

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008312.D
 Acq On : 16 Jan 2019 16:56
 Operator : SY/VA
 Sample : K1156-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-5

Quant Time: Jan 17 05:04:20 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

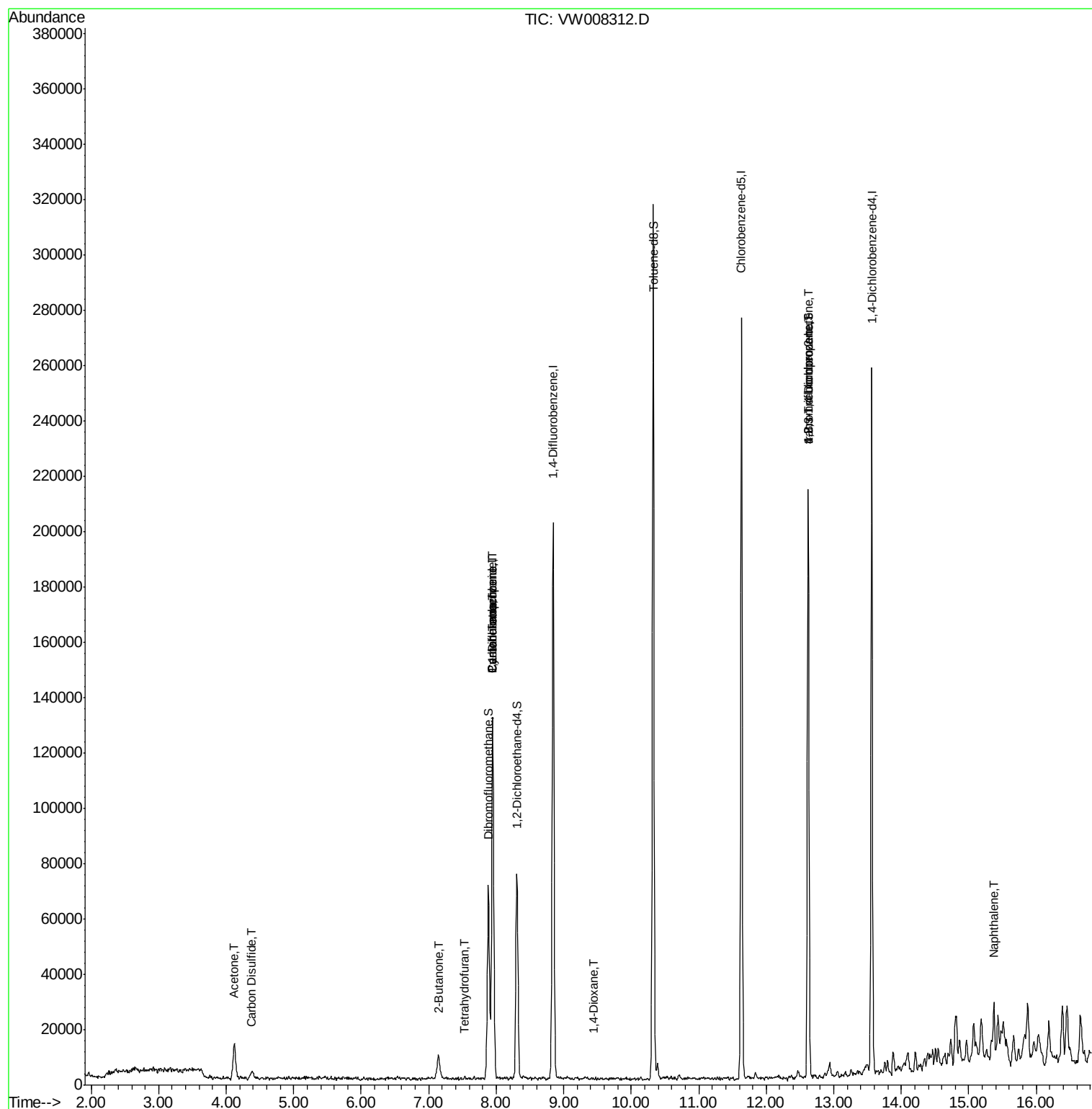
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	97045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	170741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	152408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64633	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56344	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	7.88	113	47866	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.32	98	211188	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	68591	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	74	Below Cal	#	100
13) Acrolein	3.91	56	69	Below Cal	#	52
16) Acetone	4.12	43	21515	96.778	ug/l	92
17) Carbon Disulfide	4.38	76	4071	1.226	ug/l #	90
20) Methylene Chloride	4.92	84	211	Below Cal	#	33
25) 2-Butanone	7.15	43	570	1.878	ug/l #	49
29) Tetrahydrofuran	7.52	42	329	1.623	ug/l #	58
31) Cyclohexane	7.95	56	2854	1.243	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	7398	4.206	ug/l #	51
38) Carbon Tetrachloride	7.95	117	10338	6.422	ug/l #	17
49) 1,4-Dioxane	9.45	88	45	4.817	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	33200	56.348	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	33200	131.216	ug/l #	10
95) Naphthalene	15.37	128	15081	6.364	ug/l	95

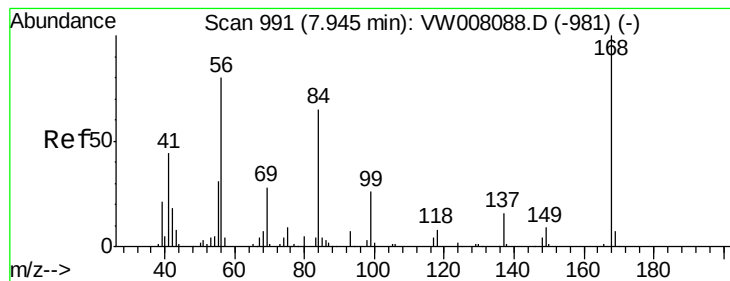
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008312.D

Acq: 16 Jan 2019 16:56

Instrument :

MSVOA_W

ClientSampled :

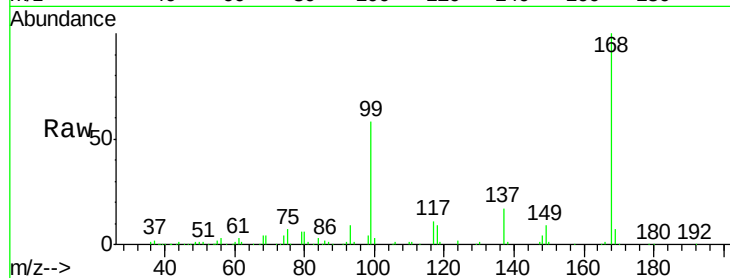
VOC-5

Tot Ion:168 Resp: 97045

Ion Ratio Lower Upper

168 100

99 58.5 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

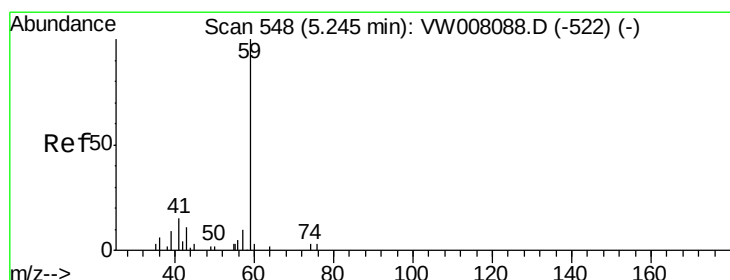
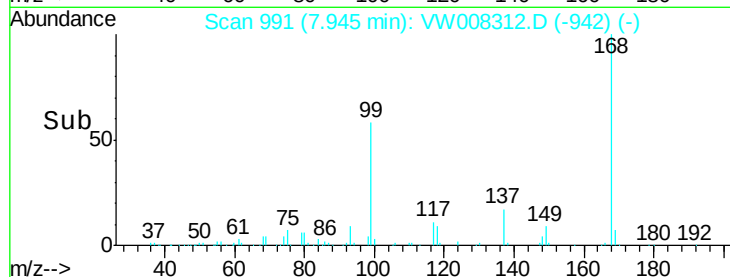
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW008312.D

