

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011089.D
 Acq On : 01 Jul 2019 17:08
 Operator : SY/VA
 Sample : K3555-13RE
 Misc : 4.54G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SAMPLE-12

Quant Time: Jul 02 08:36:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82508	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	127000	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
35) Dibromofluoromethane	7.88	113	97840	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.32	98	389911	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.62	95	107767	36.85	ug/l	0.00
Spiked Amount			Recovery	=	73.70%	

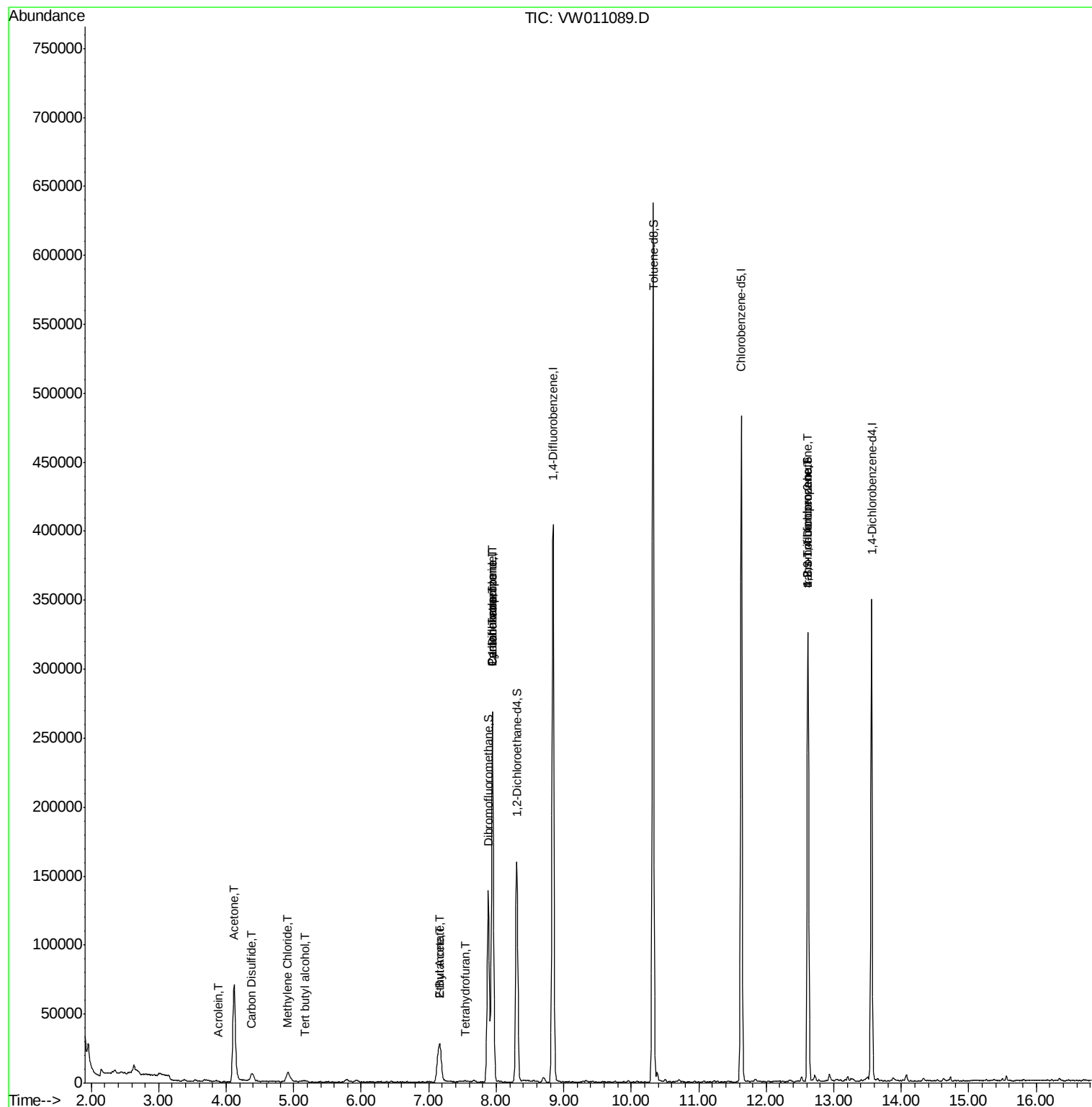
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1282	7.148	ug/l	98
13) Acrolein	3.89	56	148	1.058	ug/l #	15
16) Acetone	4.12	43	128214	212.692	ug/l	100
17) Carbon Disulfide	4.37	76	8909	1.469	ug/l #	92
20) Methylene Chloride	4.91	84	5038	2.057	ug/l	93
25) 2-Butanone	7.17	43	36182	39.487	ug/l	97
29) Tetrahydrofuran	7.54	42	634	1.111	ug/l #	50
31) Cyclohexane	7.95	56	4995	1.057	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16978	4.965	ug/l #	51
37) Ethyl Acetate	7.17	43	36182	18.188	ug/l #	73
38) Carbon Tetrachloride	7.95	117	19236	6.831	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	57414	65.912	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57414	132.839	ug/l #	3

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

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Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 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: VW011089.D

Acq: 01 Jul 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

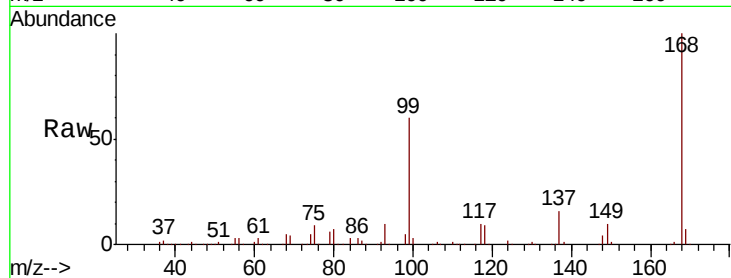
SAMPLE-12

Tot Ion:168 Resp: 188913

Ion Ratio Lower Upper

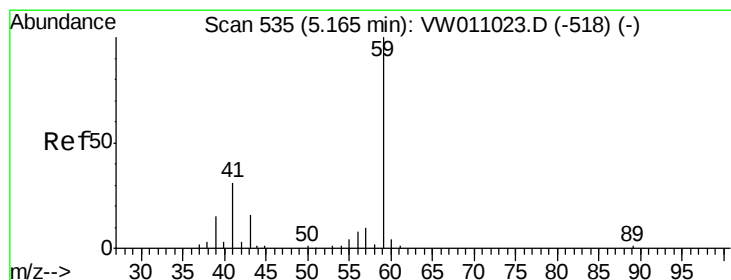
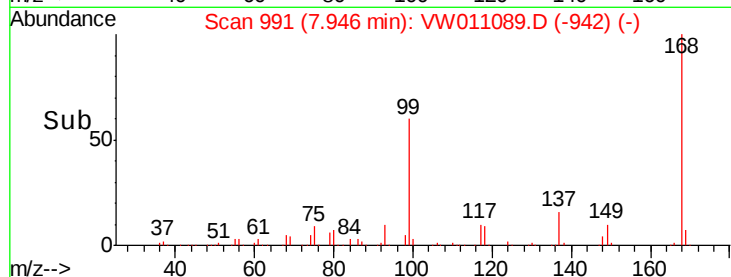
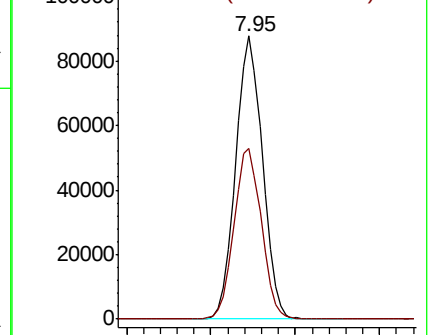
168 100

