

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012333.D
 Acq On : 30 Aug 2019 05:24
 Operator : SY/VA
 Sample : K4554-02
 Misc : 5.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-(13-15)

Quant Time: Aug 30 06:56:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132265	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	136530	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	7.88	113	114085	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	10.32	98	467799	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	150581	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

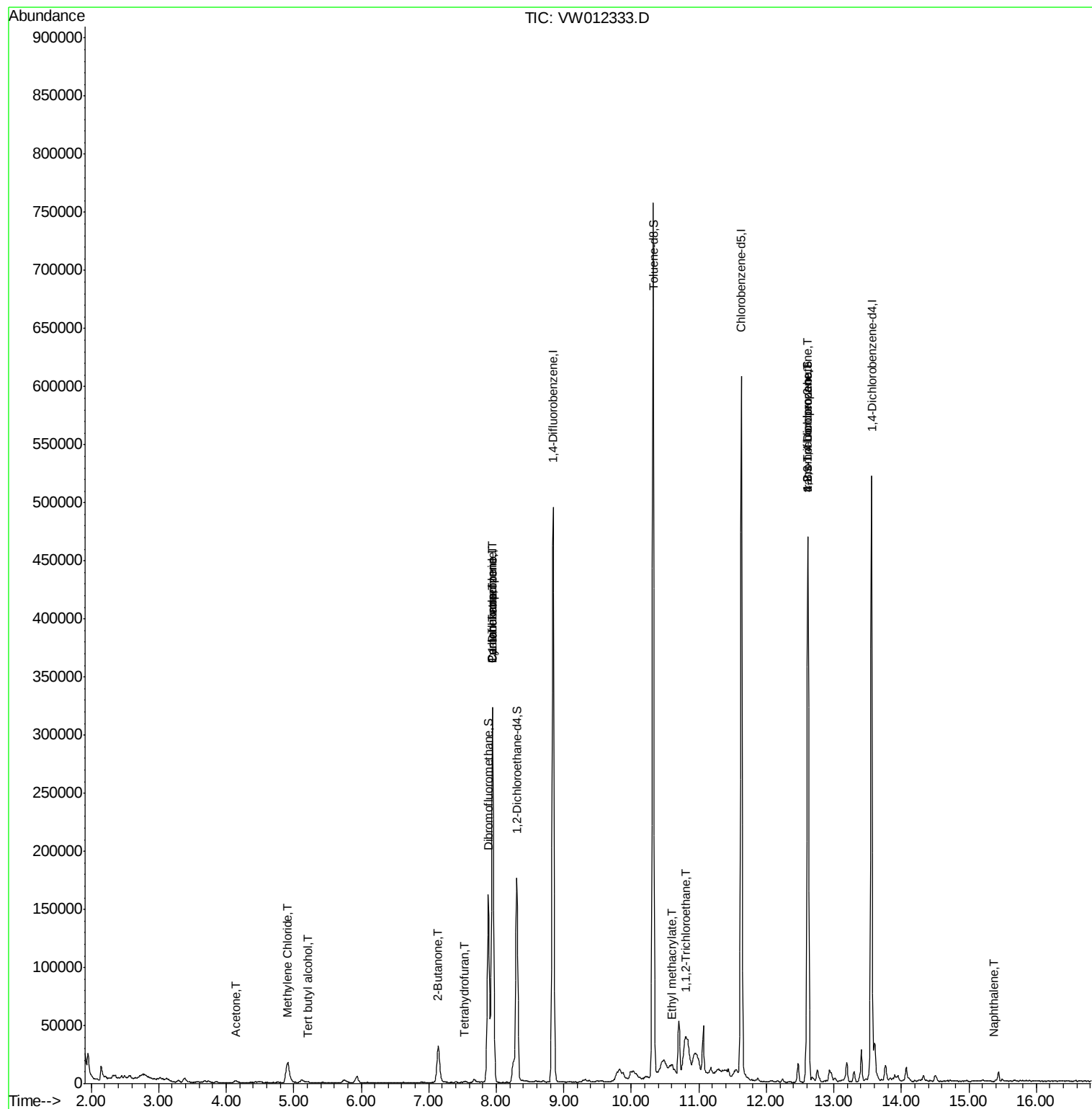
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	380	2.275	ug/l #	84
16) Acetone	4.14	43	2664	3.754	ug/l #	80
20) Methylene Chloride	4.91	84	12940	4.824	ug/l	93
25) 2-Butanone	7.14	43	2108	2.186	ug/l	93
29) Tetrahydrofuran	7.52	42	755	1.305	ug/l #	88
31) Cyclohexane	7.94	56	5618	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20184	5.086	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23362	6.801	ug/l #	16
55) 1,1,2-Trichloroethane	10.82	97	3597	1.959	ug/l #	14
56) Ethyl methacrylate	10.60	69	10495	3.928	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	80020	62.119	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80020	136.199	ug/l #	6
95) Naphthalene	15.37	128	300	4.376	ug/l #	69

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

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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012333.D

Acq: 30 Aug 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

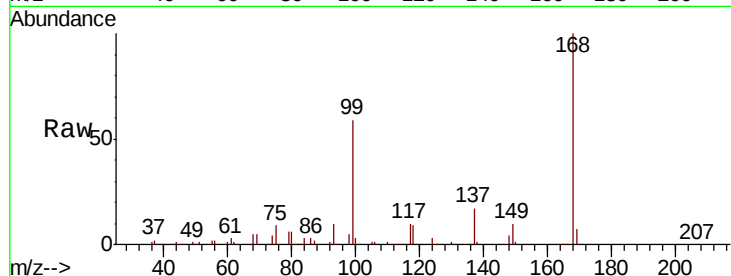
SB-13-(13-15)

Tgt Ion:168 Resp: 233508

Ion Ratio Lower Upper

168 100

99 59.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

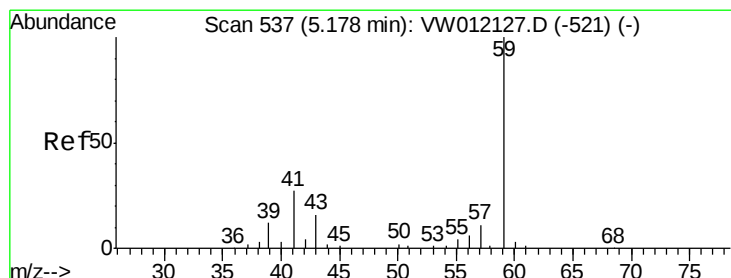
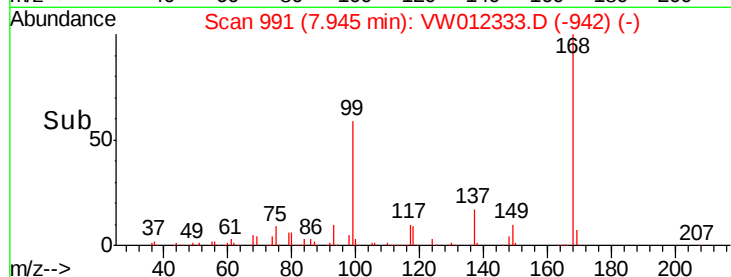
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.275 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW012333.D

