

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
 Data File : VW004545.D
 Acq On : 08 Aug 2018 23:18
 Operator : SY/AP
 Sample : J4313-11RE
 Misc : 4.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-10RE

Quant Time: Aug 09 05:17:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	256294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	419784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	132399	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	228745	80.63	ug/l	0.00
Spiked Amount			Recovery	=	161.26%	
35) Dibromofluoromethane	7.88	113	186894	66.77	ug/l	0.00
Spiked Amount			Recovery	=	133.54%	
50) Toluene-d8	10.33	98	457672	42.89	ug/l	0.00
Spiked Amount			Recovery	=	85.78%	
62) 4-Bromofluorobenzene	12.62	95	124044	32.27	ug/l	0.00
Spiked Amount			Recovery	=	64.54%	

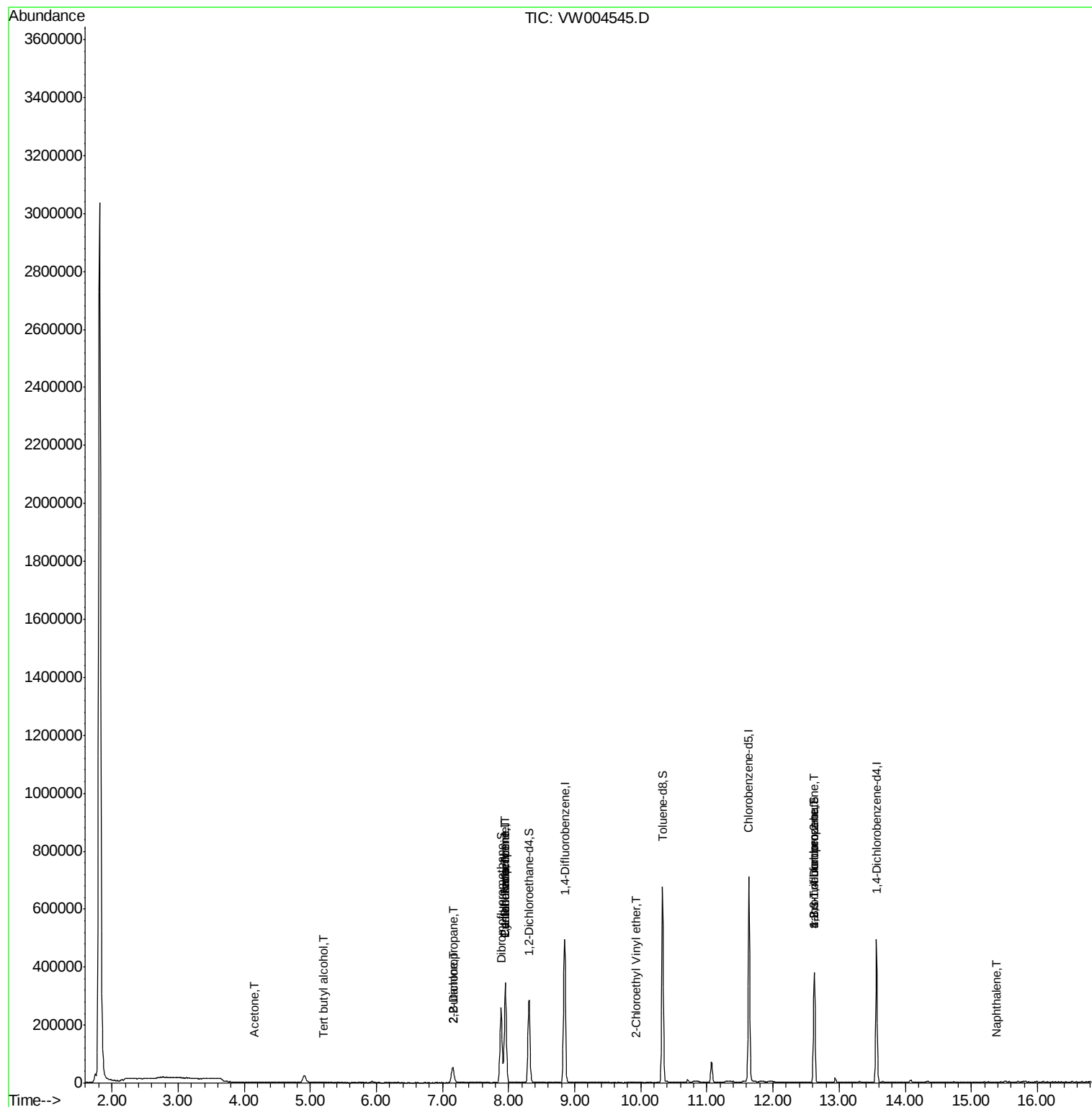
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	175	1.053	ug/l #	70
16) Acetone	4.14	43	2698	3.808	ug/l	91
20) Methylene Chloride	4.91	84	20890	Below Cal		91
25) 2-Butanone	7.16	43	3157	2.770	ug/l	91
26) 2,2-Dichloropropane	7.16	77	3908	1.341	ug/l #	50
31) Cyclohexane	7.95	56	5528	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20742	4.589	ug/l #	49
38) Carbon Tetrachloride	7.95	117	25444	6.256	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.93	63	82	8.995	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	59699	43.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59699	104.312	ug/l #	12
95) Naphthalene	15.38	128	618	3.013	ug/l #	80

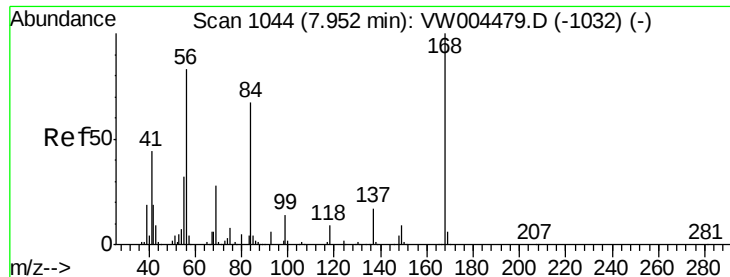
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

Instrument :

MSVOA_W

ClientSampled :

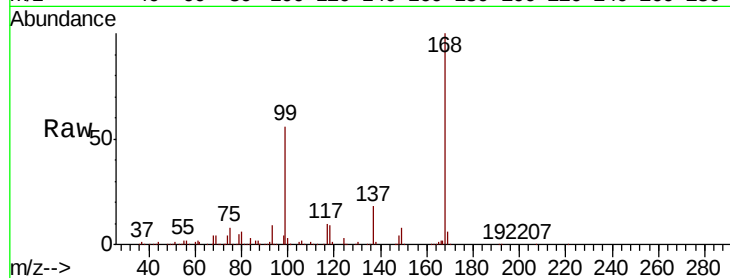
C-10RE

Tgt Ion: 168 Resp: 256294

Ion Ratio Lower Upper

168 100

99 56.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

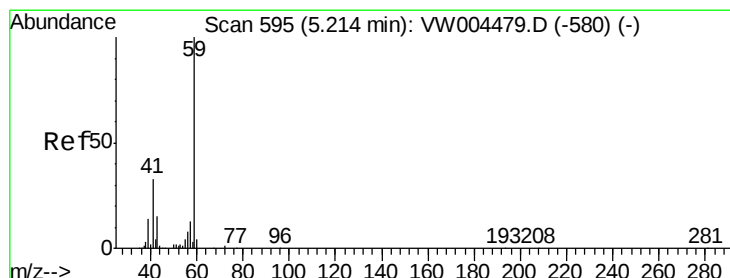
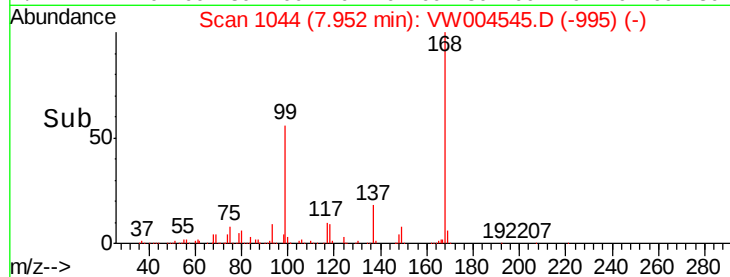
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.053 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VW004545.D