99 60.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 7.148 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW011089.D

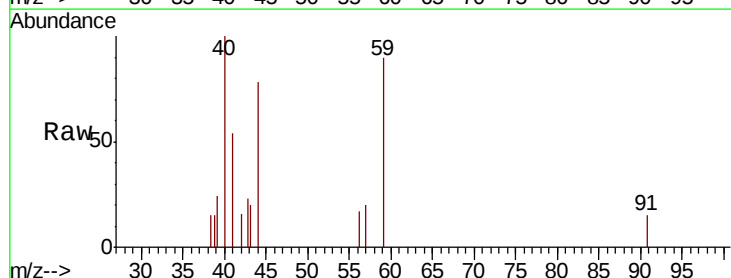
Acq: 01 Jul 2019 17:08

Tgt Ion: 59 Resp: 1282

Ion Ratio Lower Upper

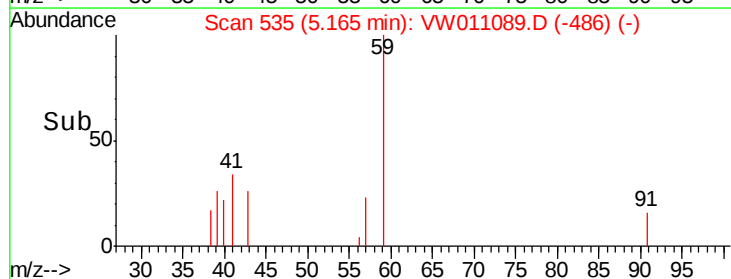
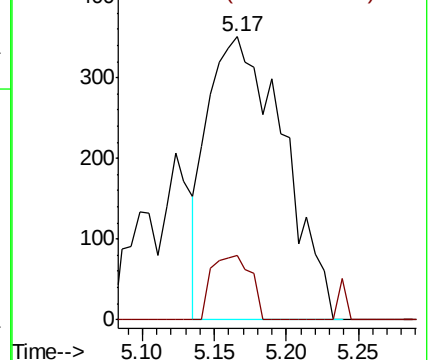
59 100

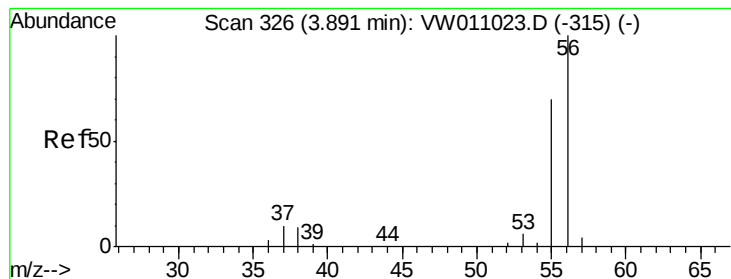
57 11.8 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.058 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011089.D

Acq: 01 Jul 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

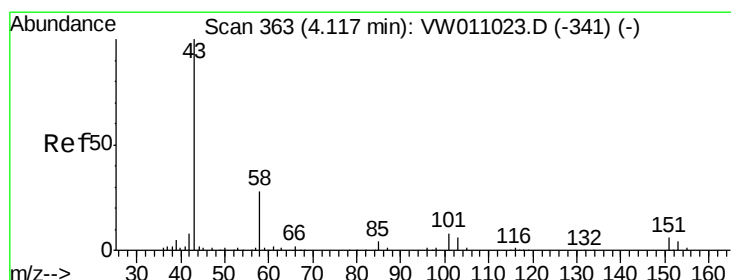
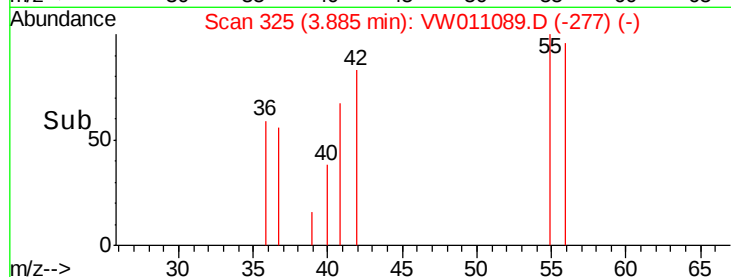
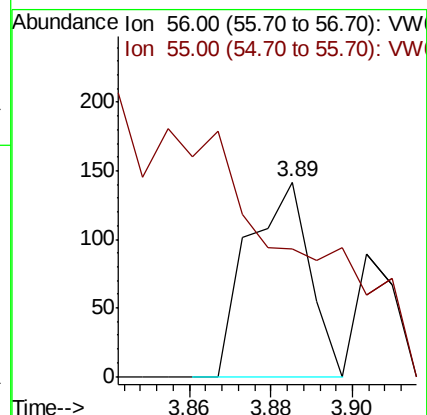
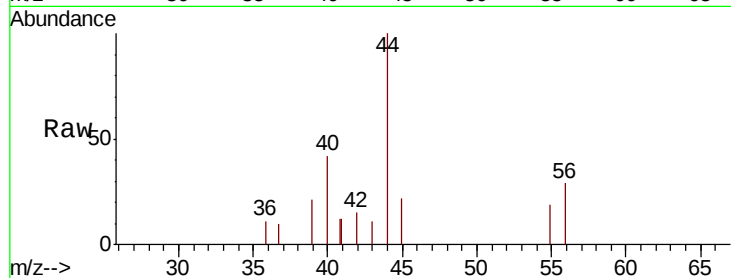
SAMPLE-12

Tot Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#16

Acetone

Concen: 212.692 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011089.D

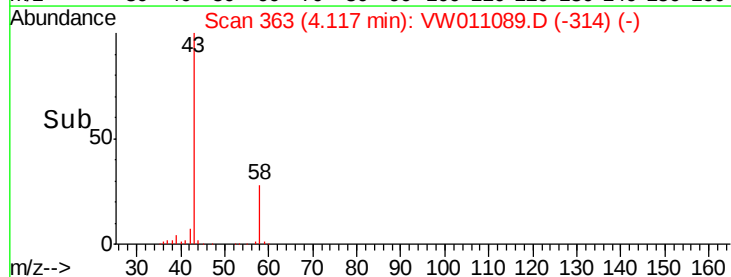
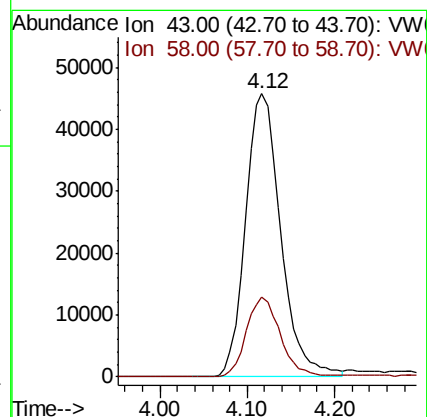
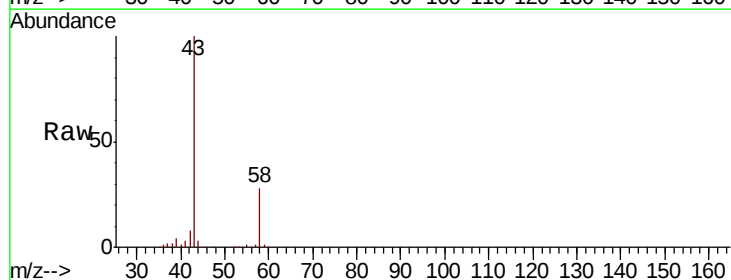
Acq: 01 Jul 2019 17:08

