

Data File : VW008243.D
Acq On : 14 Jan 2019 13:31
Operator : SY/VA
Sample : K1131-02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
57-01-011019

Quant Time: Jan 14 21:12:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	91407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	159626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52388	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.88	113	50939	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
50) Toluene-d8	10.32	98	202967	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.62	95	66533	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

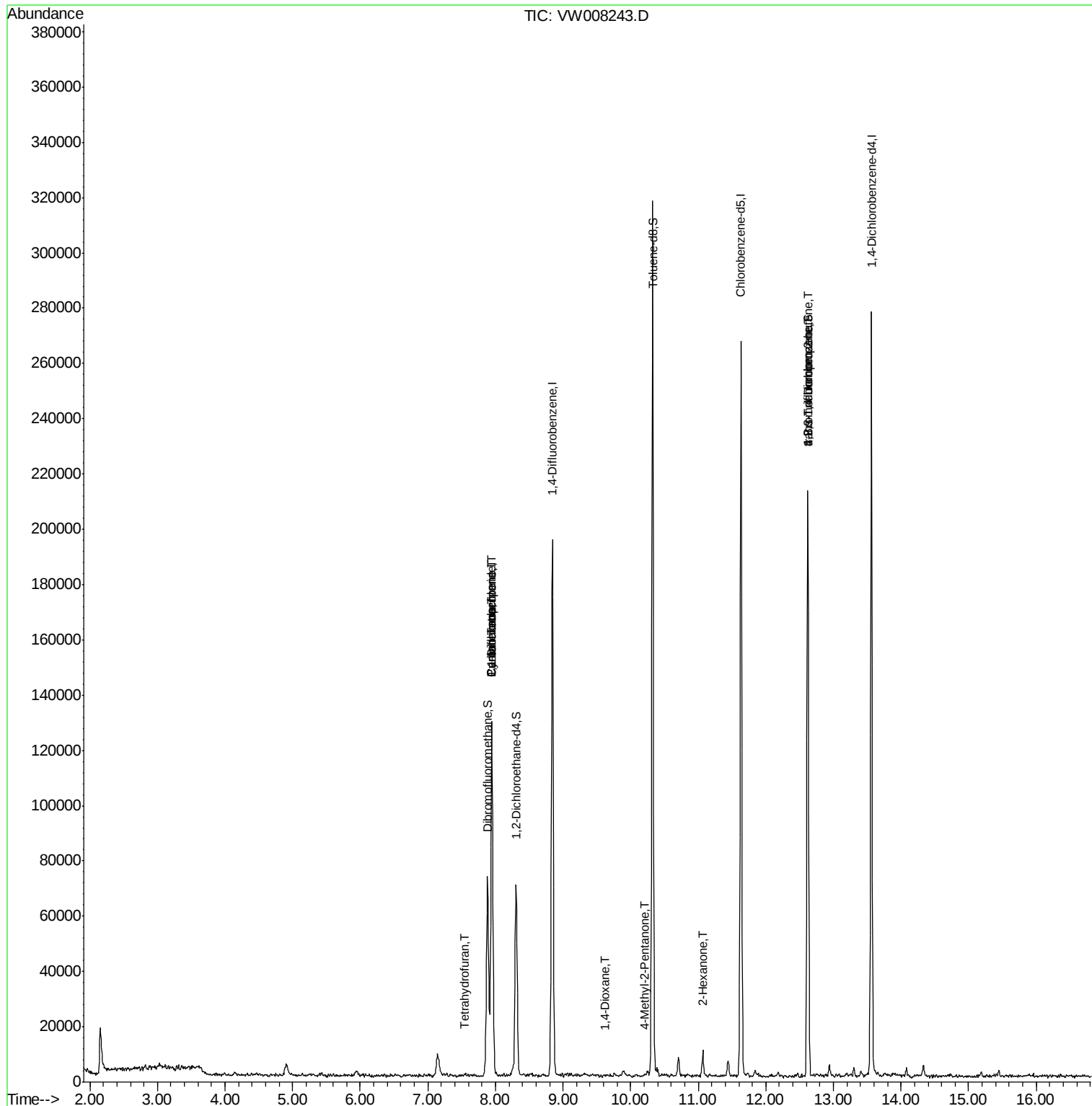
						Qvalue
11) Tert butyl alcohol	5.24	59	204	Below Cal	#	100
16) Acetone	4.12	43	1365	Below Cal		93
20) Methylene Chloride	4.90	84	3185	Below Cal	#	82
29) Tetrahydrofuran	7.53	42	540	2.828	ug/l #	35
31) Cyclohexane	7.95	56	2627	1.215	ug/l #	25
36) 1,1-Dichloropropene	7.94	75	7641	4.647	ug/l #	52
38) Carbon Tetrachloride	7.95	117	8716	5.791	ug/l #	17
49) 1,4-Dioxane	9.63	88	19	2.175	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	859	1.347	ug/l	89
59) 2-Hexanone	11.07	43	587	1.361	ug/l	69
76) 1,2,3-Trichloropropane	12.62	75	34058	55.187	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34058	128.513	ug/l #	11

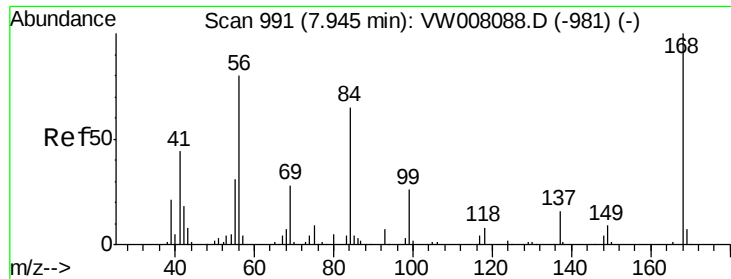
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008243.D

Acq: 14 Jan 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

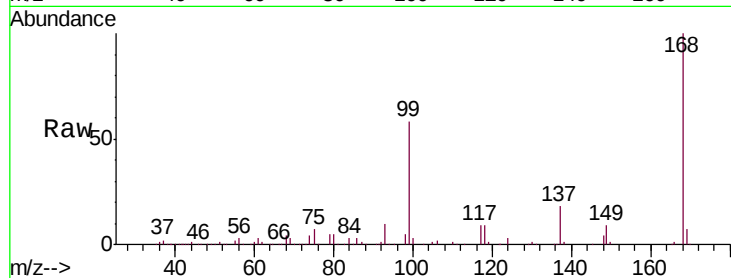
57-01-011019

Tgt Ion: 168 Resp: 91407

Ion Ratio Lower Upper

168 100

99 57.8 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

20000

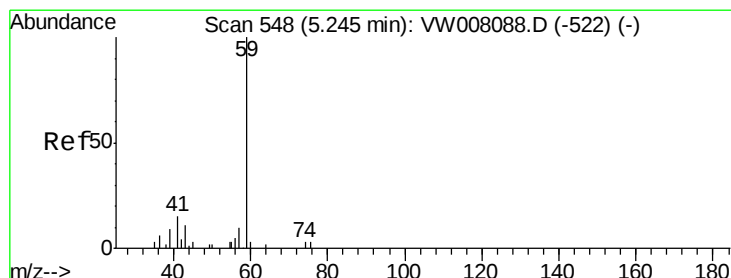
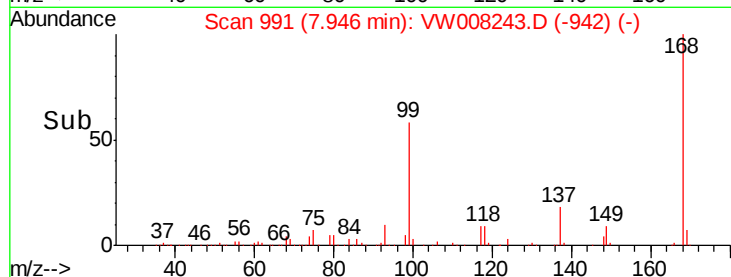
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW008243.D