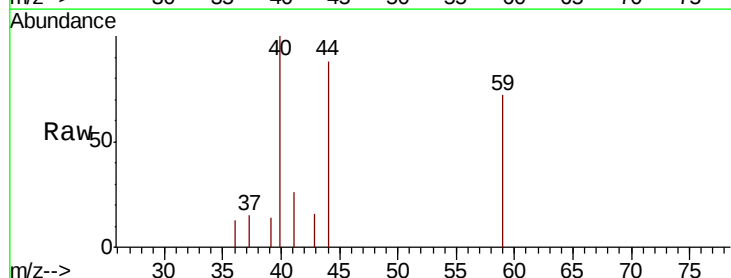
Acq: 30 Aug 2019 05:24

Tgt Ion: 59 Resp: 380

Ion Ratio Lower Upper

59 100

57 5.3 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

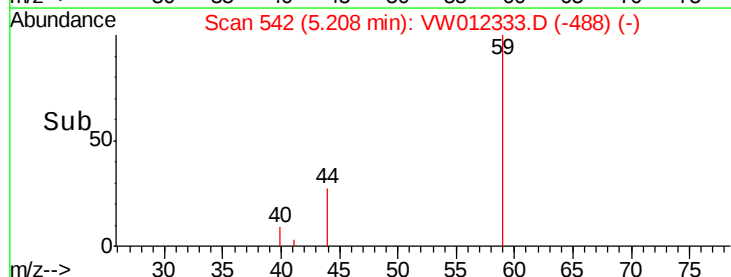
300

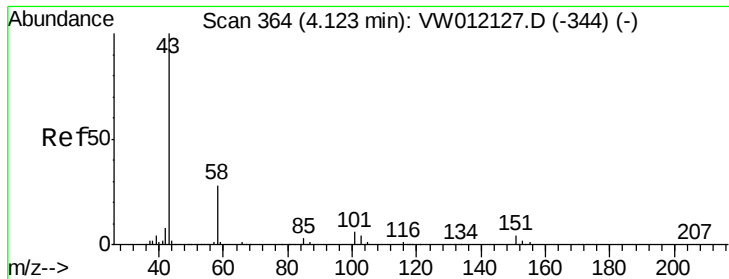
200

100

0

Time--> 5.16 5.18 5.20 5.22 5.24

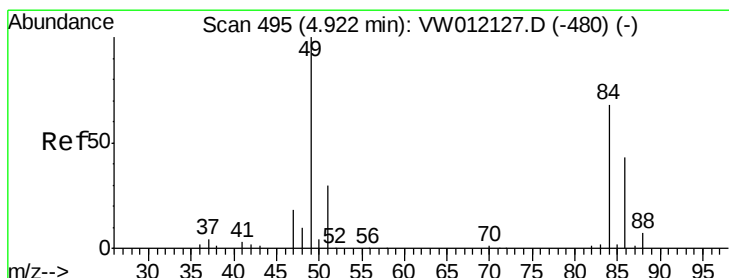
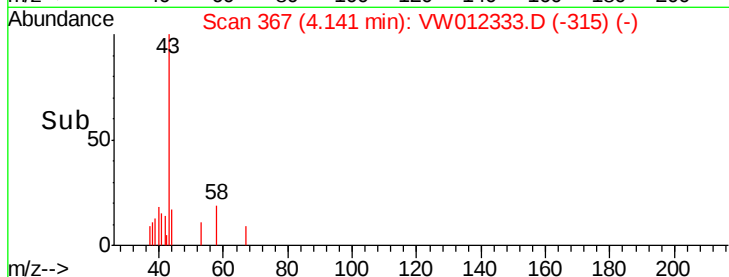
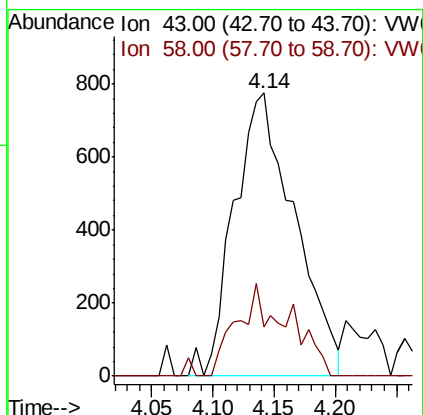
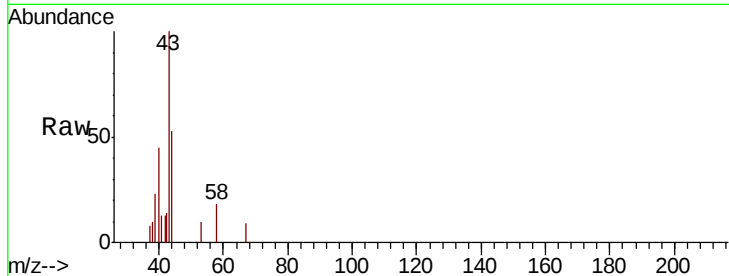




#16
Acetone
Concen: 3.754 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012333.D
Acq: 30 Aug 2019 05:24

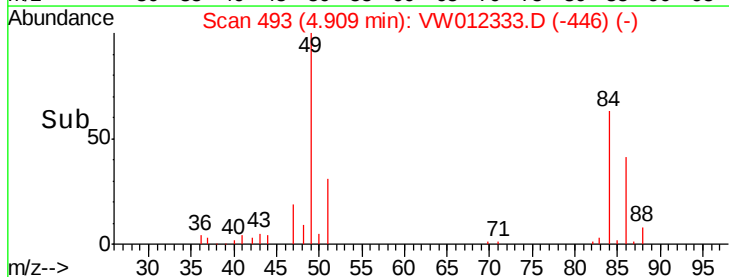
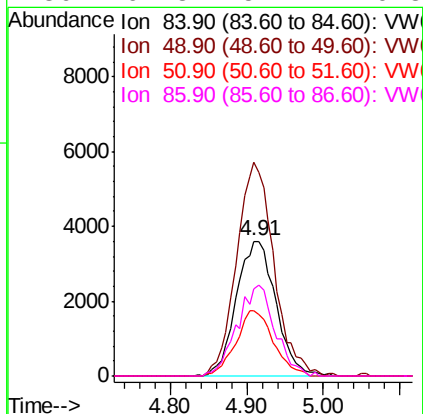
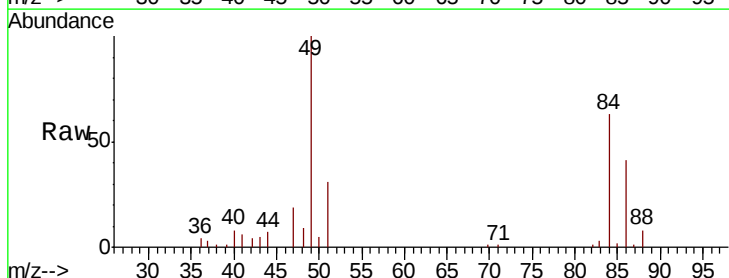
Instrument :
MSVOA_W
ClientSampleId :
SB-13-(13-15)

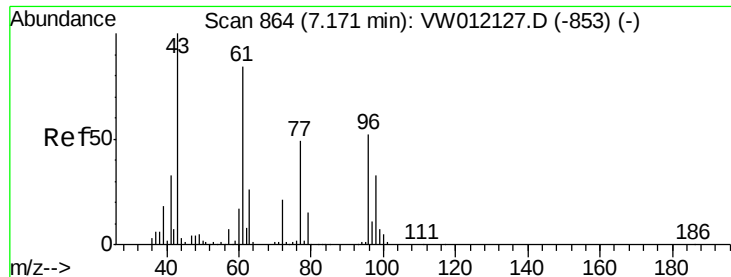
Tgt Ion: 43 Resp: 2664
Ion Ratio Lower Upper
43 100
58 17.5 22.4 33.6#



#20
Methylene Chloride
Concen: 4.824 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012333.D
Acq: 30 Aug 2019 05:24

Tgt Ion: 84 Resp: 12940
Ion Ratio Lower Upper
84 100
49 158.6 117.8 176.8
51 48.4 35.6 53.4
86 64.8 51.2 76.8