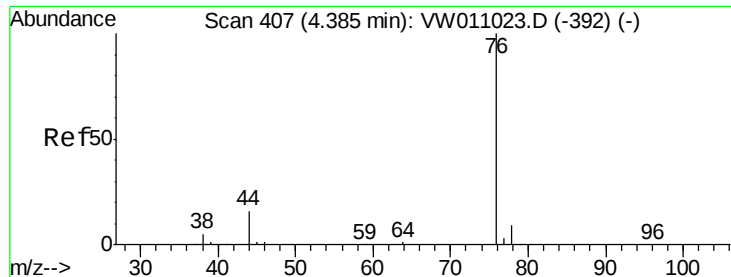
Tgt Ion: 43 Resp: 128214

Ion Ratio Lower Upper

43 100

58 28.0 22.5 33.7





#17

Carbon Disulfide

Concen: 1.469 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011089.D

Acq: 01 Jul 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

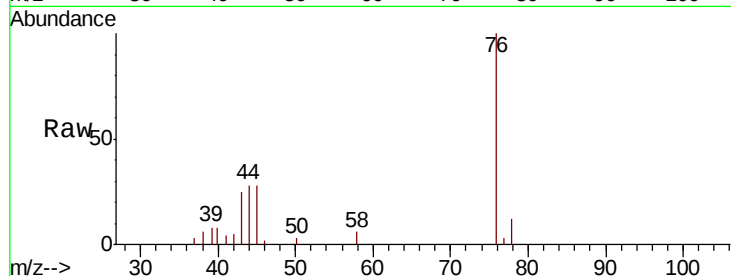
SAMPLE-12

Tot Ion: 76 Resp: 8909

Ion Ratio Lower Upper

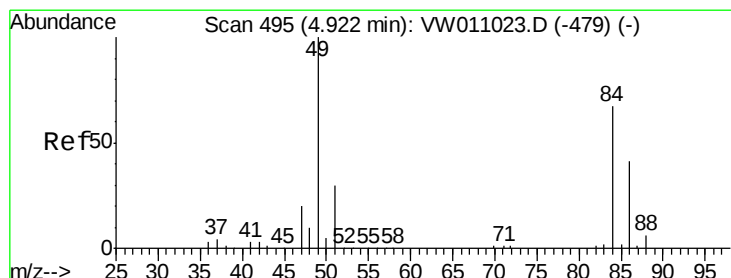
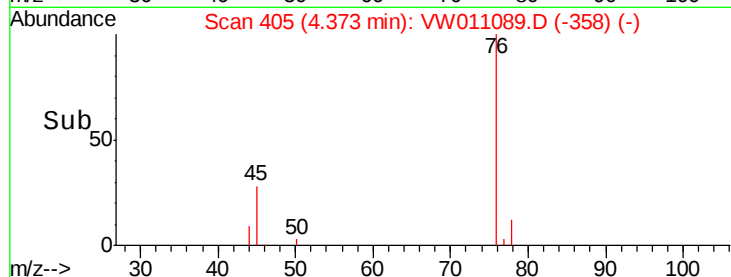
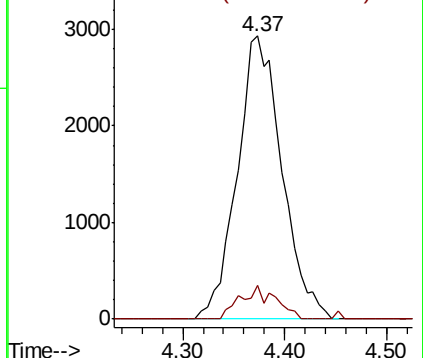
76 100

78 11.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 2.057 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011089.D

Acq: 01 Jul 2019 17:08

Tgt Ion: 84 Resp: 5038

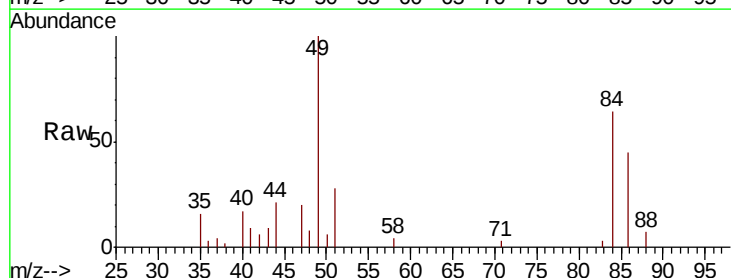
Ion Ratio Lower Upper

84 100

49 156.7 119.6 179.4

51 43.3 35.6 53.4

86 70.4 49.0 73.6

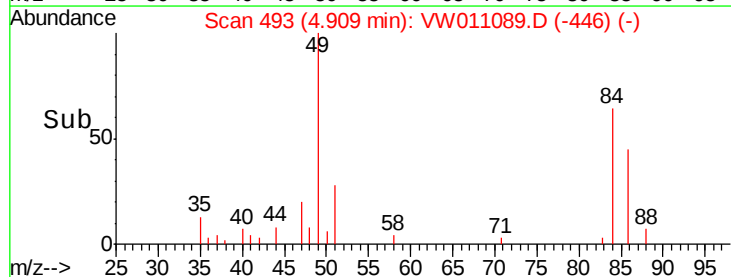
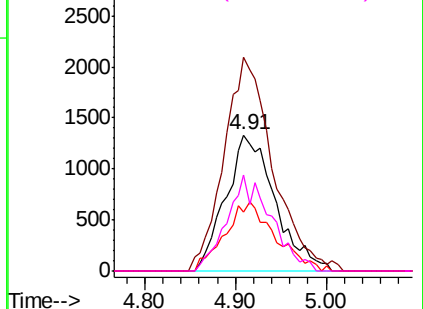


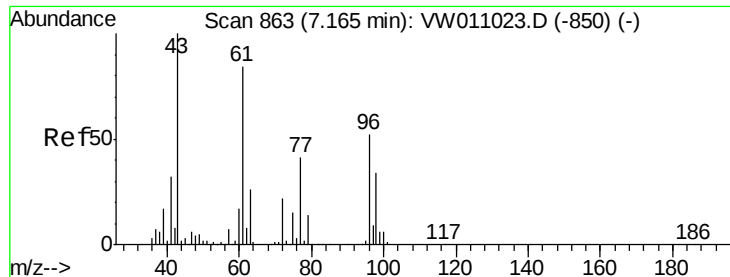
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 39.487 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011089.D

Acq: 01 Jul 2019 17:08

Instrument :

MSVOA_W

ClientSampled :

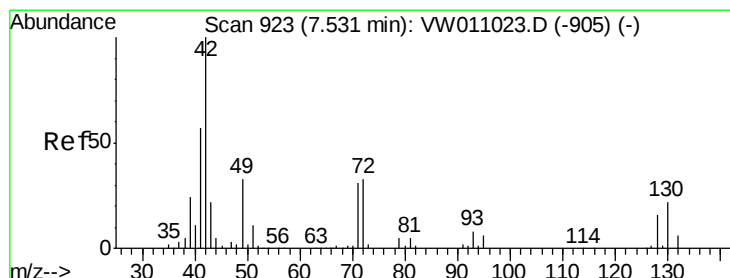
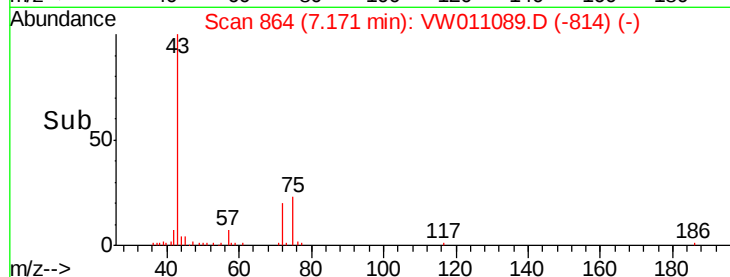
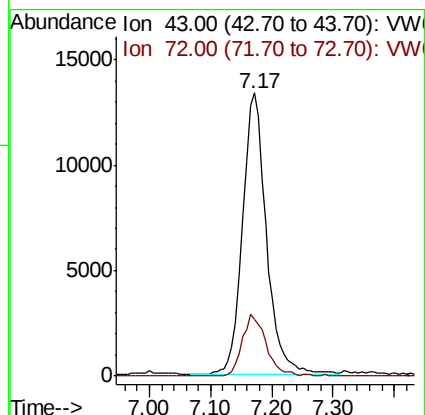
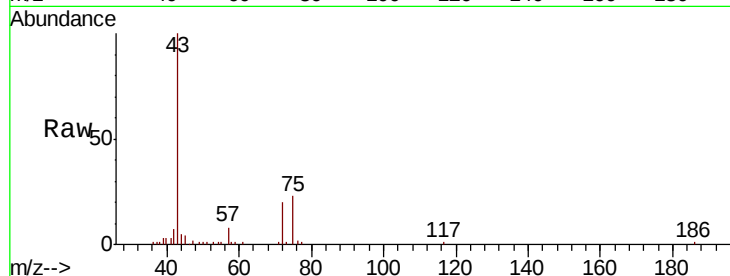
SAMPLE-12

