

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011403.D
 Acq On : 20 Jul 2019 04:50
 Operator : SY/VA
 Sample : K3835-09
 Misc : 5.71G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5(0-2)RE

Quant Time: Jul 20 05:57:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148380	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	102598	38.15	ug/l	0.00
Spiked Amount			Recovery	=	76.30%	
35) Dibromofluoromethane	7.88	113	83078	36.77	ug/l	0.00
Spiked Amount			Recovery	=	73.54%	
50) Toluene-d8	10.32	98	301939	33.06	ug/l	0.00
Spiked Amount			Recovery	=	66.12%	
62) 4-Bromofluorobenzene	12.62	95	110175	32.91	ug/l	0.00
Spiked Amount			Recovery	=	65.82%	

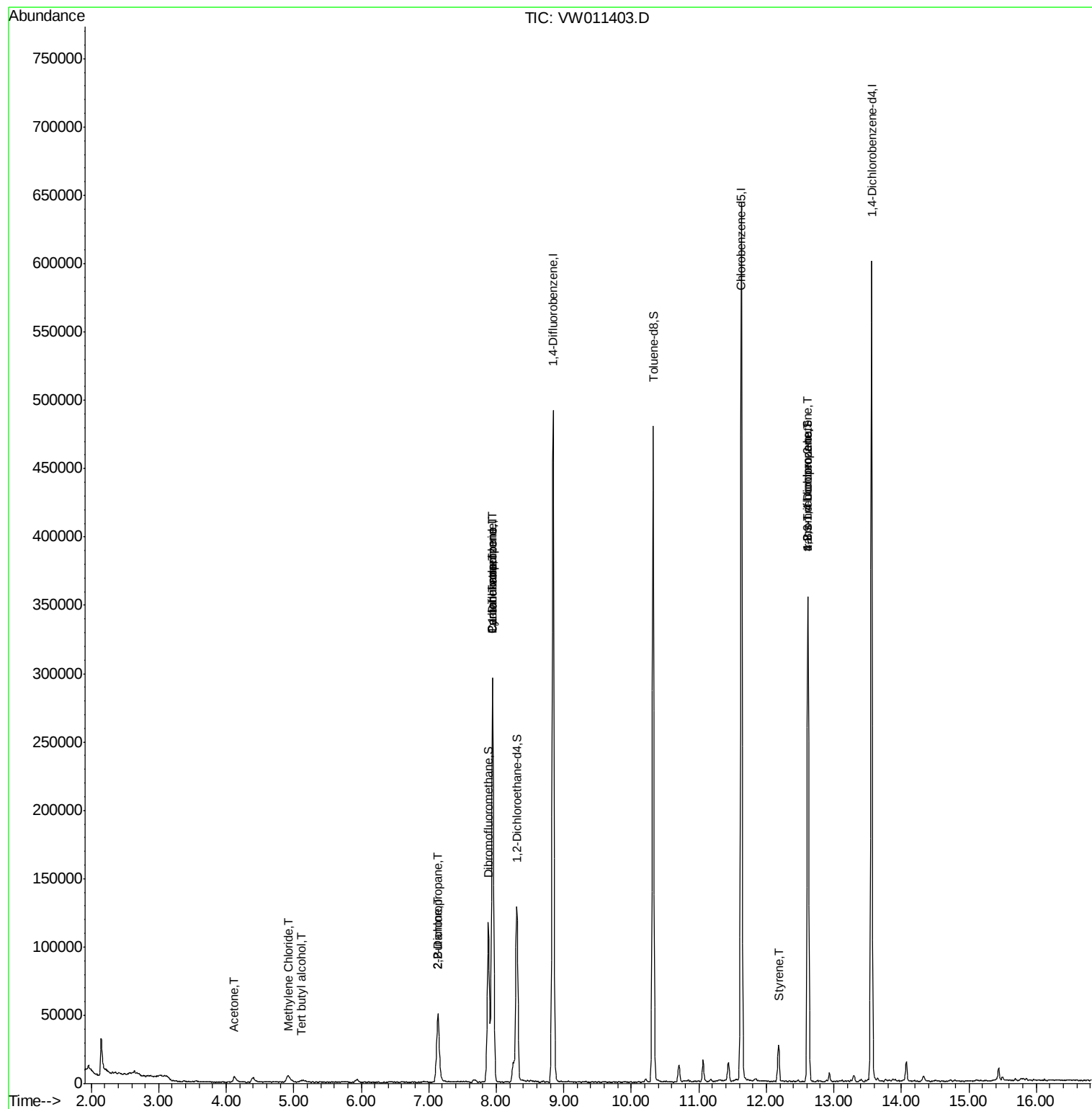
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1010	5.072	ug/l #	70
16) Acetone	4.12	43	7832	12.103	ug/l	98
18) Methyl Acetate	4.67	43	252	Below Cal	#	57
20) Methylene Chloride	4.92	84	3519	1.378	ug/l #	84
25) 2-Butanone	7.13	43	4038	3.975	ug/l	98
26) 2,2-Dichloropropane	7.13	77	3334	1.310	ug/l #	53
31) Cyclohexane	7.95	56	5464	1.049	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19415	4.809	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21460	6.270	ug/l #	16
70) Styrene	12.18	104	12222	1.608	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	59494	34.696	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59494	78.476	ug/l #	5

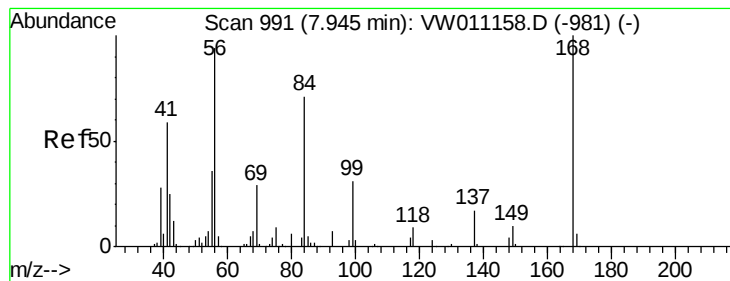
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011403.D

Acq: 20 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

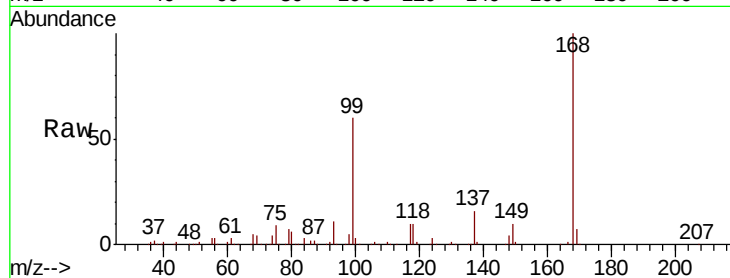
SB-5(0-2)RE

Tot Ion:168 Resp: 214035

Ion Ratio Lower Upper

168 100

99 60.3 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

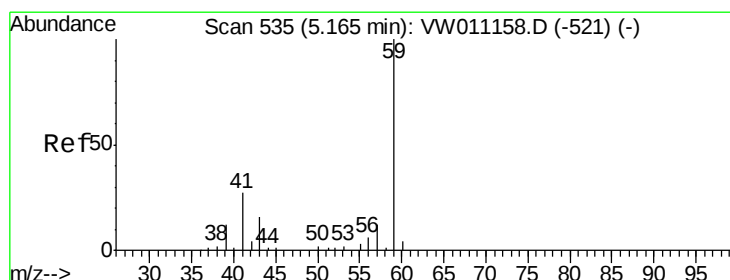
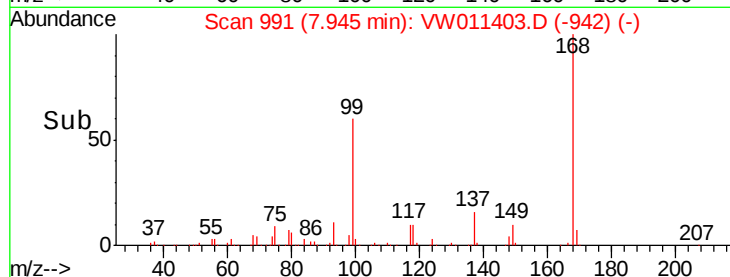
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.072 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011403.D