#25

2-Butanone

Concen: 2.186 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012333.D

Acq: 30 Aug 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

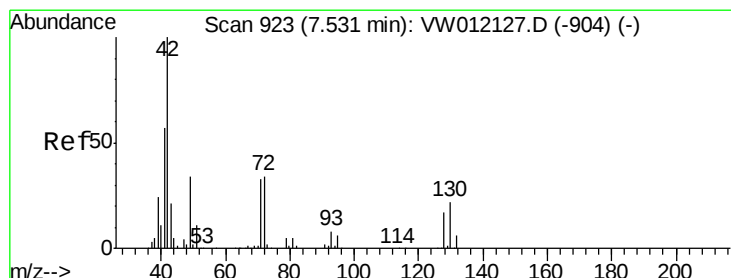
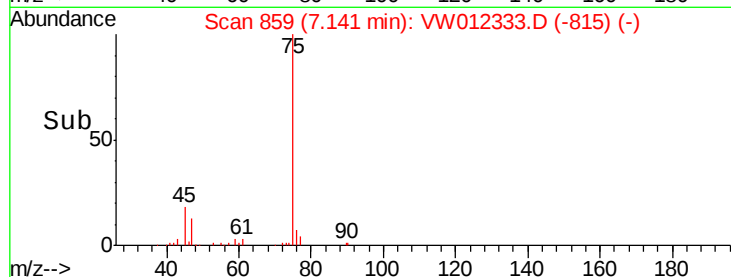
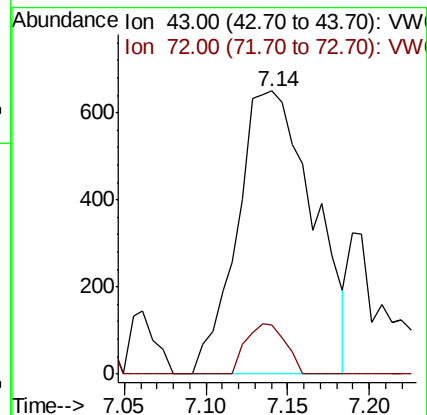
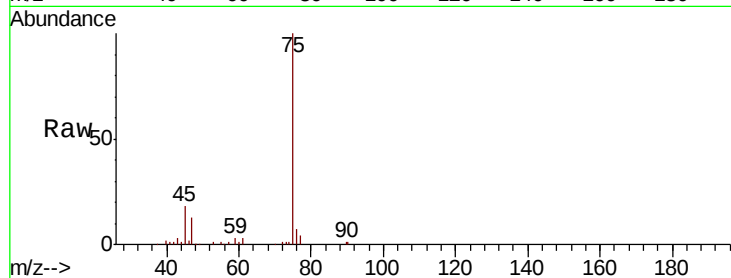
SB-13-(13-15)

Tgt Ion: 43 Resp: 2108

Ion Ratio Lower Upper

43 100

72 17.2 16.6 24.8



#29

Tetrahydrofuran

Concen: 1.305 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012333.D

Acq: 30 Aug 2019 05:24

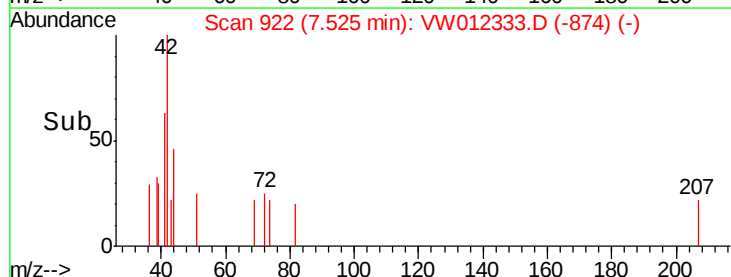
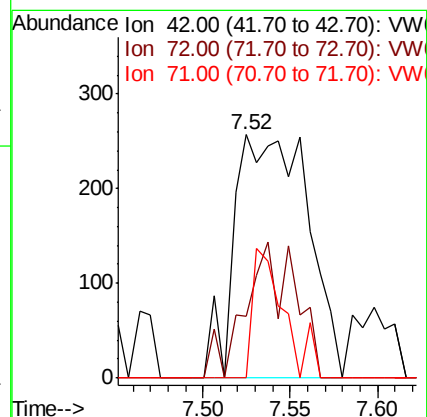
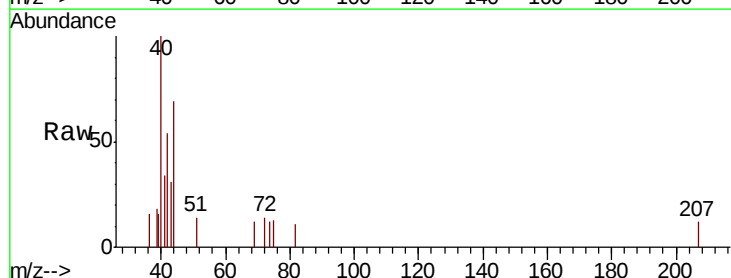
Tgt Ion: 42 Resp: 755

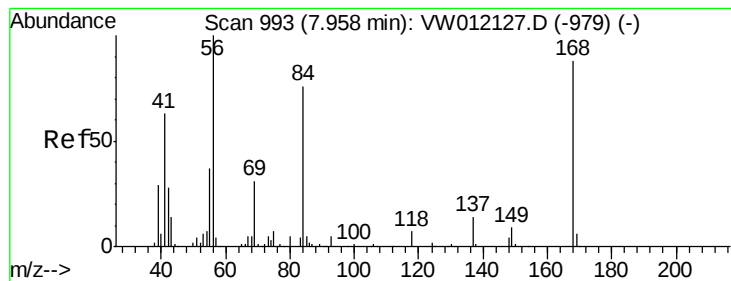
Ion Ratio Lower Upper

42 100

72 37.7 27.3 40.9

71 22.4 25.5 38.3#





#31

Cyclohexane

Concen: 1.124 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012333.D

Acq: 30 Aug 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

SB-13-(13-15)

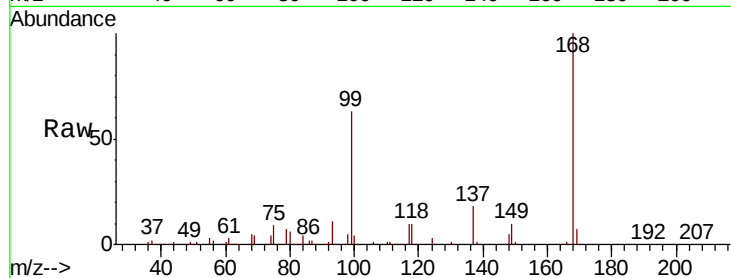
Tgt Ion: 56 Resp: 5618

Ion Ratio Lower Upper

56 100

69 178.7 24.9 37.3#

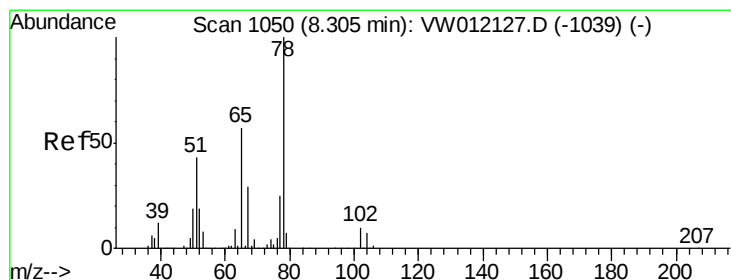
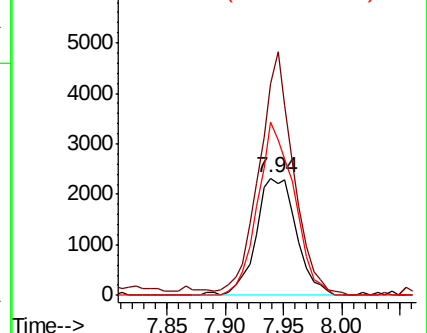
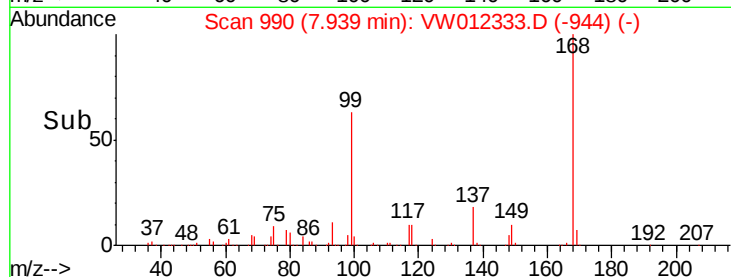
84 147.9 60.6 90.8#