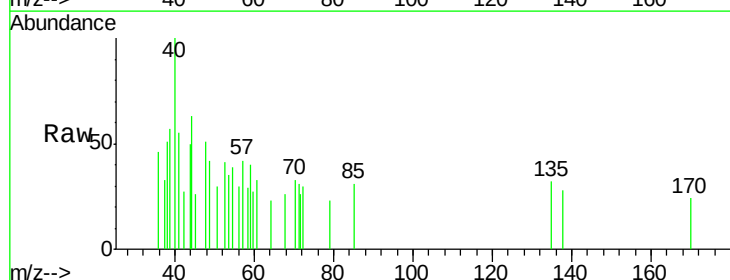
Acq: 16 Jan 2019 16:56

Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

150

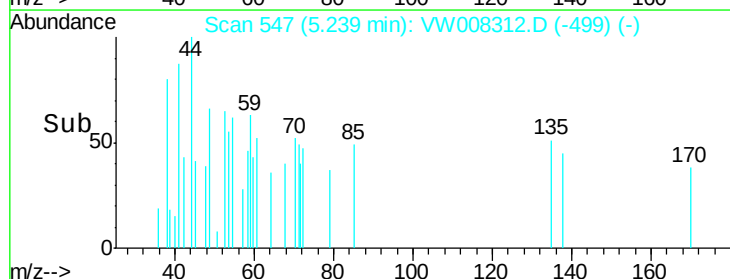
100

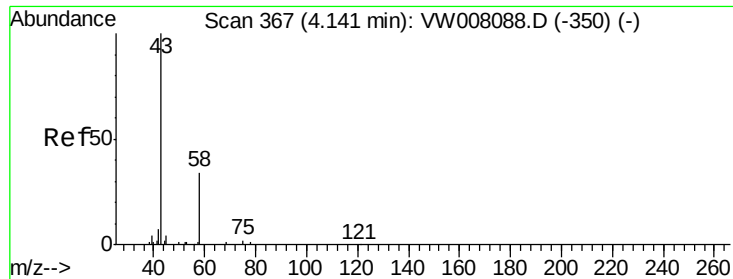
50

0

5.22 5.23 5.24 5.25

Time-->





#16

Acetone

Concen: 96.778 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008312.D

Acq: 16 Jan 2019 16:56

Instrument :

MSVOA_W

ClientSampled :

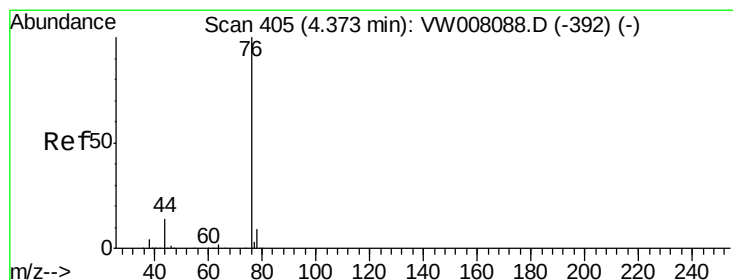
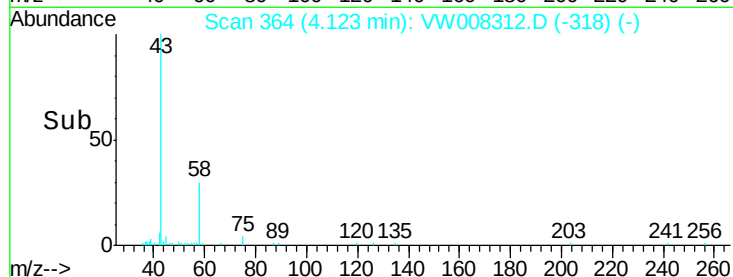
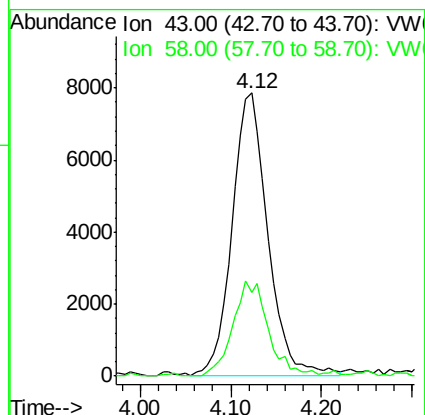
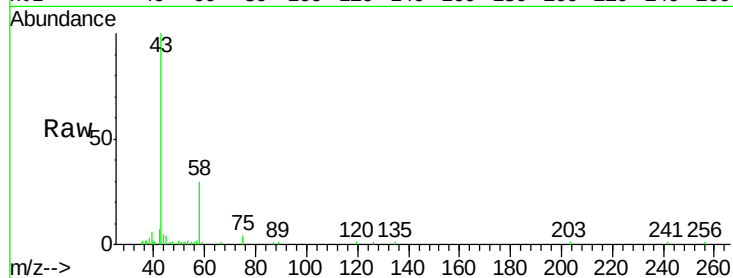
VOC-5

Tot Ion: 43 Resp: 21515

Ion Ratio Lower Upper

43 100

58 29.5 27.5 41.3



#17

Carbon Disulfide

Concen: 1.226 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008312.D

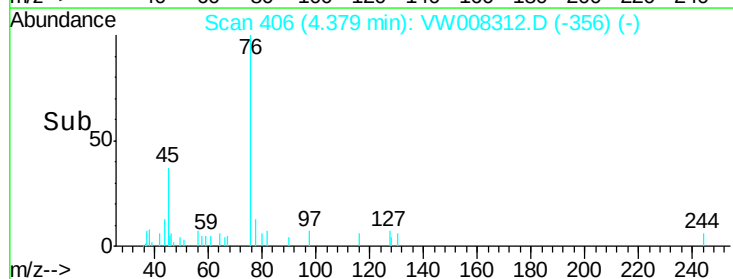
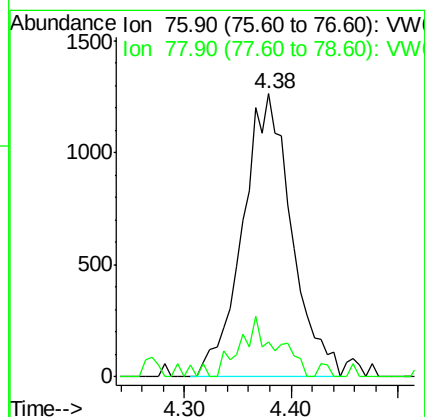
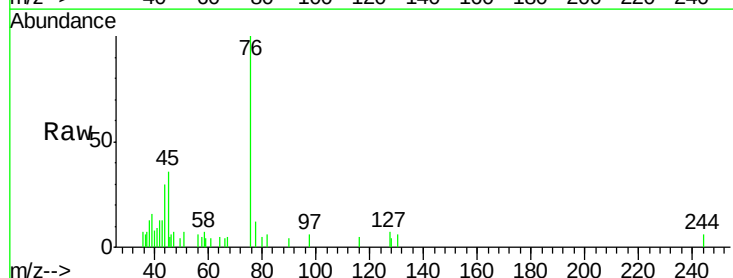
Acq: 16 Jan 2019 16:56