Tot Ion: 43 Resp: 36182

Ion Ratio Lower Upper

43 100

72 20.2 17.2 25.8



#29

Tetrahydrofuran

Concen: 1.111 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011089.D

Acq: 01 Jul 2019 17:08

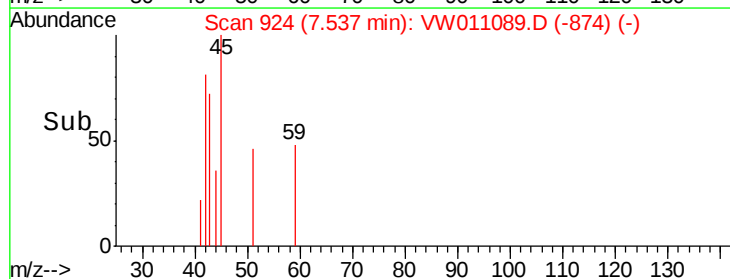
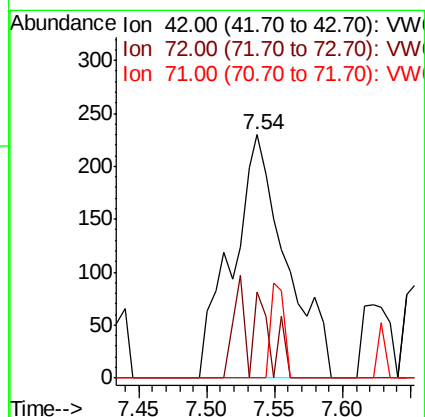
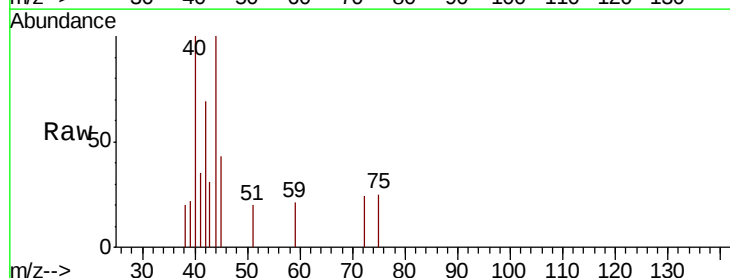
Tgt Ion: 42 Resp: 634

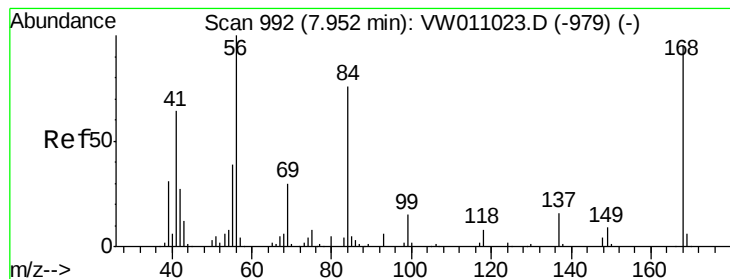
Ion Ratio Lower Upper

42 100

72 0.0 27.4 41.0#

71 9.9 25.6 38.4#





#31

Cyclohexane

Concen: 1.057 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011089.D

Acq: 01 Jul 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-12

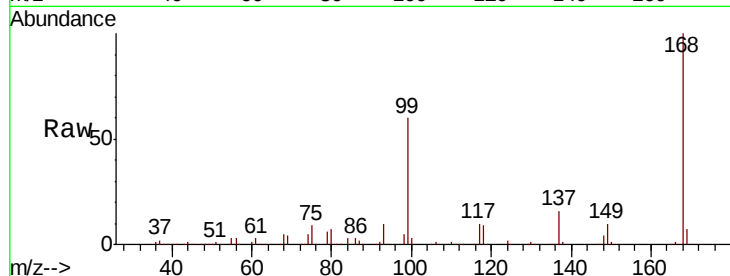
Tot Ion: 56 Resp: 4995

Ion Ratio Lower Upper

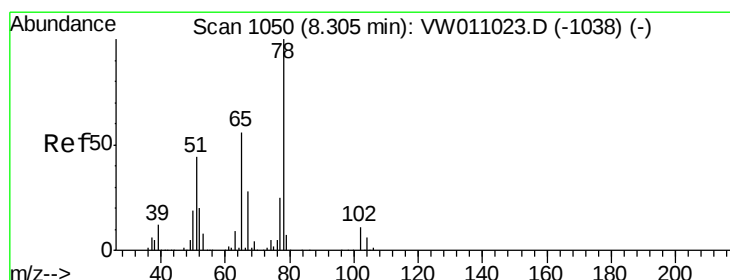
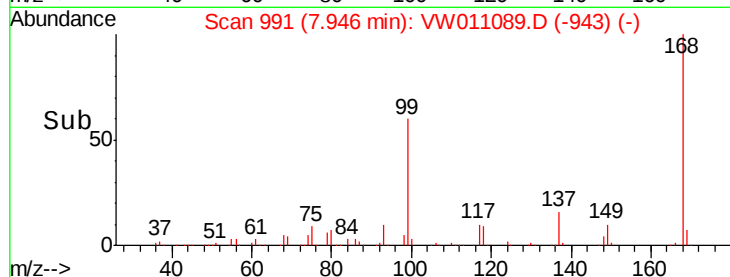
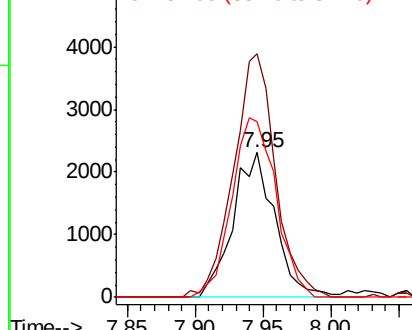
56 100

69 168.1 24.2 36.2#

84 121.3 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: 51.425 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011089.D

