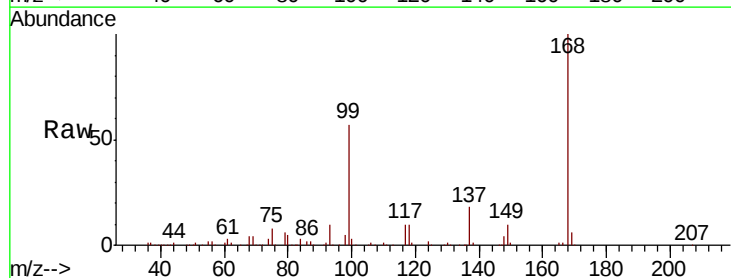
Instrument :
 MSVOA_W
 ClientSampleId :
 PHASE-1RE

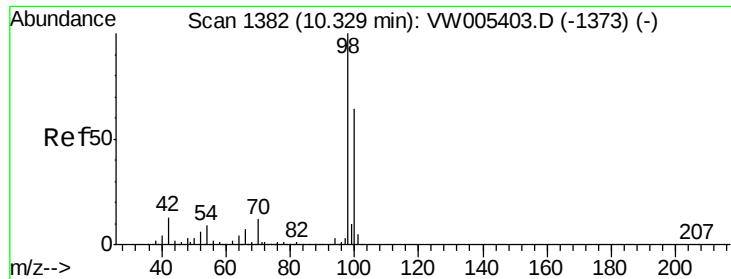
Tgt Ion: 75 Resp: 17862
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.8 50.4#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 7.730 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005491.D
 Acq: 18 Sep 2018 20:28

Tgt Ion: 117 Resp: 22583
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.8 115.2#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 34.816 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005491.D

Acq: 18 Sep 2018 20:28

Instrument :

MSVOA_W

ClientSampleId :

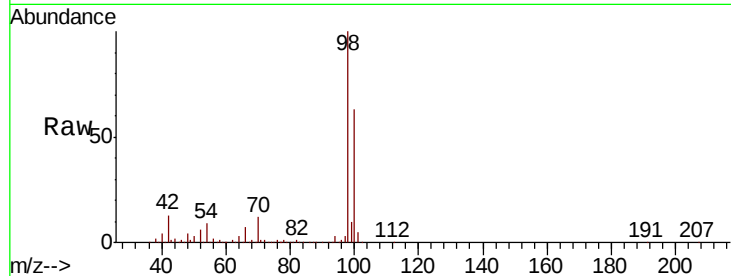
PHASE-1RE

Tgt Ion: 98 Resp: 264833

Ion Ratio Lower Upper

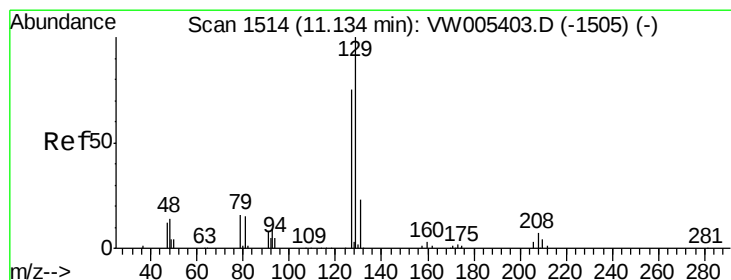
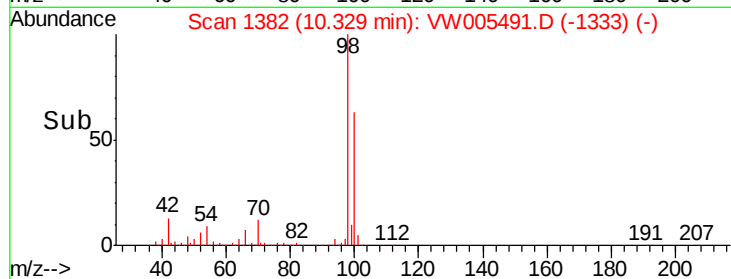
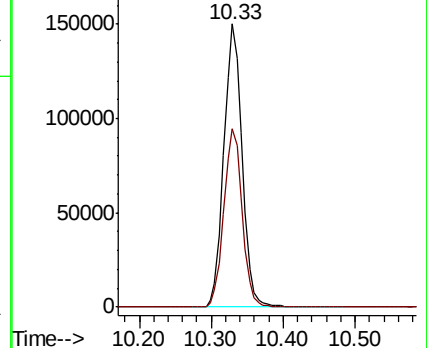
98 100

