

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011670.D
 Acq On : 03 Aug 2019 17:04
 Operator : SY/VA
 Sample : K4152-10
 Misc : 5.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H4-(30)

Quant Time: Aug 04 01:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109804	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	138232	57.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.48%	
35) Dibromofluoromethane	7.88	113	107520	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	10.32	98	430585	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.62	95	131955	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	

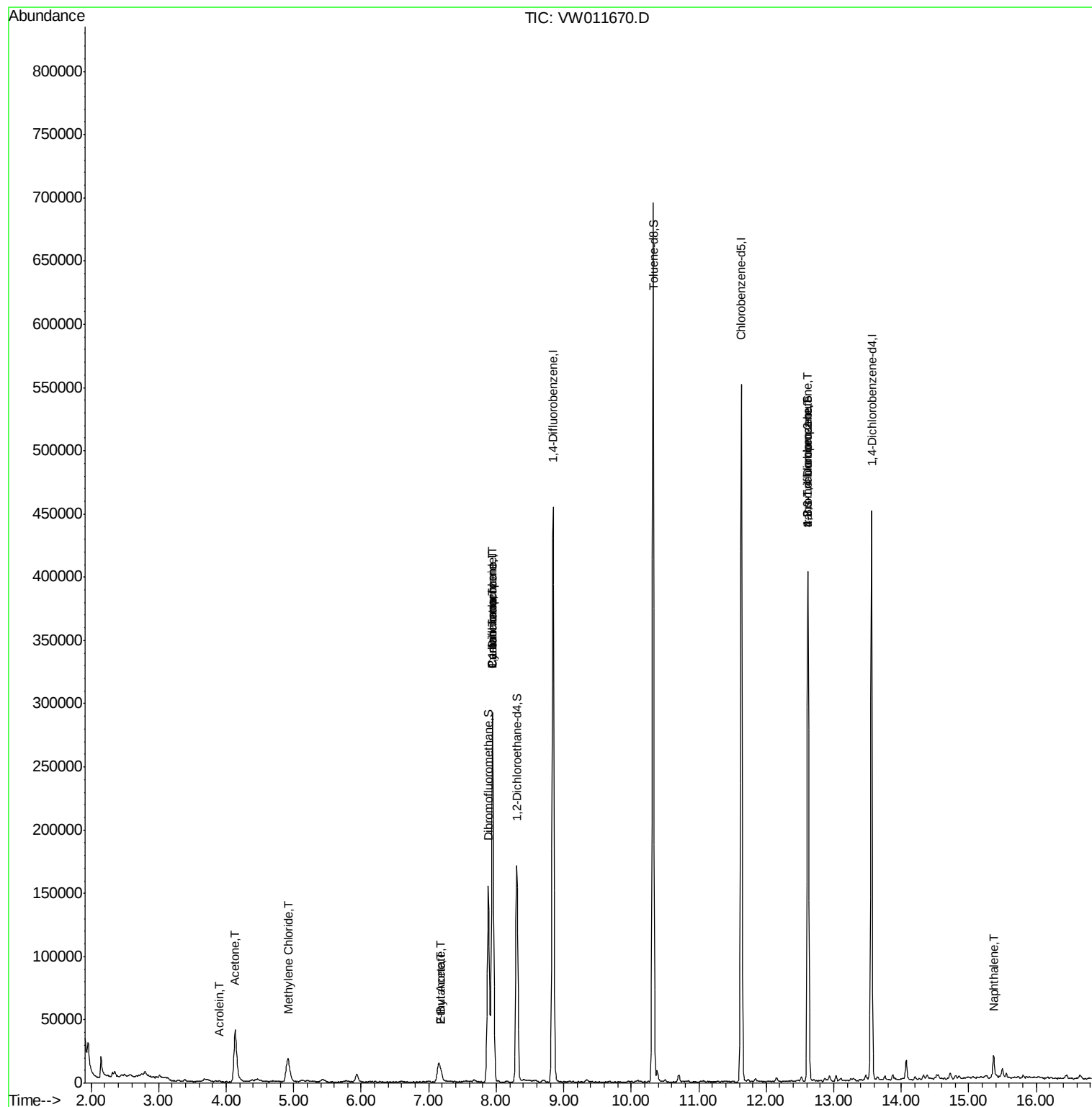
Target Compounds					Qvalue
11) Tert butyl alcohol	5.20	59	497	Below Cal	# 71
13) Acrolein	3.90	56	579	3.341	ug/l 87
16) Acetone	4.14	43	79459	103.431	ug/l 98
20) Methylene Chloride	4.92	84	15044	5.678	ug/l 96
25) 2-Butanone	7.18	43	12657	12.591	ug/l 99
31) Cyclohexane	7.95	56	5655	1.252	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	18214	4.938	ug/l # 51
37) Ethyl Acetate	7.18	43	12657	5.965	ug/l # 73
38) Carbon Tetrachloride	7.95	117	21190	6.711	ug/l # 16
76) 1,2,3-Trichloropropane	12.62	75	70512	60.689	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	70512	139.868	ug/l # 6
95) Naphthalene	15.37	128	13768	5.111	ug/l 98

(#) = 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: VW011670.D

Acq: 03 Aug 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

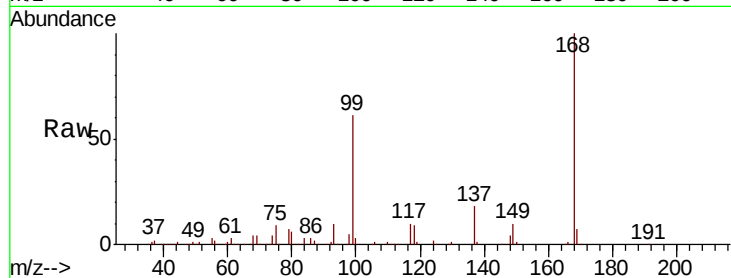
2S-H4-(30)

Tgt Ion:168 Resp: 210322

Ion Ratio Lower Upper

168 100

99 60.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

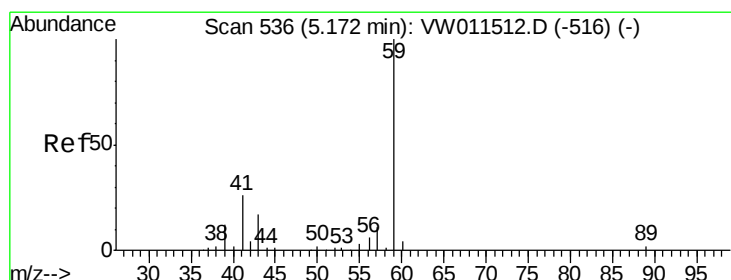
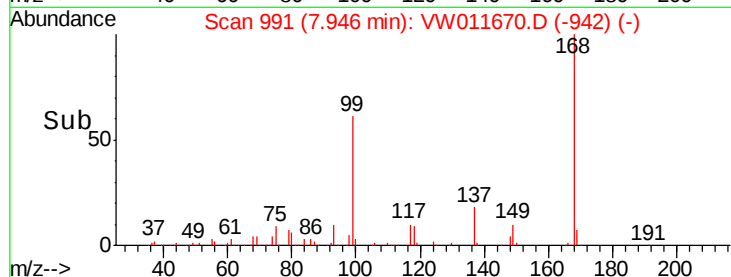
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW011670.D