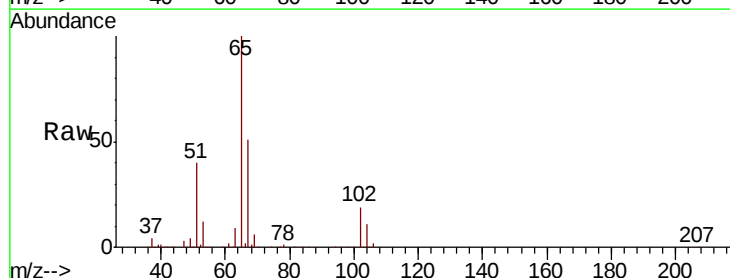
Acq: 01 Jul 2019 17:08

Tgt Ion: 65 Resp: 127000

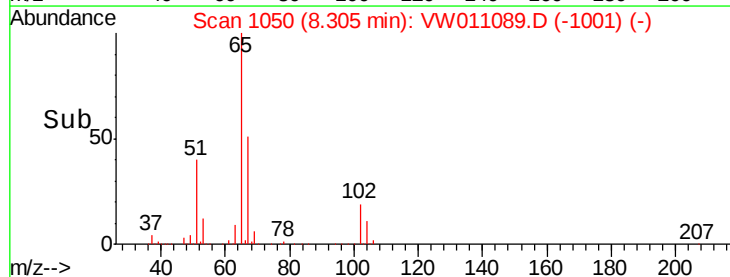
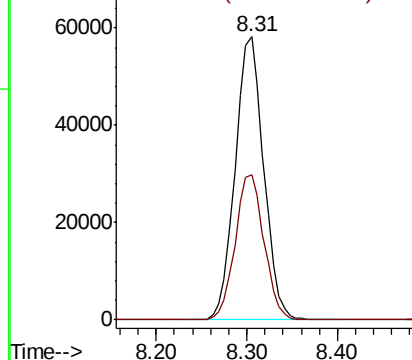
Ion Ratio Lower Upper

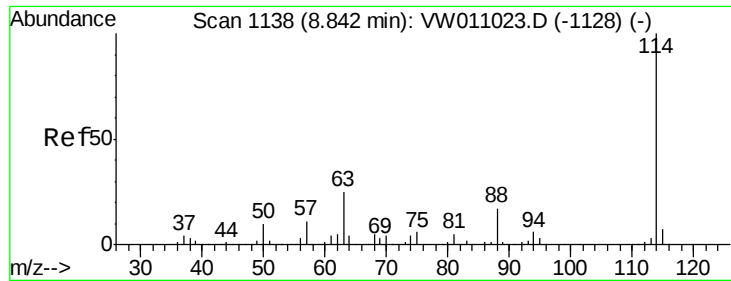
65 100

67 51.7 0.0 102.4



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

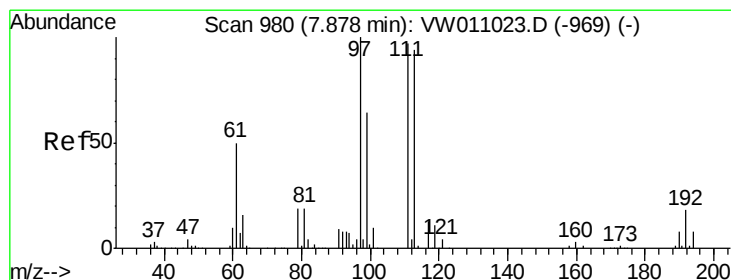
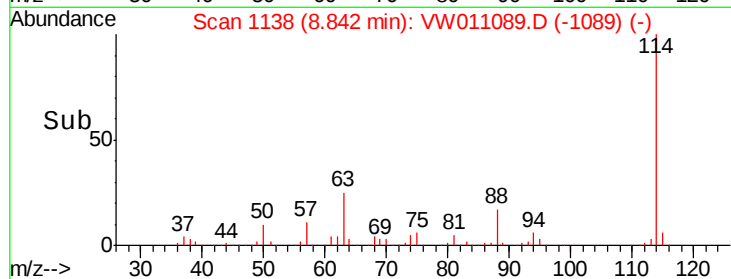
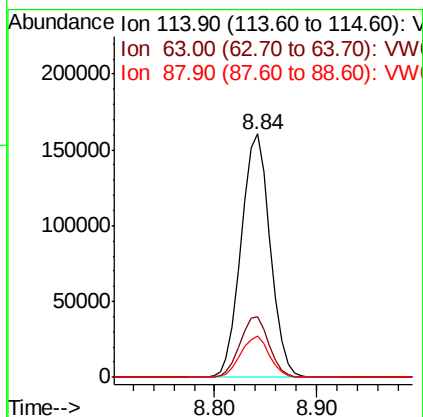
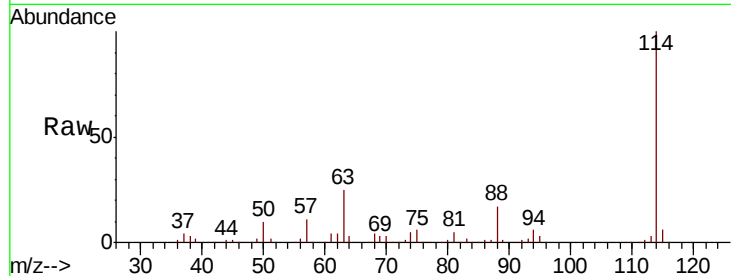




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011089.D
Acq: 01 Jul 2019 17:08

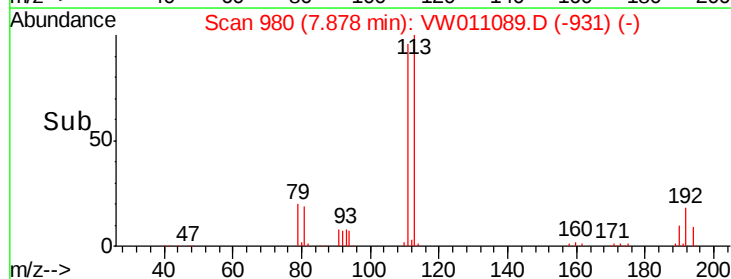
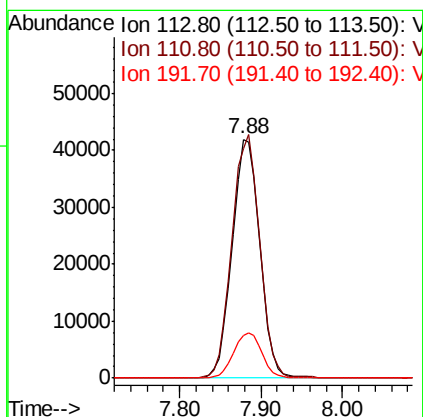
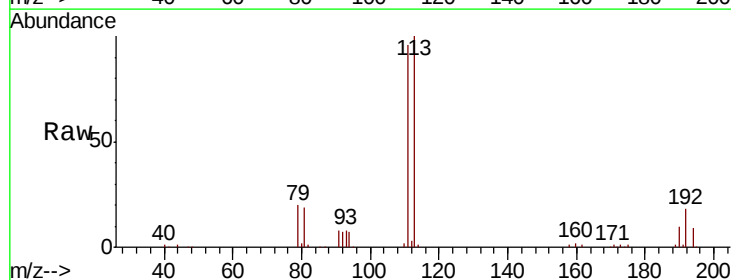
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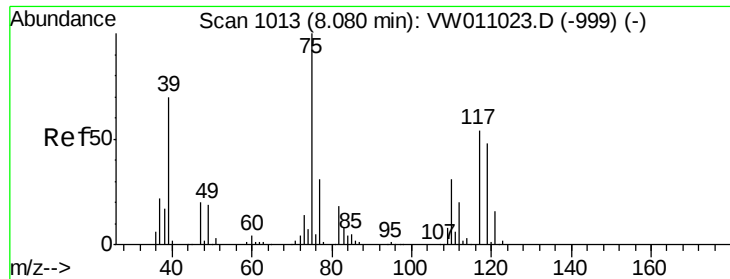
Tot Ion:114 Resp: 318148
Ion Ratio Lower Upper
114 100
63 25.0 0.0 50.6
88 16.8 0.0 34.0



#35
Dibromofluoromethane
Concen: 50.362 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW011089.D
Acq: 01 Jul 2019 17:08

Tgt Ion:113 Resp: 97840
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.6
192 19.4 16.0 24.0