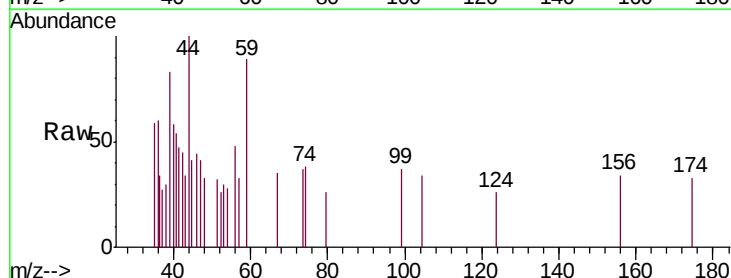
Acq: 14 Jan 2019 13:31

Tgt Ion: 59 Resp: 204

Ion Ratio Lower Upper

59 100

57 32.4 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

200

150

100

50

0

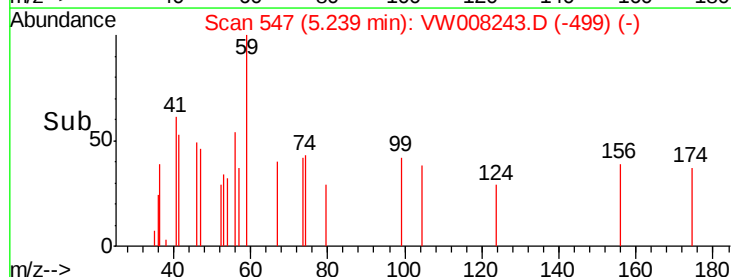
Time-->

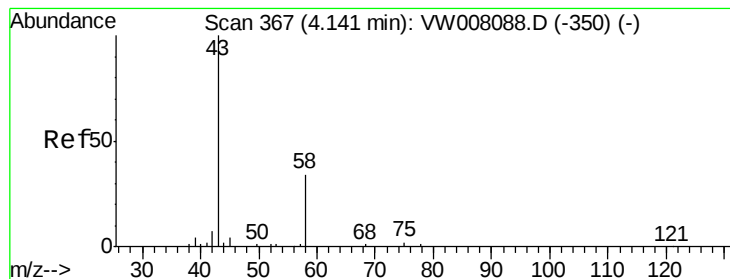
5.22

5.24

5.26

5.28





#16

Acetone

Concen: Below Cal

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008243.D

Acq: 14 Jan 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

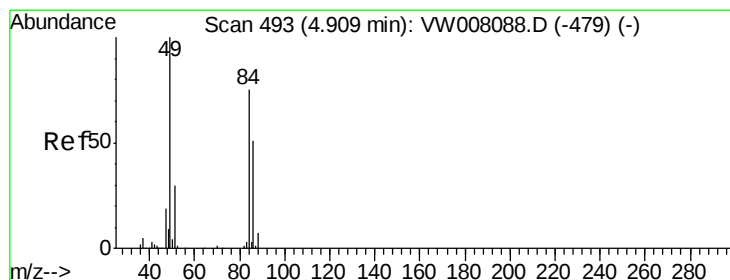
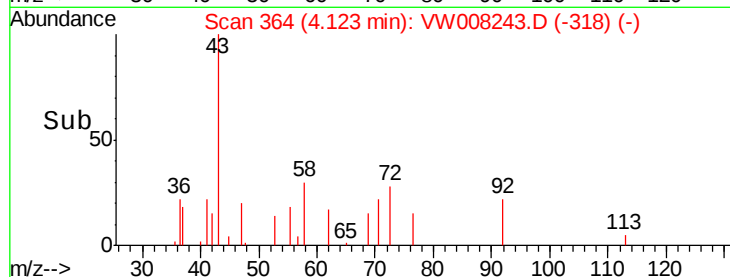
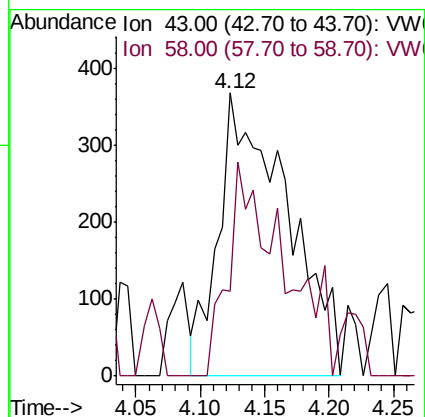
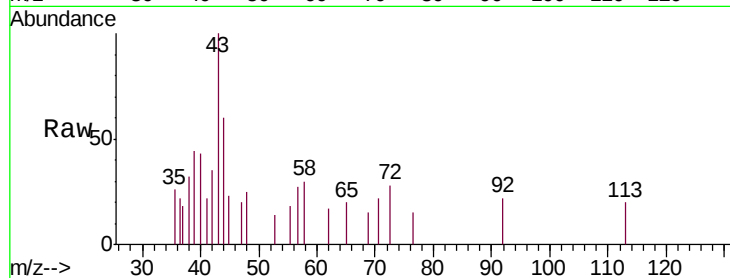
57-01-011019

Tgt Ion: 43 Resp: 1365

Ion Ratio Lower Upper

43 100

58 30.2 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008243.D

Acq: 14 Jan 2019 13:31

Tgt Ion: 84 Resp: 3185

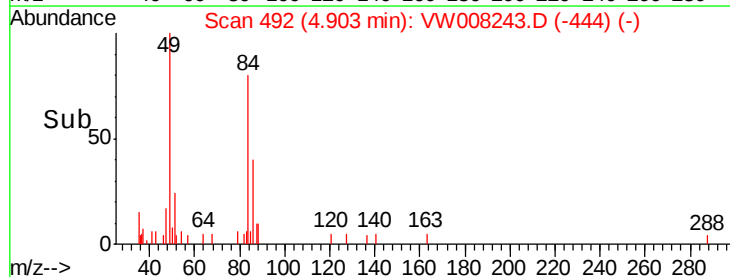
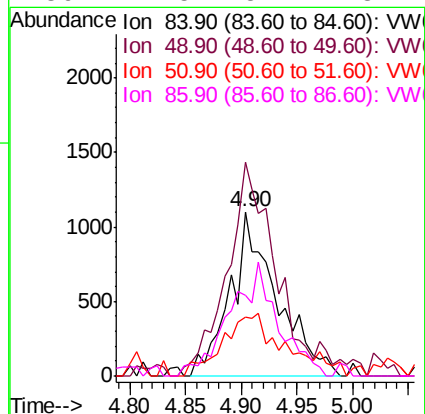
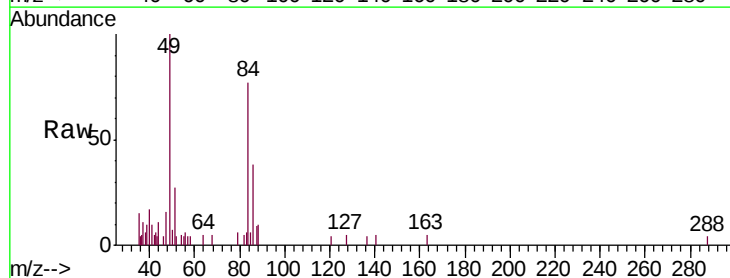
Ion Ratio Lower Upper