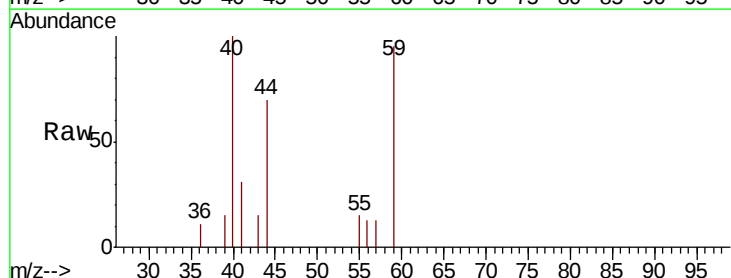
Acq: 03 Aug 2019 17:04

Tgt Ion: 59 Resp: 497

Ion Ratio Lower Upper

59 100

57 21.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

500

400

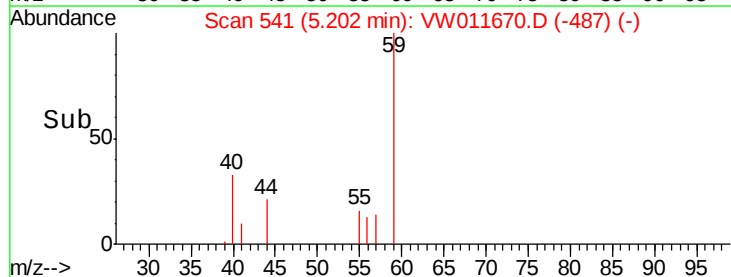
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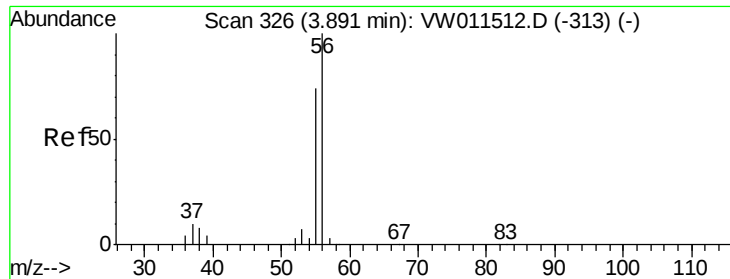
200

100

0

Time-->

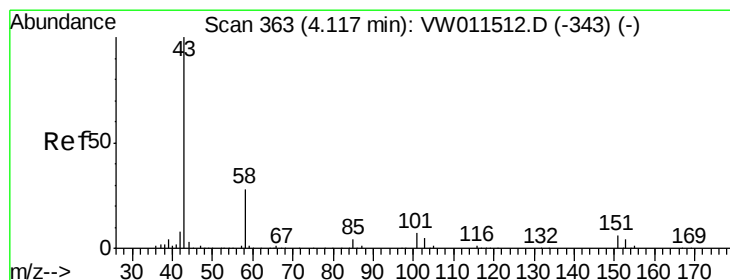
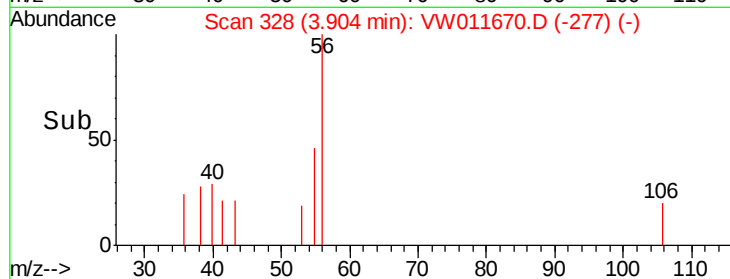
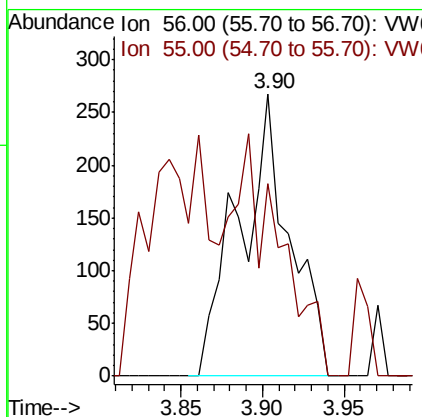
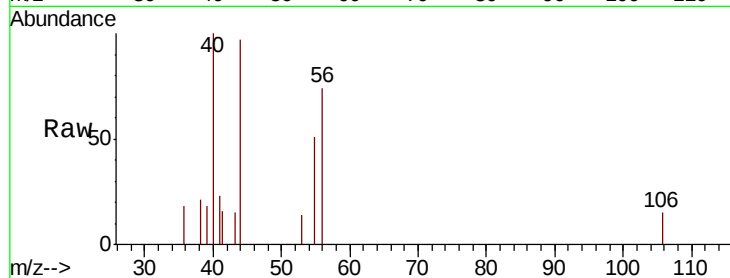




#13
Acrolein
Concen: 3.341 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

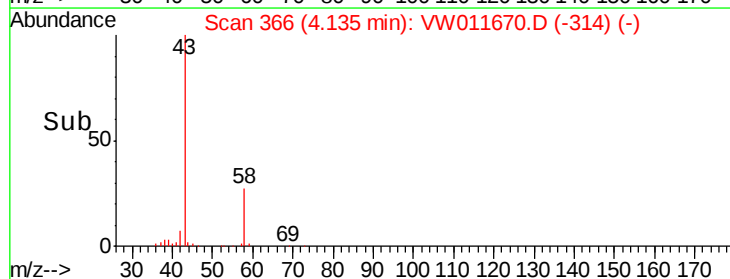
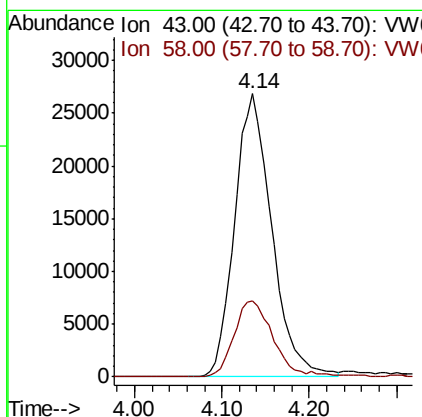
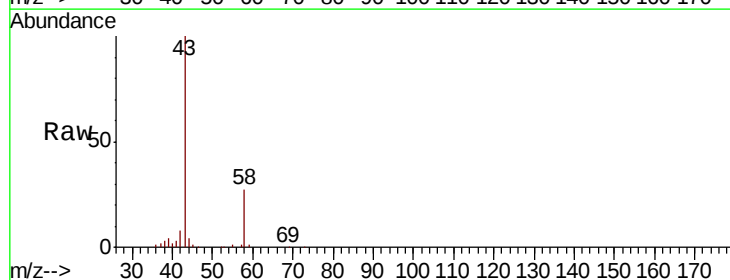
Instrument :
MSVOA_W
ClientSampled :
2S-H4-(30)