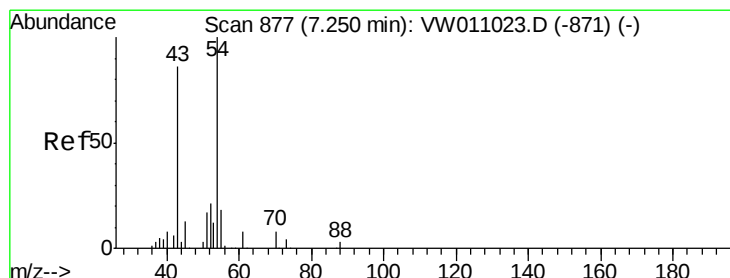
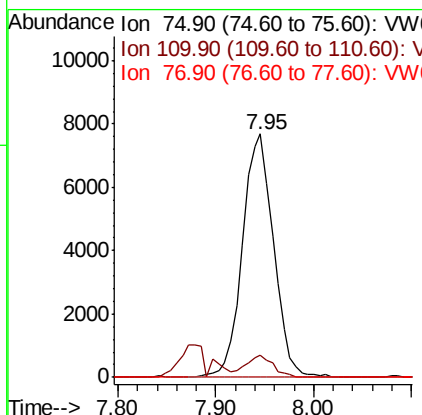
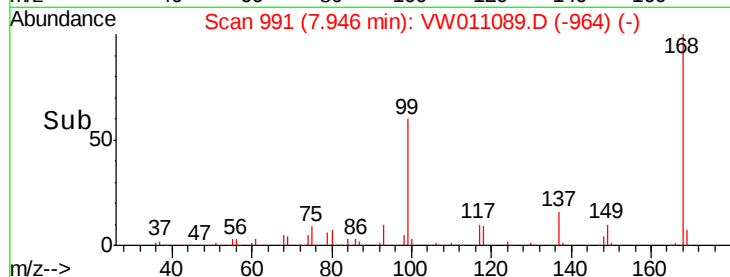
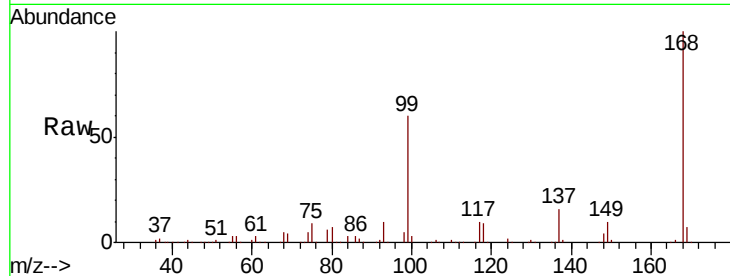




#36
 1,1-Dichloropropene
 Concen: 4.965 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011089.D
 Acq: 01 Jul 2019 17:08

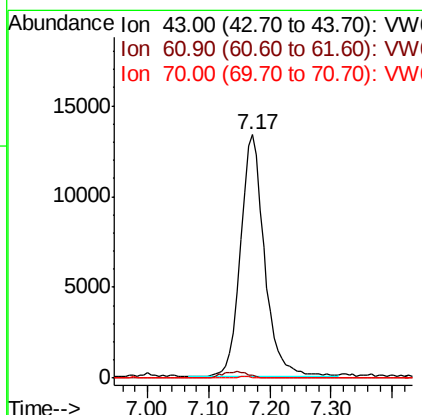
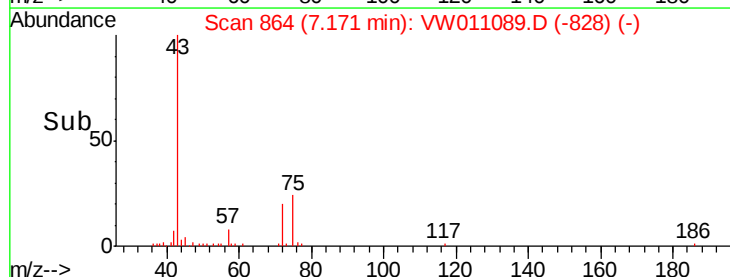
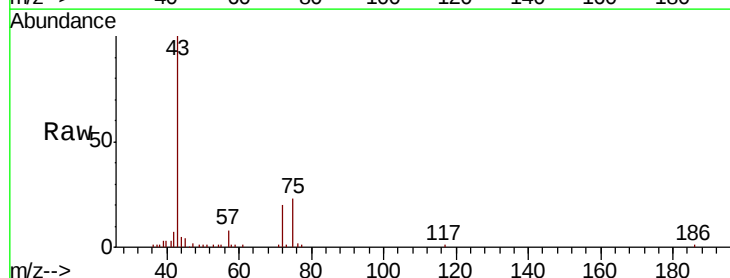
Instrument :
 MSVOA_W
 ClientSampleId :
 SAMPLE-12

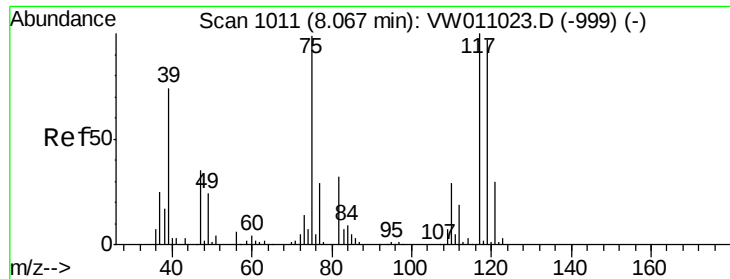
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.5	46.5#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 18.188 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW011089.D
 Acq: 01 Jul 2019 17:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.0	13.4#
70	0.2	7.2	10.8#

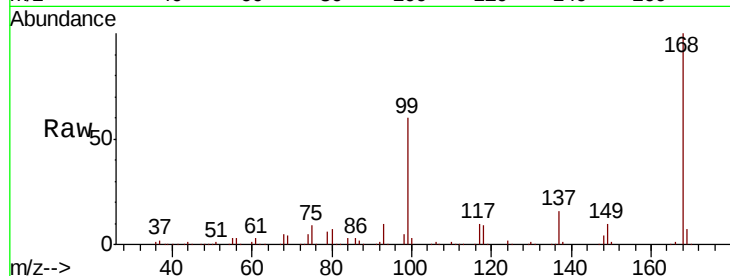




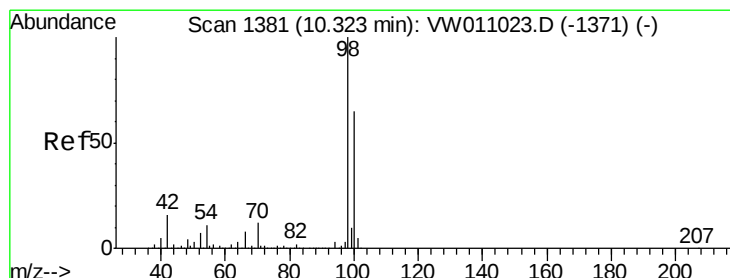
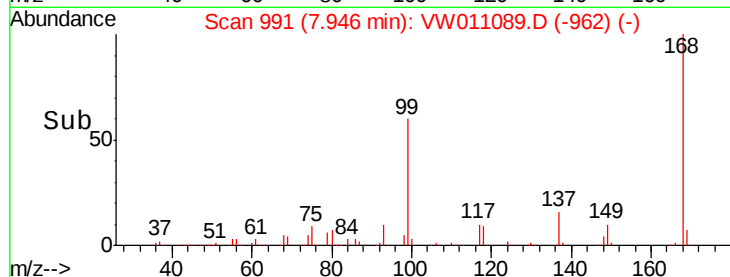
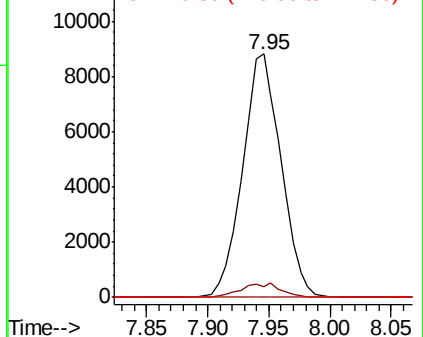
#38
Carbon Tetrachloride
Concen: 6.831 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011089.D
Acq: 01 Jul 2019 17:08