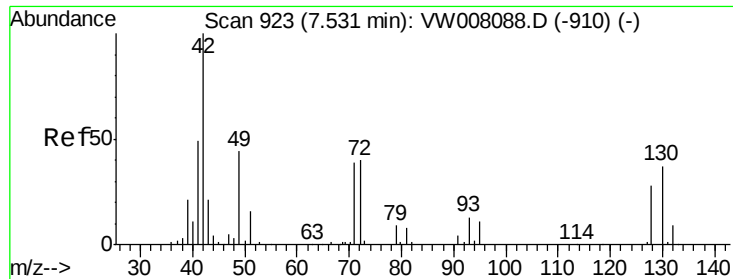
84 100

49 122.3 107.1 160.7

51 27.2 32.4 48.6#

86 42.5 54.2 81.4#

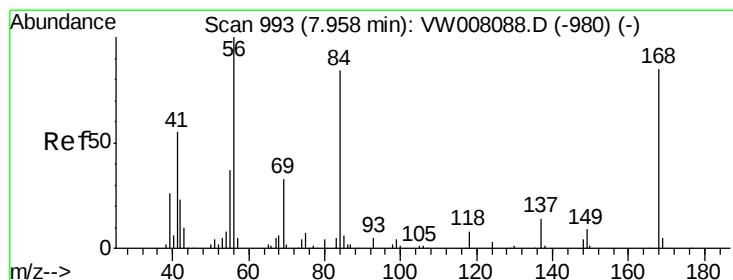
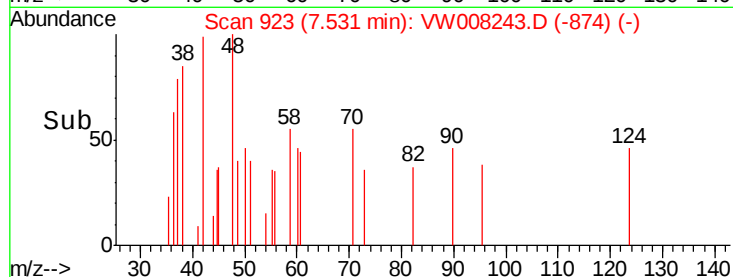
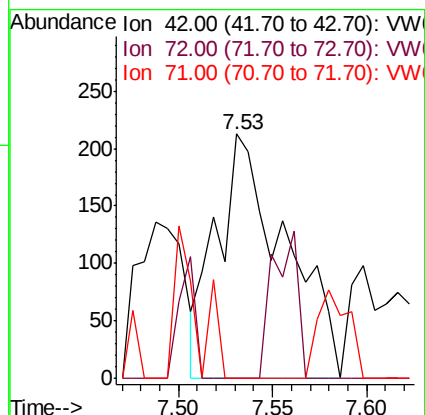
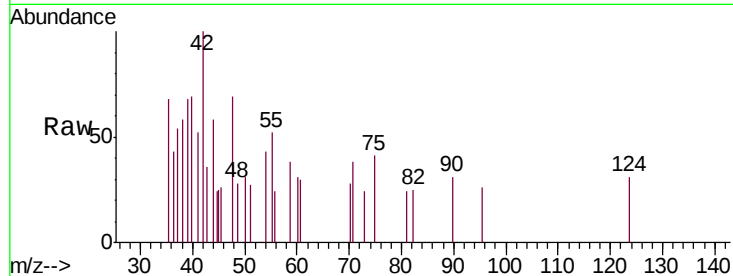




#29
Tetrahydrofuran
Concen: 2.828 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008243.D
Acq: 14 Jan 2019 13:31

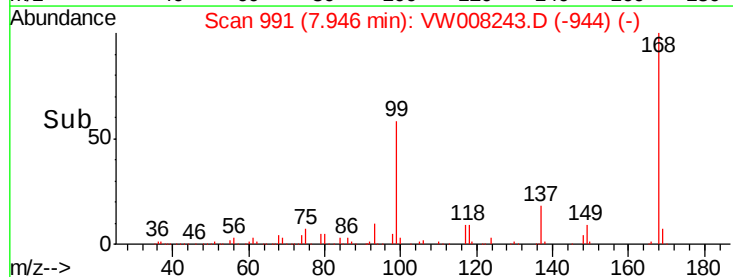
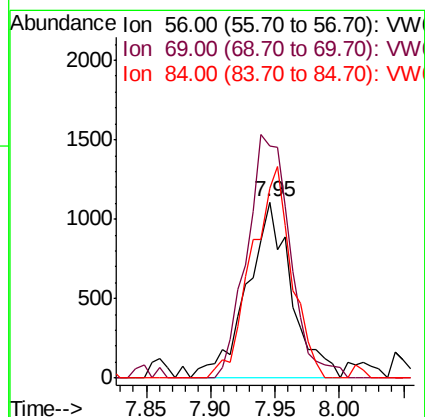
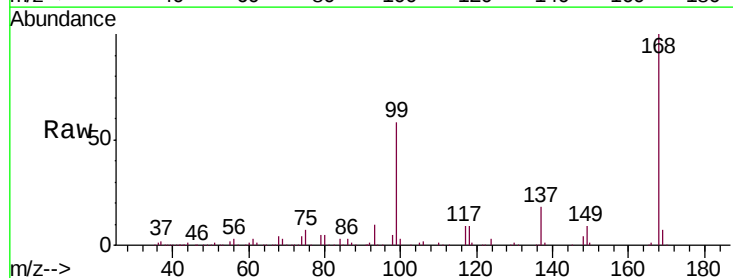
Instrument :
MSVOA_W
ClientSampled :
57-01-011019

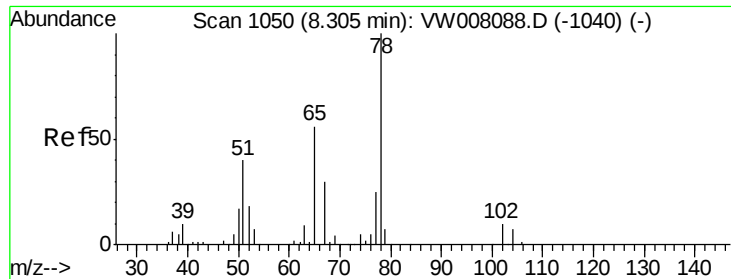
Tgt Ion: 42 Resp: 540
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008243.D
Acq: 14 Jan 2019 13:31

Tgt Ion: 56 Resp: 2627
Ion Ratio Lower Upper
56 100
69 131.9 26.2 39.4#
84 116.5 67.4 101.2#