100 63.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#60

Dibromochloromethane

Concen: 2.118 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW005491.D

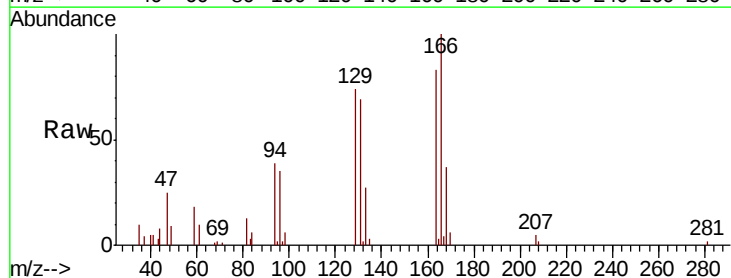
Acq: 18 Sep 2018 20:28

Tgt Ion: 129 Resp: 3616

Ion Ratio Lower Upper

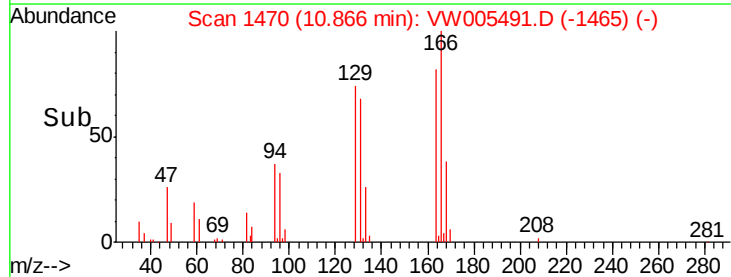
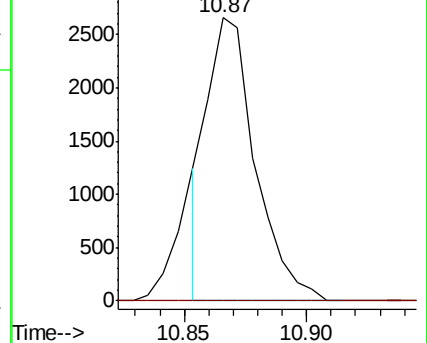
129 100

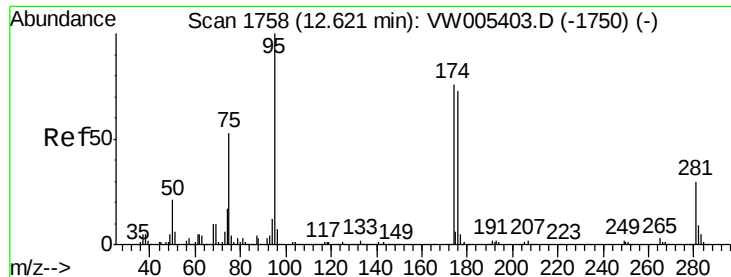
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

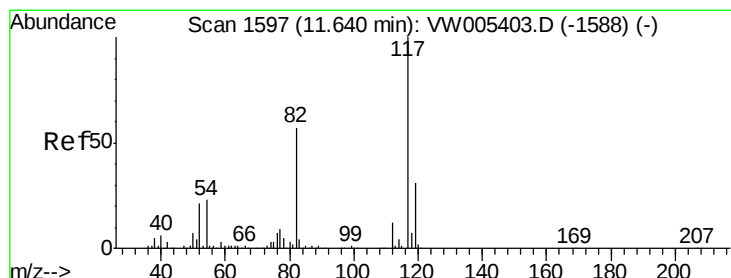
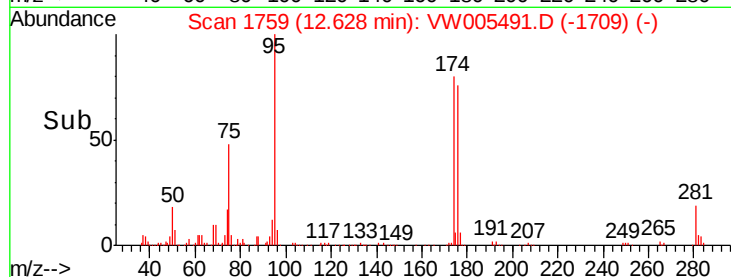
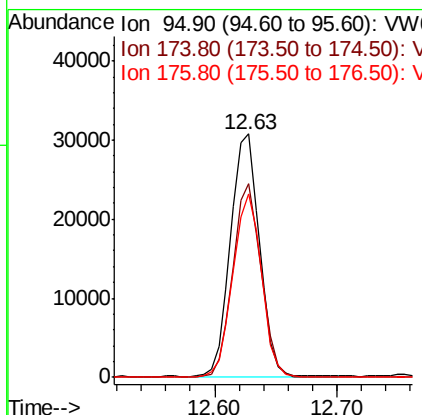
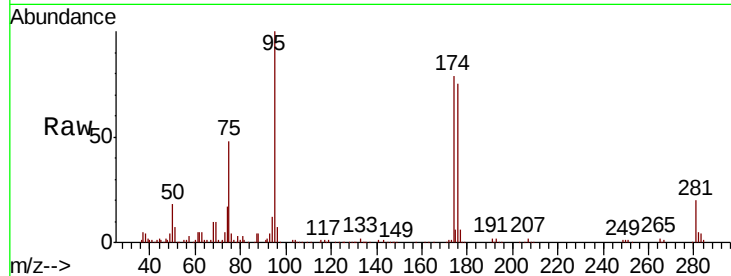