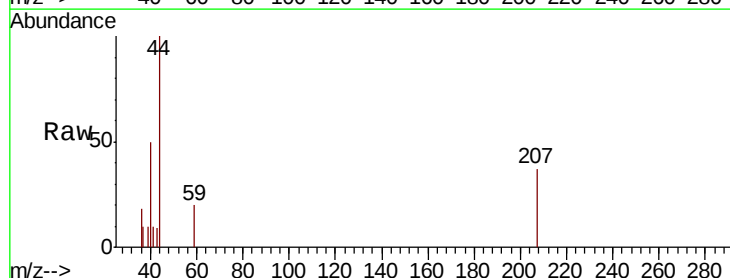
Acq: 08 Aug 2018 23:18

Tgt Ion: 59 Resp: 175

Ion Ratio Lower Upper

59 100

57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

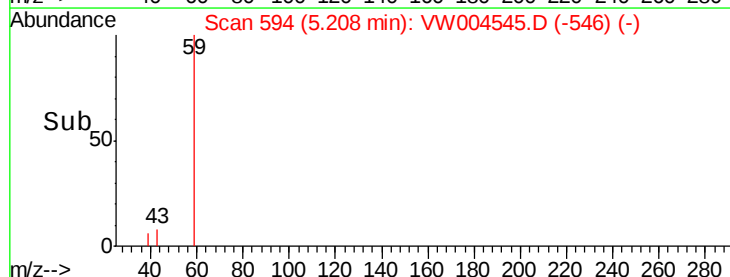
150

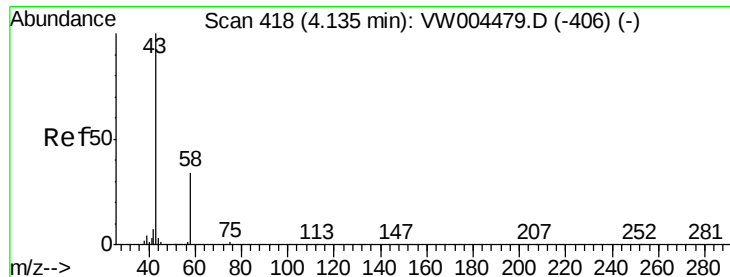
100

50

0

Time-->





#16

Acetone

Concen: 3.808 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

Instrument :

MSVOA_W

ClientSampled :

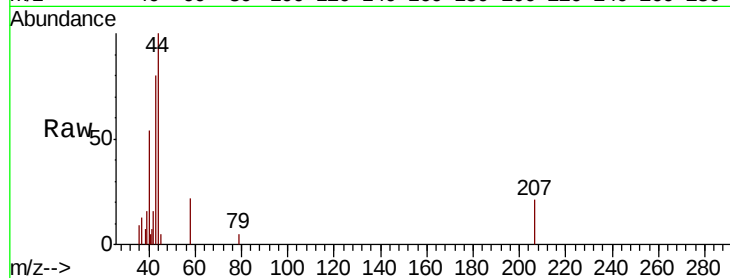
C-10RE

Tgt Ion: 43 Resp: 2698

Ion Ratio Lower Upper

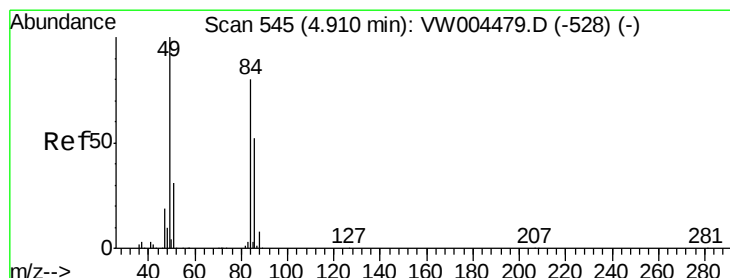
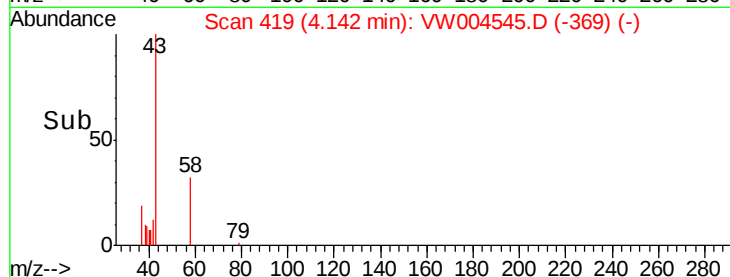
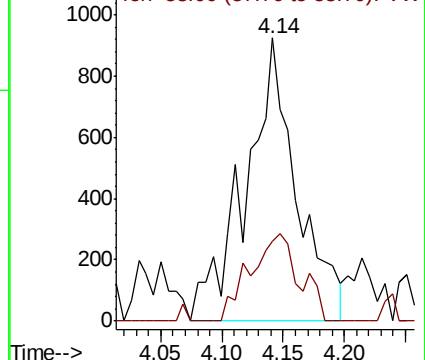
43 100

58 28.1 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

Tgt Ion: 84 Resp: 20890

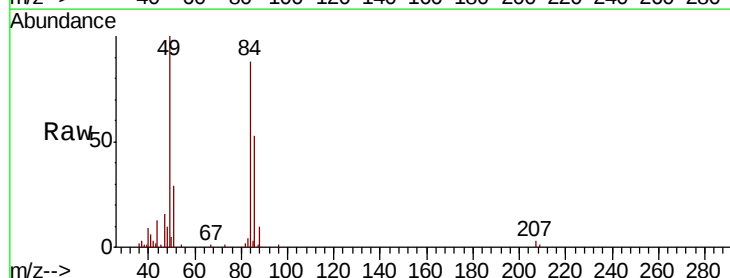
Ion Ratio Lower Upper

84 100

49 113.1 99.6 149.4

51 32.3 31.0 46.4

86 60.0 51.5 77.3

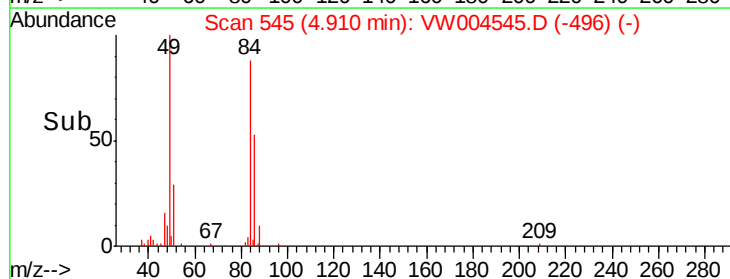
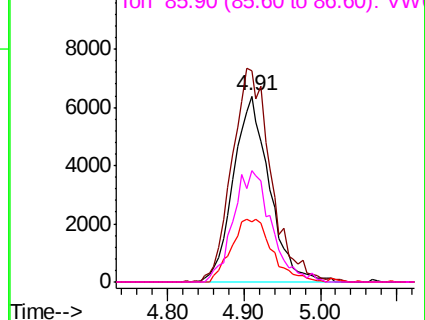