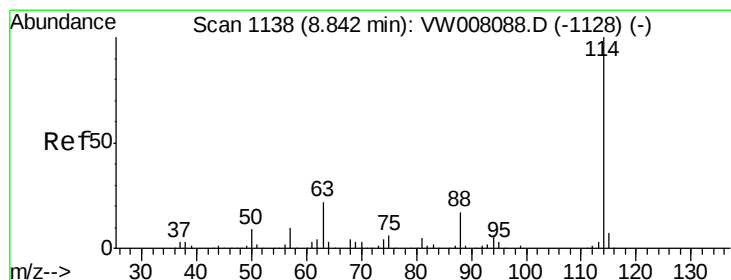
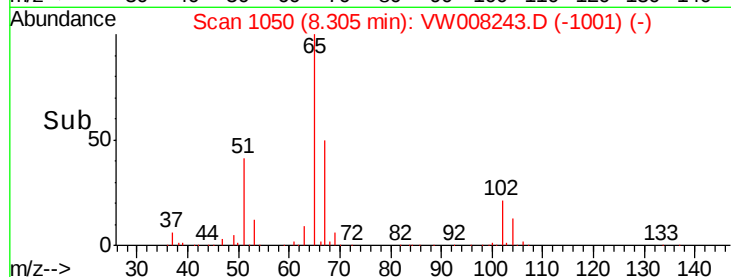
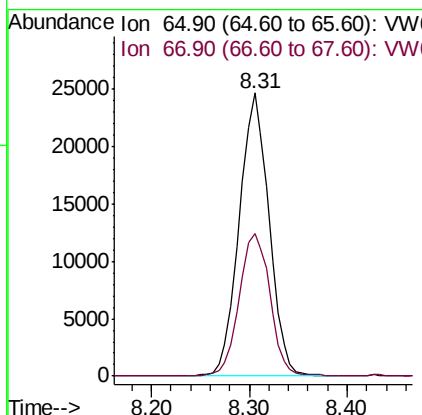
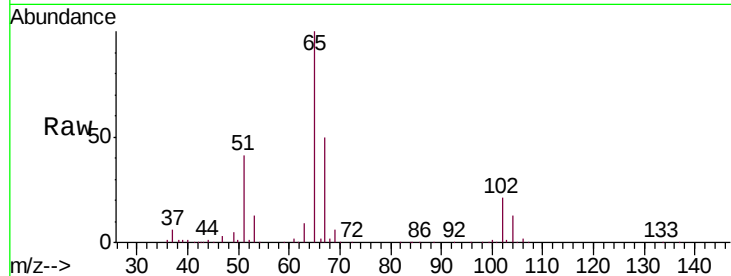




#33
 1,2-Dichloroethane-d4
 Concen: 50.994 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008243.D
 Acq: 14 Jan 2019 13:31

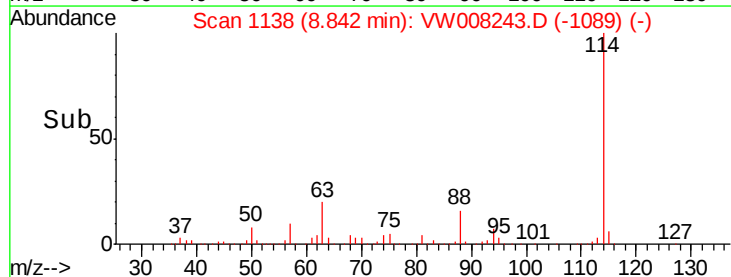
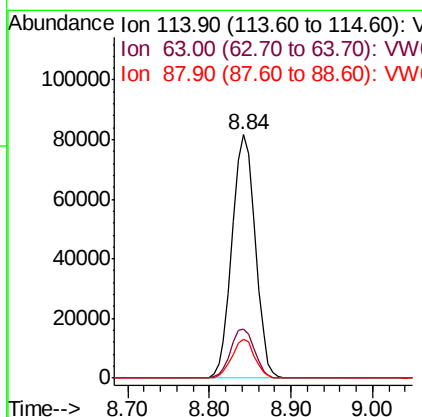
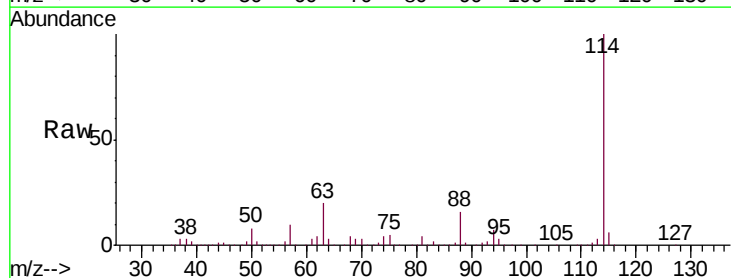
Instrument :
 MSVOA_W
 ClientSampleId :
 57-01-011019

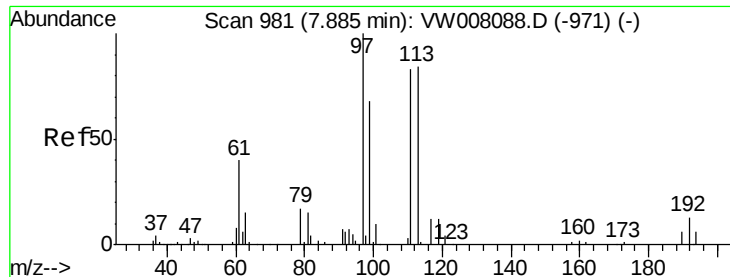
Tgt Ion: 65 Resp: 52388
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008243.D
 Acq: 14 Jan 2019 13:31

Tgt Ion: 114 Resp: 159626
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.4
 88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.714 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008243.D

Acq: 14 Jan 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

57-01-011019

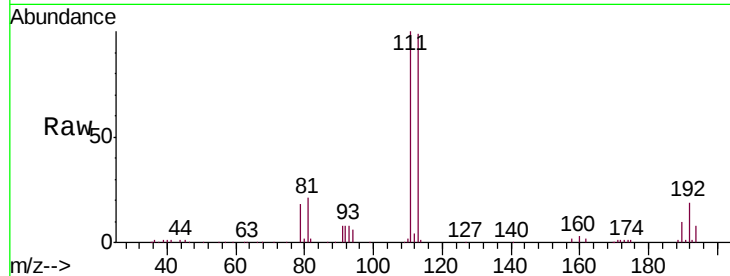
Tgt Ion:113 Resp: 50939

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

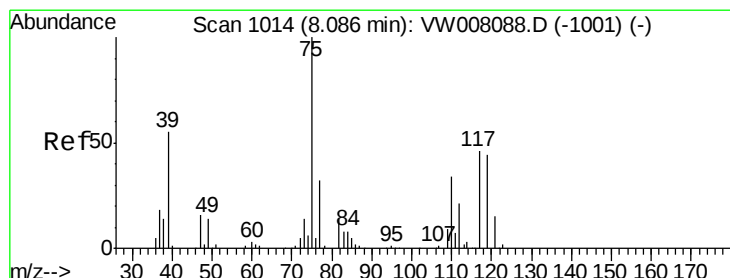
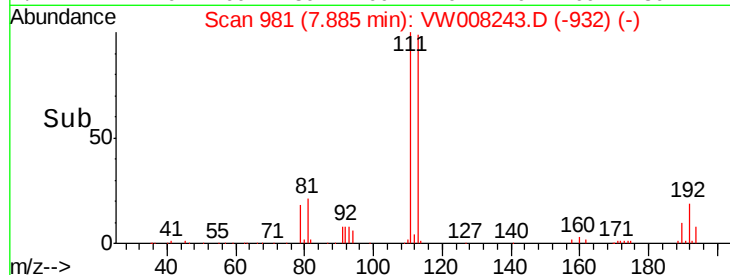
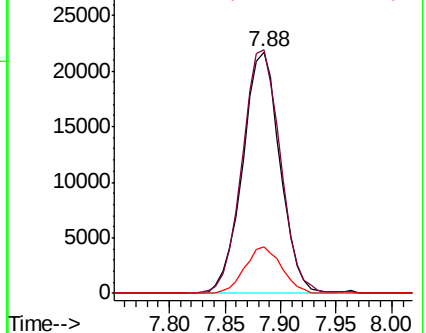
192 18.9 12.8 19.2