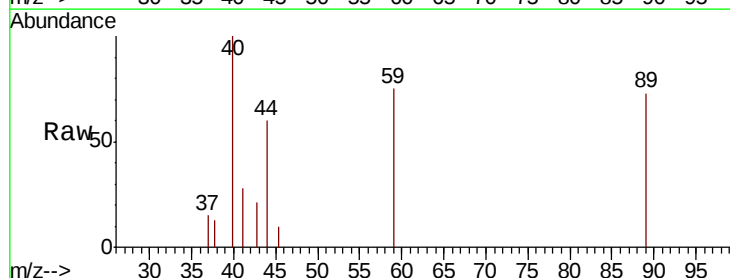
Acq: 20 Jul 2019 04:50

Tgt Ion: 59 Resp: 1010

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

500

400

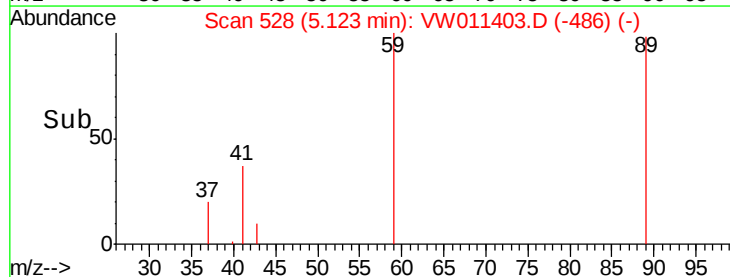
300

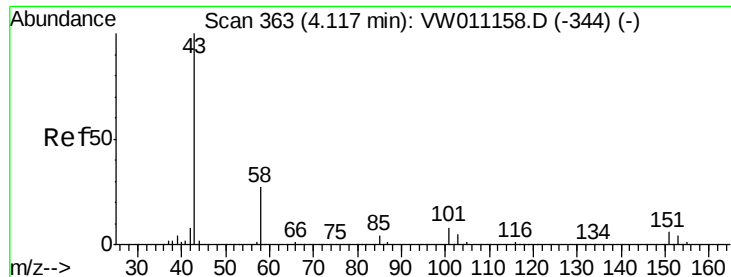
200

100

0

Time-->





#16

Acetone

Concen: 12.103 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011403.D

Acq: 20 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

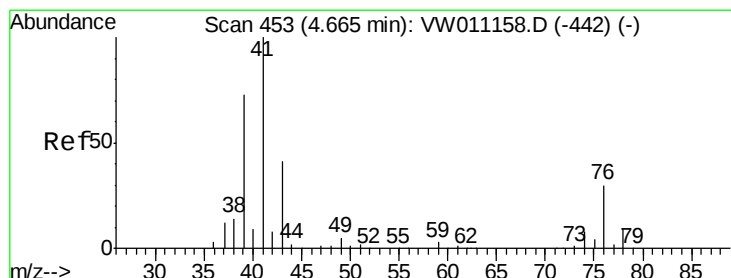
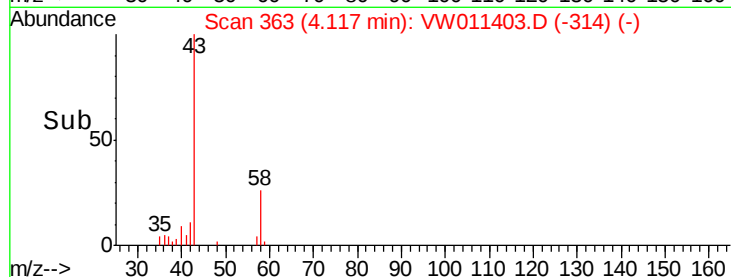
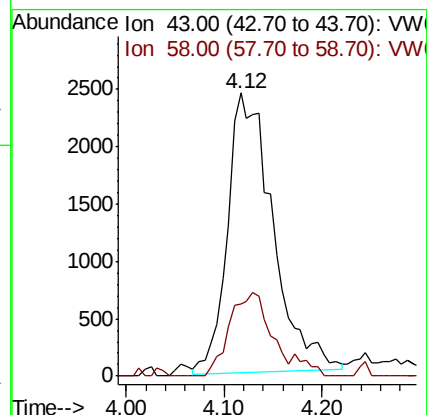
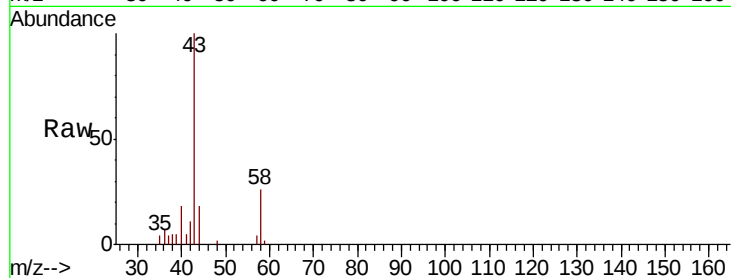
SB-5(0-2)RE

Tot Ion: 43 Resp: 7832

Ion Ratio Lower Upper

43 100

58 26.2 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011403.D

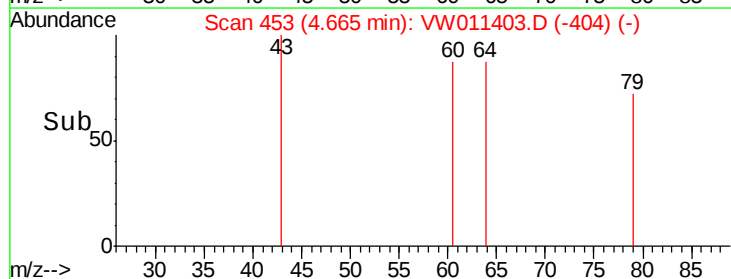
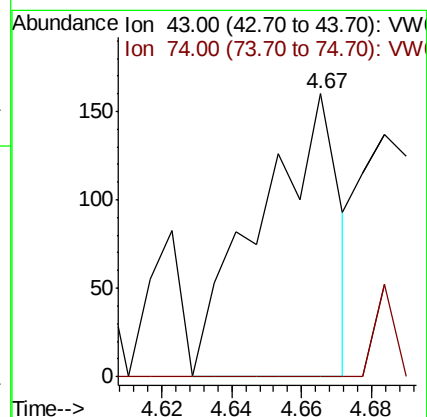
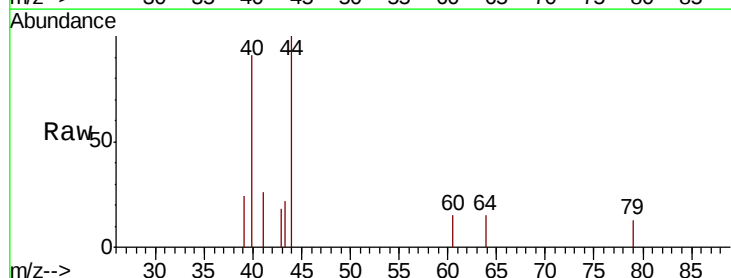
Acq: 20 Jul 2019 04:50