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: 49.185 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012333.D

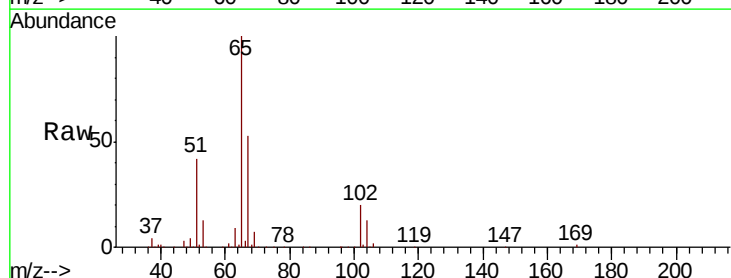
Acq: 30 Aug 2019 05:24

Tgt Ion: 65 Resp: 136530

Ion Ratio Lower Upper

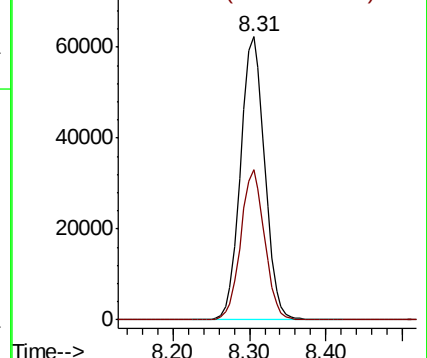
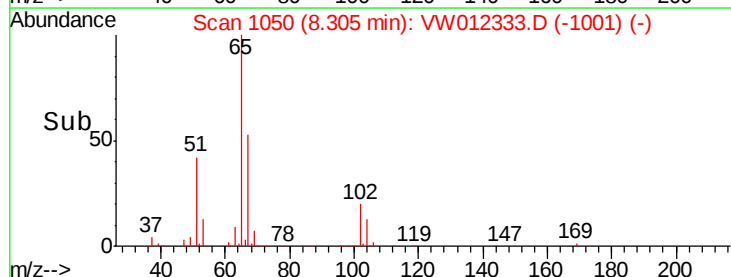
65 100

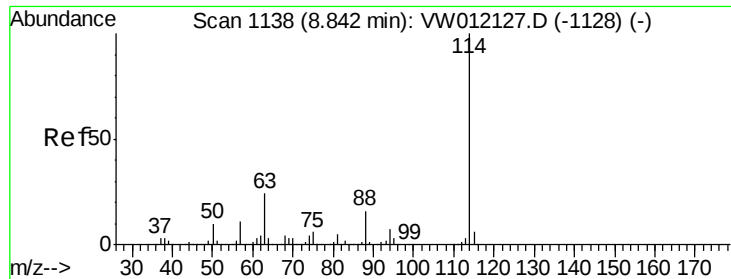
67 52.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

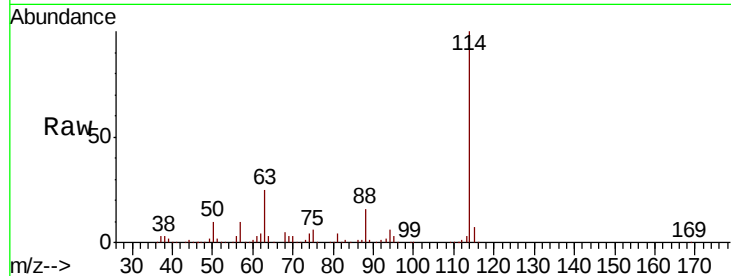




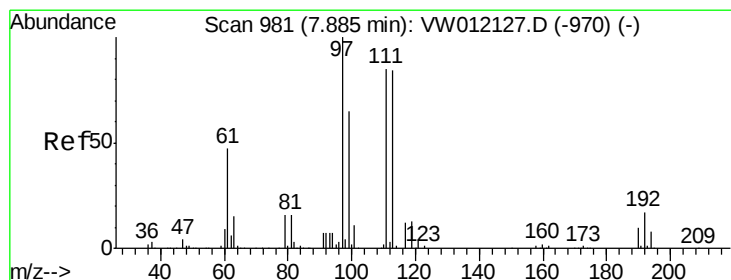
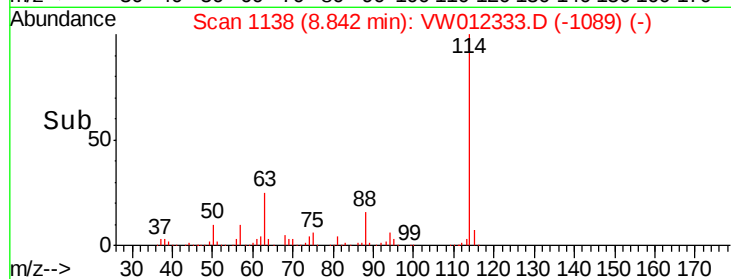
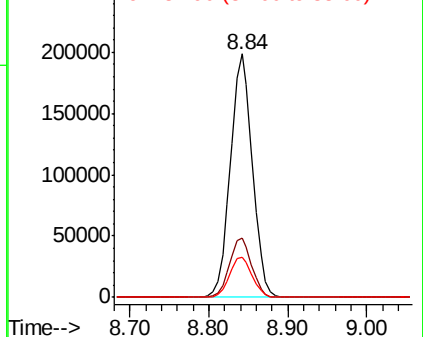
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012333.D
 Acq: 30 Aug 2019 05:24

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-(13-15)

Tgt Ion:	114	Resp:	384037
Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	48.6
88	16.5	0.0	32.2

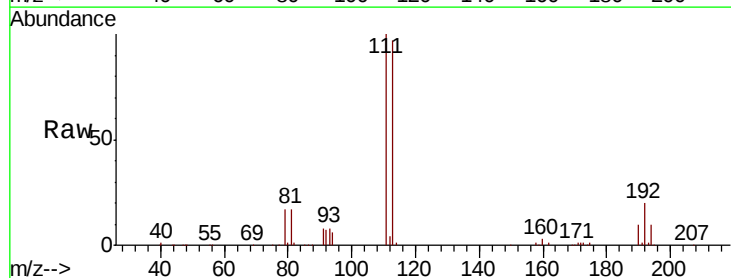


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

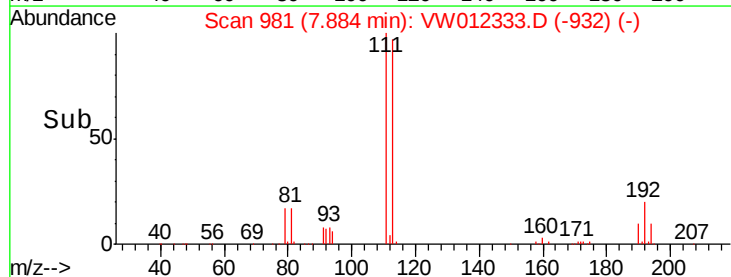
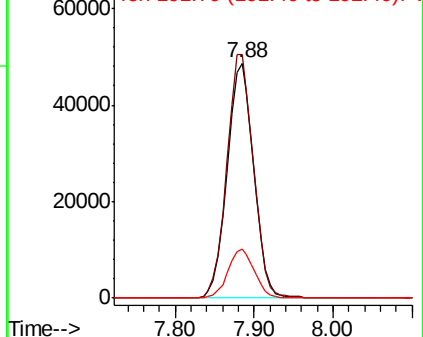