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: 4.647 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.15 min

Lab File: VW008243.D

Acq: 14 Jan 2019 13:31

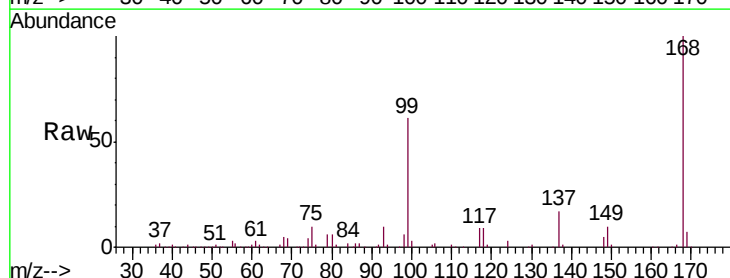
Tgt Ion: 75 Resp: 7641

Ion Ratio Lower Upper

75 100

110 10.9 17.1 51.3#

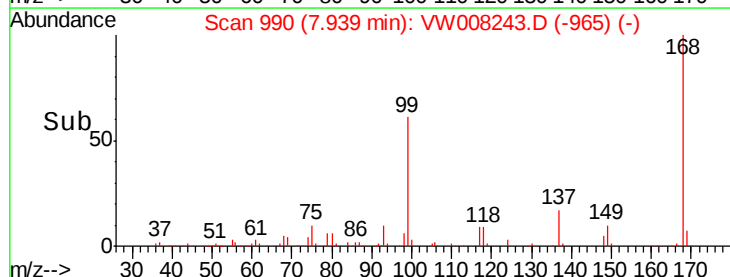
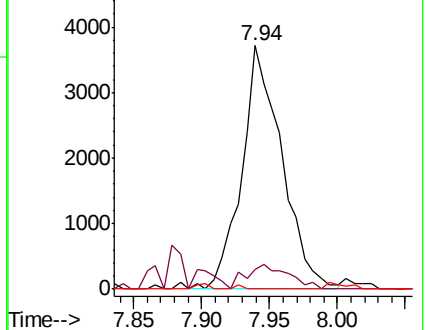
77 0.3 25.5 38.3#

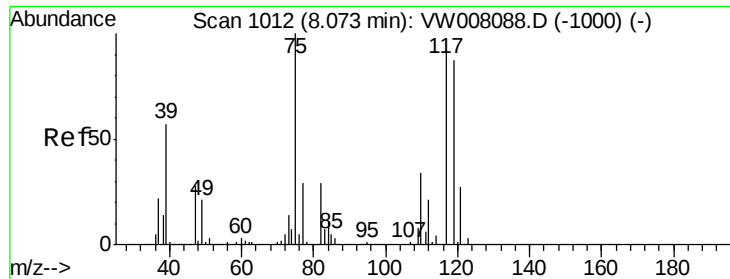


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

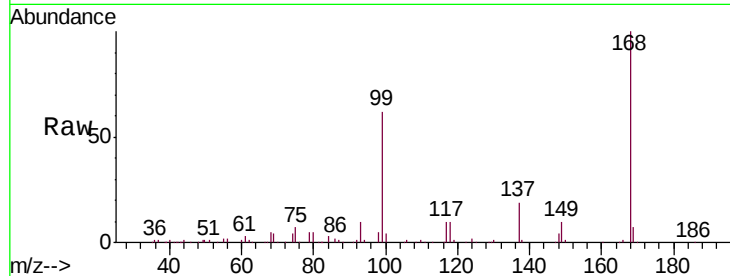




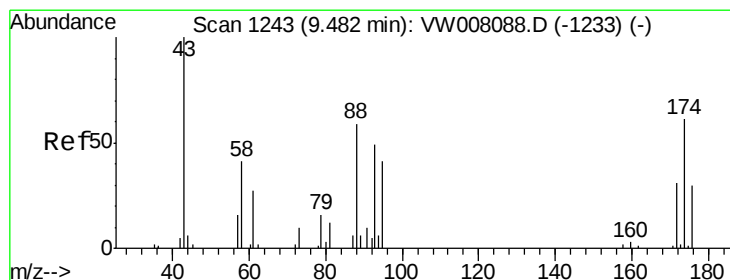
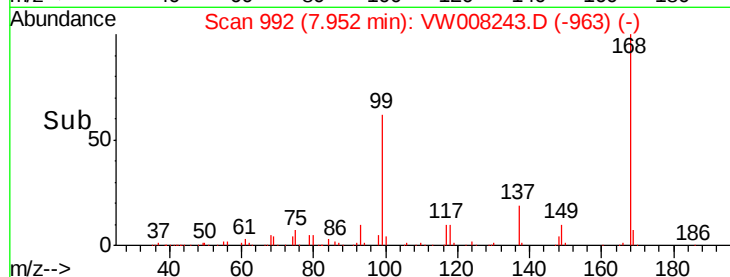
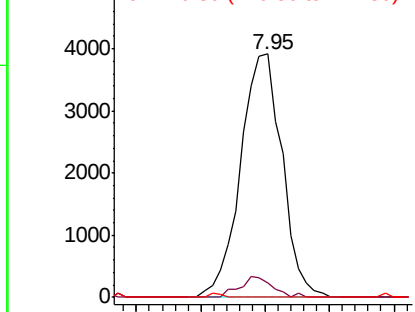
#38
Carbon Tetrachloride
Concen: 5.791 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008243.D
Acq: 14 Jan 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
57-01-011019

Tgt Ion: 117 Resp: 8716
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 23.7 35.5#

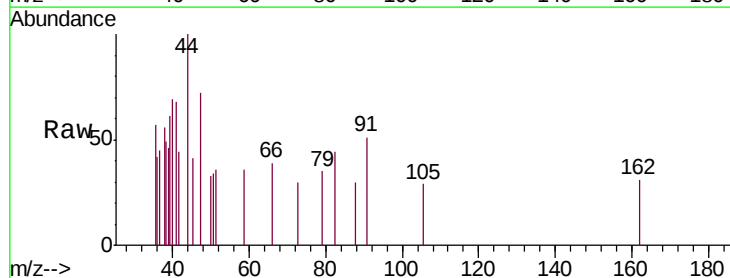


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

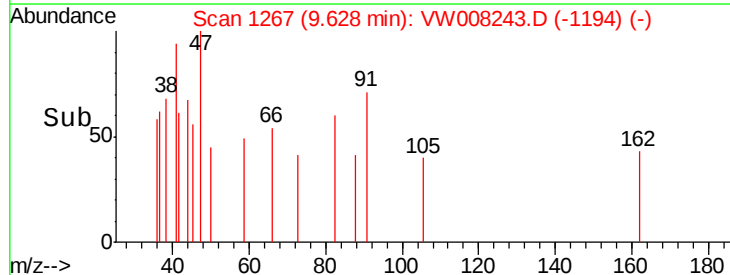
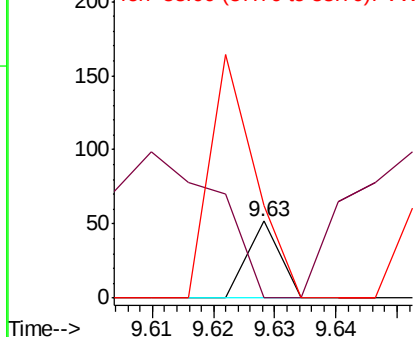