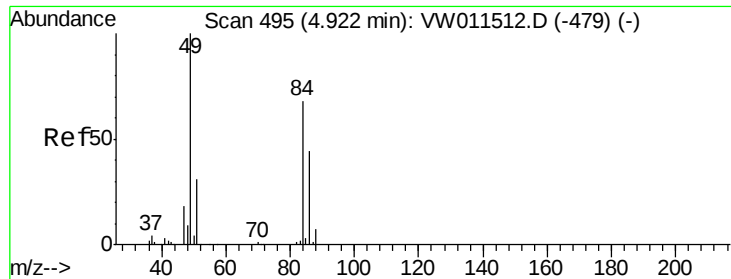
Tgt Ion: 56 Resp: 579
Ion Ratio Lower Upper
56 100
55 80.3 56.0 84.0



#16
Acetone
Concen: 103.431 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

Tgt Ion: 43 Resp: 79459
Ion Ratio Lower Upper
43 100
58 26.9 22.3 33.5

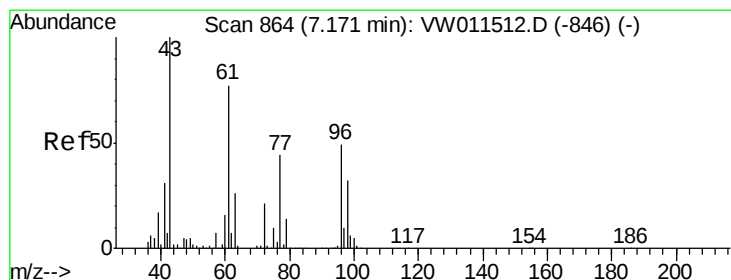
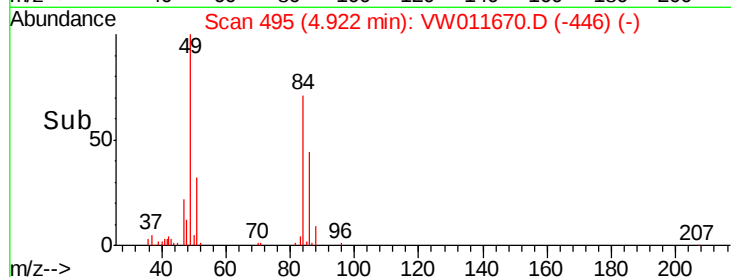
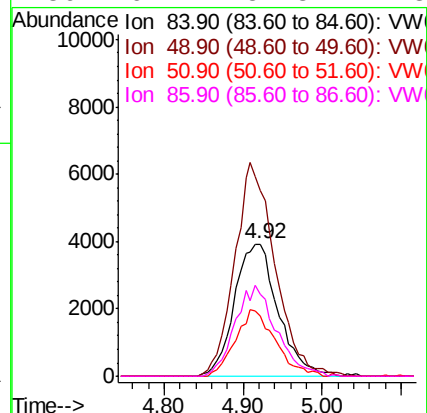
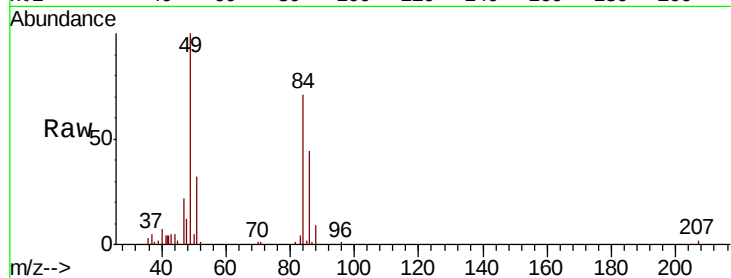




#20
Methylene Chloride
Concen: 5.678 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

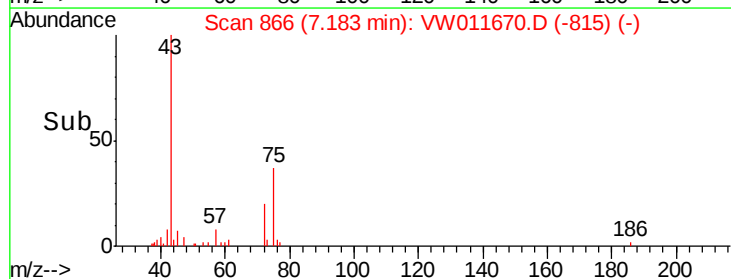
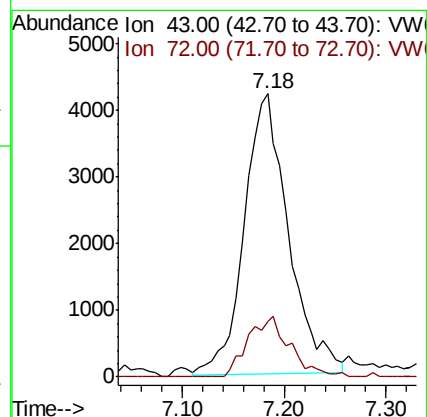
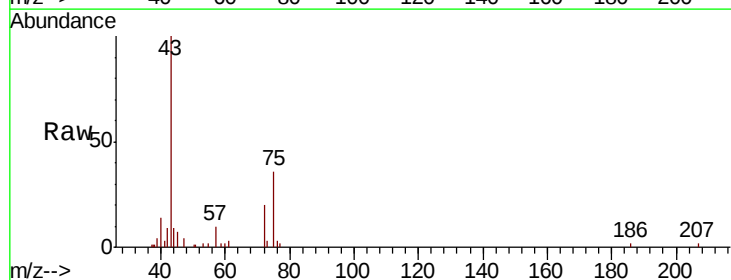
Instrument :
MSVOA_W
ClientSampleId :
2S-H4-(30)

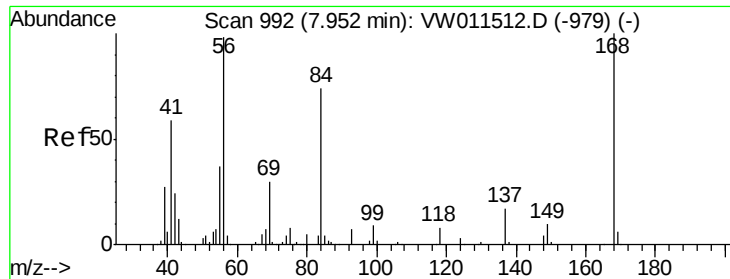
Tgt Ion: 84 Resp: 15044
Ion Ratio Lower Upper
84 100
49 140.6 117.8 176.6
51 45.4 37.0 55.4
86 62.1 51.8 77.8



#25
2-Butanone
Concen: 12.591 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