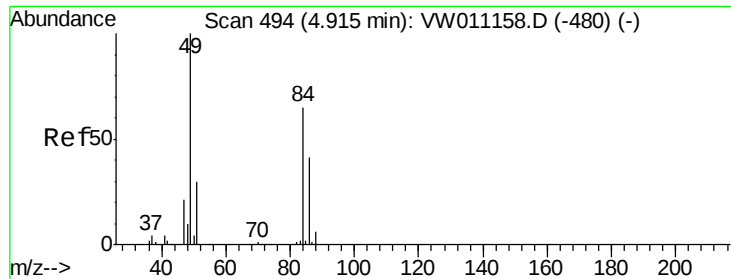
Tgt Ion: 43 Resp: 252

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

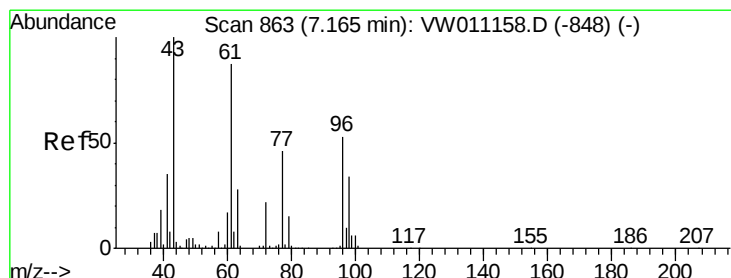
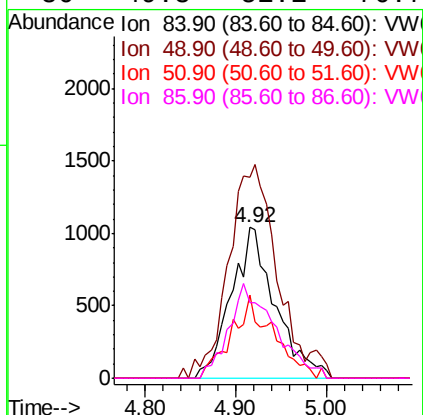
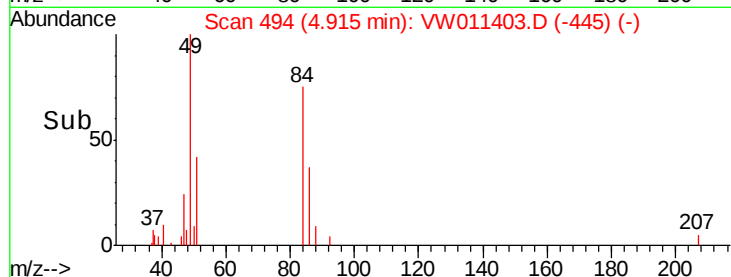
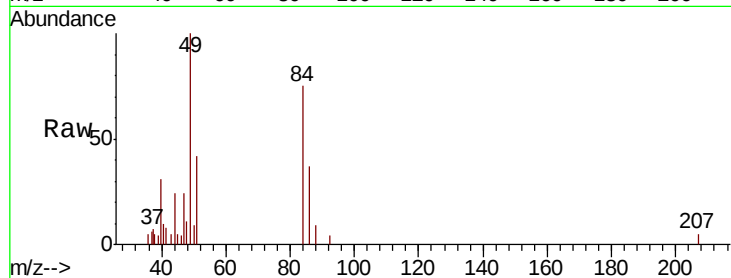




#20
Methvlene Chloride
Concen: 1.378 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011403.D
Acq: 20 Jul 2019 04:50

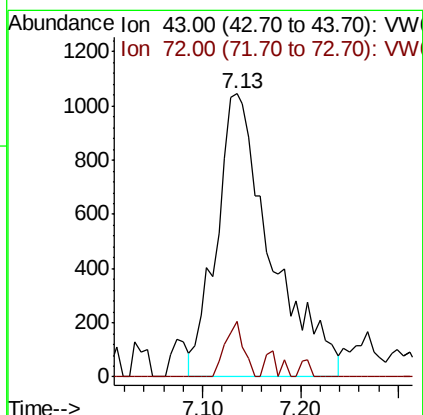
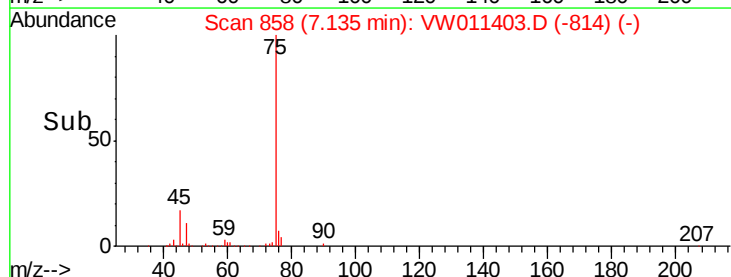
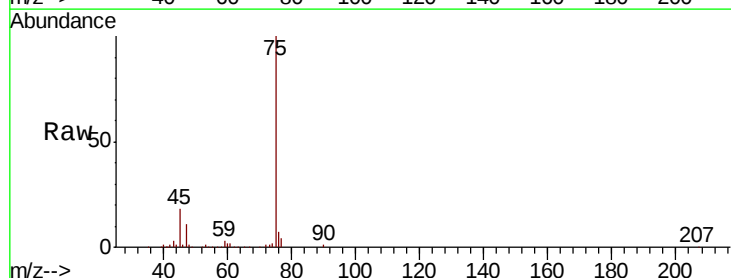
Instrument :
MSVOA_W
ClientSampled :
SB-5(0-2)RE

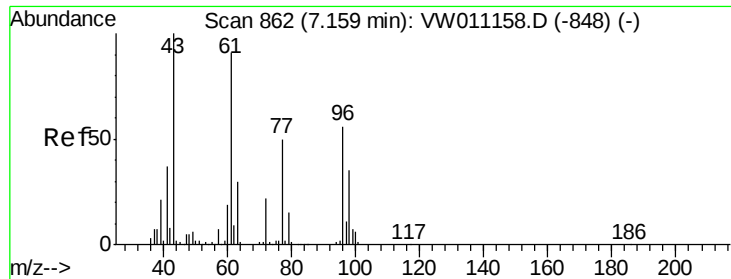
Tot Ion: 84 Resp: 3519
Ion Ratio Lower Upper
84 100
49 133.0 123.8 185.6
51 55.5 37.4 56.2
86 49.8 51.1 76.7#



#25
2-Butanone
Concen: 3.975 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011403.D
Acq: 20 Jul 2019 04:50

Tgt Ion: 43 Resp: 4038
Ion Ratio Lower Upper
43 100
72 21.2 17.6 26.4





#26

2,2-Dichloropropane

Concen: 1.310 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011403.D

Acq: 20 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampled :