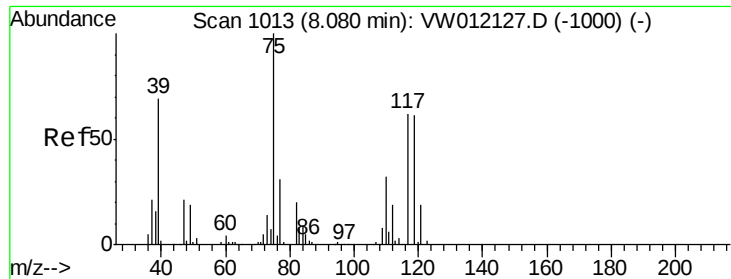
#35
 Dibromofluoromethane
 Concen: 49.768 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012333.D
 Acq: 30 Aug 2019 05:24

Tgt Ion:	113	Resp:	114085
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.7	124.1
192	20.6	16.2	24.2



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

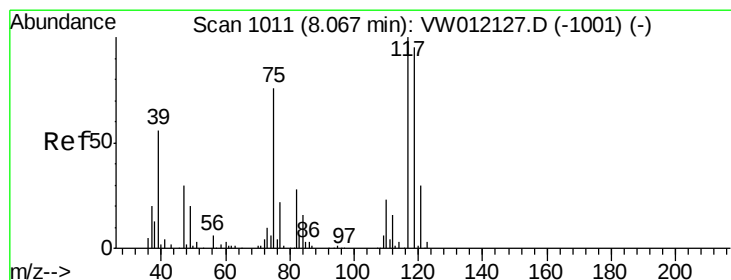
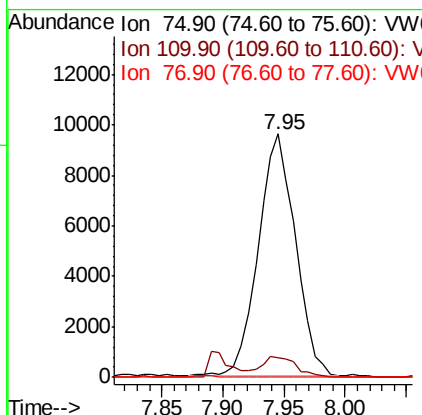
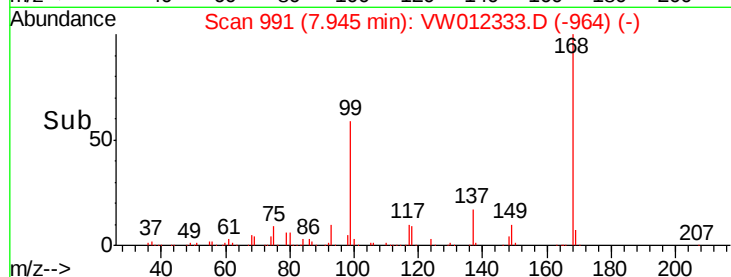
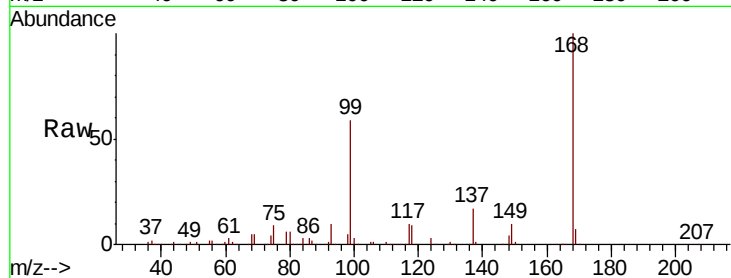




#36
 1,1-Dichloropropene
 Concen: 5.086 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012333.D
 Acq: 30 Aug 2019 05:24

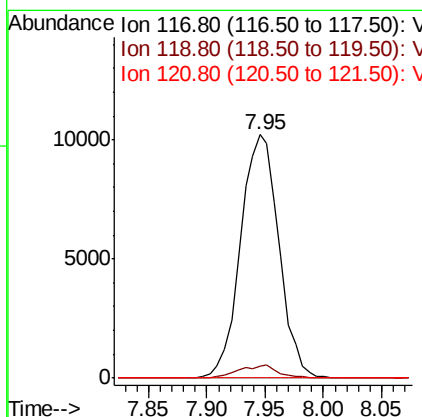
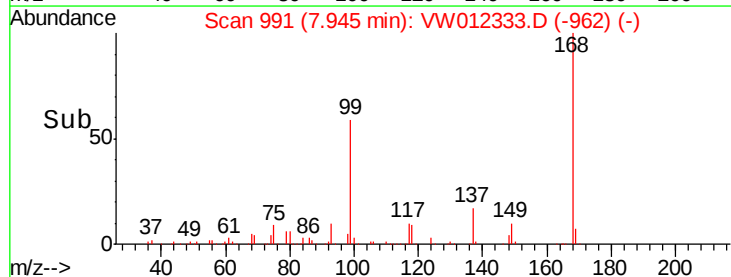
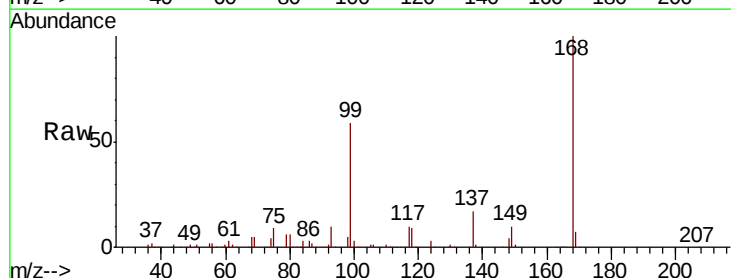
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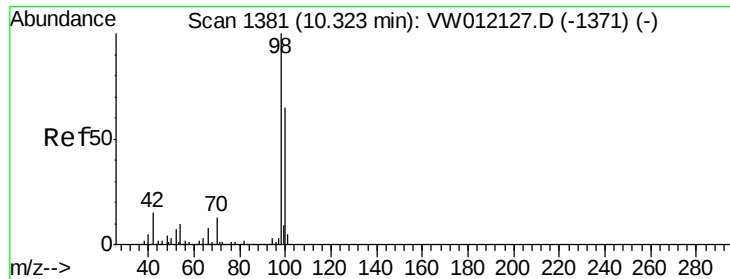
Tgt Ion: 75 Resp: 20184
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.801 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012333.D
 Acq: 30 Aug 2019 05:24

Tgt Ion: 117 Resp: 23362
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.330 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012333.D

Acq: 30 Aug 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

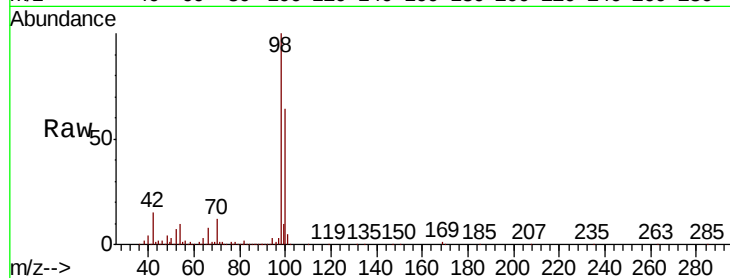
SB-13-(13-15)