Tgt Ion: 43 Resp: 12657
Ion Ratio Lower Upper
43 100
72 20.1 16.6 24.8

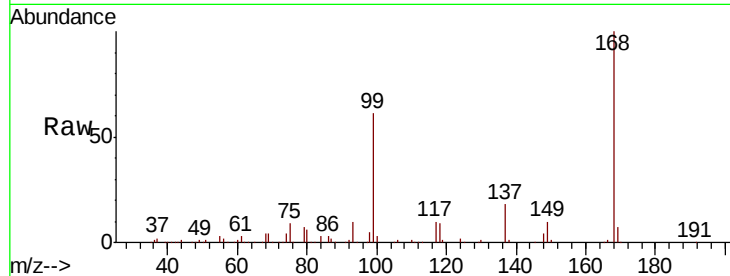




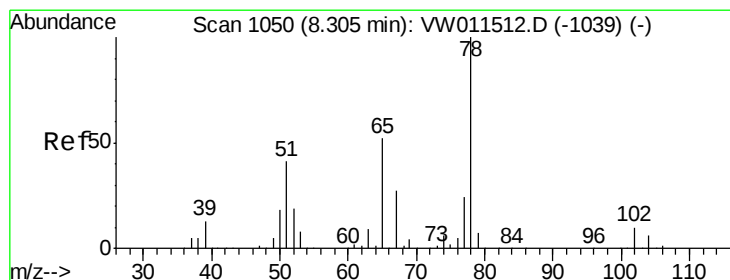
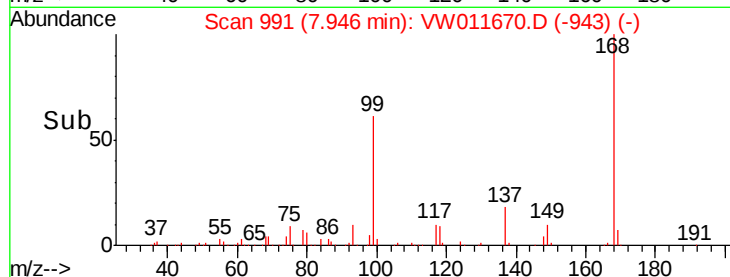
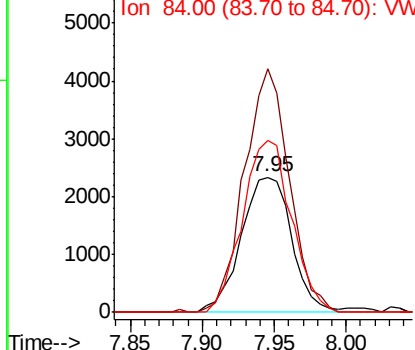
#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
2S-H4-(30)

Tgt Ion: 56 Resp: 5655
Ion Ratio Lower Upper
56 100
69 180.1 24.3 36.5#
84 127.2 60.4 90.6#

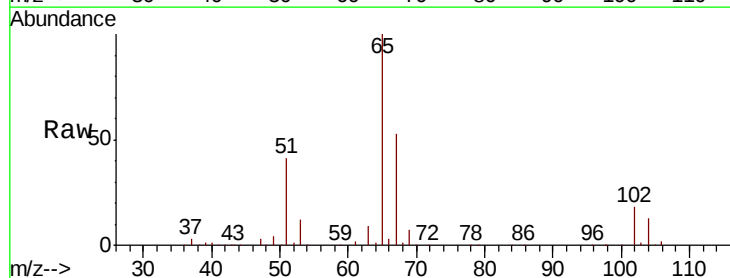


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

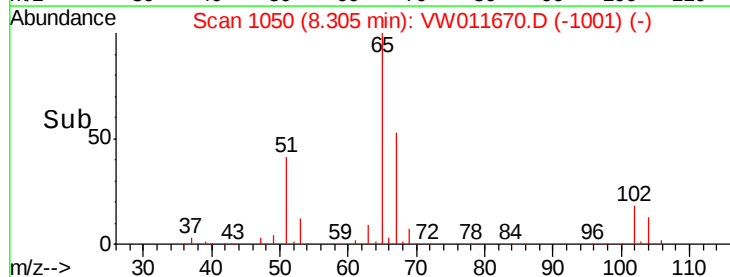
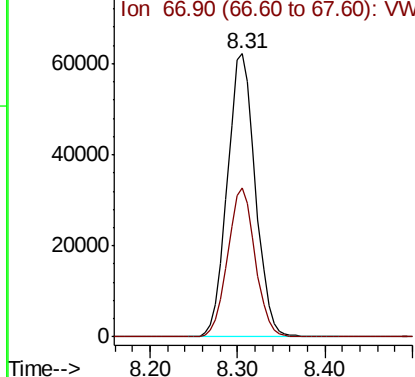


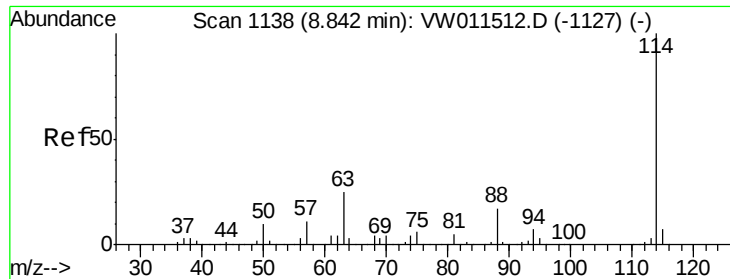
#33
1,2-Dichloroethane-d4
Concen: 57.237 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

Tgt Ion: 65 Resp: 138232
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.2



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

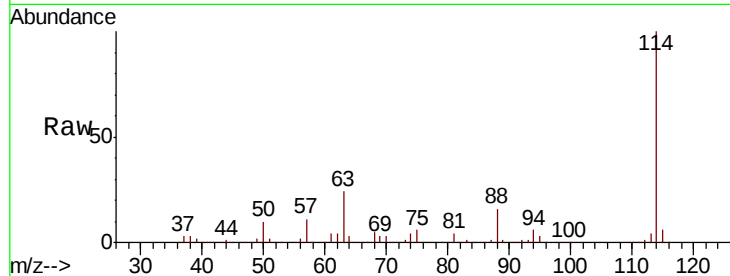




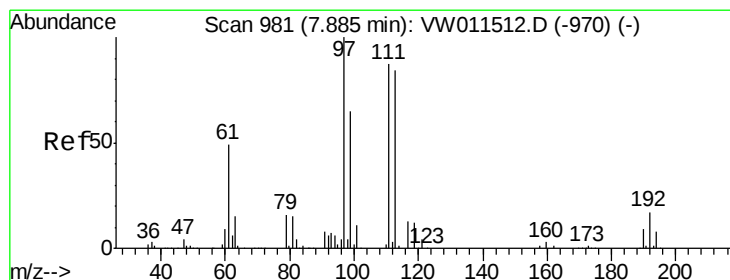
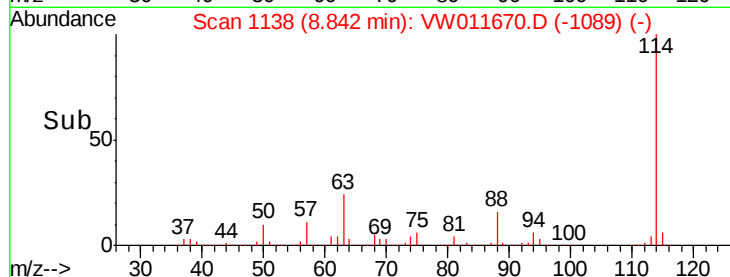
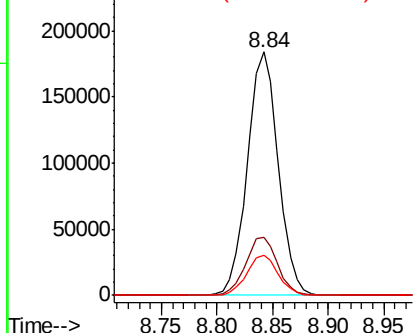
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011670.D
 Acq: 03 Aug 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H4-(30)