Instrument :
MSVOA_W
ClientSampleId :
SAMPLE-12

Tot Ion:117 Resp: 19236
Ion Ratio Lower Upper
117 100
119 4.5 77.7 116.5#
121 0.0 23.9 35.9#

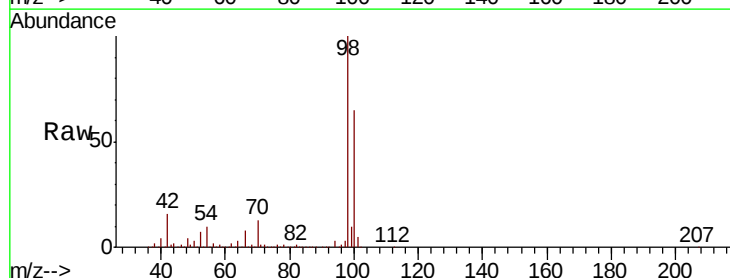


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

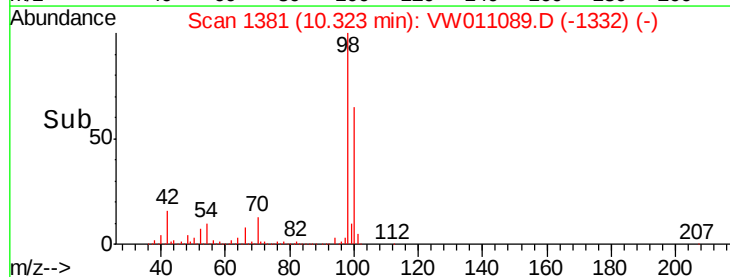
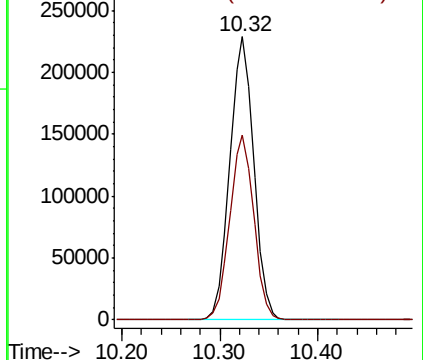


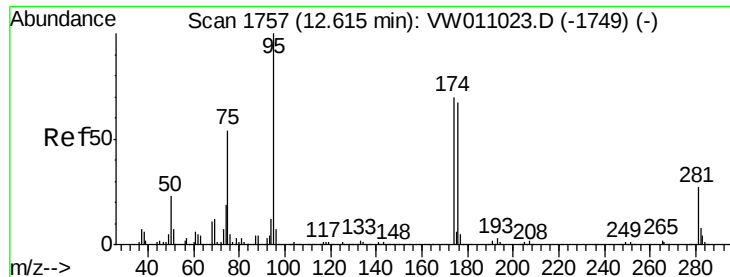
#50
Toluene-d8
Concen: 48.758 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011089.D
Acq: 01 Jul 2019 17:08

Tgt Ion: 98 Resp: 389911
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



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

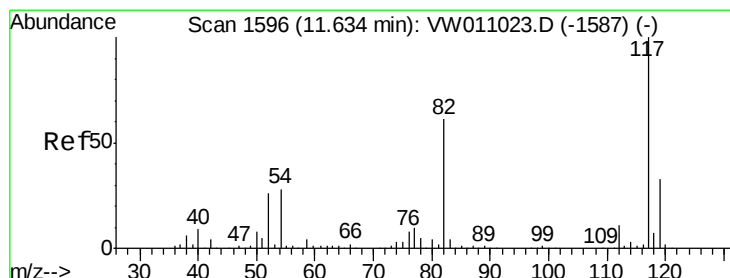
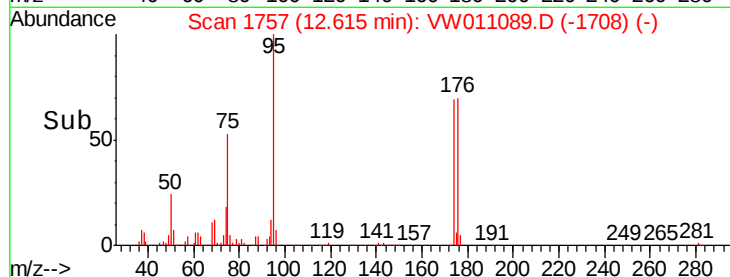
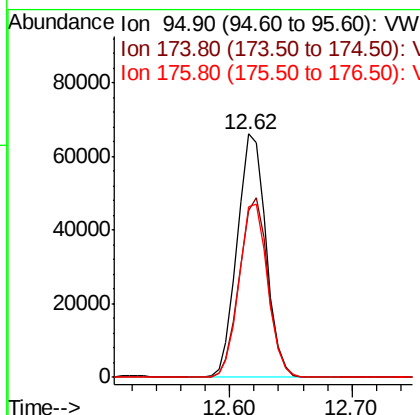
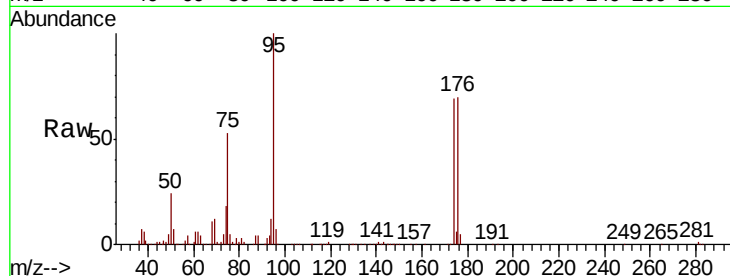




#62
4-Bromofluorobenzene
Concen: 36.845 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011089.D
Acq: 01 Jul 2019 17:08

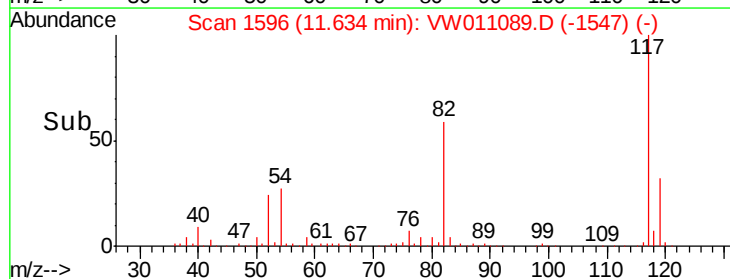
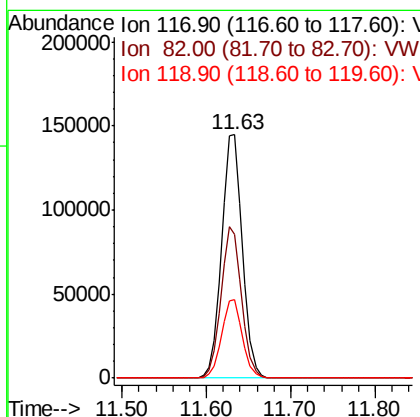
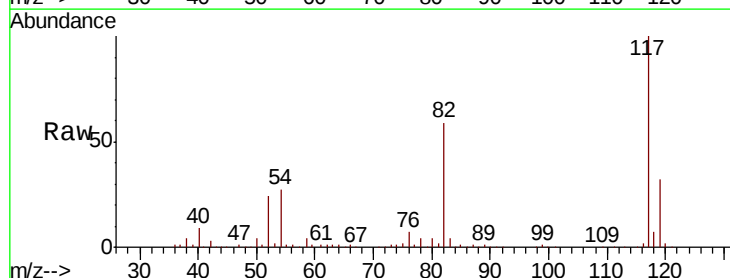
Instrument :
MSVOA_W
ClientSampled :
SAMPLE-12