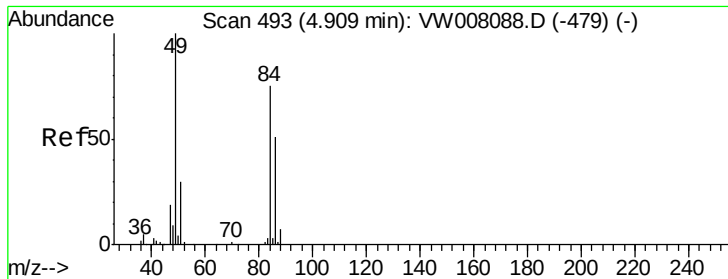
Tgt Ion: 76 Resp: 4071

Ion Ratio Lower Upper

76 100

78 12.4 7.0 10.6#

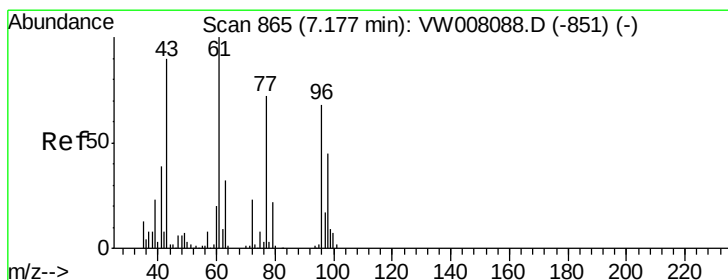
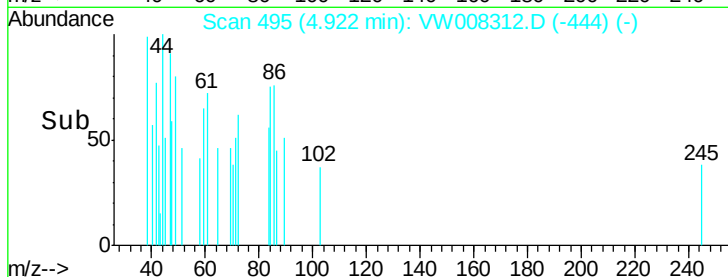
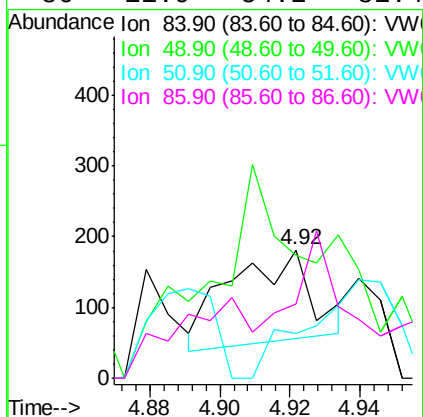
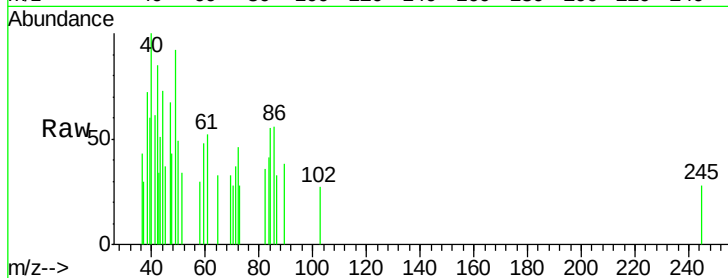




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008312.D
Acq: 16 Jan 2019 16:56

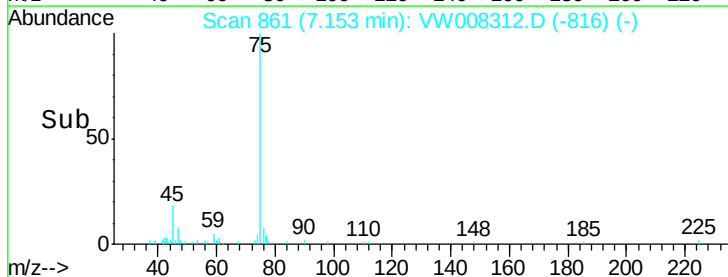
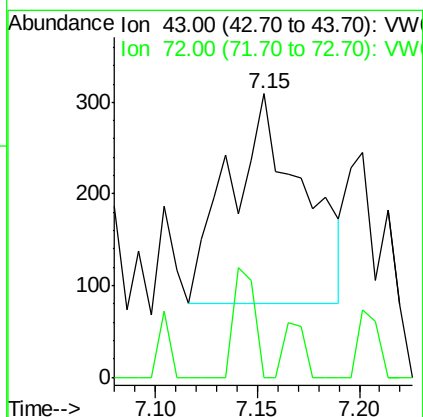
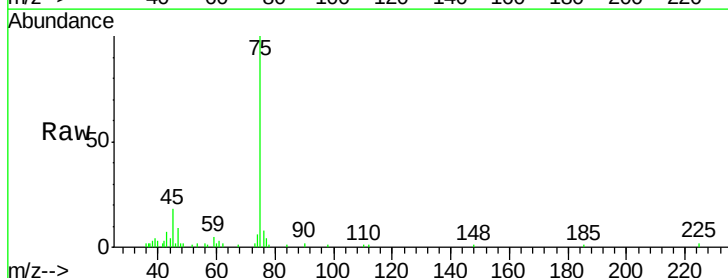
Instrument :
MSVOA_W
ClientSampled :
VOC-5

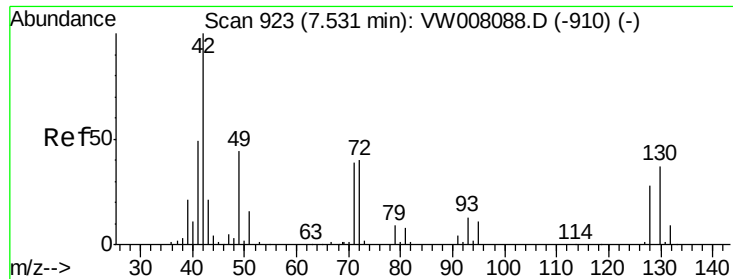
Tot Ion: 84 Resp: 211
Ion Ratio Lower Upper
84 100
49 55.1 107.1 160.7#
51 0.0 32.4 48.6#
86 11.9 54.2 81.4#



#25
2-Butanone
Concen: 1.878 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008312.D
Acq: 16 Jan 2019 16:56

Tgt Ion: 43 Resp: 570
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

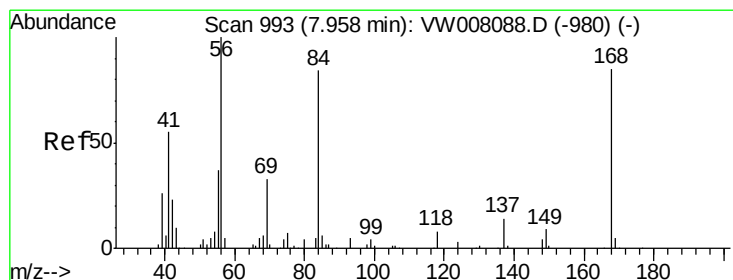
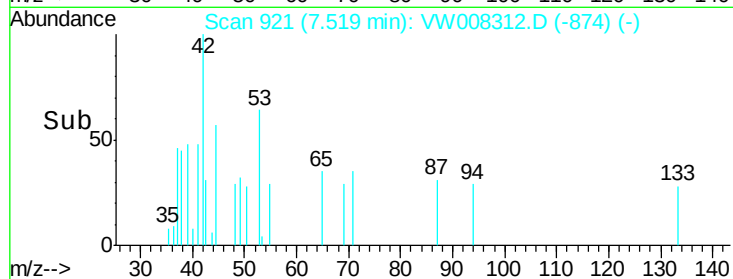
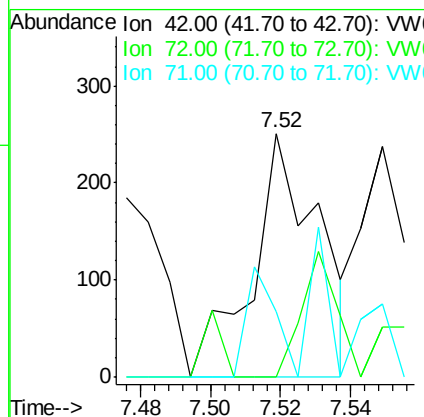
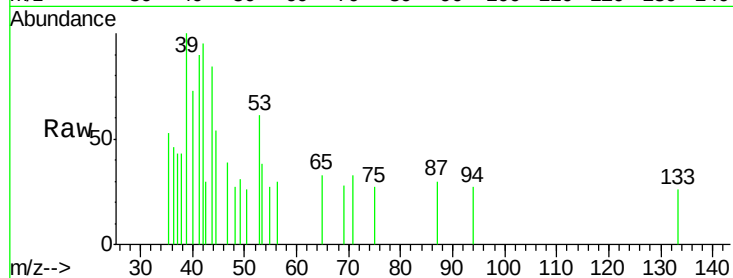