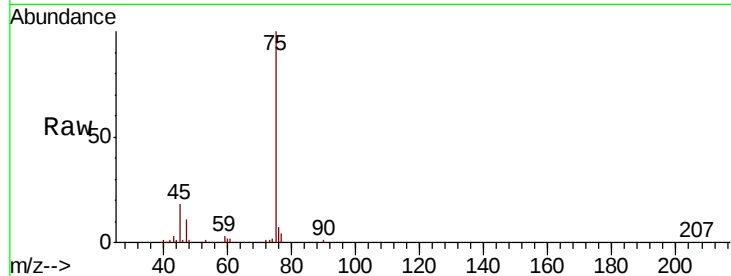
SB-5(0-2)RE

Tot Ion: 77 Resp: 3334

Ion Ratio Lower Upper

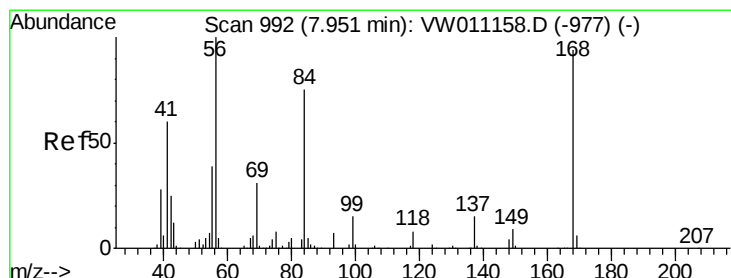
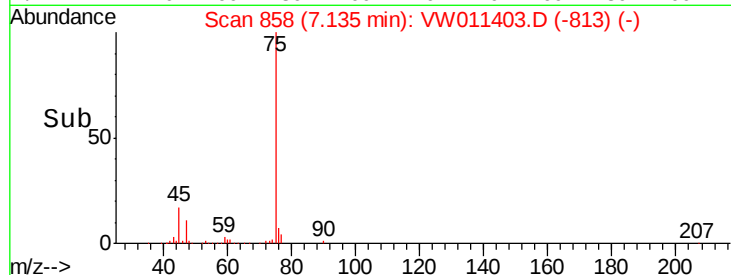
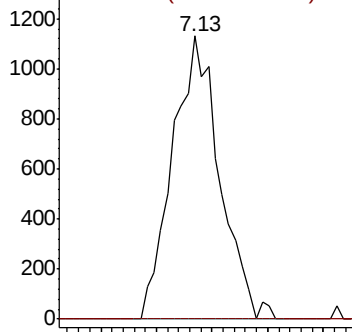
77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.049 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011403.D

Acq: 20 Jul 2019 04:50

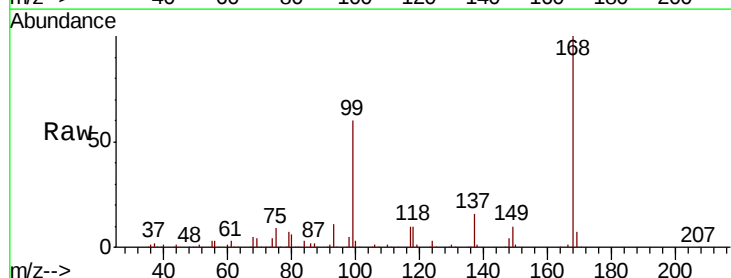
Tgt Ion: 56 Resp: 5464

Ion Ratio Lower Upper

56 100

69 169.2 24.6 36.8#

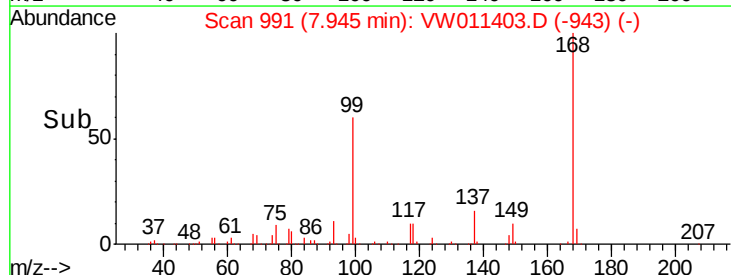
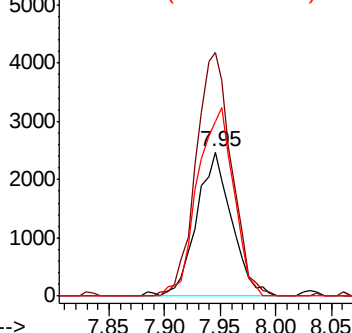
84 121.6 60.1 90.1#

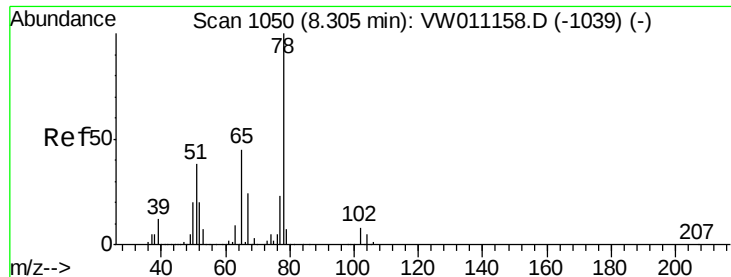


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

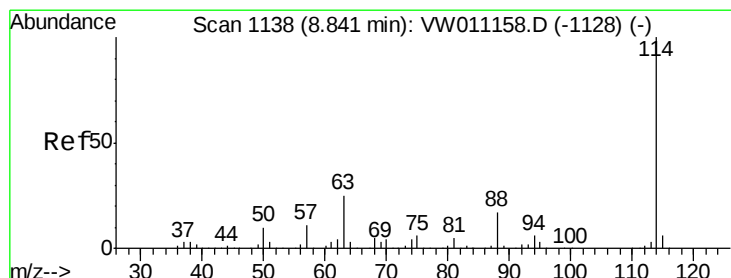
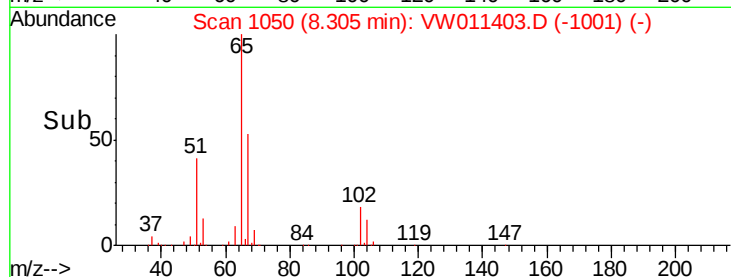
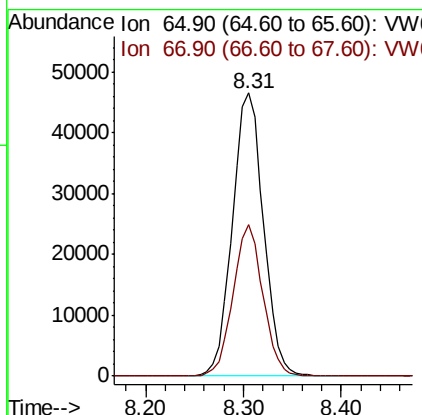
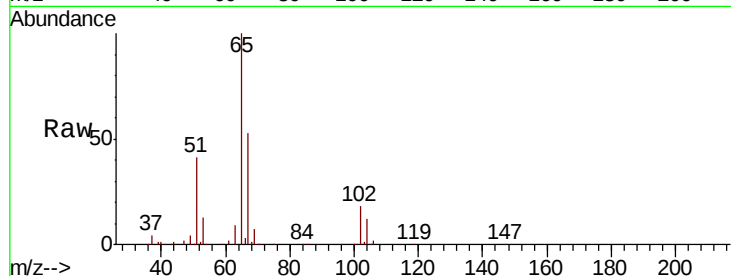