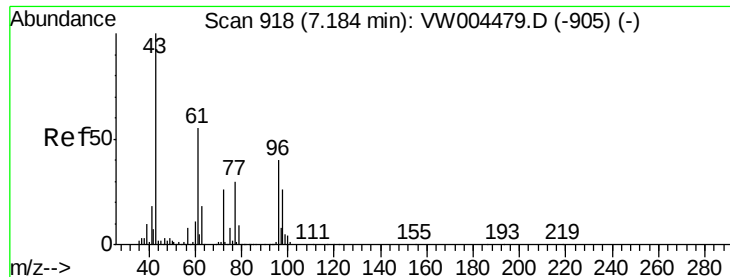
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.770 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

Instrument :

MSVOA_W

ClientSampled :

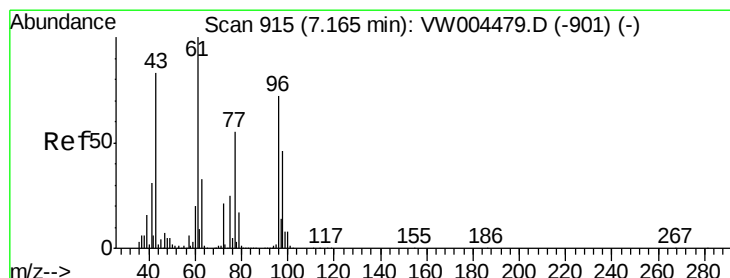
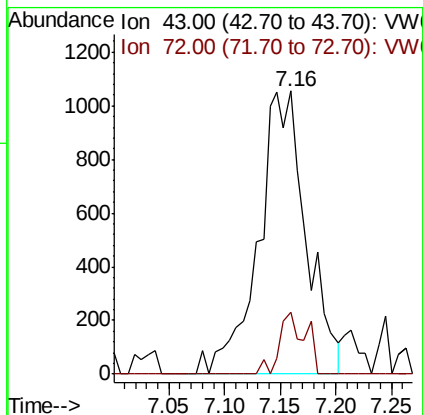
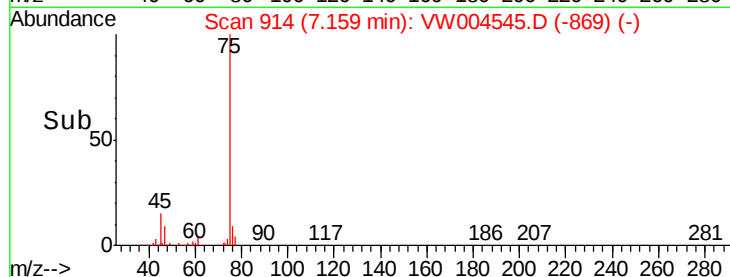
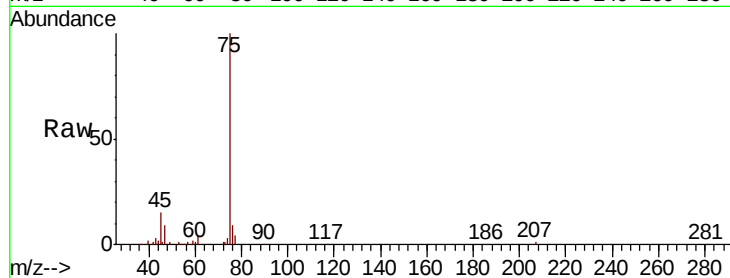
C-10RE

Tgt Ion: 43 Resp: 3157

Ion Ratio Lower Upper

43 100

72 21.9 21.0 31.6



#26

2,2-Dichloropropane

Concen: 1.341 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW004545.D

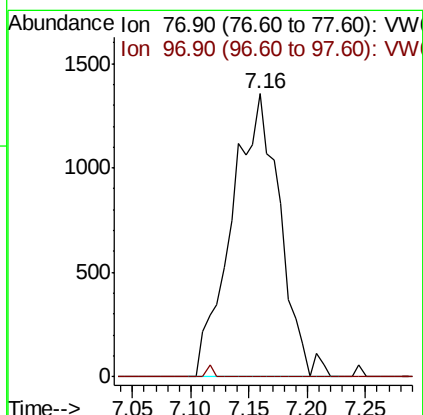
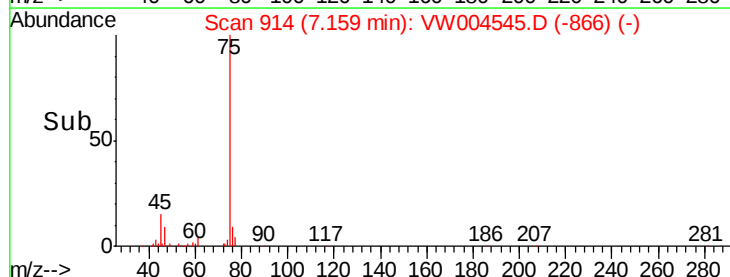
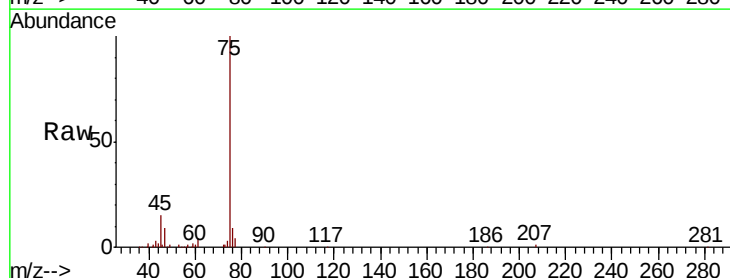
Acq: 08 Aug 2018 23:18