#29
Tetrahydrofuran
Concen: 1.623 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW008312.D
Acq: 16 Jan 2019 16:56

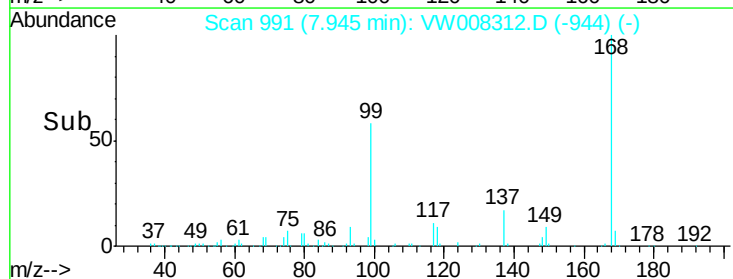
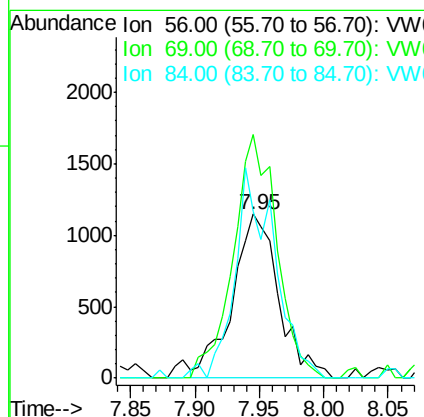
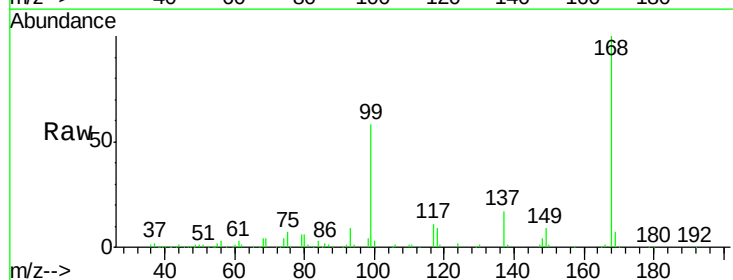
Instrument :
MSVOA_W
ClientSampled :
VOC-5

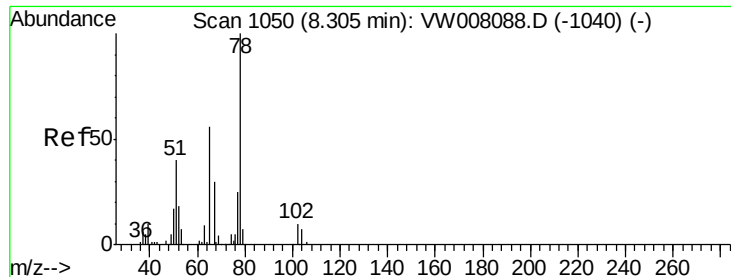
Tot Ion: 42 Resp: 329
Ion Ratio Lower Upper
42 100
72 7.6 32.4 48.6#
71 20.1 31.3 46.9#



#31
Cyclohexane
Concen: 1.243 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008312.D
Acq: 16 Jan 2019 16:56

Tgt Ion: 56 Resp: 2854
Ion Ratio Lower Upper
56 100
69 148.3 26.2 39.4#
84 101.7 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 51.659 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008312.D

Acq: 16 Jan 2019 16:56

Instrument :

MSVOA_W

ClientSampleId :

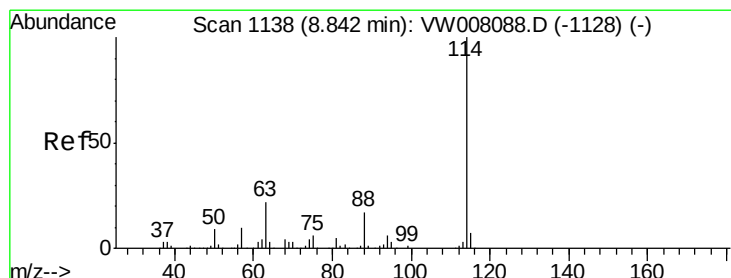
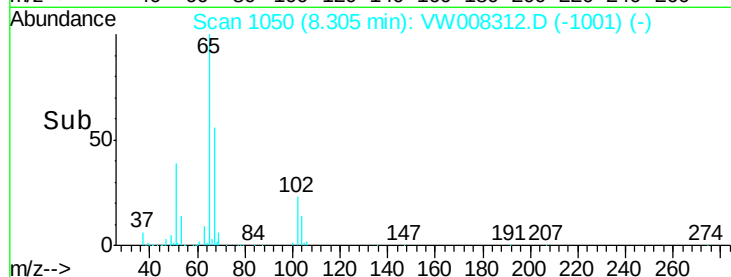
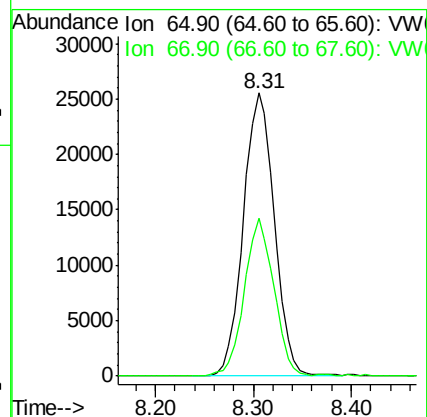
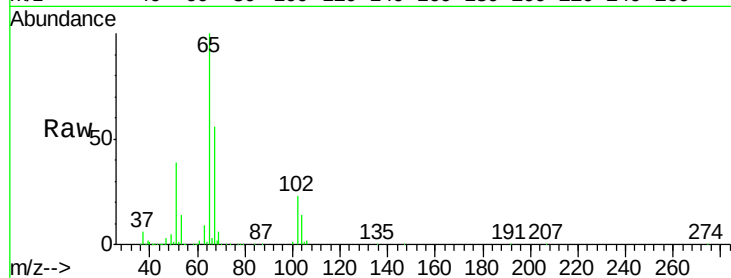
VOC-5