Tgt Ion: 98 Resp: 467799

Ion Ratio Lower Upper

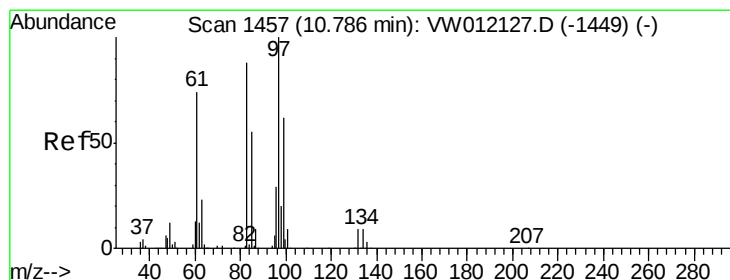
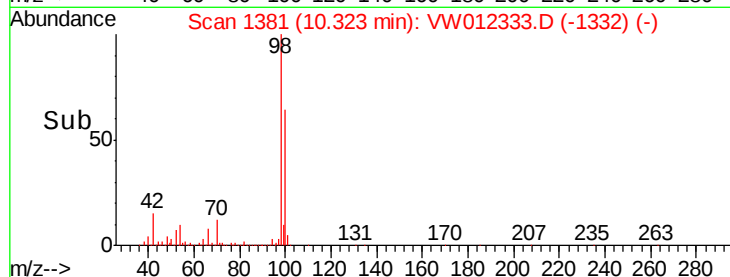
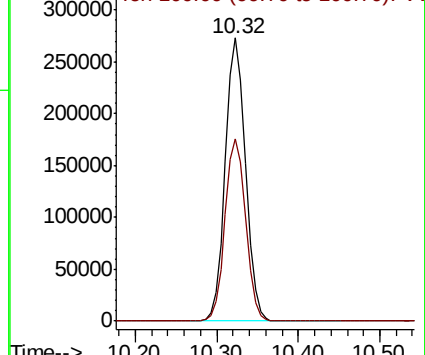
98 100

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): VW



#55

1,1,2-Trichloroethane

Concen: 1.959 ug/l

RT: 10.82 min Scan# 1462

Delta R.T. 0.03 min

Lab File: VW012333.D

Acq: 30 Aug 2019 05:24

Tgt Ion: 97 Resp: 3597

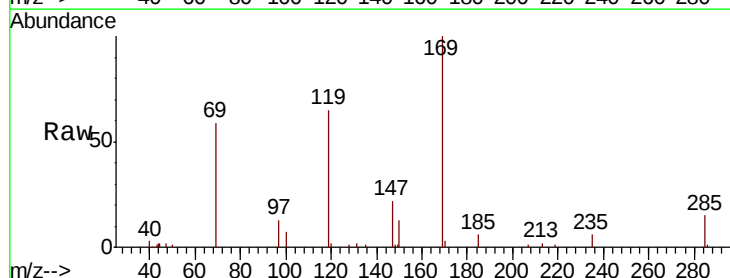
Ion Ratio Lower Upper

97 100

83 0.0 70.8 106.2#

85 0.0 43.8 65.8#

99 0.0 49.8 74.6#

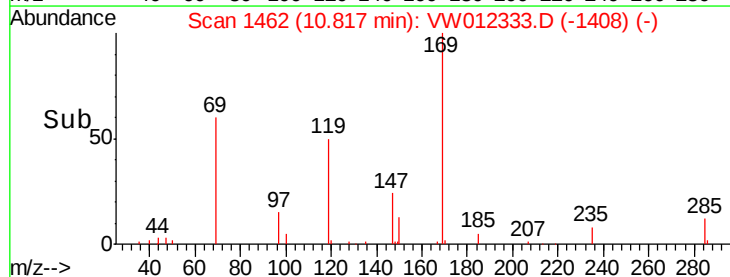
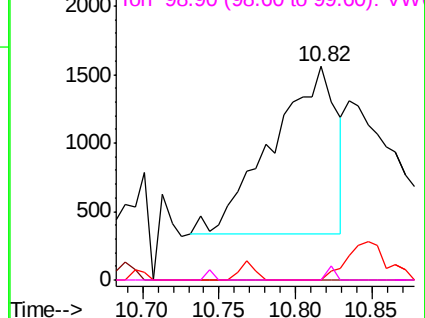


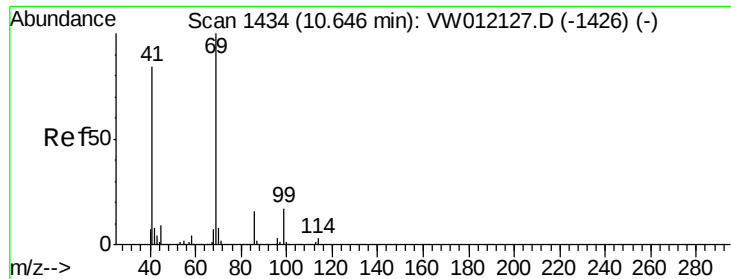
Abundance Ion 96.90 (96.60 to 97.60): VW

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

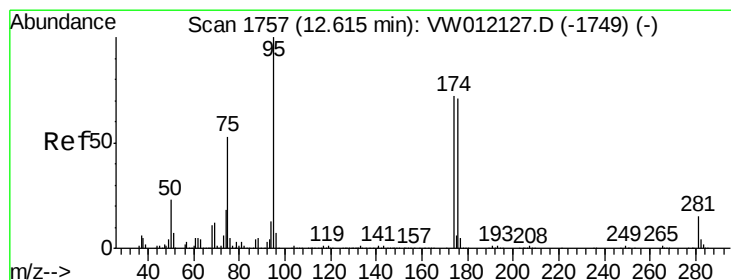
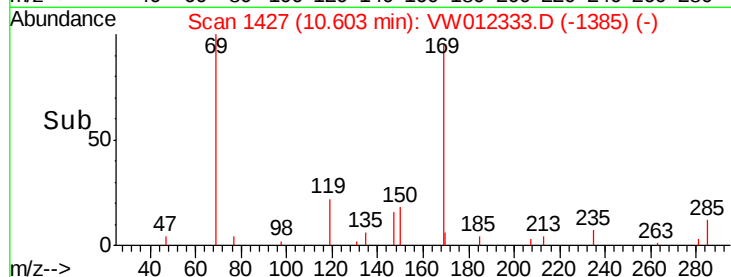
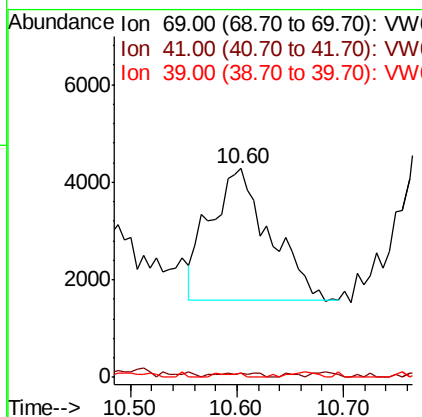
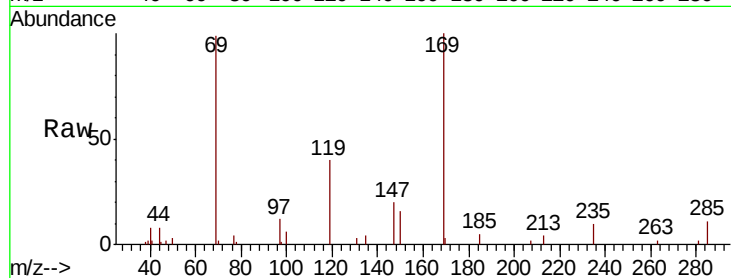




#56
 Ethyl methacrylate
 Concen: 3.928 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: VW012333.D
 Acq: 30 Aug 2019 05:24