Tgt Ion:114 Resp: 354702
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 16.4 0.0 33.8

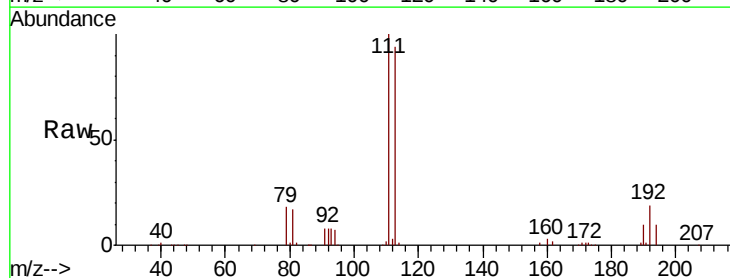


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

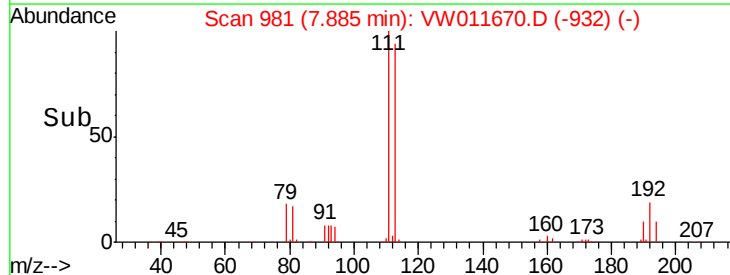
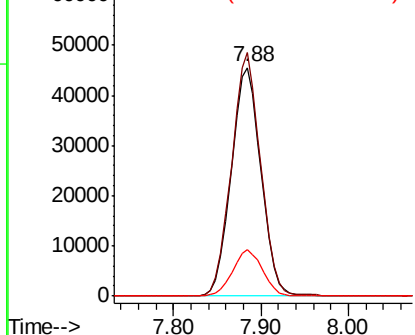


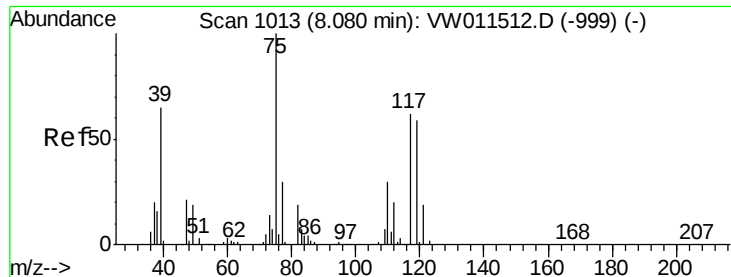
#35
 Dibromofluoromethane
 Concen: 54.032 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011670.D
 Acq: 03 Aug 2019 17:04

Tgt Ion:113 Resp: 107520
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.7 124.1
 192 20.5 16.1 24.1



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

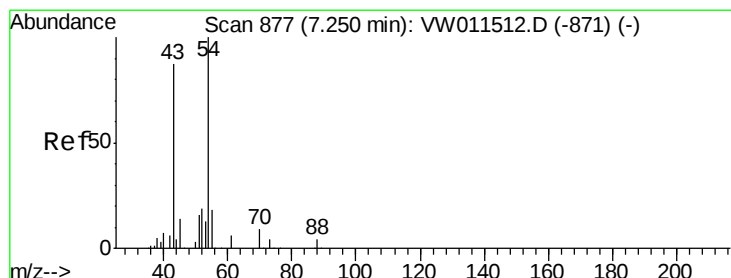
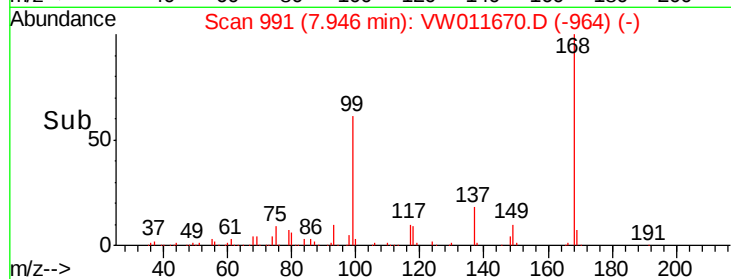
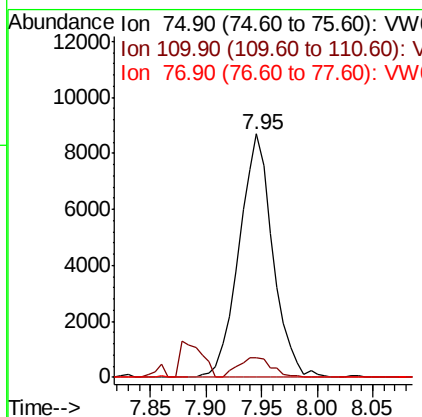
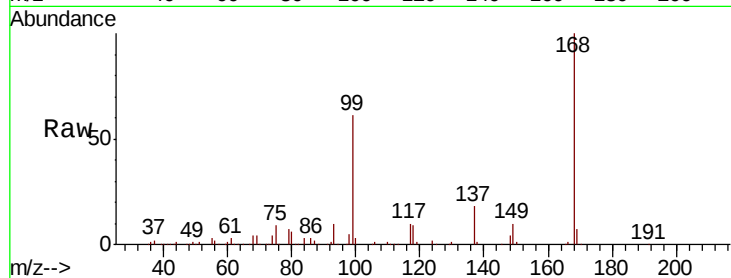




#36
 1,1-Dichloropropene
 Concen: 4.938 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011670.D
 Acq: 03 Aug 2019 17:04