Tot Ion: 65 Resp: 56344

Ion Ratio Lower Upper

65 100

67 53.0 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: VW008312.D

Acq: 16 Jan 2019 16:56

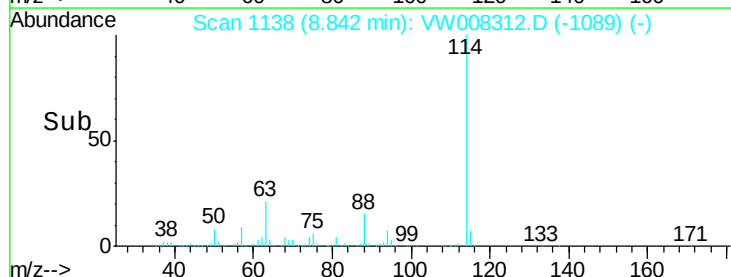
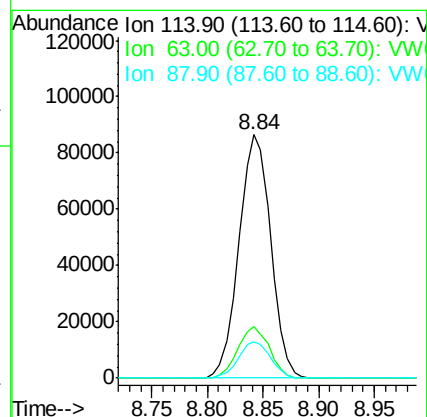
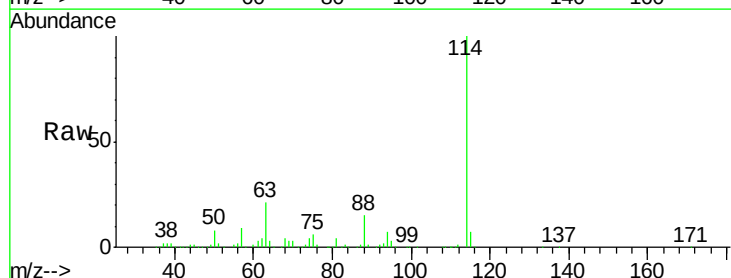
Tgt Ion: 114 Resp: 170741

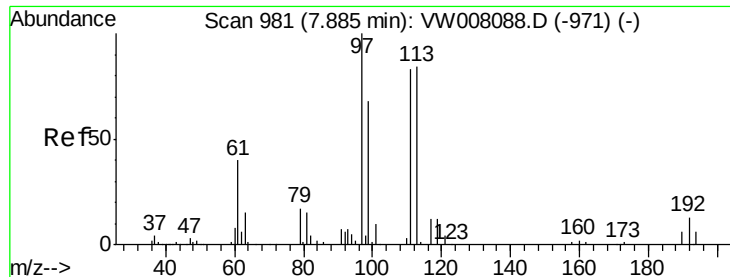
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.4

88 14.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.067 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008312.D

Acq: 16 Jan 2019 16:56

Instrument :

MSVOA_W

ClientSampleId :

VOC-5

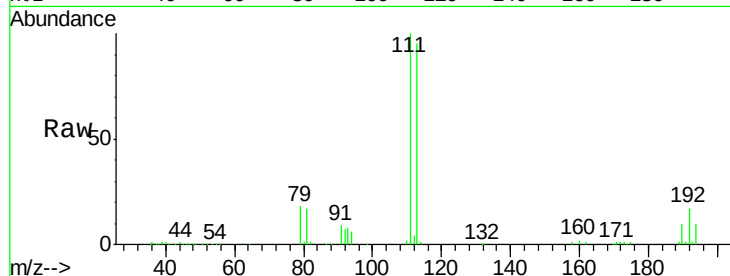
Tot Ion:113 Resp: 47866

Ion Ratio Lower Upper

113 100

111 105.3 81.8 122.8

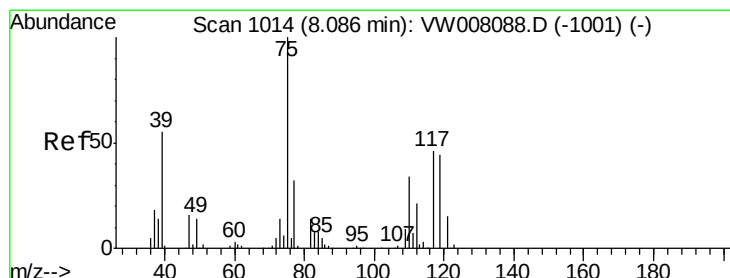
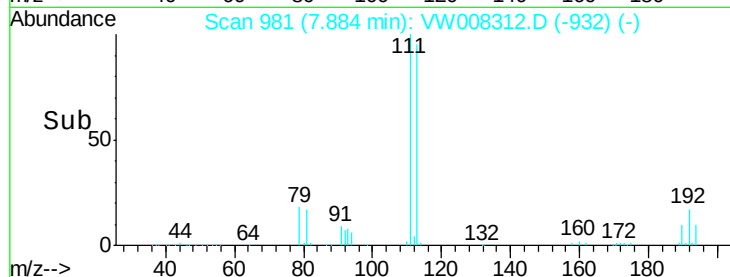
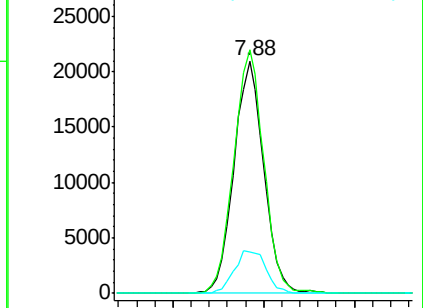
192 19.6 12.8 19.2#



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: 4.206 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008312.D

Acq: 16 Jan 2019 16:56

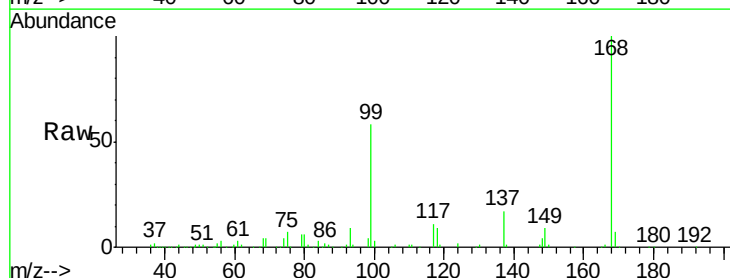
Tgt Ion: 75 Resp: 7398

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.3#

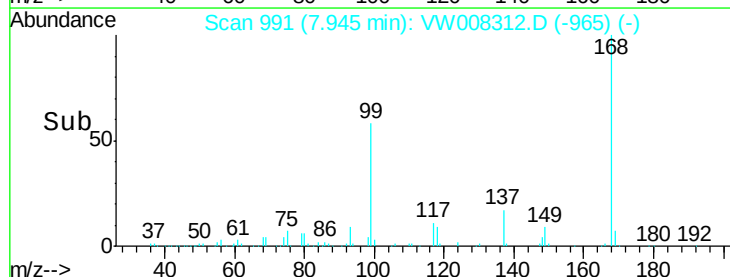
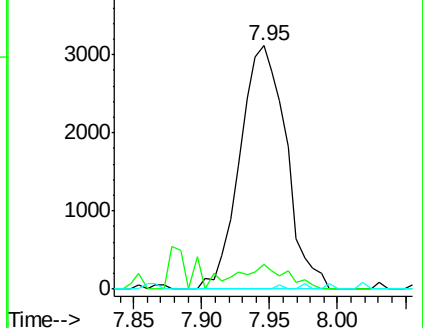
77 0.3 25.5 38.3#

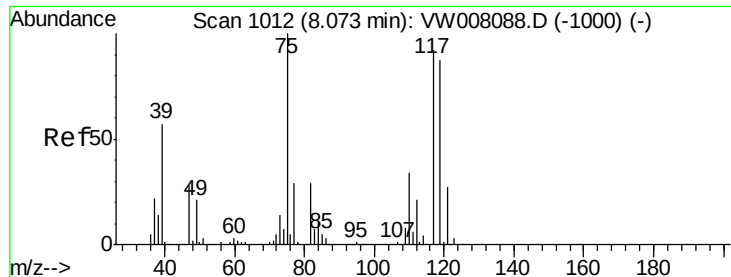


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.422 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008312.D

Acq: 16 Jan 2019 16:56

Instrument :

MSVOA_W

ClientSampled :