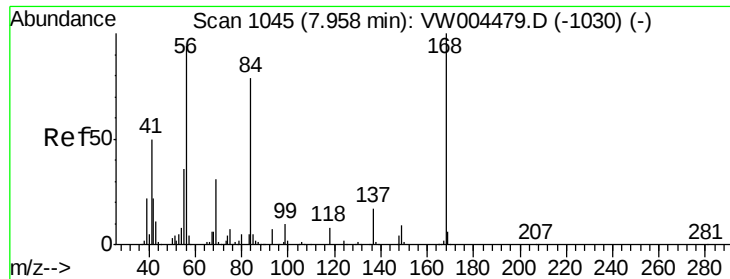
Tgt Ion: 77 Resp: 3908

Ion Ratio Lower Upper

77 100

97 0.0 12.5 37.5#





#31

Cyclohexane

Concen: 1.040 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

C-10RE

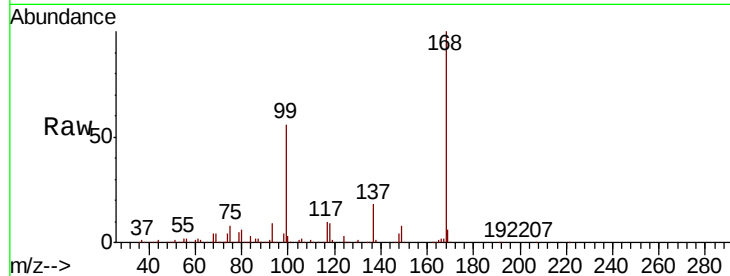
Tgt Ion: 56 Resp: 5528

Ion Ratio Lower Upper

56 100

69 192.9 26.4 39.6#

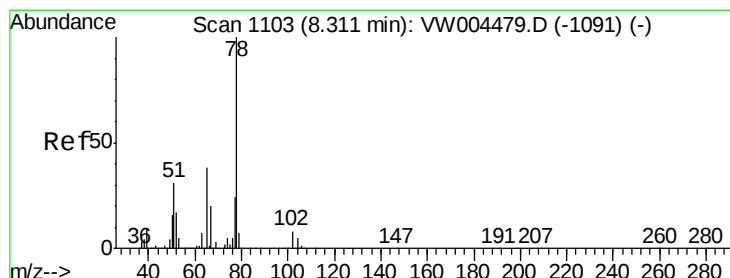
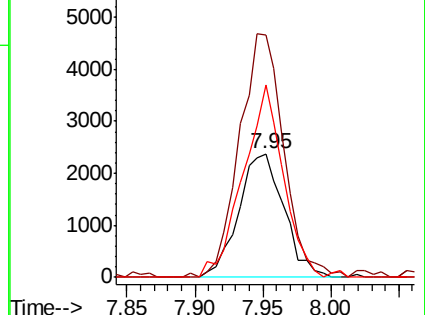
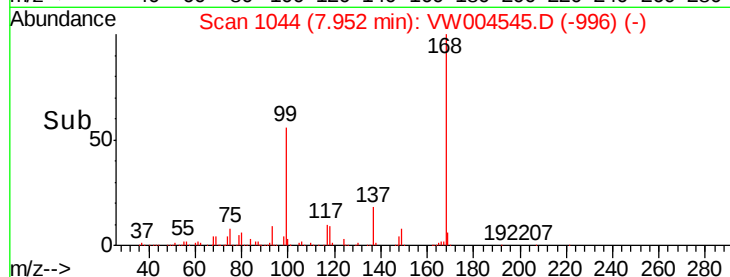
84 155.9 66.9 100.3#



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: 80.626 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004545.D

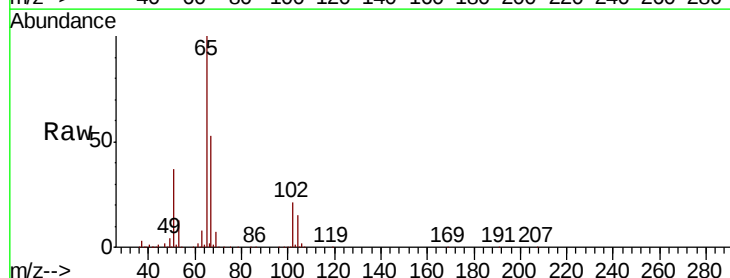
Acq: 08 Aug 2018 23:18

Tgt Ion: 65 Resp: 228745

Ion Ratio Lower Upper

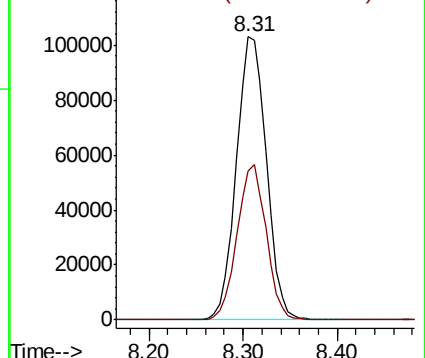
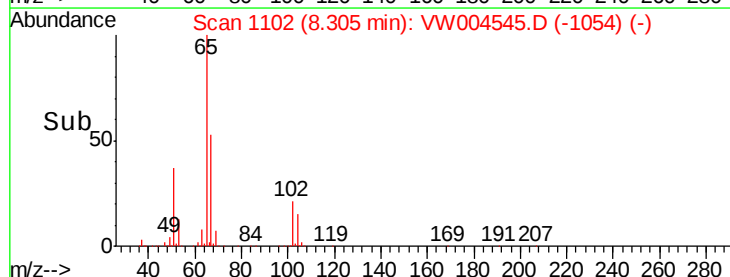
65 100

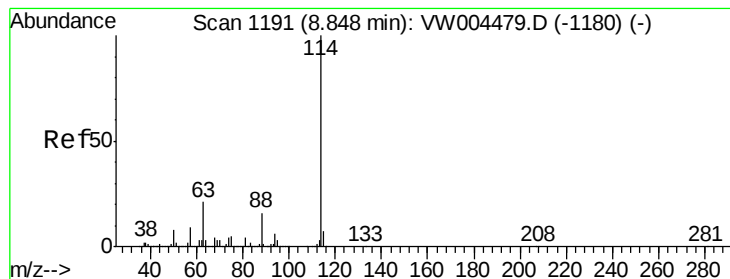
67 53.2 0.0 109.0



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# 1191

Delta R.T. 0.00 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

Instrument :

MSVOA_W

ClientSampled :

C-10RE

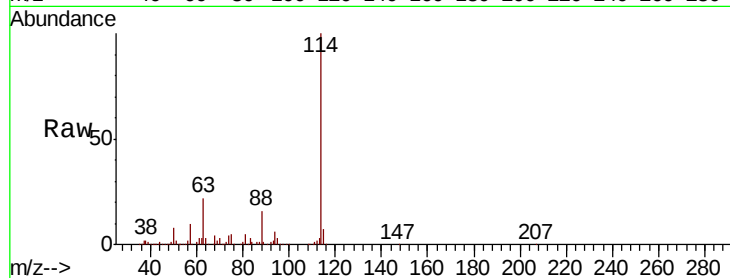
Tgt Ion:114 Resp: 419784

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

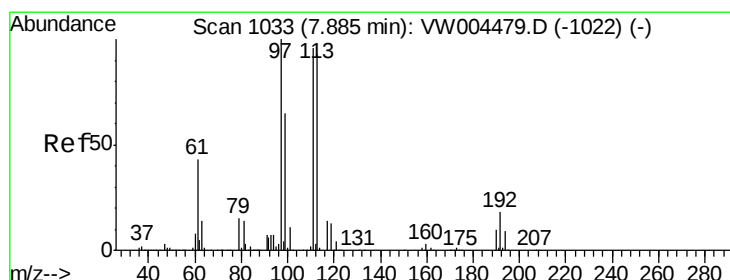
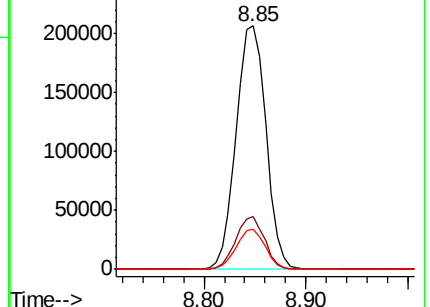
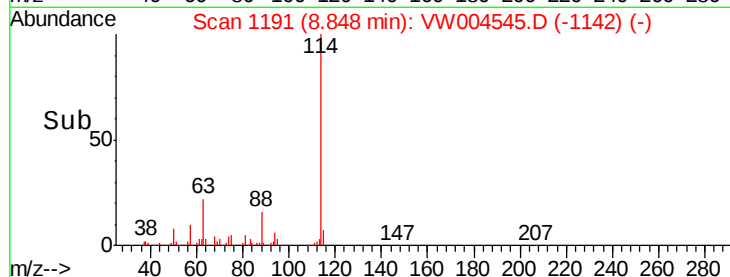
88 16.4 0.0 31.2