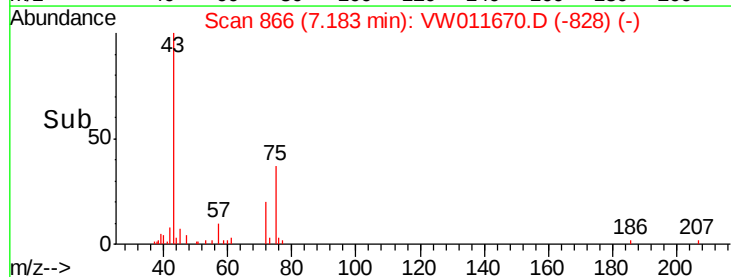
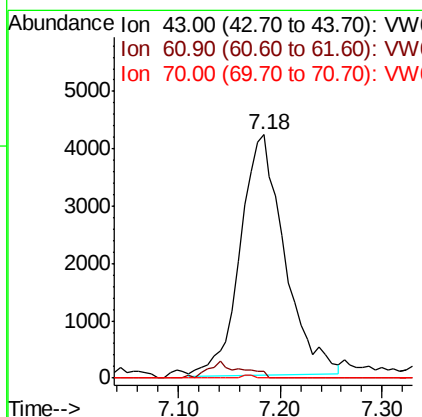
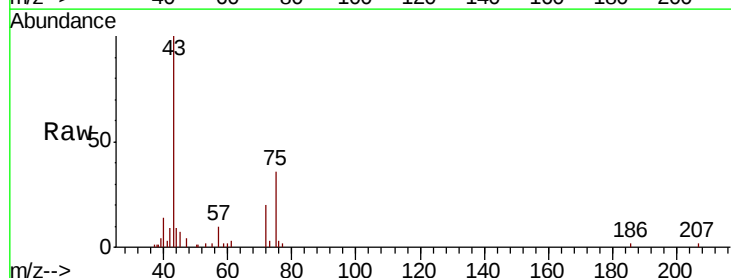
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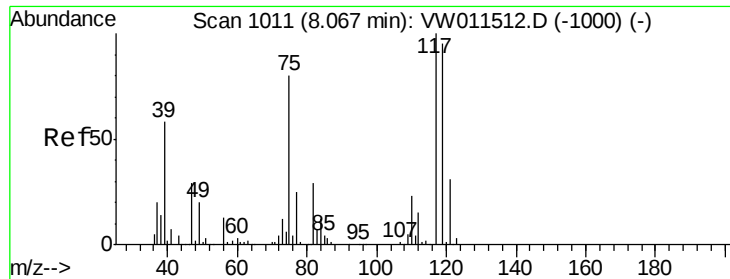
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.6	46.8#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 5.965 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW011670.D
 Acq: 03 Aug 2019 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	8.8	13.2#
70	0.3	7.1	10.7#

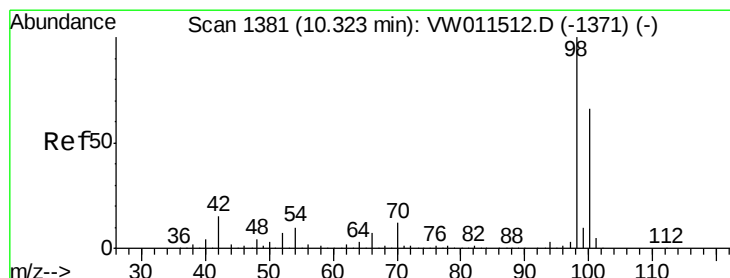
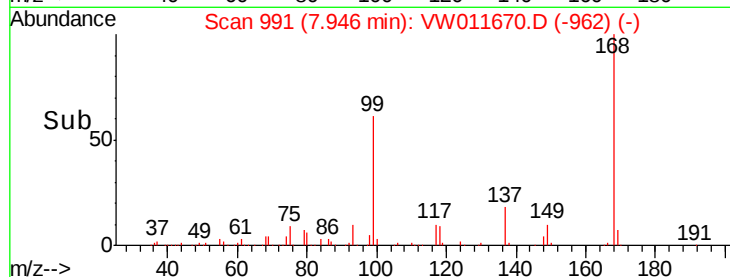
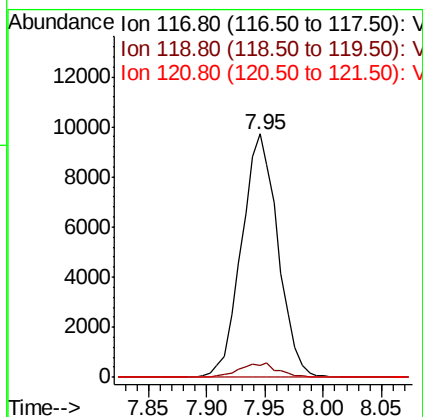
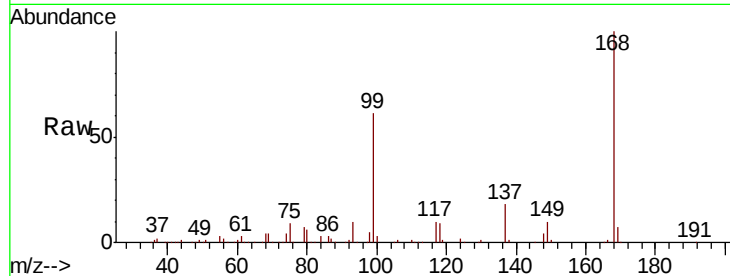




#38
Carbon Tetrachloride
Concen: 6.711 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

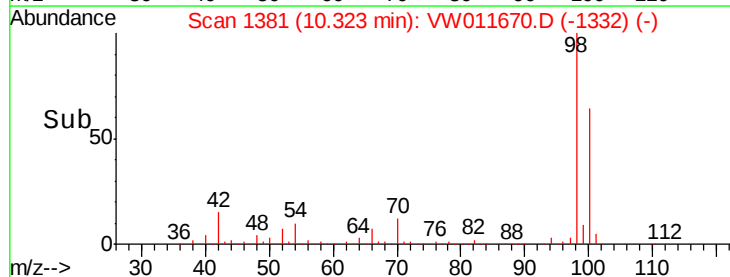
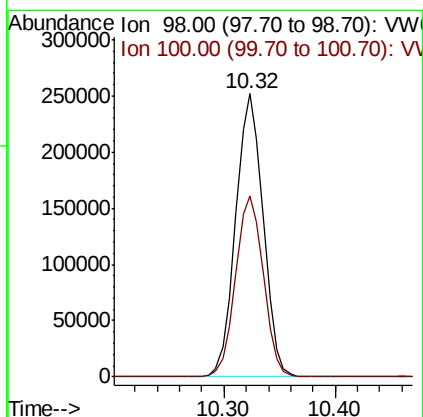
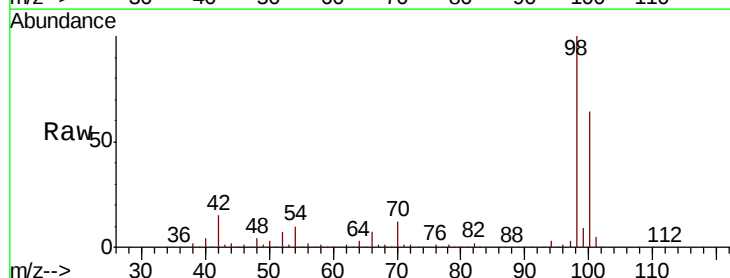
Instrument :
MSVOA_W
ClientSampleId :
2S-H4-(30)

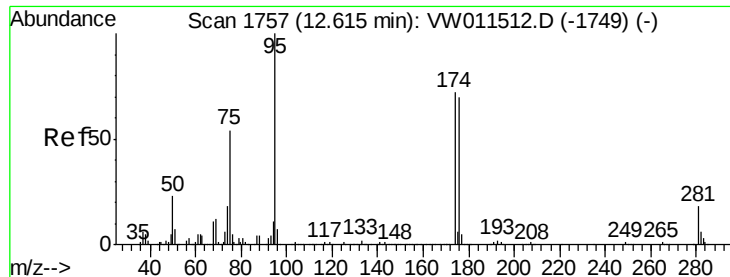
Tgt Ion:117 Resp: 21190
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.849 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