VOC-5

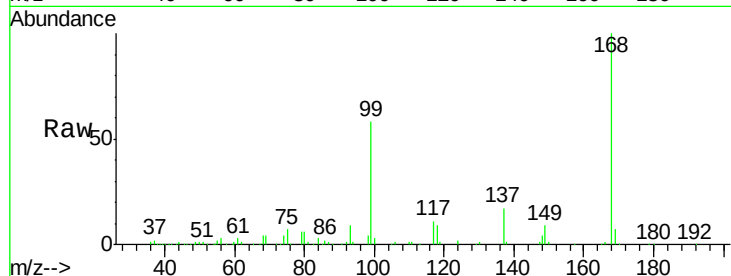
Tot Ion:117 Resp: 10338

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

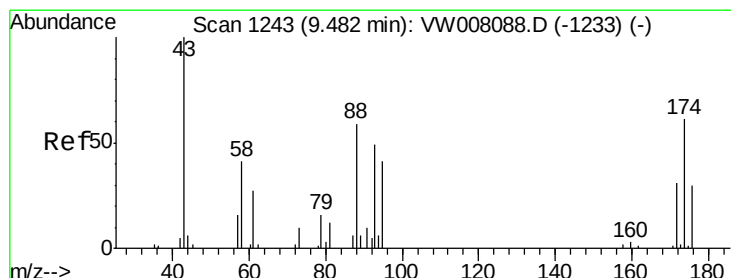
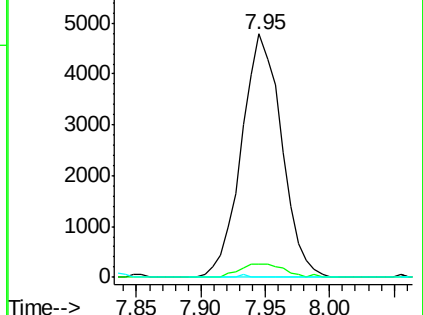
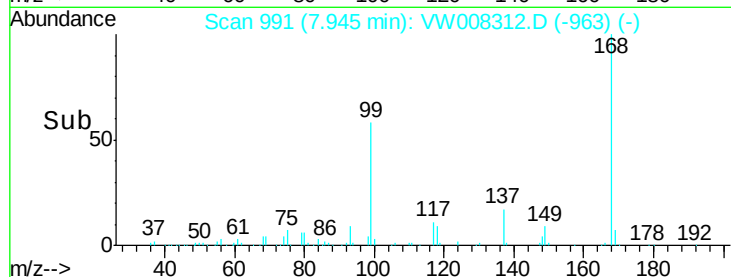
121 0.0 23.7 35.5#



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: 4.817 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.04 min

Lab File: VW008312.D

Acq: 16 Jan 2019 16:56

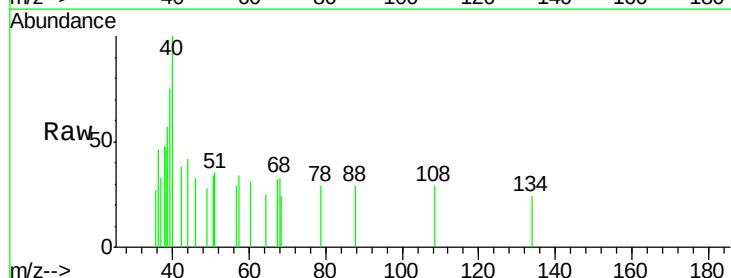
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 88.9 0.0 0.0#

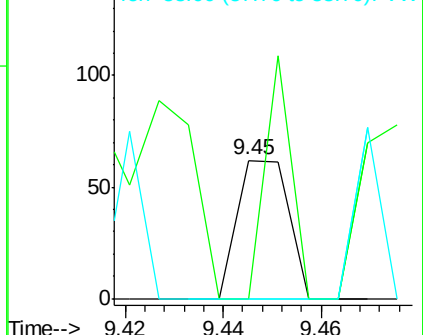
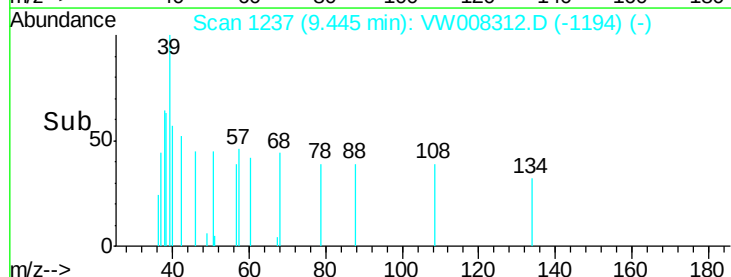
58 0.0 61.7 92.5#

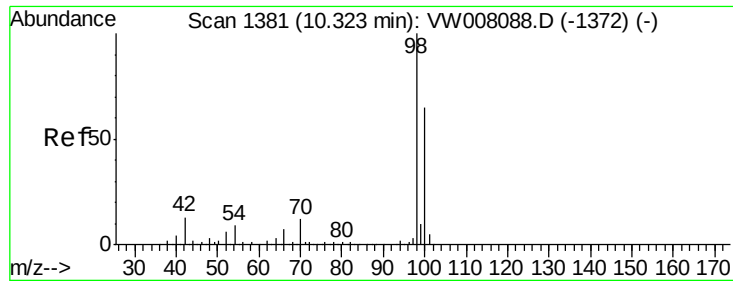


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

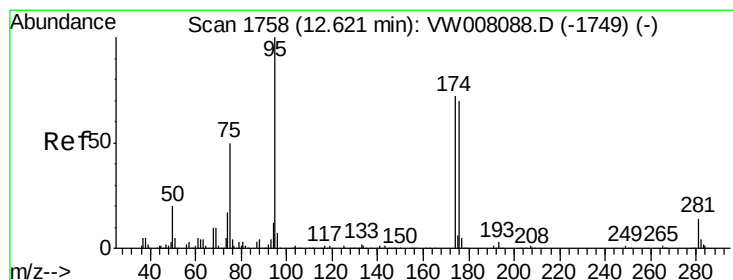
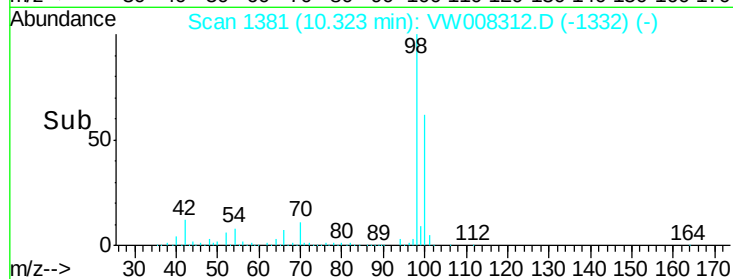
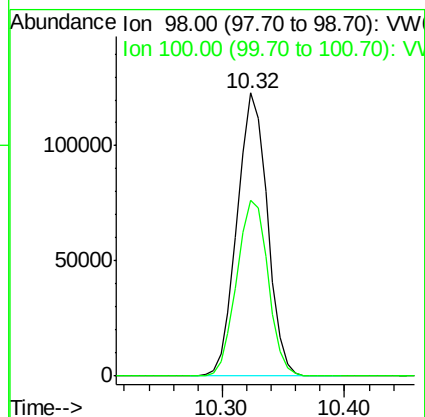
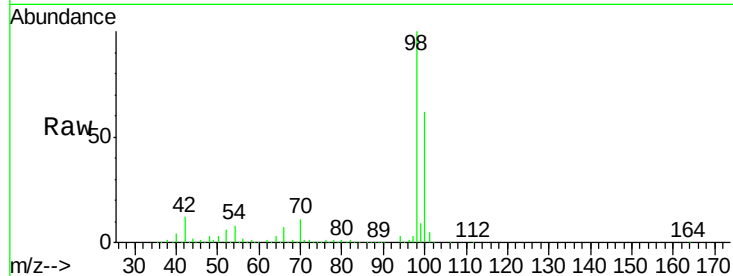