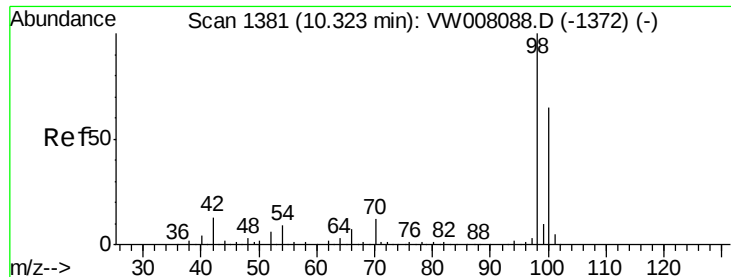
#49
1,4-Dioxane
Concen: 2.175 ug/l
RT: 9.63 min Scan# 1267
Delta R.T. 0.15 min
Lab File: VW008243.D
Acq: 14 Jan 2019 13:31

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 436.8 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.952 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008243.D

Acq: 14 Jan 2019 13:31

Instrument :

MSVOA_W

ClientSampled :

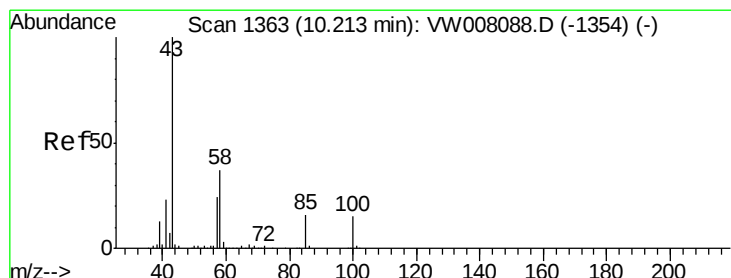
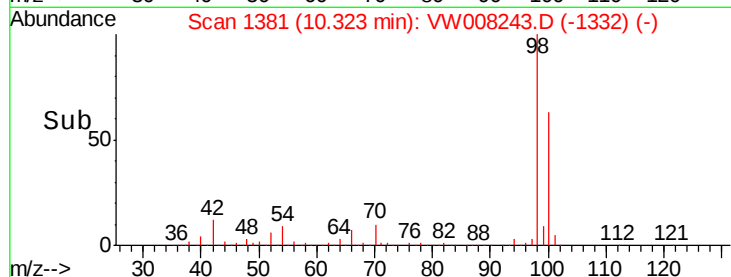
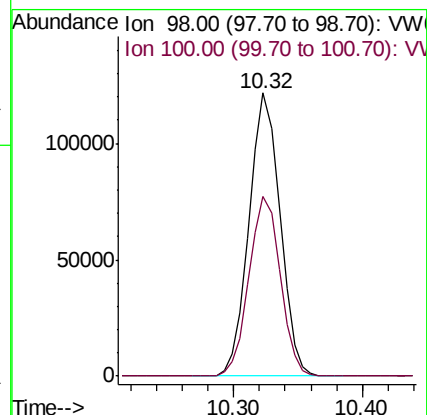
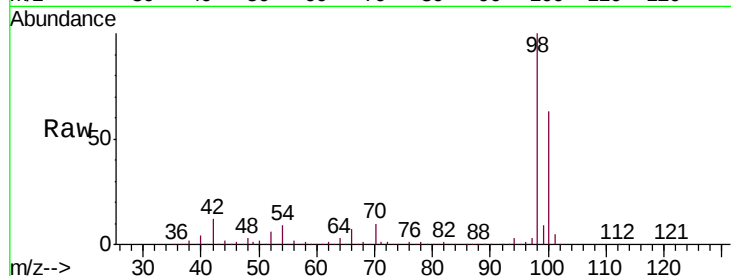
57-01-011019

Tgt Ion: 98 Resp: 202967

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.347 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008243.D

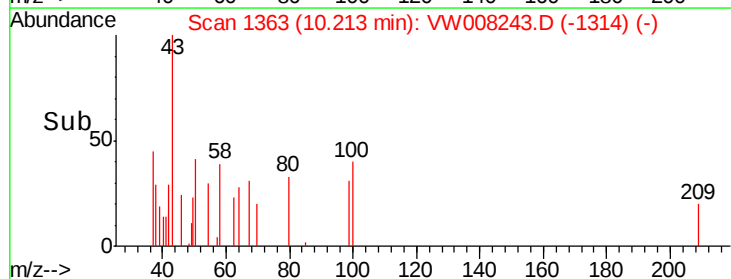
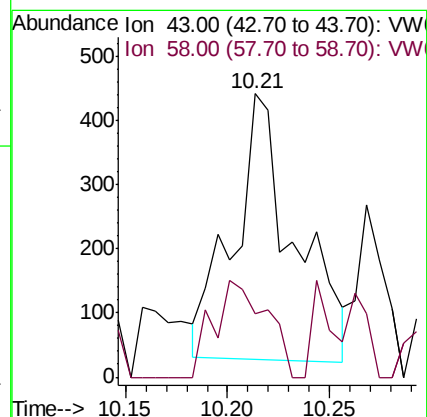
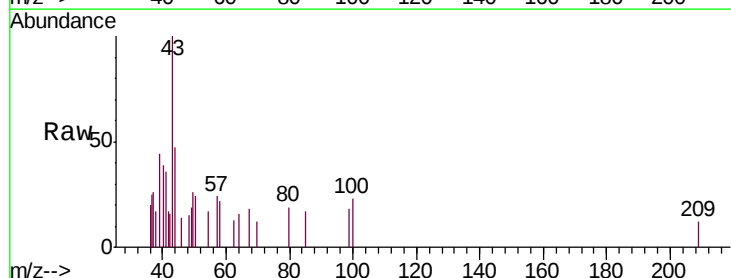
Acq: 14 Jan 2019 13:31