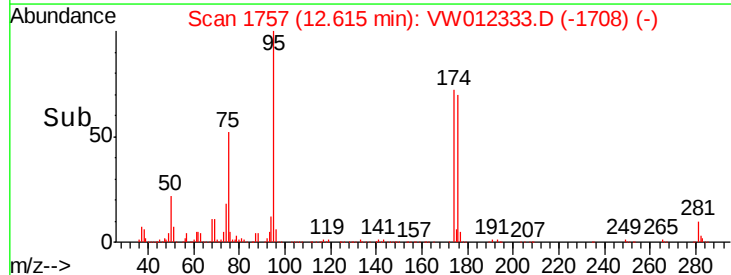
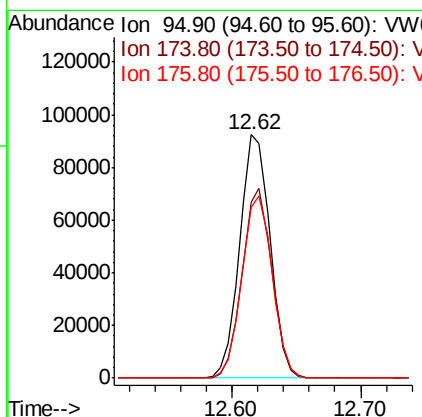
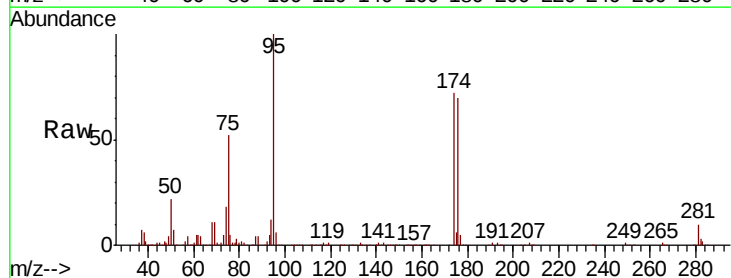
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-(13-15)

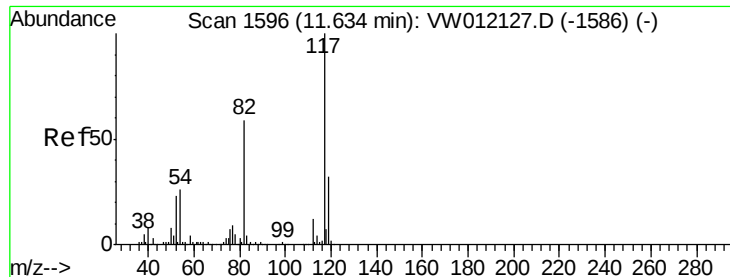
Tgt Ion: 69 Resp: 10495
 Ion Ratio Lower Upper
 69 100
 41 2.3 66.5 99.7#
 39 0.0 31.0 46.4#



#62
 4-Bromofluorobenzene
 Concen: 45.960 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012333.D
 Acq: 30 Aug 2019 05:24

Tgt Ion: 95 Resp: 150581
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 150.8
 176 74.9 0.0 148.6

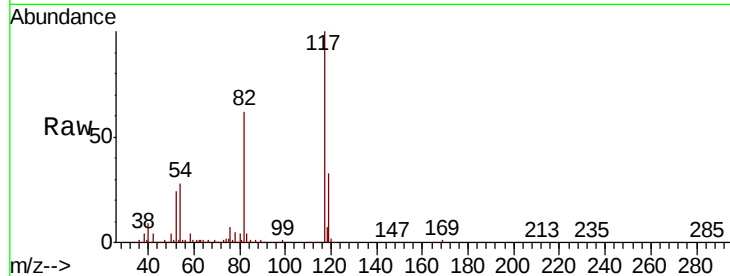




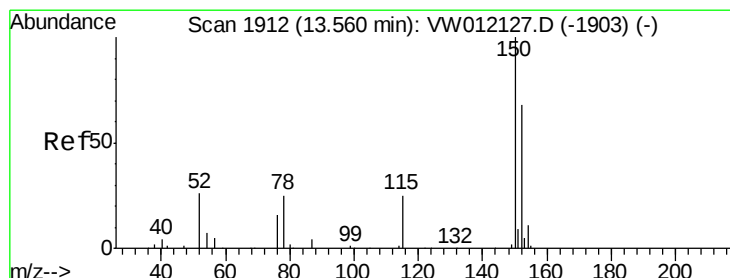
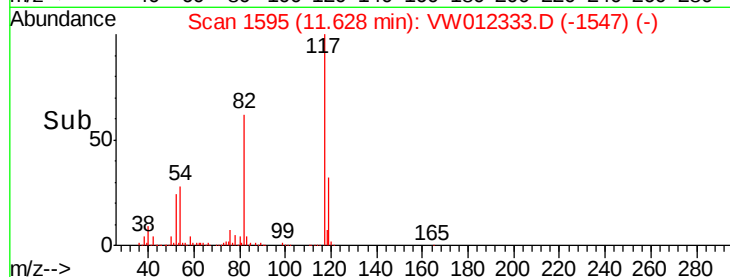
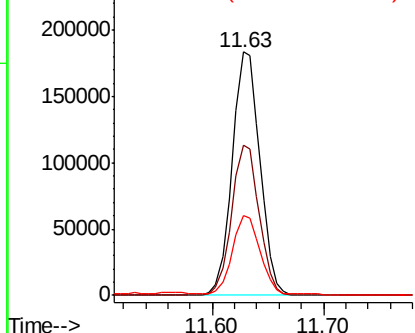
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012333.D
Acq: 30 Aug 2019 05:24

Instrument :
MSVOA_W
ClientSampleId :
SB-13-(13-15)

Tgt Ion:117 Resp: 314844
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 32.7 25.4 38.2

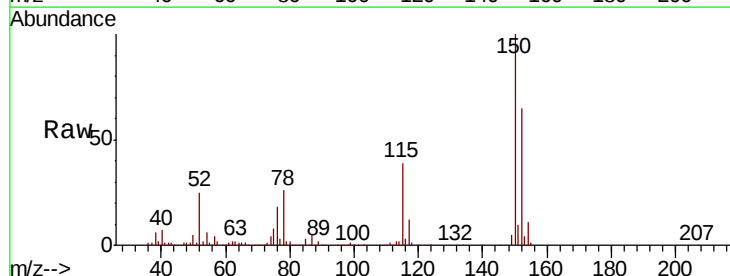


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

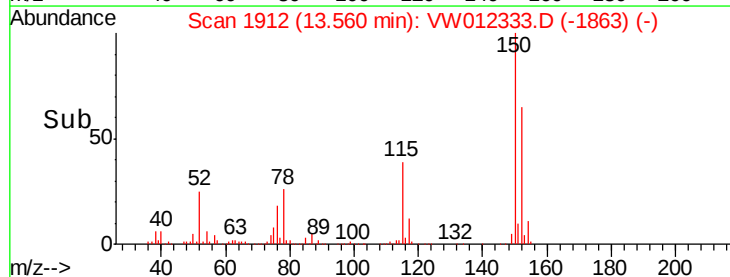
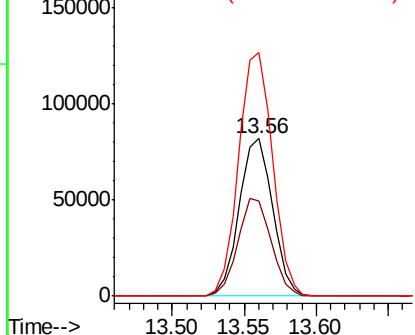