Tgt Ion: 98 Resp: 430585
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1

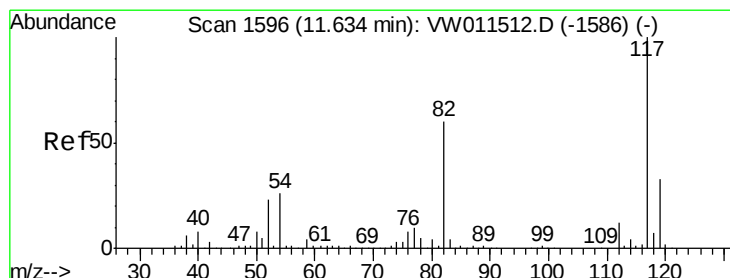
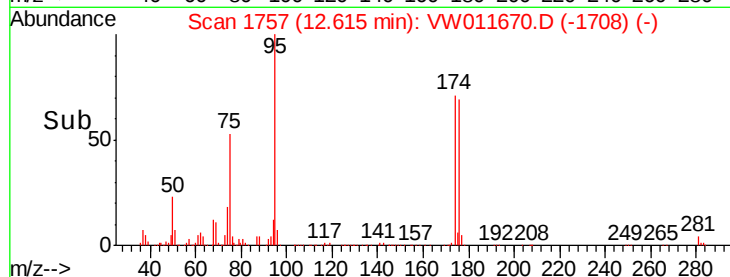
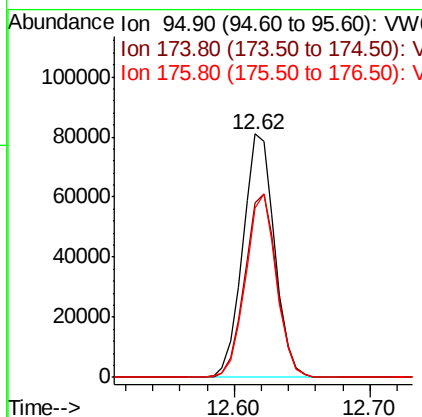
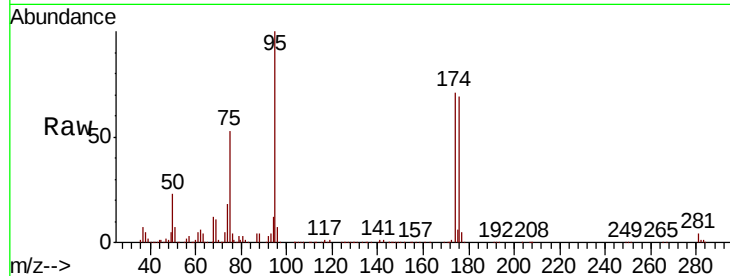




#62
4-Bromofluorobenzene
Concen: 45.428 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

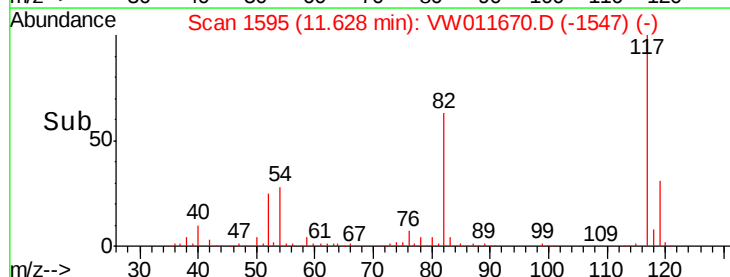
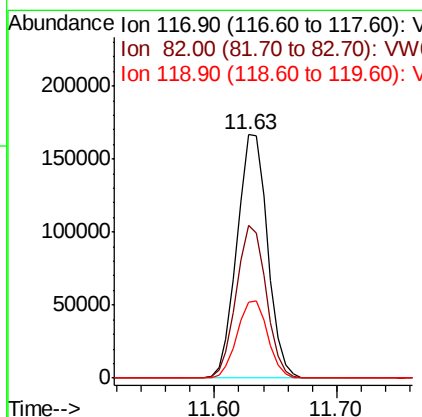
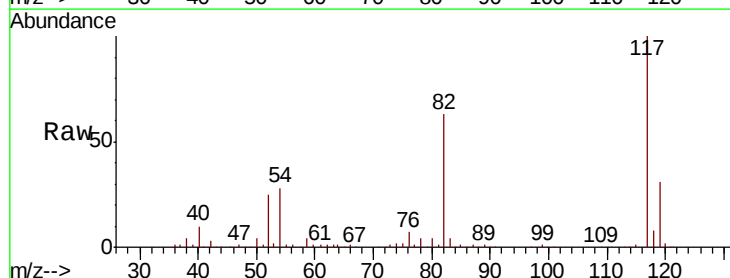
Instrument :
MSVOA_W
ClientSampleId :
2S-H4-(30)

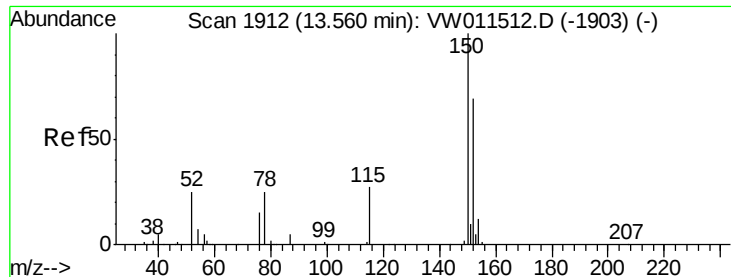
Tgt Ion: 95 Resp: 131955
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.2
176 73.0 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011670.D
Acq: 03 Aug 2019 17:04

Tgt Ion: 117 Resp: 288640
Ion Ratio Lower Upper
117 100
82 62.8 47.9 71.9
119 31.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011670.D

Acq: 03 Aug 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

2S-H4-(30)