#62
4-Bromofluorobenzene
Concen: 18.001 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005491.D
Acq: 18 Sep 2018 20:28

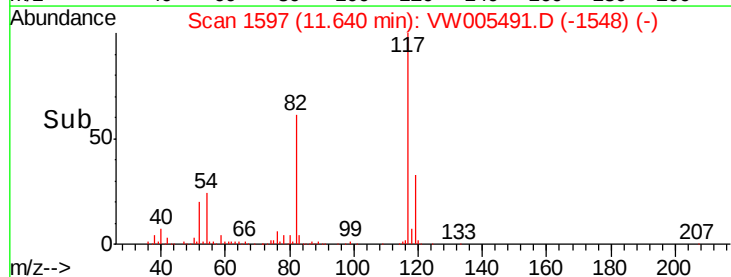
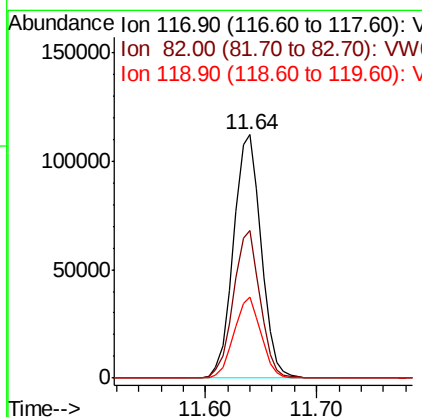
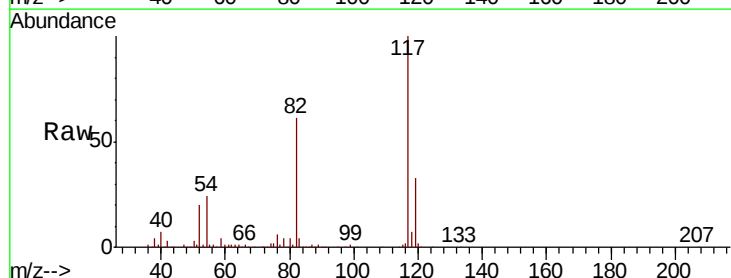
Instrument :
MSVOA_W
ClientSampleId :
PHASE-1RE

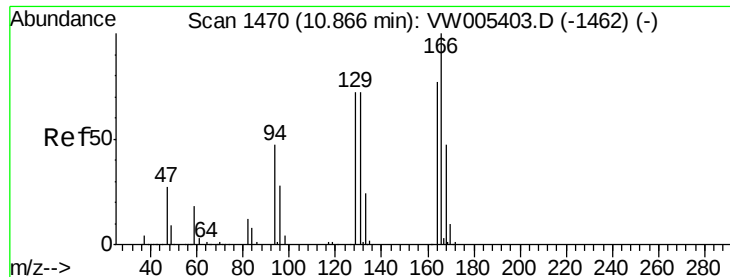
Tgt Ion: 95 Resp: 50206
Ion Ratio Lower Upper
95 100
174 77.9 0.0 161.2
176 74.3 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005491.D
Acq: 18 Sep 2018 20:28

Tgt Ion: 117 Resp: 192365
Ion Ratio Lower Upper
117 100
82 60.7 45.9 68.9
119 33.1 24.8 37.2