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: 66.772 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

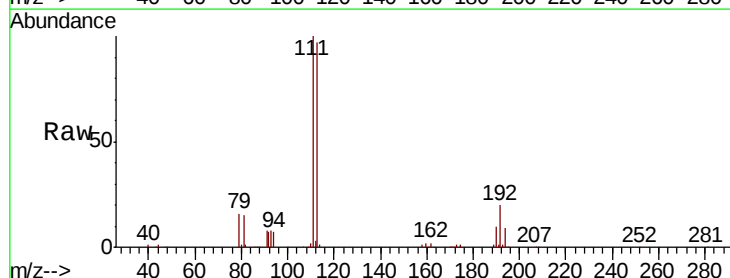
Tgt Ion:113 Resp: 186894

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

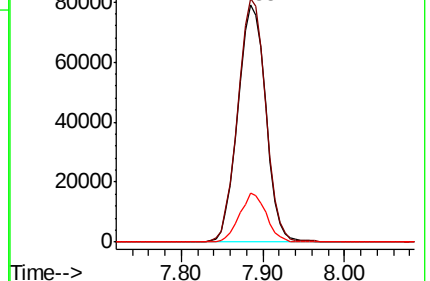
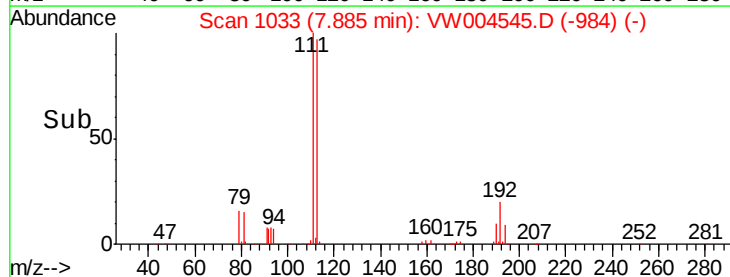
192 19.7 15.8 23.6

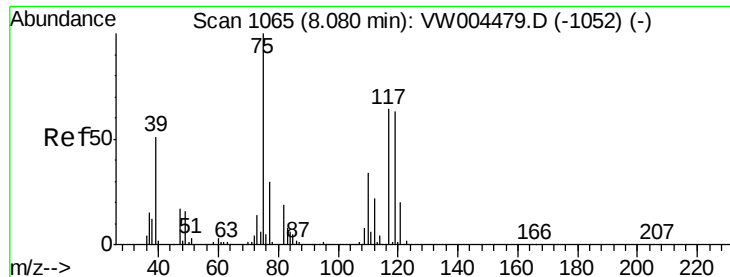


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.589 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

C-10RE

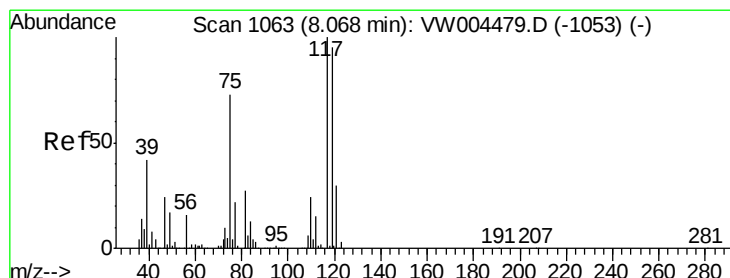
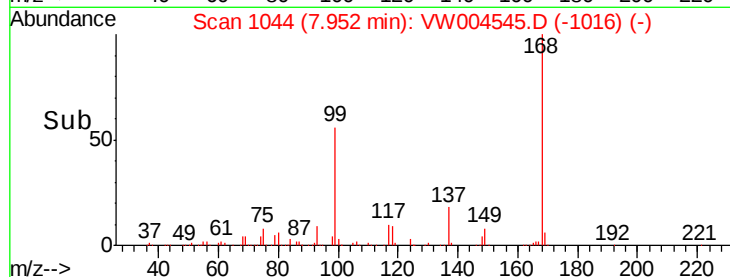
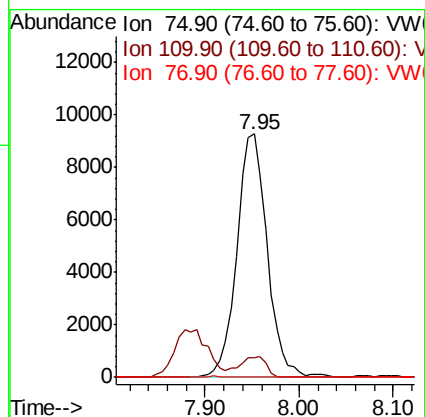
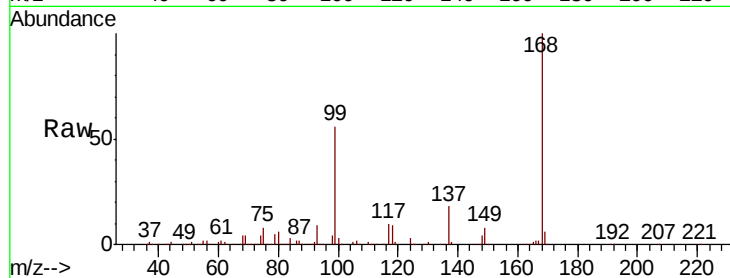
Tgt Ion: 75 Resp: 20742

Ion Ratio Lower Upper

75 100

110 7.6 17.4 52.2#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.256 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