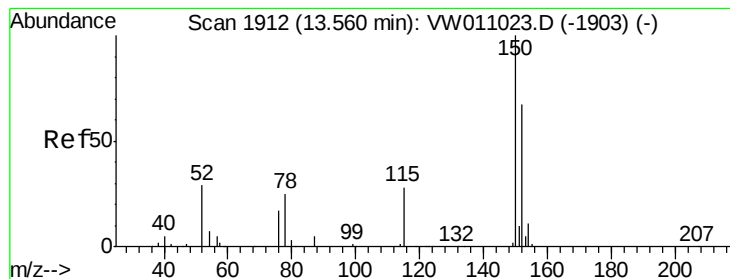
Tot Ion: 95 Resp: 107767
Ion Ratio Lower Upper
95 100
174 73.4 0.0 149.2
176 70.9 0.0 143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011089.D
Acq: 01 Jul 2019 17:08

Tgt Ion: 117 Resp: 246506
Ion Ratio Lower Upper
117 100
82 59.0 48.6 73.0
119 32.0 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011089.D

Acq: 01 Jul 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-12

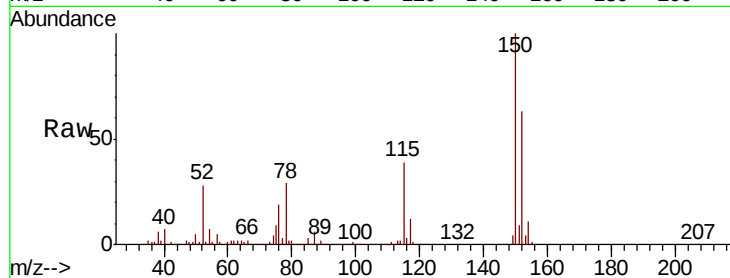
Tot Ion:152 Resp: 82508

Ion Ratio Lower Upper

152 100

115 61.1 30.7 92.1

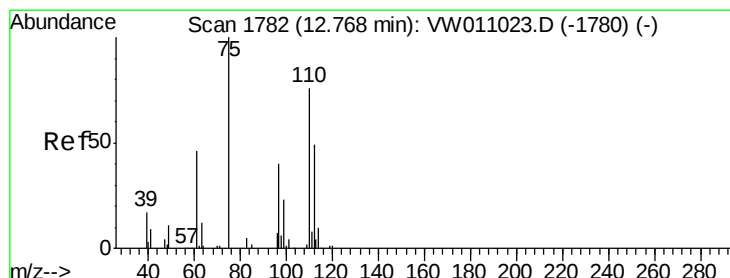
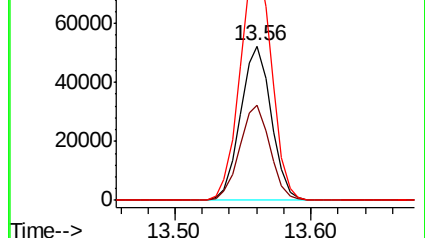
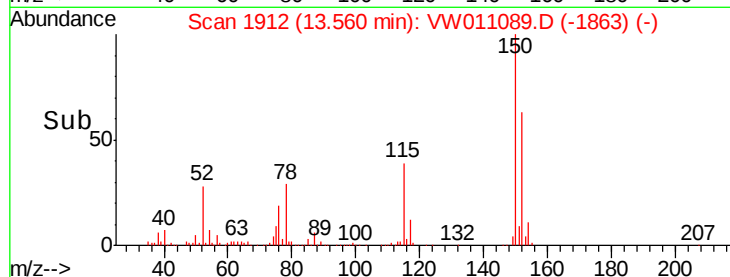
150 158.2 0.0 341.8



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: 65.912 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011089.D

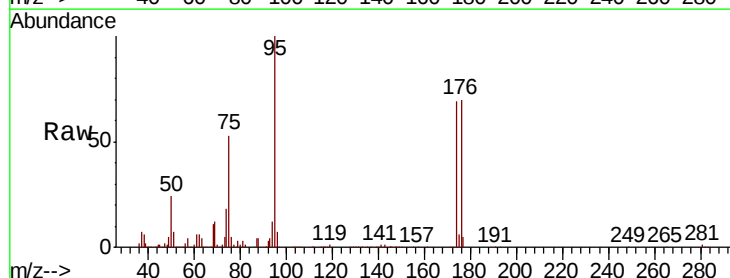
Acq: 01 Jul 2019 17:08

Tgt Ion: 75 Resp: 57414

Ion Ratio Lower Upper

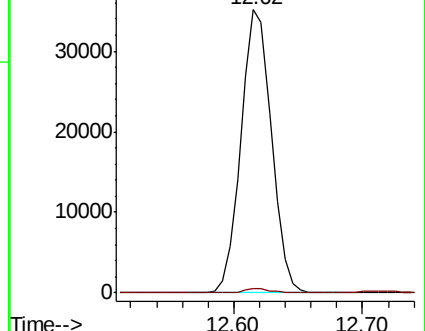
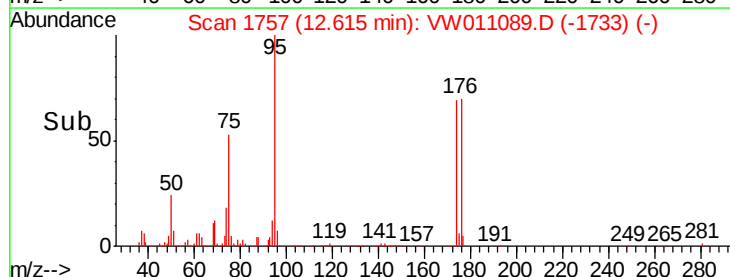
75 100

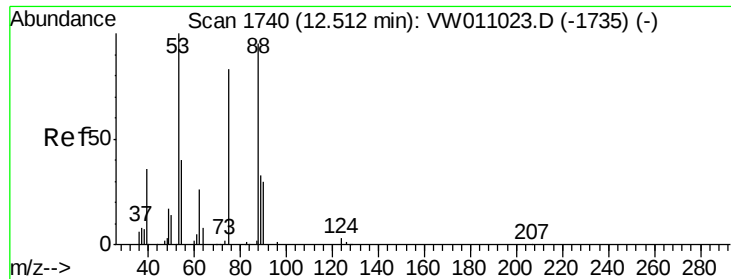
77 1.4 0.0 0.0#



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: 132.839 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011089.D

Acq: 01 Jul 2019 17:08

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-12

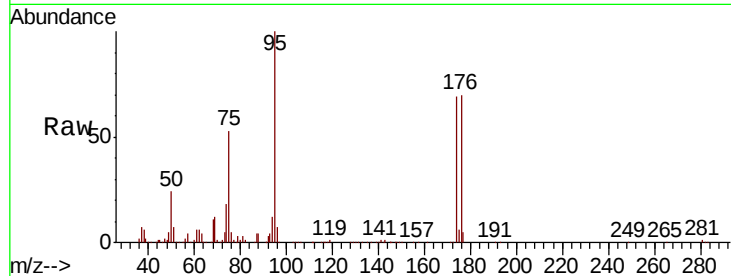
Tot Ion: 75 Resp: 57414

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 34.4 51.6#



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