#33
 1,2-Dichloroethane-d4
 Concen: 38.149 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011403.D
 Acq: 20 Jul 2019 04:50

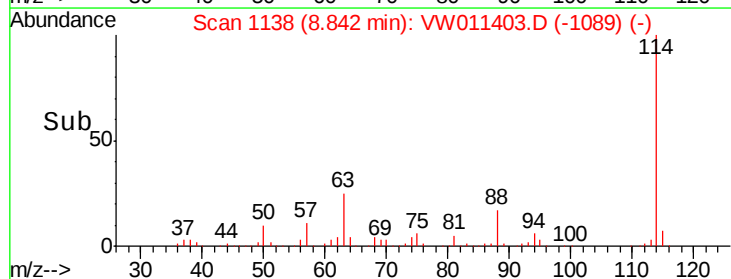
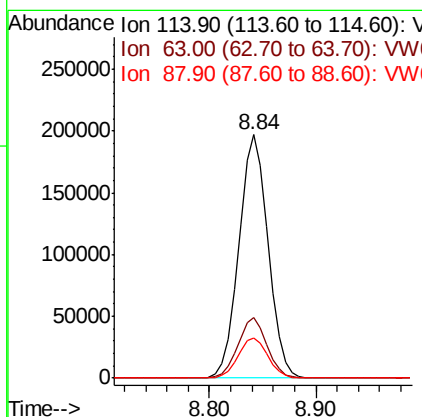
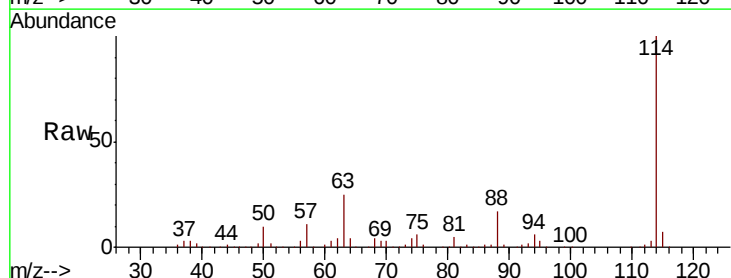
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5(0-2)RE

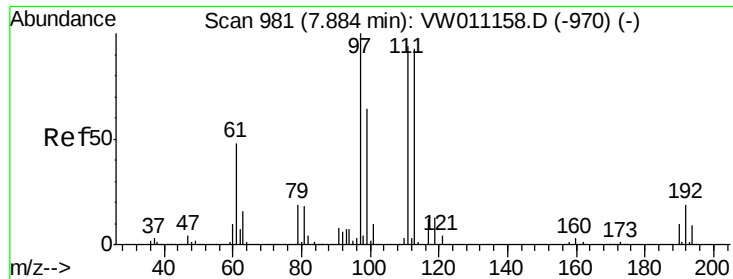
Tot Ion: 65 Resp: 102598
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011403.D
 Acq: 20 Jul 2019 04:50

Tgt Ion: 114 Resp: 379114
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.8
 88 16.6 0.0 34.2

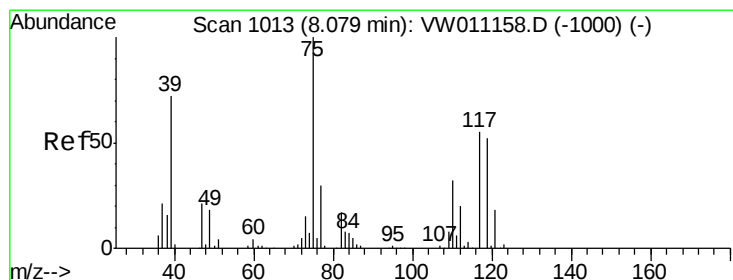
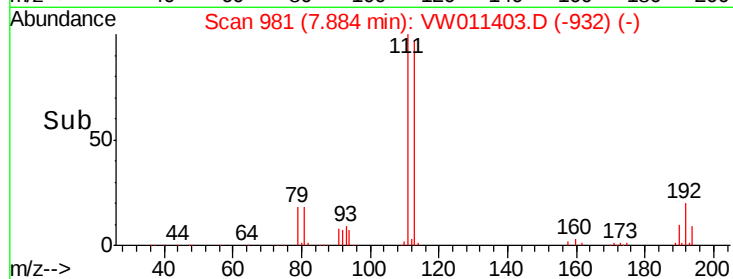
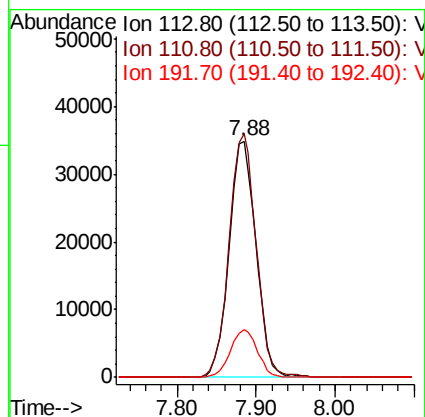
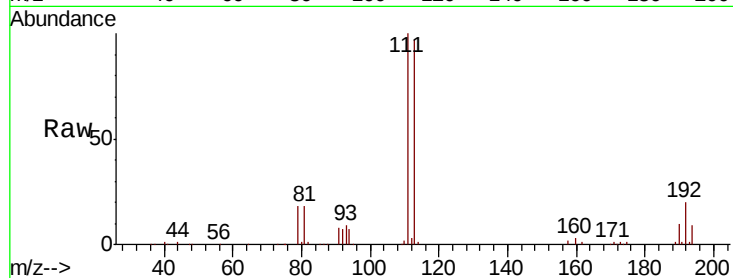




#35
 Dibromofluoromethane
 Concen: 36.765 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011403.D
 Acq: 20 Jul 2019 04:50