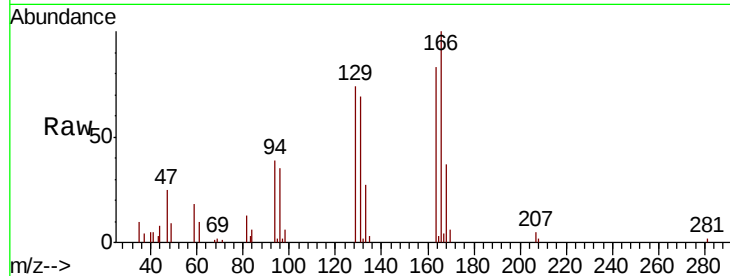




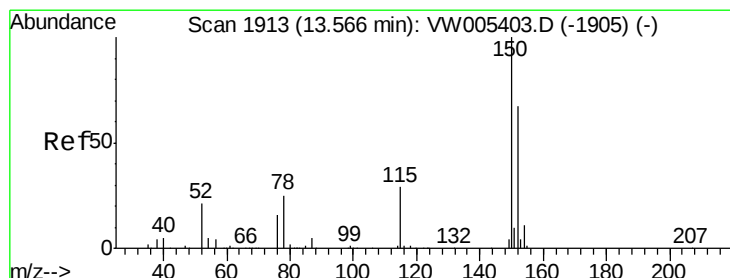
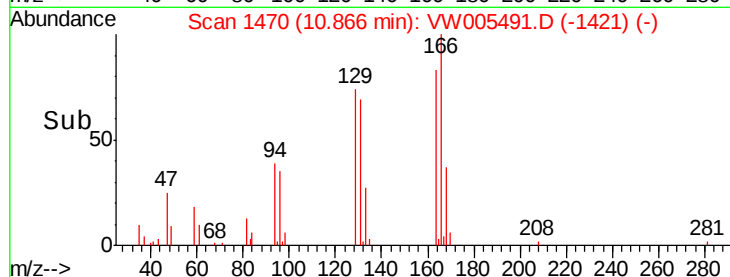
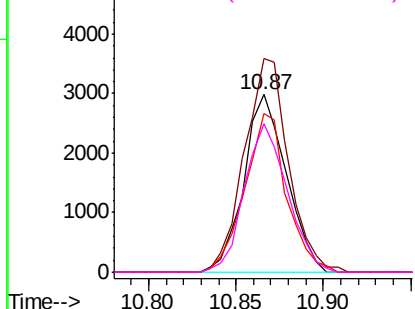
#64
Tetrachloroethene
Concen: 3.551 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005491.D
Acq: 18 Sep 2018 20:28

Instrument :
MSVOA_W
ClientSampleId :
PHASE-1RE

Tgt Ion:164 Resp: 5049
Ion Ratio Lower Upper
164 100
166 120.3 104.0 156.0
129 89.1 74.9 112.3
131 83.3 75.3 112.9

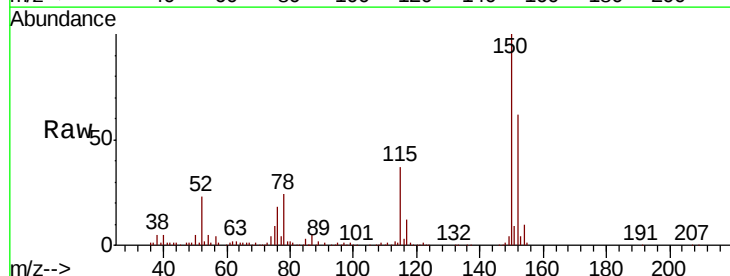


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

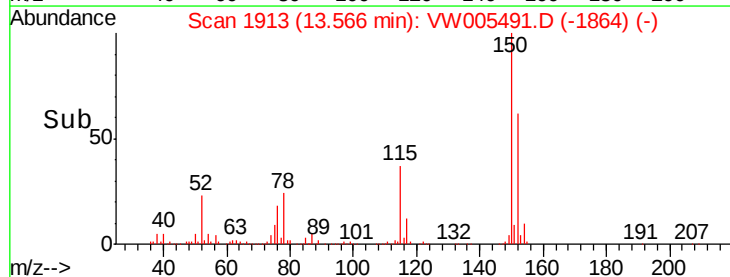
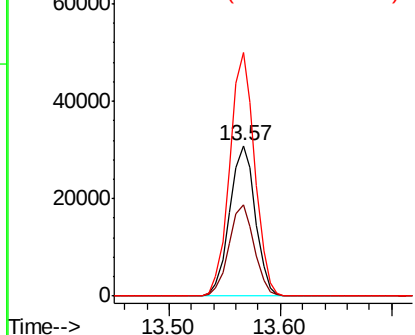