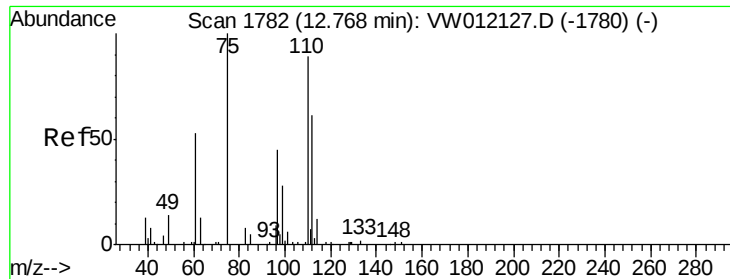
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012333.D
Acq: 30 Aug 2019 05:24

Tgt Ion:152 Resp: 132265
Ion Ratio Lower Upper
152 100
115 61.7 30.1 90.3
150 156.8 0.0 345.8



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: 62.119 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012333.D

Acq: 30 Aug 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

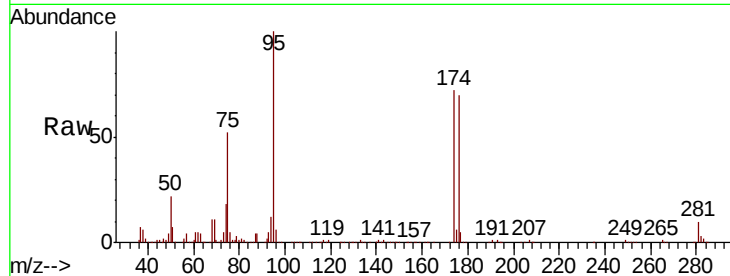
SB-13-(13-15)

Tgt Ion: 75 Resp: 80020

Ion Ratio Lower Upper

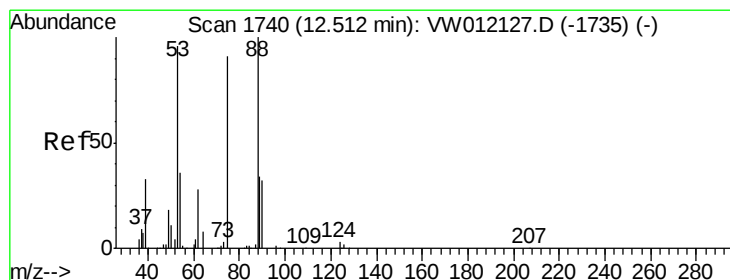
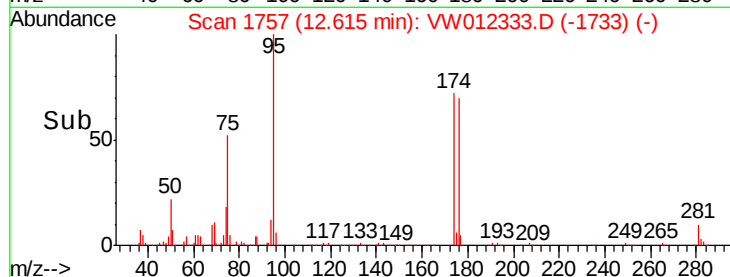
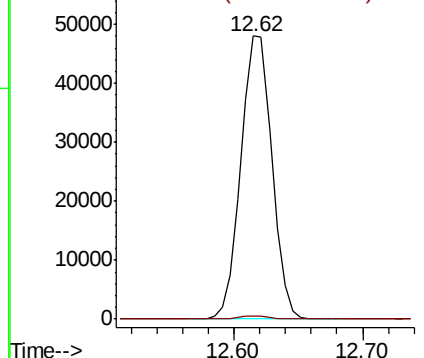
75 100

77 1.3 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: 136.199 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012333.D

Acq: 30 Aug 2019 05:24

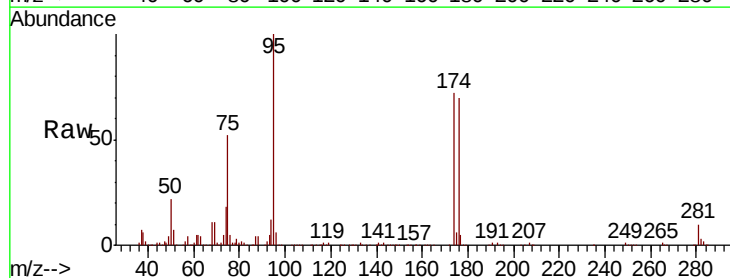
Tgt Ion: 75 Resp: 80020

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

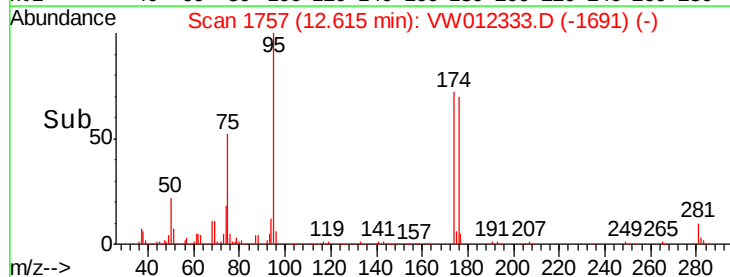
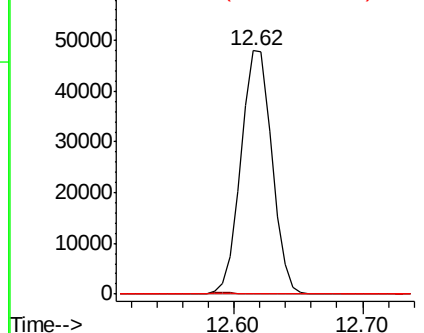
89 0.2 34.5 51.7#

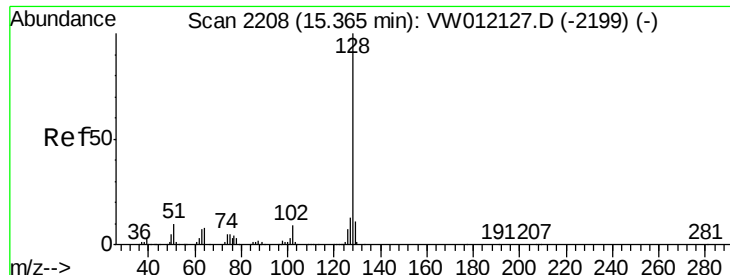


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.376 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012333.D

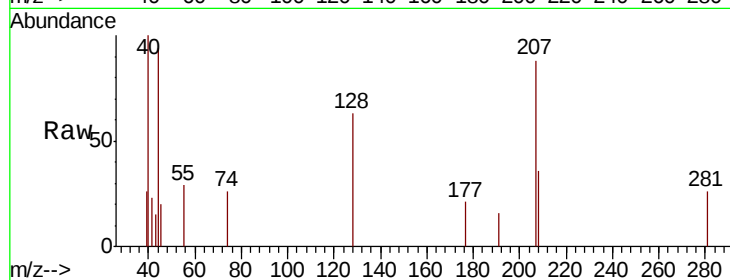
Acq: 30 Aug 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

SB-13-(13-15)



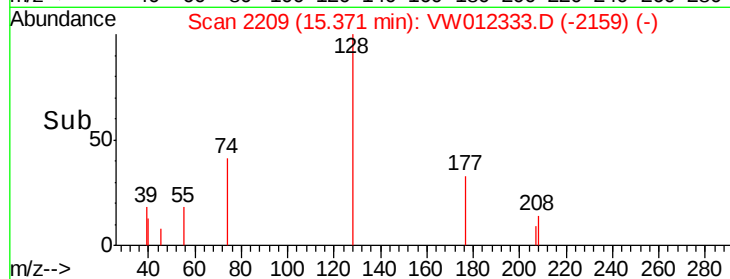
Tgt Ion:128 Resp: 300

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

300

250

200

150

100

50

0

15.35

15.37

15.40

Time-->