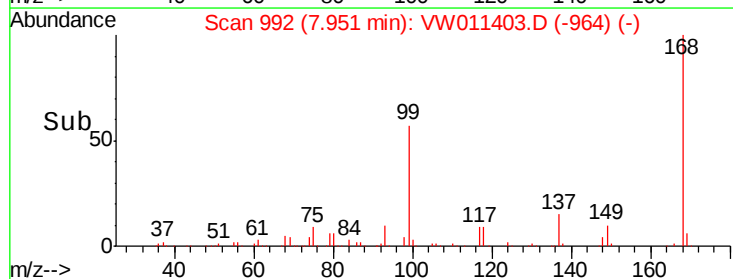
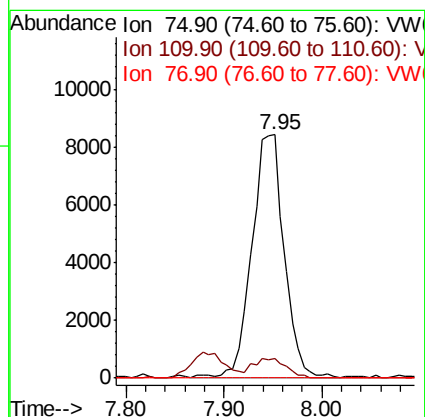
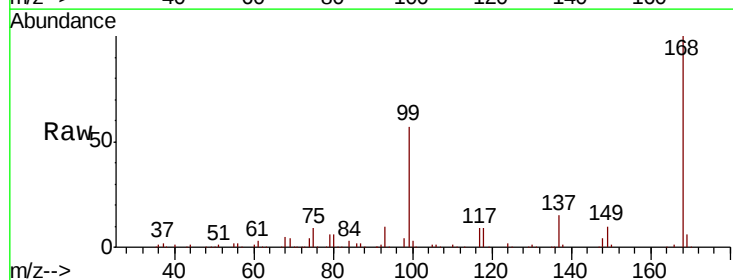
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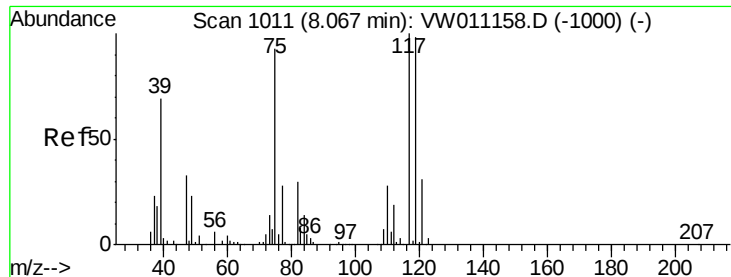
Tot Ion:113 Resp: 83078
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 20.2 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.809 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW011403.D
 Acq: 20 Jul 2019 04:50

Tgt Ion: 75 Resp: 19415
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.9 47.6#
 77 0.0 24.6 36.8#

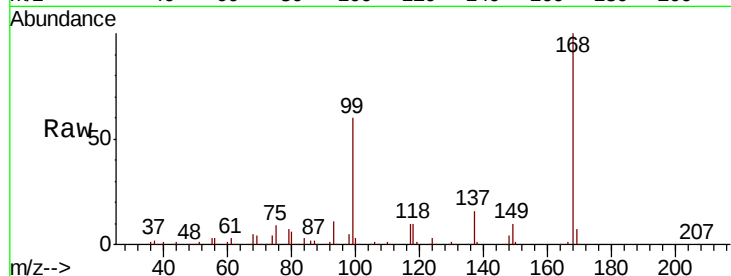




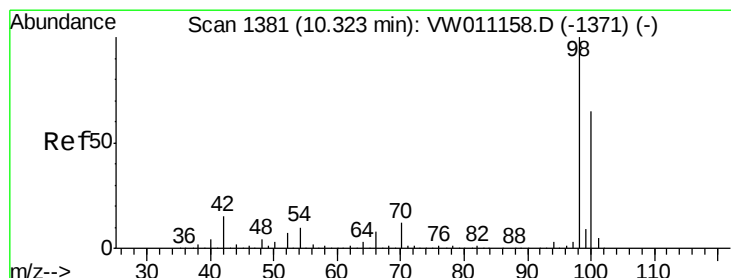
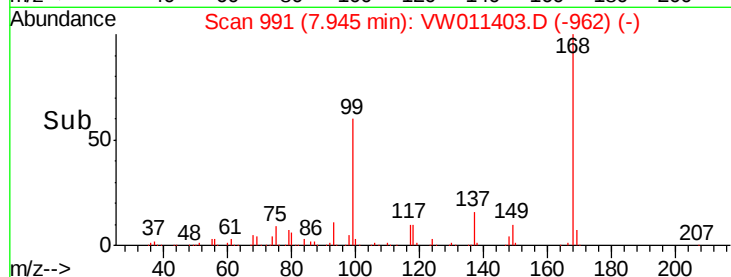
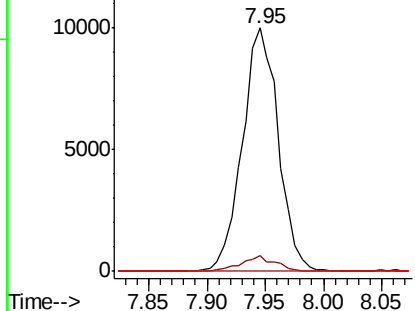
#38
Carbon Tetrachloride
Concen: 6.270 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011403.D
Acq: 20 Jul 2019 04:50

Instrument :
MSVOA_W
ClientSampleId :
SB-5(0-2)RE

Tot Ion:117 Resp: 21460
Ion Ratio Lower Upper
117 100
119 6.6 78.1 117.1#
121 0.0 25.1 37.7#

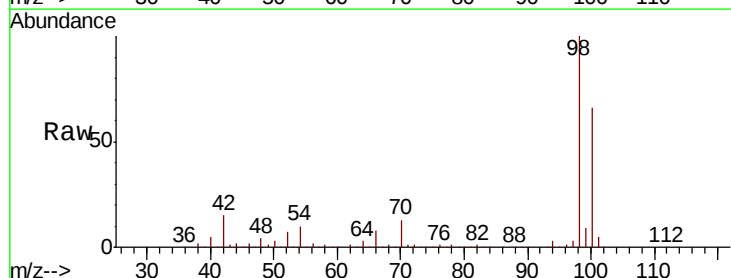


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

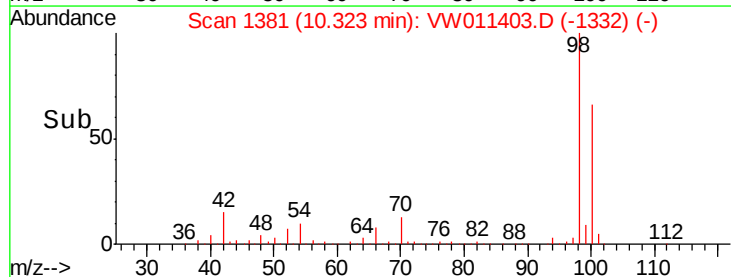
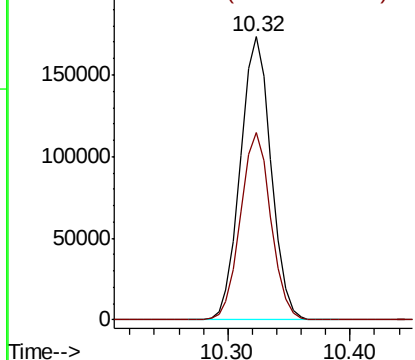


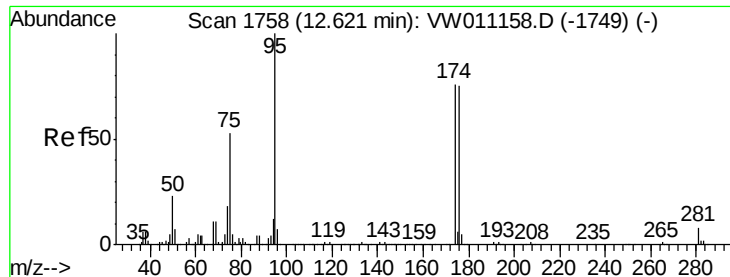
#50
Toluene-d8
Concen: 33.057 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011403.D
Acq: 20 Jul 2019 04:50