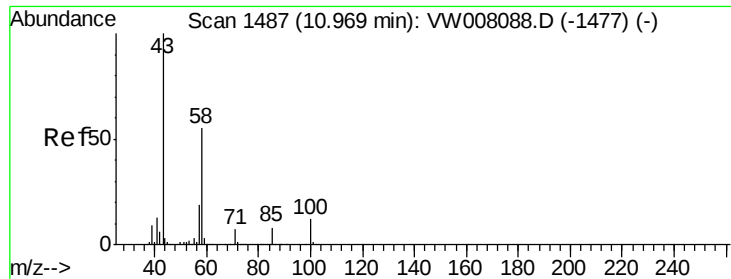
Tgt Ion: 43 Resp: 859

Ion Ratio Lower Upper

43 100

58 31.4 30.6 46.0

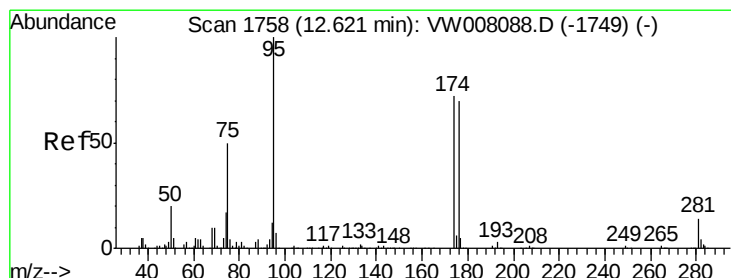
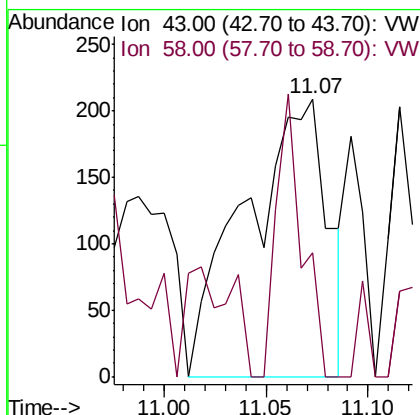
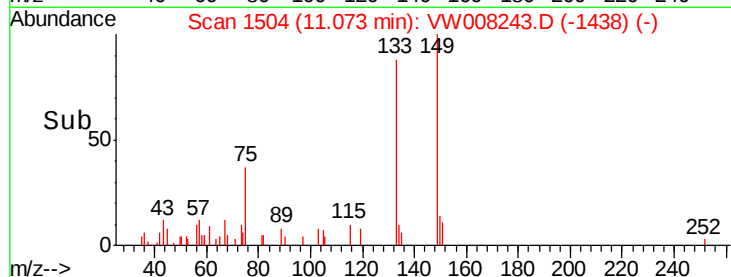
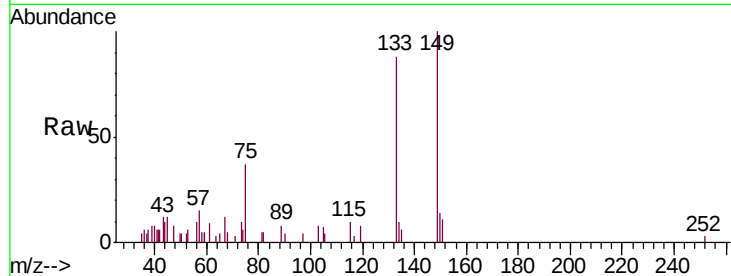




#59
2-Hexanone
Concen: 1.361 ug/l
RT: 11.07 min Scan# 1504
Delta R.T. 0.10 min
Lab File: VW008243.D
Acq: 14 Jan 2019 13:31

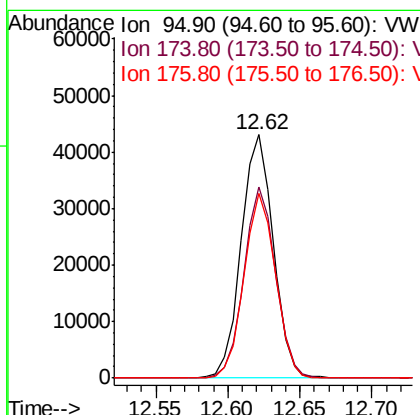
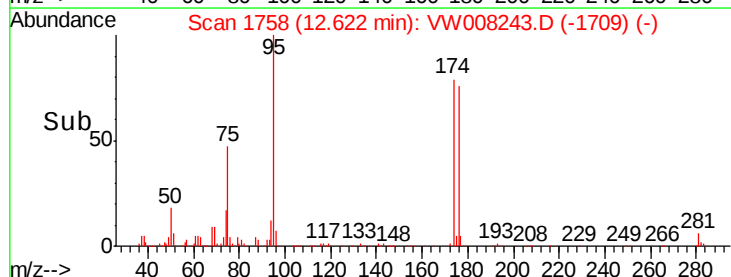
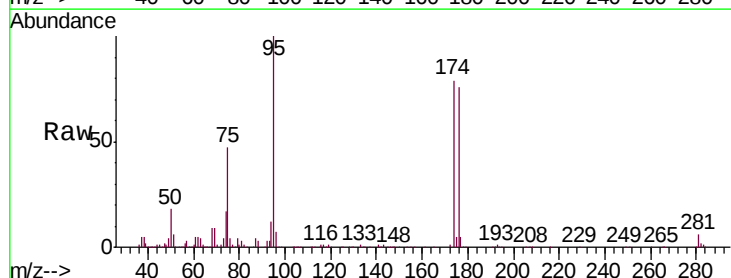
Instrument :
MSVOA_W
ClientSampleId :
57-01-011019

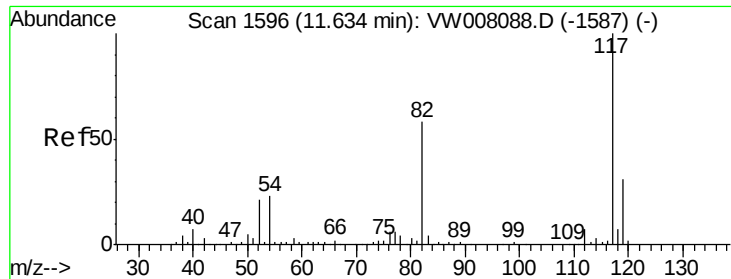
Tgt Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
58 32.0 27.2 81.5



#62
4-Bromofluorobenzene
Concen: 47.503 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008243.D
Acq: 14 Jan 2019 13:31

Tgt Ion: 95 Resp: 66533
Ion Ratio Lower Upper
95 100
174 77.3 0.0 143.0
176 74.4 0.0 140.2

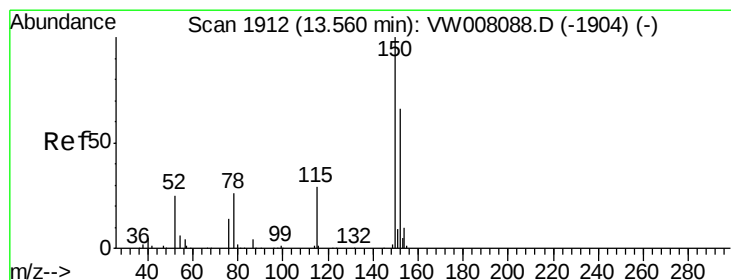
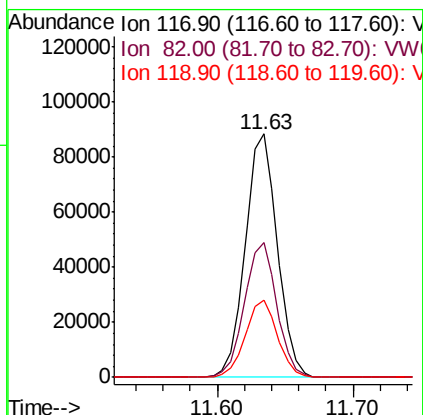
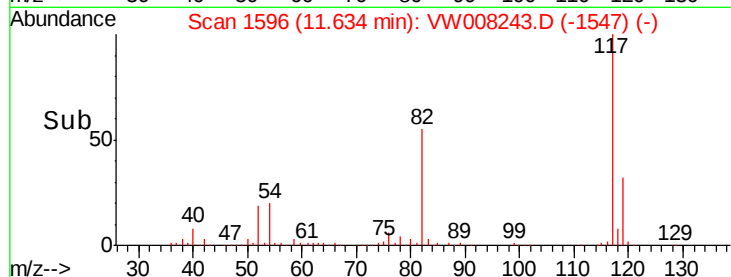
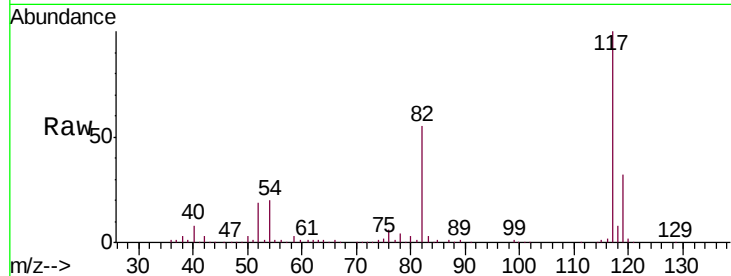