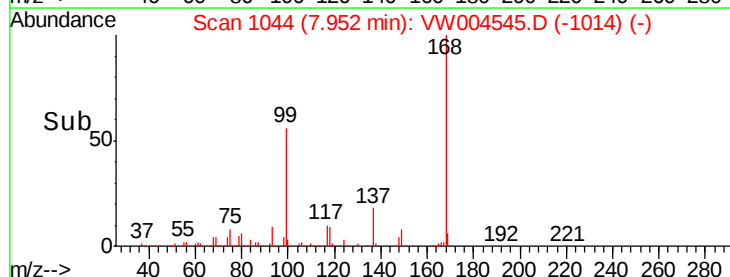
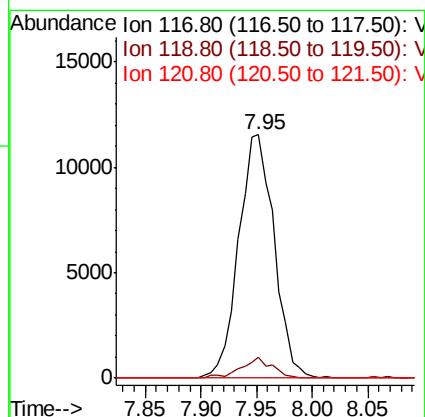
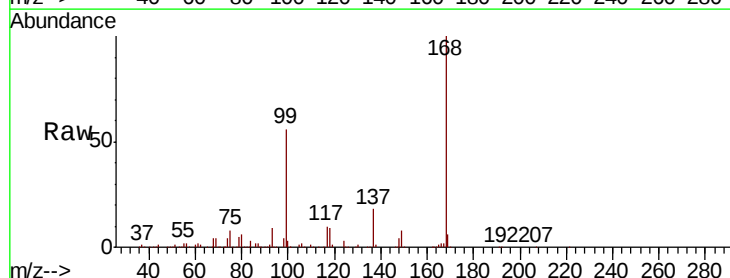
Tgt Ion: 117 Resp: 25444

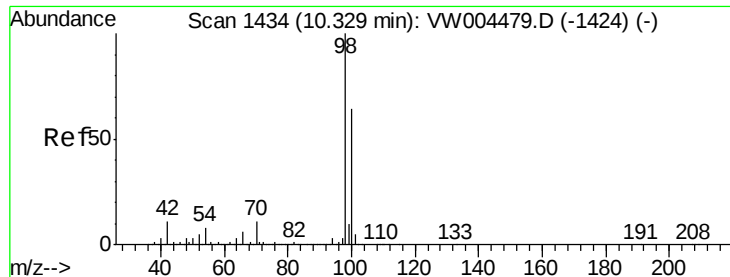
Ion Ratio Lower Upper

117 100

119 8.6 76.1 114.1#

121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 42.890 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

Instrument :

MSVOA_W

ClientSampled :

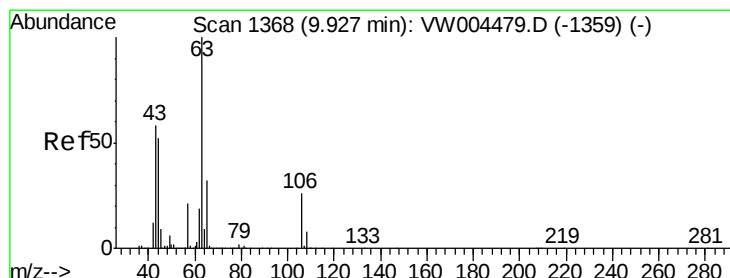
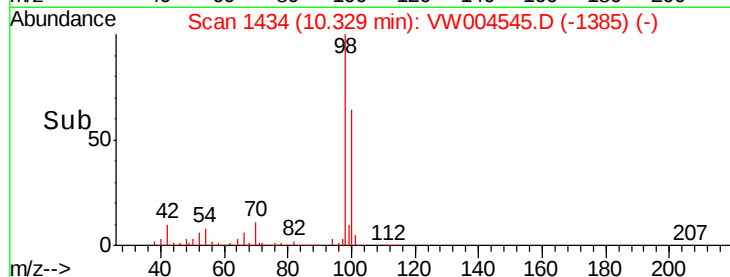
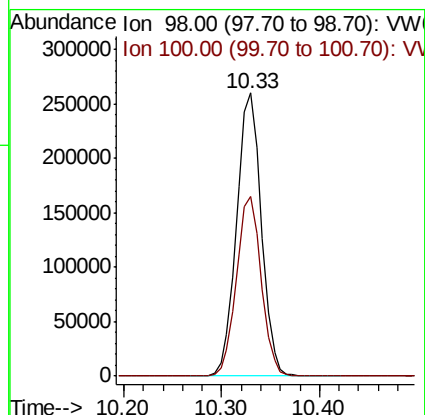
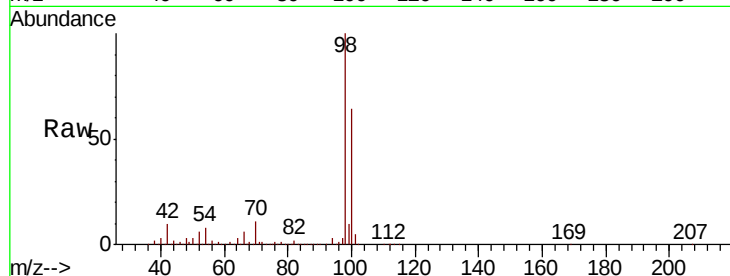
C-10RE

Tgt Ion: 98 Resp: 457672

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



#58

2-Chloroethyl Vinyl ether

Concen: 8.995 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VW004545.D

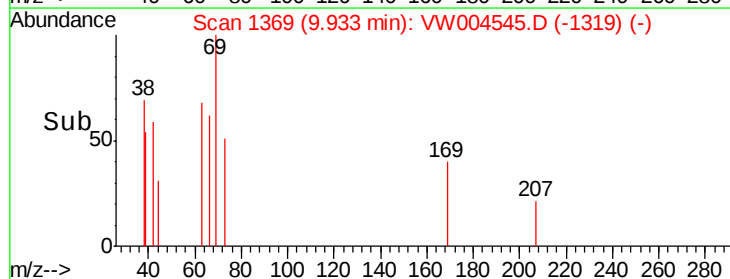
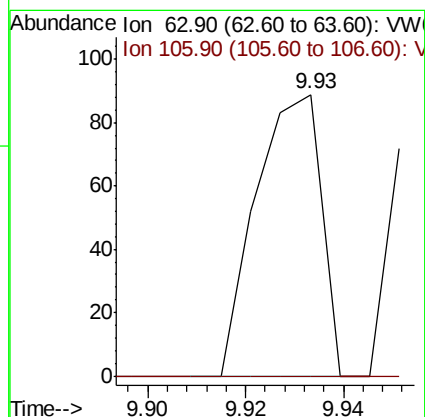
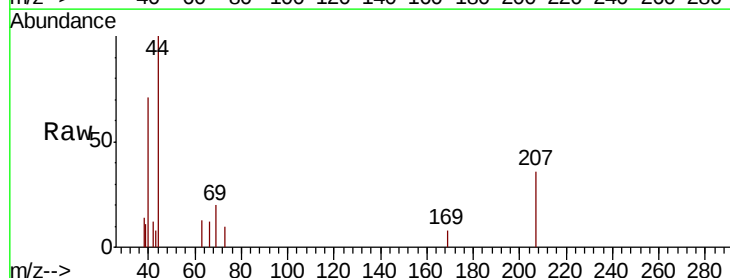
Acq: 08 Aug 2018 23:18