#50
Toluene-d8
Concen: 50.537 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008312.D
Acq: 16 Jan 2019 16:56

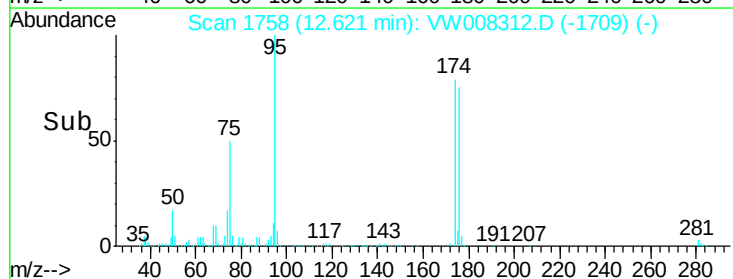
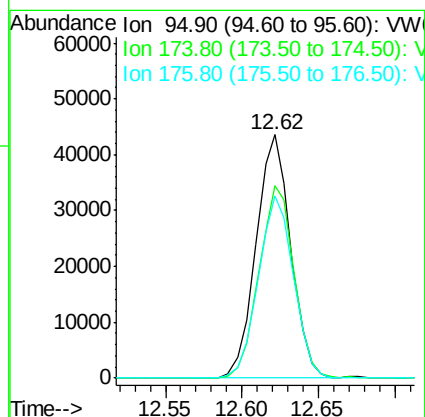
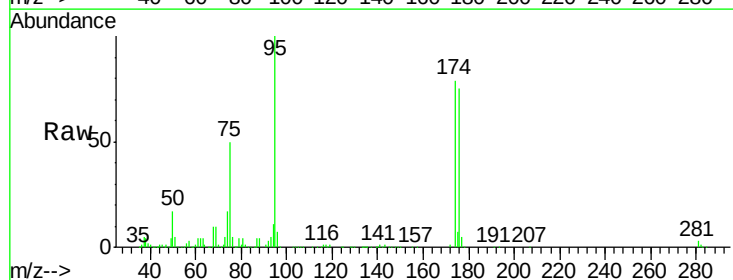
Instrument :
MSVOA_W
ClientSampled :
VOC-5

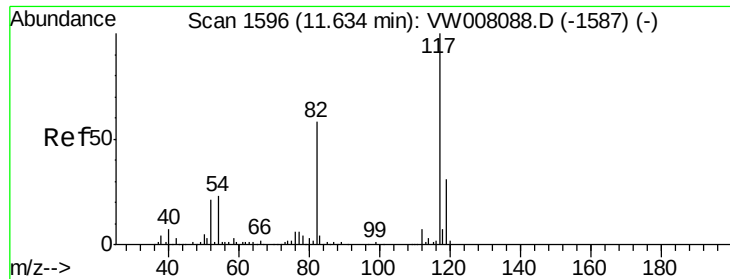
Tot Ion: 98 Resp: 211188
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.785 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008312.D
Acq: 16 Jan 2019 16:56

Tgt Ion: 95 Resp: 68591
Ion Ratio Lower Upper
95 100
174 80.2 0.0 143.0
176 76.3 0.0 140.2

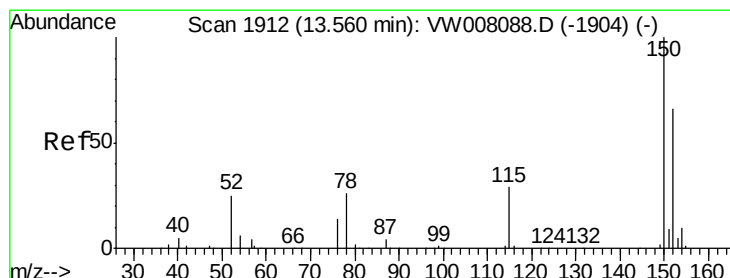
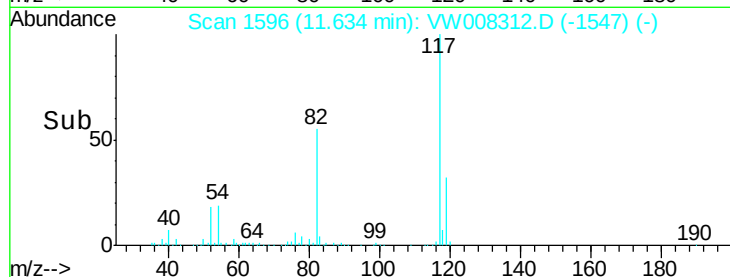
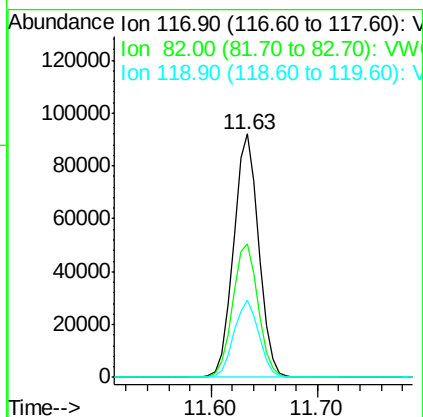
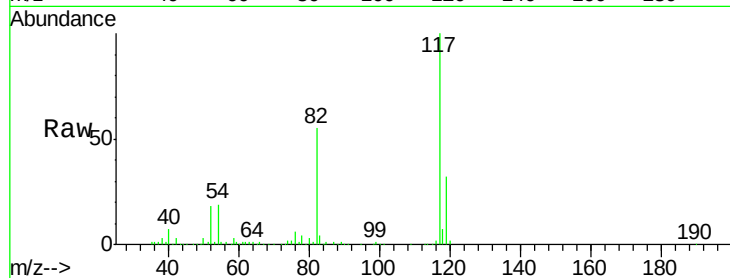




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008312.D
Acq: 16 Jan 2019 16:56

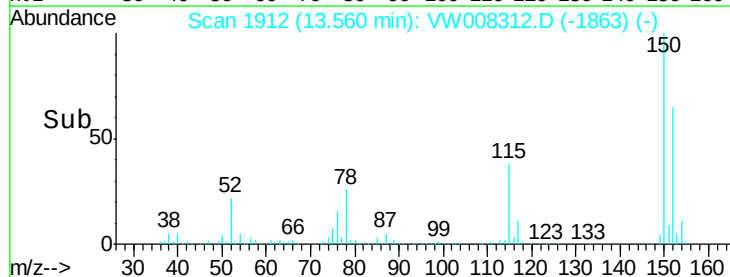
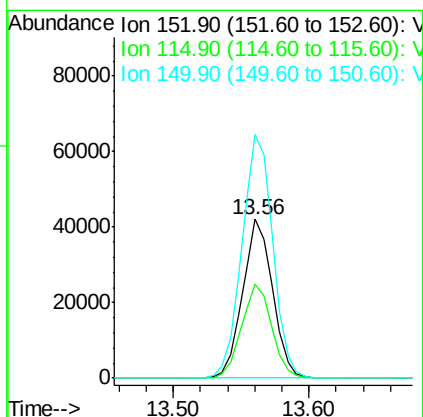
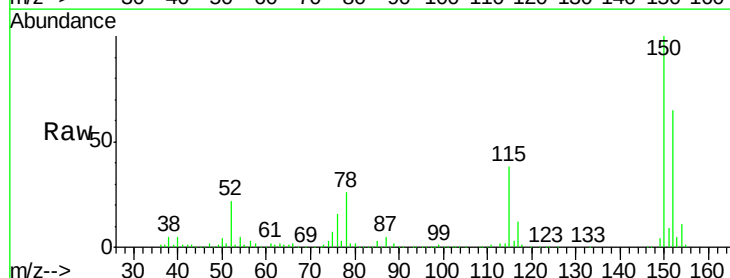
Instrument :
MSVOA_W
ClientSampleId :
VOC-5