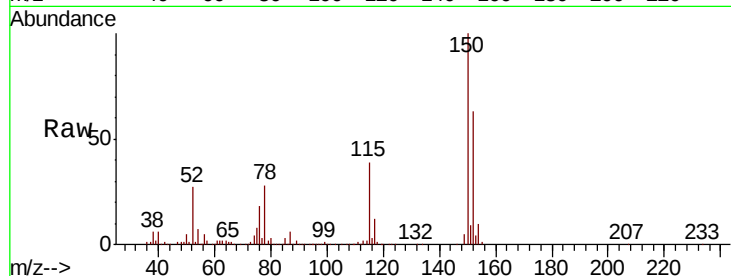
Tgt Ion: 152 Resp: 109804

Ion Ratio Lower Upper

152 100

115 61.2 30.5 91.5

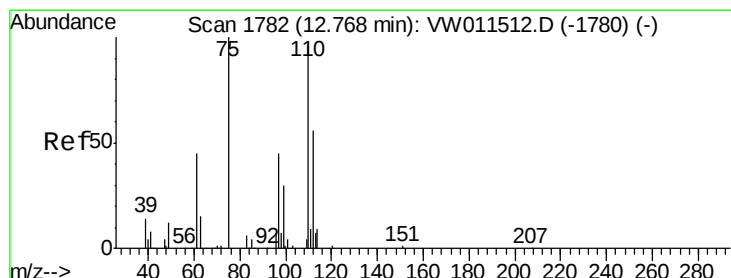
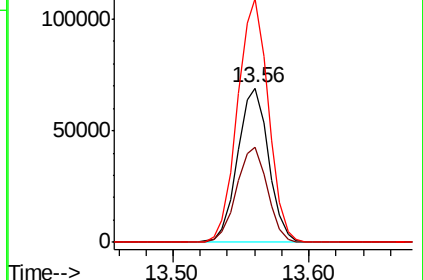
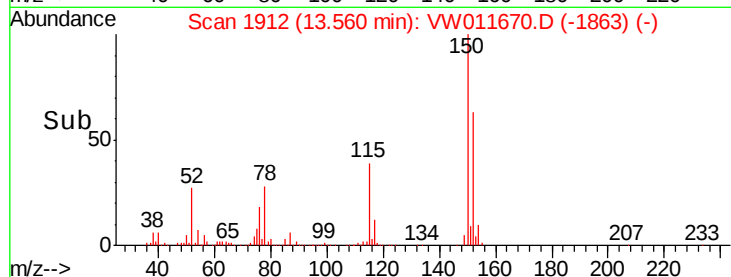
150 157.4 0.0 352.6



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: 60.689 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011670.D

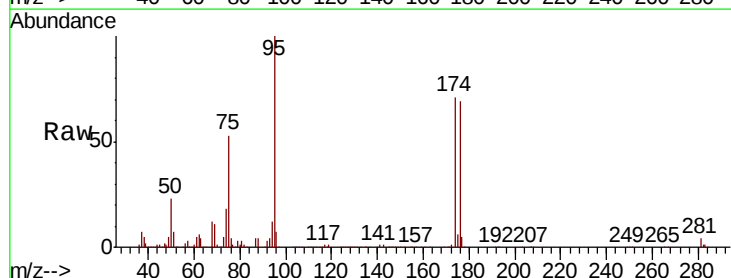
Acq: 03 Aug 2019 17:04

Tgt Ion: 75 Resp: 70512

Ion Ratio Lower Upper

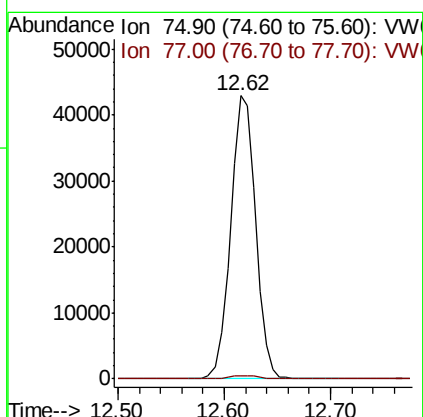
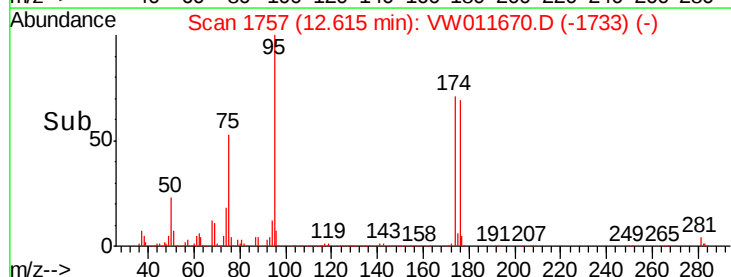
75 100

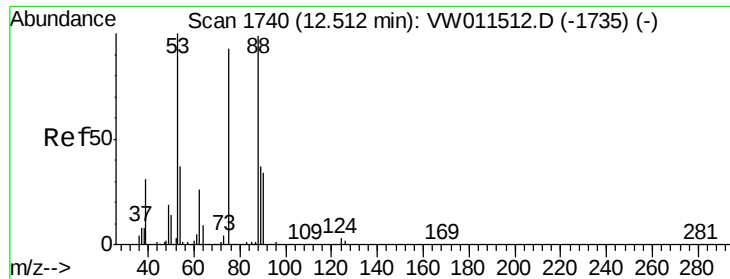
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

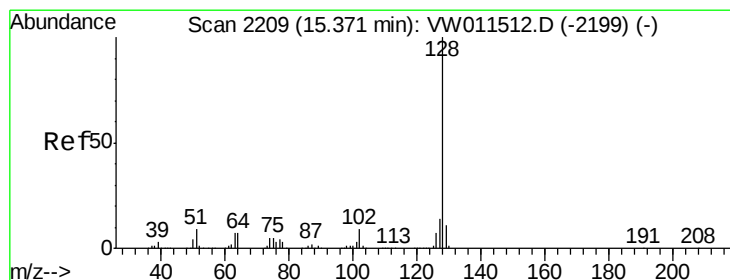
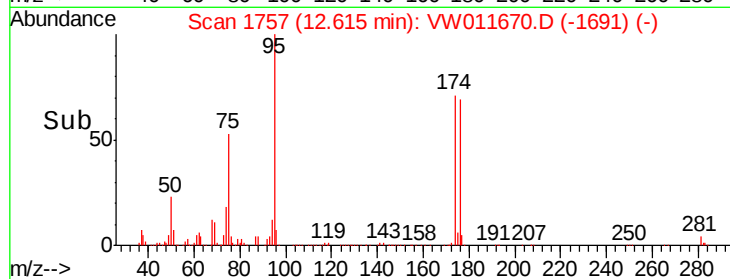
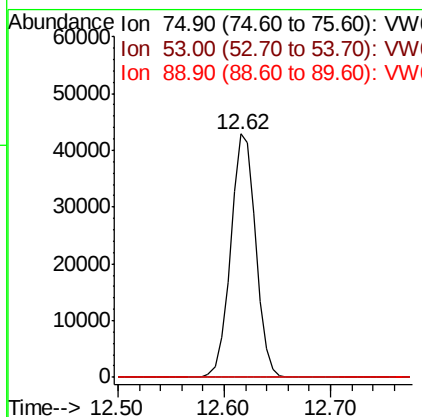
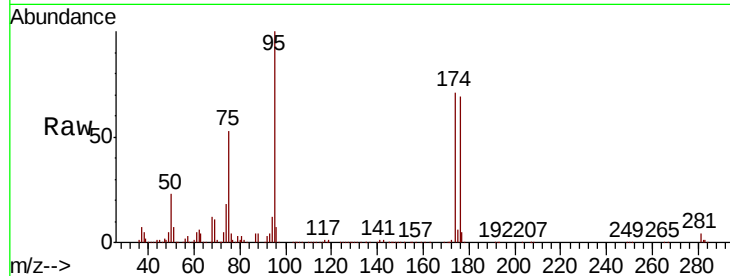




#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.868 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011670.D
 Acq: 03 Aug 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-H4-(30)

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.0	132.0#
89	0.1	35.3	52.9#



#95
 Naphthalene
 Concen: 5.111 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011670.D
 Acq: 03 Aug 2019 17:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.6	16.0
129	11.0	8.6	13.0