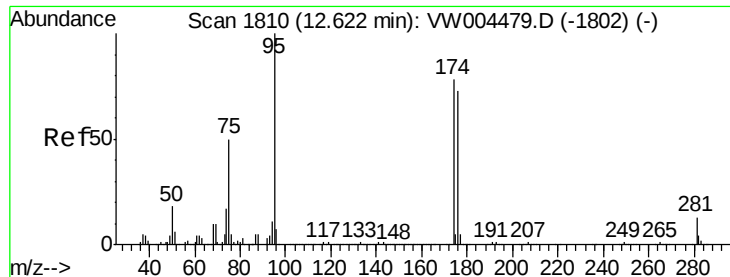
Tgt Ion: 63 Resp: 82

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#

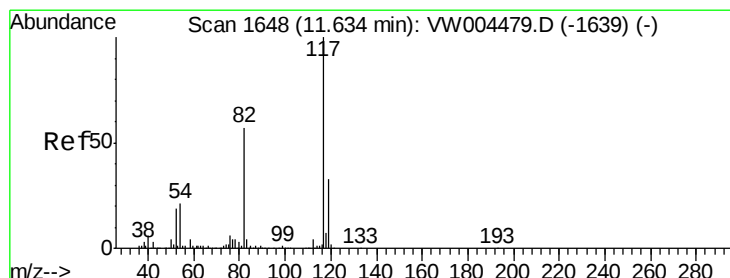
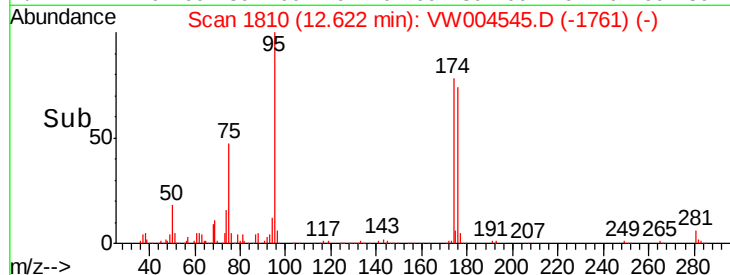
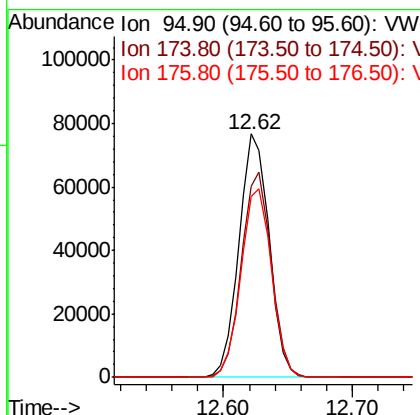
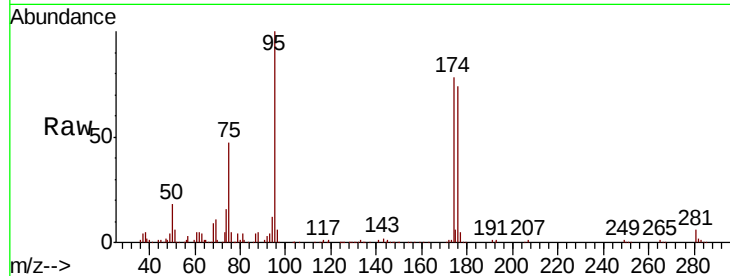




#62
4-Bromofluorobenzene
Concen: 32.271 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004545.D
Acq: 08 Aug 2018 23:18

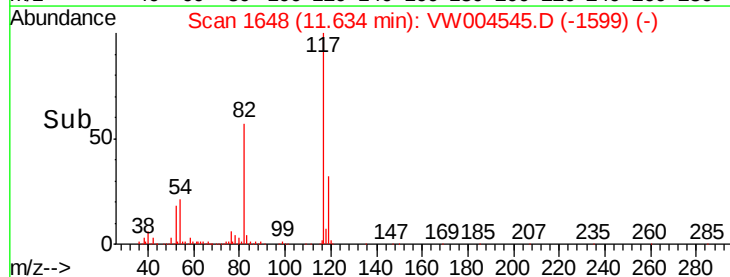
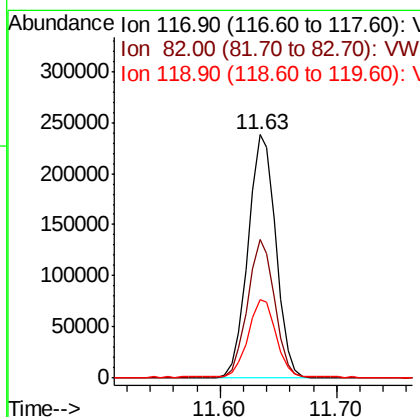
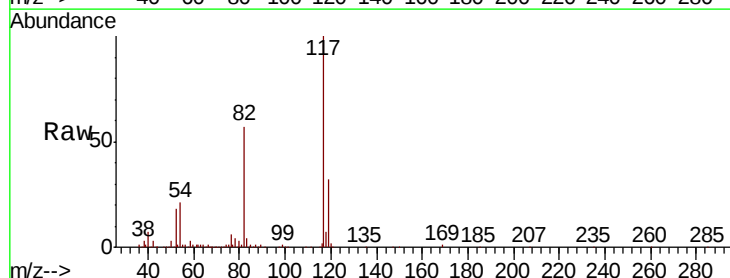
Instrument :
MSVOA_W
ClientSampled :
C-10RE

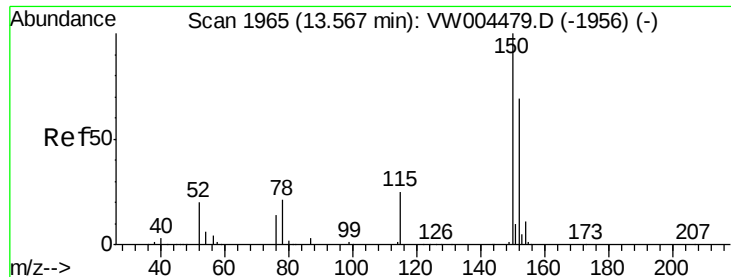
Tgt Ion: 95 Resp: 124044
Ion Ratio Lower Upper
95 100
174 83.3 0.0 160.4
176 78.5 0.0 153.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004545.D
Acq: 08 Aug 2018 23:18

Tgt Ion: 117 Resp: 397124
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 31.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004545.D

Acq: 08 Aug 2018 23:18

Instrument :

MSVOA_W

ClientSampleId :