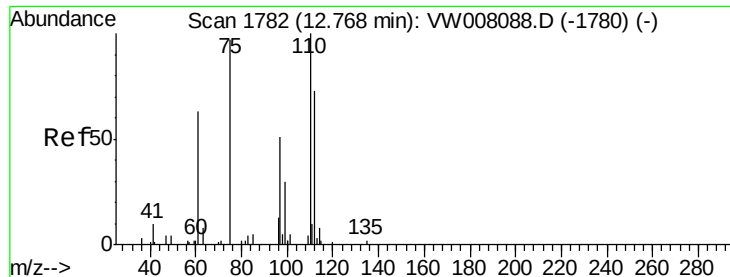
Tot Ion:117 Resp: 152408
Ion Ratio Lower Upper
117 100
82 54.9 46.4 69.6
119 31.6 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008312.D
Acq: 16 Jan 2019 16:56

Tgt Ion:152 Resp: 64633
Ion Ratio Lower Upper
152 100
115 59.3 30.8 92.4
150 157.7 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 56.348 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008312.D

Acq: 16 Jan 2019 16:56

Instrument :

MSVOA_W

ClientSampleId :

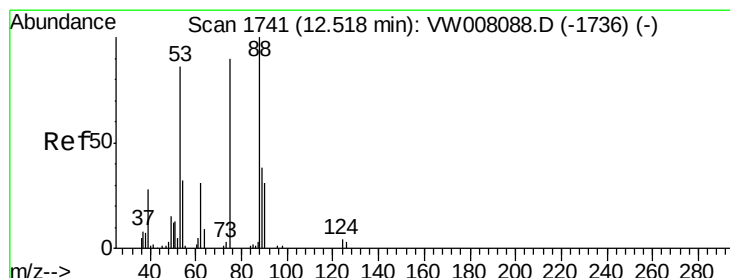
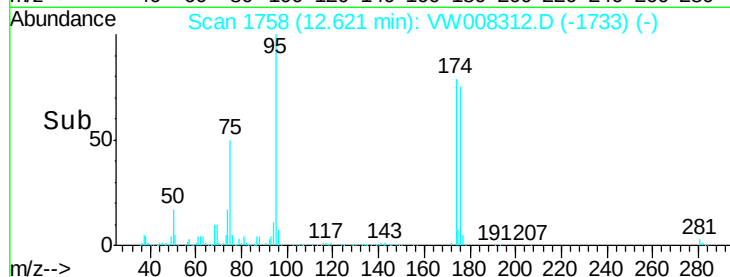
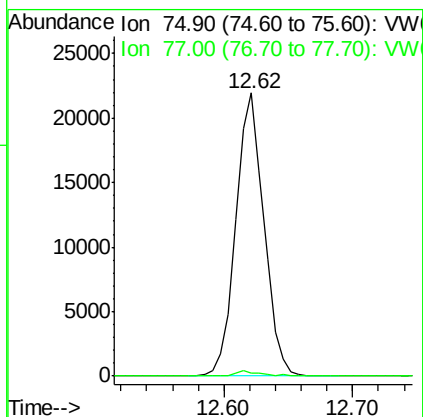
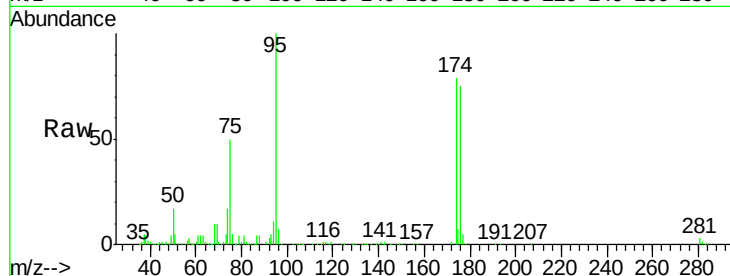
VOC-5

Tot Ion: 75 Resp: 33200

Ion Ratio Lower Upper

75 100

77 1.7 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.216 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008312.D

Acq: 16 Jan 2019 16:56

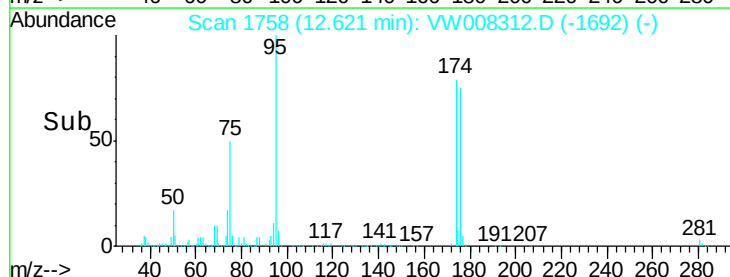
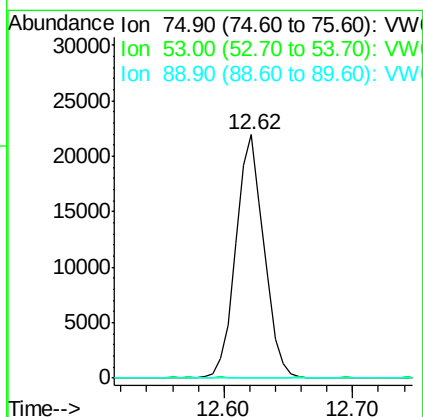
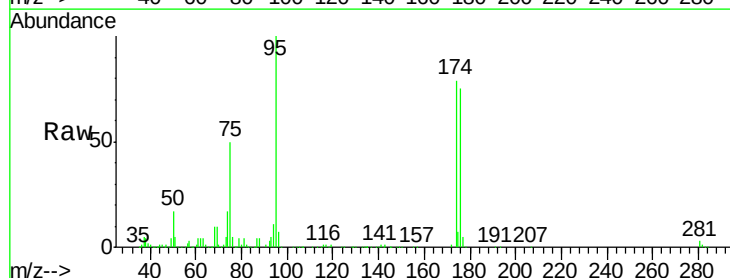
Tgt Ion: 75 Resp: 33200

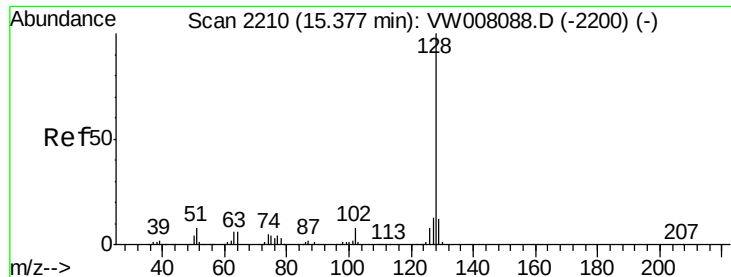
Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 35.4 53.2#

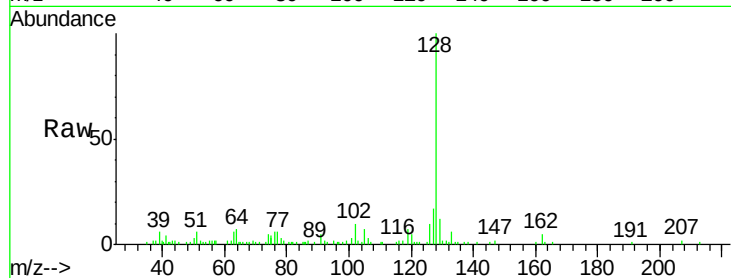




#95
Naphthalene
Concen: 6.364 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008312.D
Acq: 16 Jan 2019 16:56

Instrument :
MSVOA_W
ClientSampleId :
VOC-5

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.3	11.0	16.4
129	10.3	9.0	13.6



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