Tgt Ion: 98 Resp: 301939
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



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

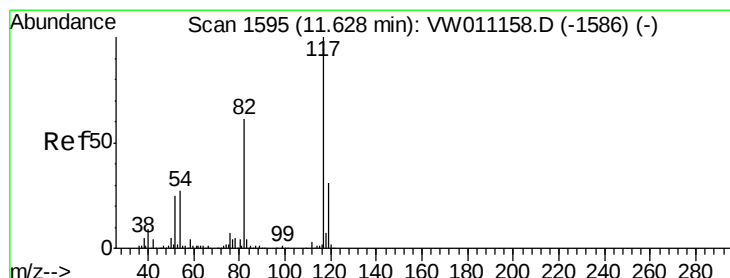
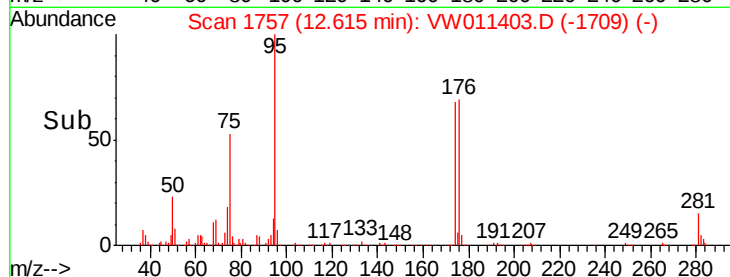
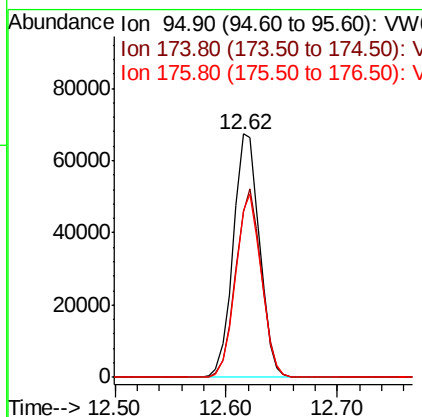
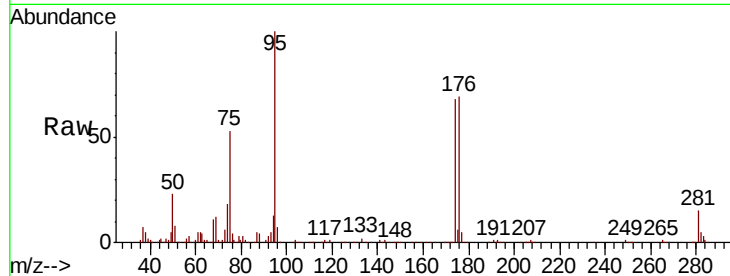




#62
4-Bromofluorobenzene
Concen: 32.908 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011403.D
Acq: 20 Jul 2019 04:50

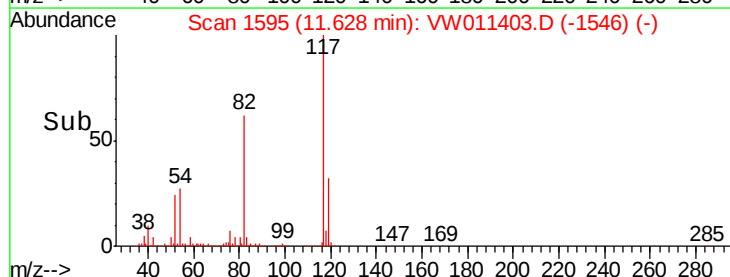
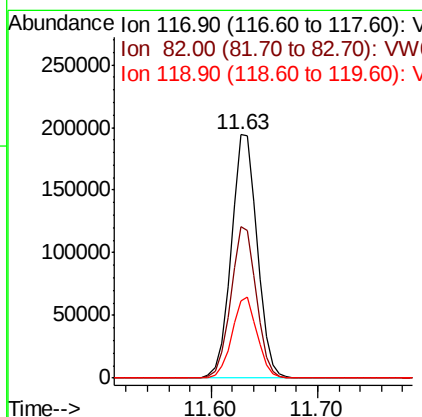
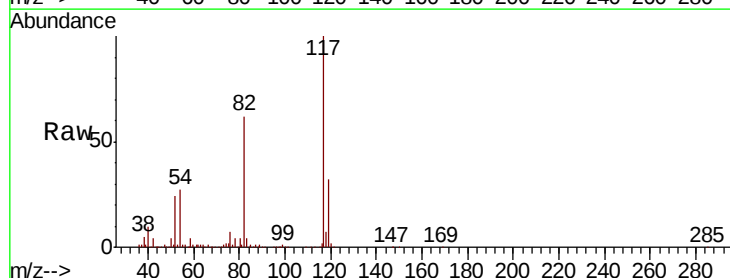
Instrument :
MSVOA_W
ClientSampleId :
SB-5(0-2)RE

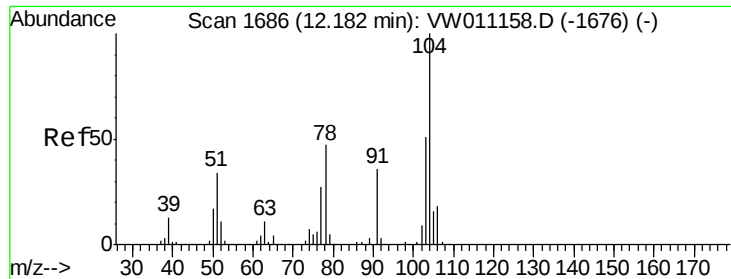
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	147.6
176	73.8	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011403.D
Acq: 20 Jul 2019 04:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.0	48.9	73.3
119	31.7	25.0	37.6

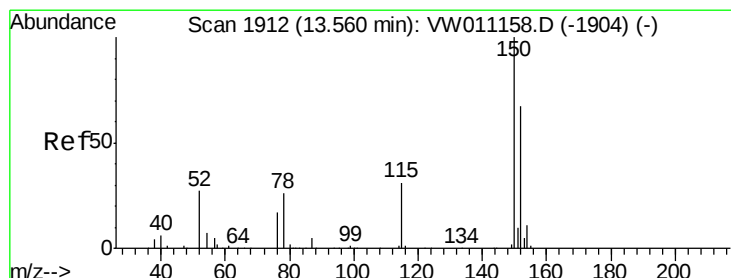
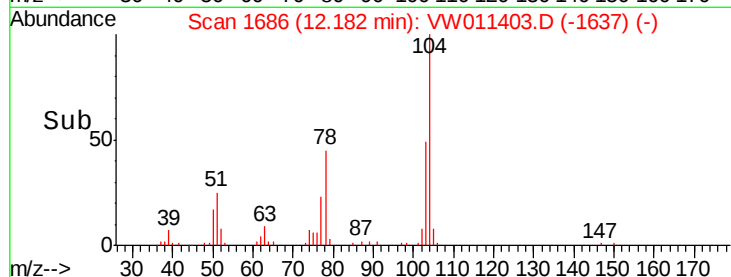
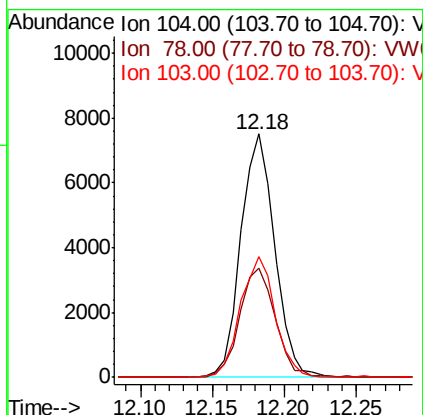
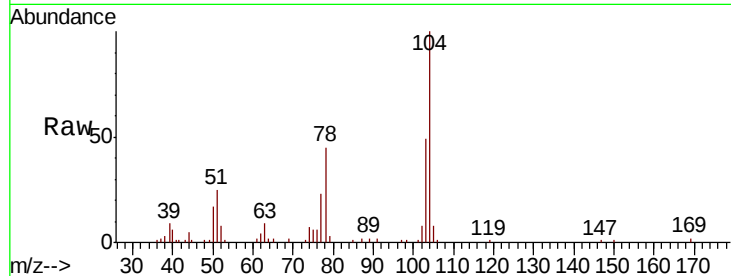