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008243.D
Acq: 14 Jan 2019 13:31

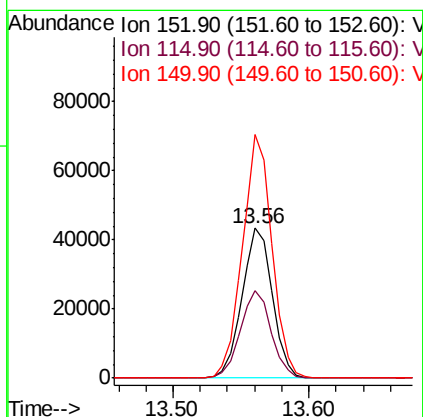
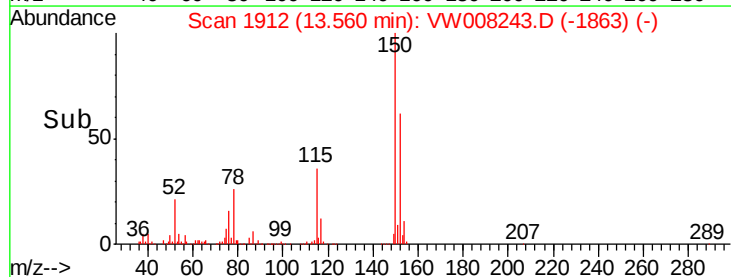
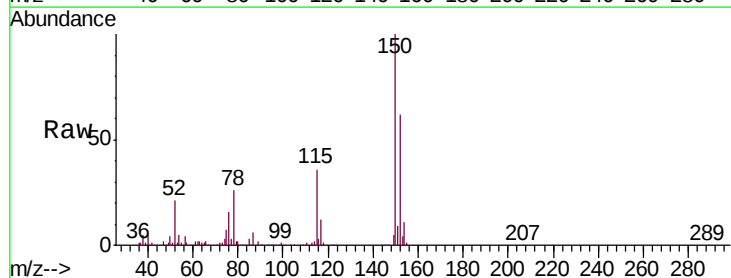
Instrument :
MSVOA_W
ClientSampleId :
57-01-011019

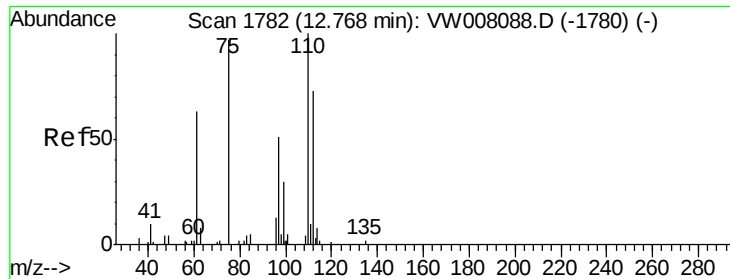
Tgt Ion:117 Resp: 145911
Ion Ratio Lower Upper
117 100
82 55.2 46.4 69.6
119 31.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008243.D
Acq: 14 Jan 2019 13:31

Tgt Ion:152 Resp: 67698
Ion Ratio Lower Upper
152 100
115 58.6 30.8 92.4
150 158.4 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 55.187 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008243.D

Acq: 14 Jan 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

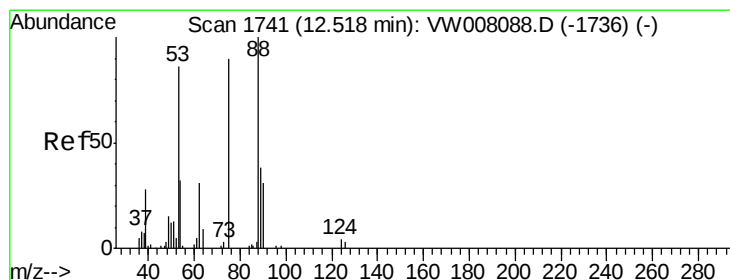
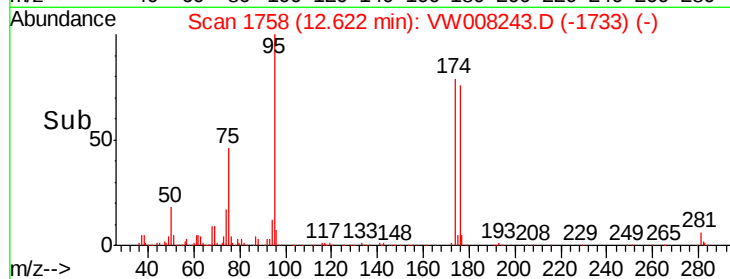
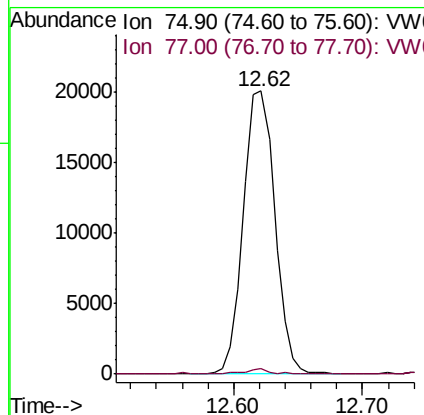
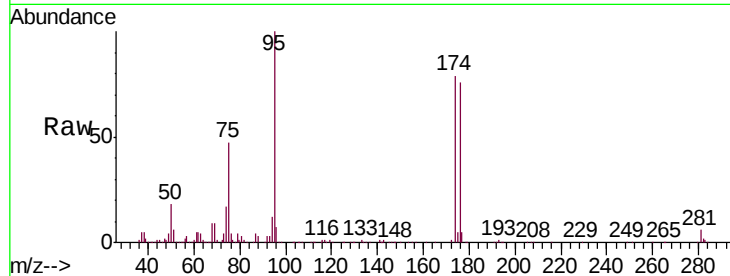
57-01-011019

Tgt Ion: 75 Resp: 34058

Ion Ratio Lower Upper

75 100

77 1.6 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.513 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008243.D

Acq: 14 Jan 2019 13:31

Tgt Ion: 75 Resp: 34058

Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

89 0.0 35.4 53.2#