C-10RE

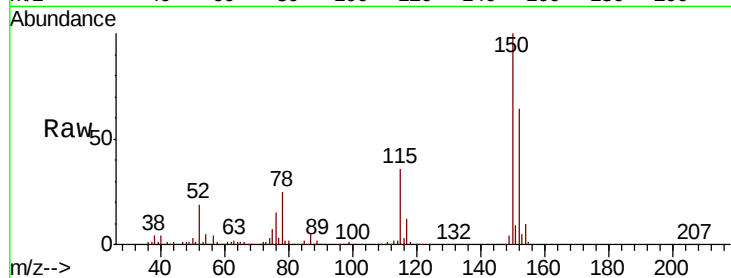
Tgt Ion:152 Resp: 132399

Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.3

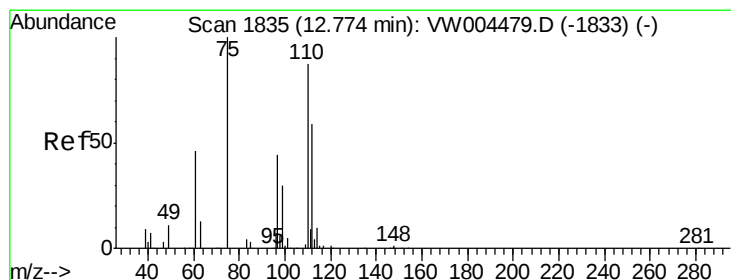
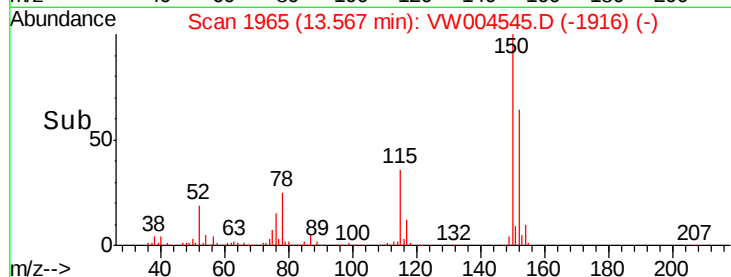
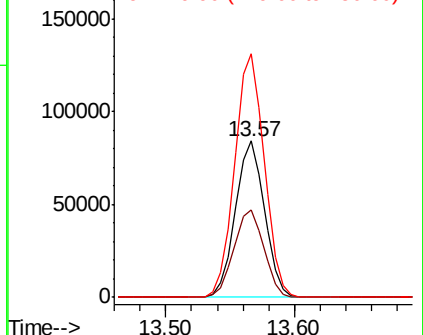
150 157.9 0.0 349.6



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: 43.575 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004545.D

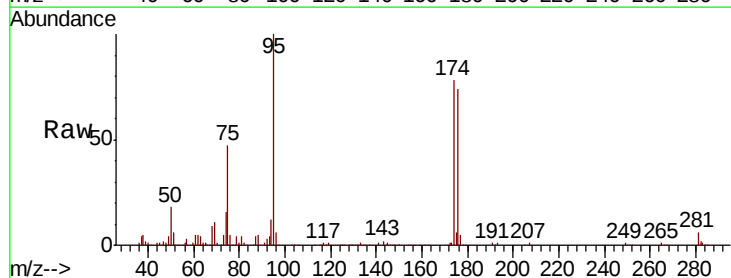
Acq: 08 Aug 2018 23:18

Tgt Ion: 75 Resp: 59699

Ion Ratio Lower Upper

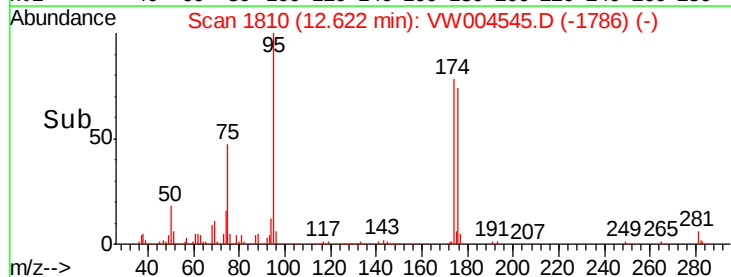
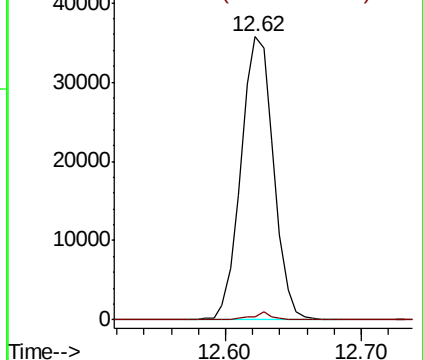
75 100

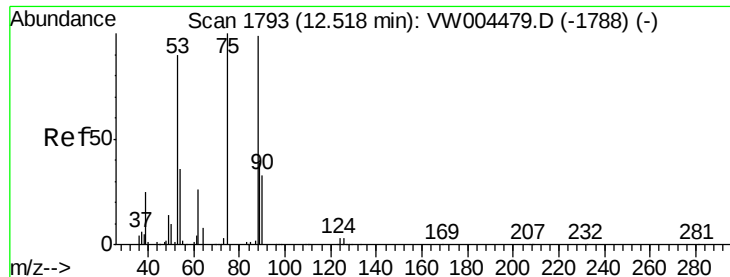
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

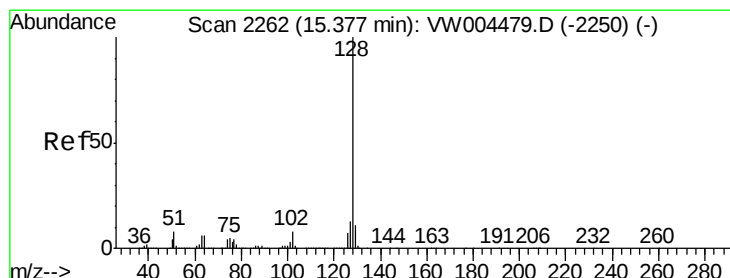
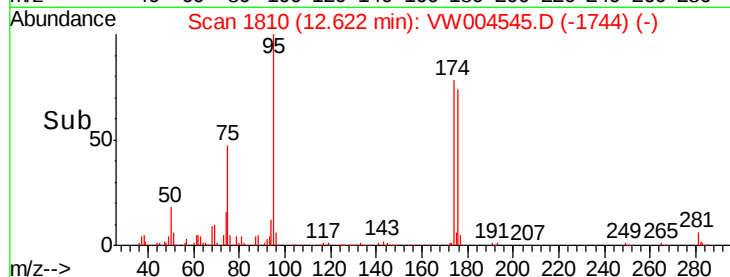
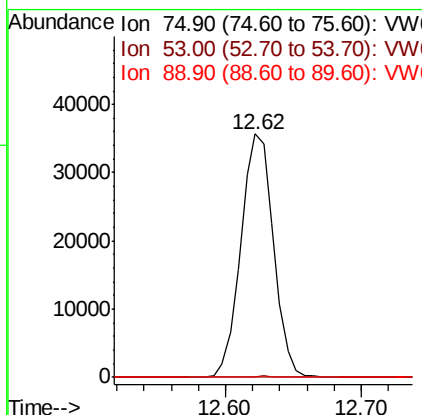
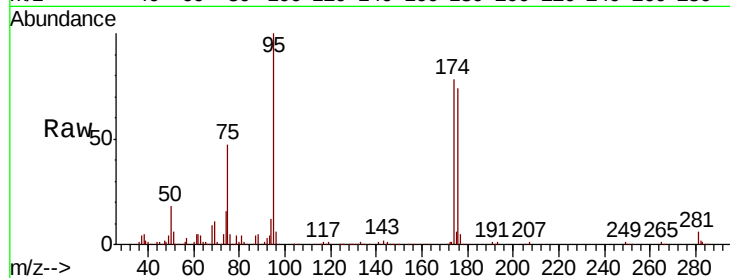




#81
trans-1,4-Dichloro-2-butene
Concen: 104.312 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004545.D
Acq: 08 Aug 2018 23:18

Instrument :
MSVOA_W
ClientSampleId :
C-10RE

Tgt Ion: 75 Resp: 59699
Ion Ratio Lower Upper
75 100
53 0.3 74.4 111.6#
89 0.0 35.9 53.9#



#95
Naphthalene
Concen: 3.013 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VW004545.D
Acq: 08 Aug 2018 23:18

Tgt Ion: 128 Resp: 618
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 8.9 8.6 13.0