#70
Stvrene
Concen: 1.608 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011403.D
Acq: 20 Jul 2019 04:50

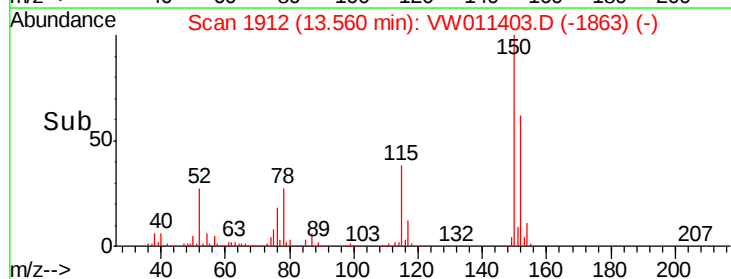
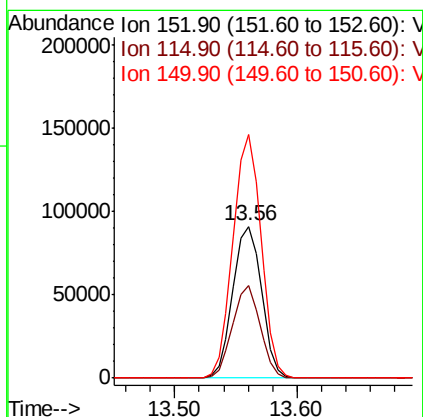
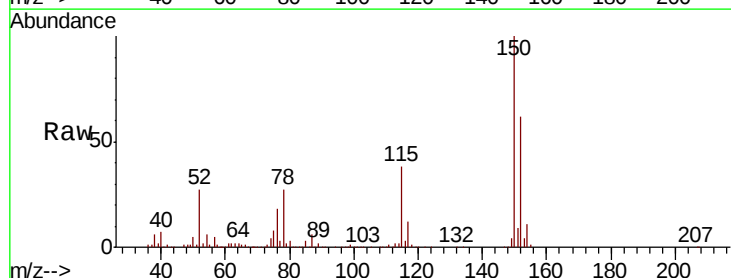
Instrument :
MSVOA_W
ClientSampleId :
SB-5(0-2)RE

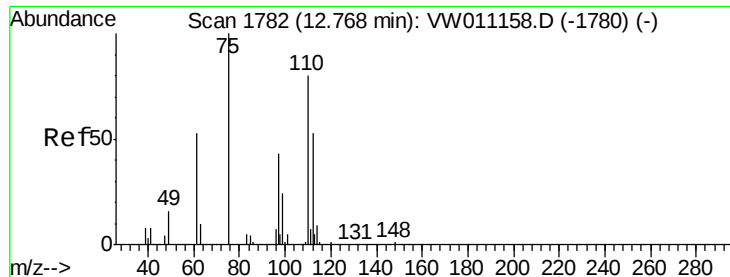
Tot Ion:104 Resp: 12222
Ion Ratio Lower Upper
104 100
78 47.3 43.1 64.7
103 50.9 44.1 66.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011403.D
Acq: 20 Jul 2019 04:50

Tgt Ion:152 Resp: 148380
Ion Ratio Lower Upper
152 100
115 58.8 30.1 90.3
150 156.7 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 34.696 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011403.D

Acq: 20 Jul 2019 04:50

Instrument :

MSVOA_W

ClientSampled :

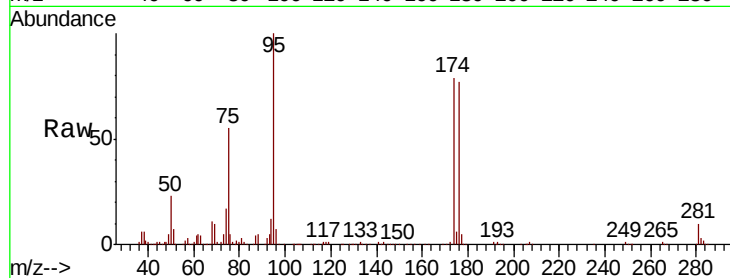
SB-5(0-2)RE

Tot Ion: 75 Resp: 59494

Ion Ratio Lower Upper

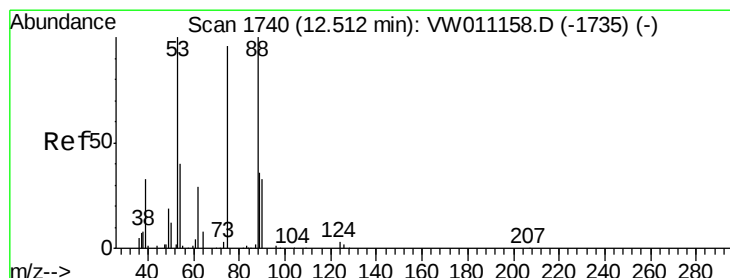
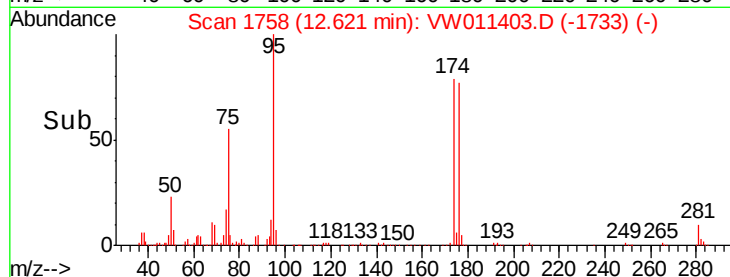
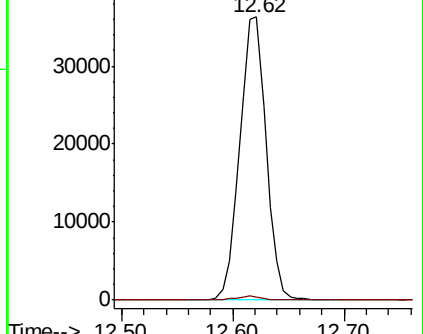
75 100

77 1.4 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: 78.476 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011403.D

Acq: 20 Jul 2019 04:50

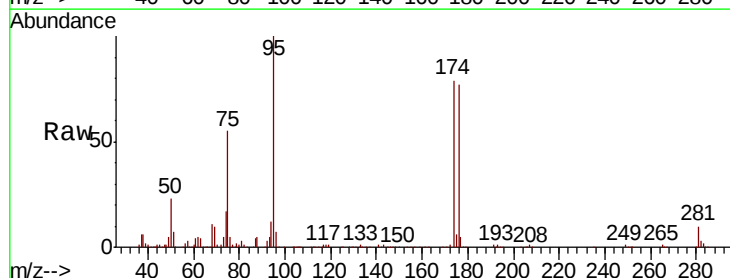
Tgt Ion: 75 Resp: 59494

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.0 34.3 51.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