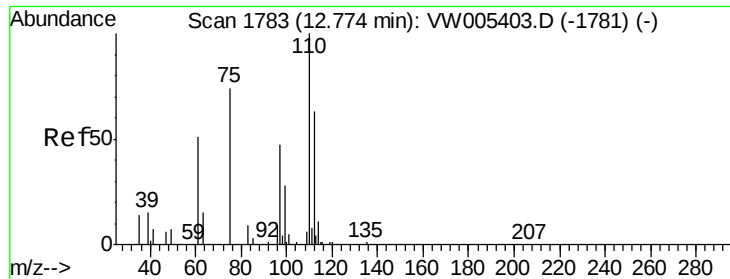
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005491.D
Acq: 18 Sep 2018 20:28

Tgt Ion:152 Resp: 49315
Ion Ratio Lower Upper
152 100
115 60.0 29.5 88.5
150 156.5 0.0 345.6



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

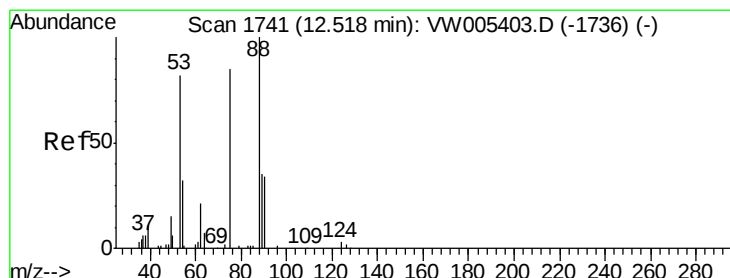
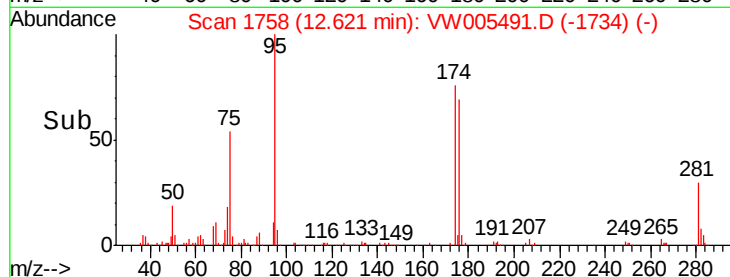
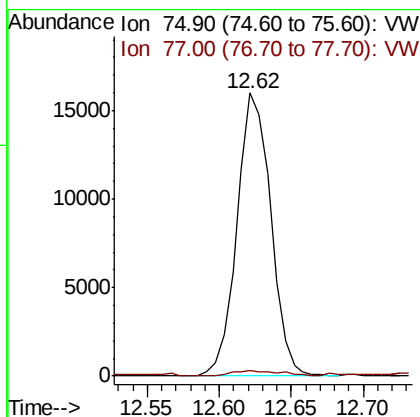
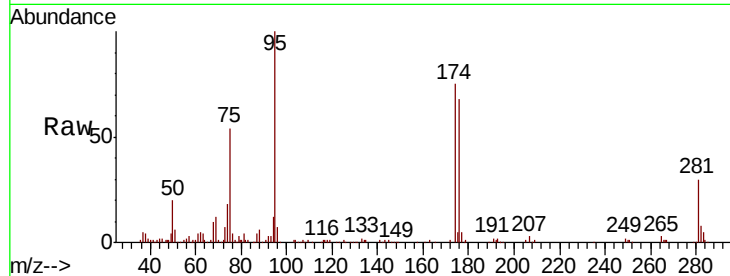




#76
 1,2,3-Trichloropropane
 Concen: 64.395 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005491.D
 Acq: 18 Sep 2018 20:28

Instrument :
 MSVOA_W
 ClientSampleId :
 PHASE-1RE

Tgt Ion: 75 Resp: 26119
 Ion Ratio Lower Upper
 75 100
 77 2.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 167.045 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005491.D
 Acq: 18 Sep 2018 20:28

Tgt Ion: 75 Resp: 26119
 Ion Ratio Lower Upper
 75 100
 53 0.6 83.2 124.8#
 89 0.4 36.6 54.8#

