

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010130.D
 Acq On : 05 Apr 2019 14:28
 Operator : SY/MD
 Sample : K2148-11
 Misc : 5.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5F8

Quant Time: Apr 05 23:49:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:46:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	273669	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	263306	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.31	152	261794	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55933	15.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.08%
7) Chloroethane-d5	1.56	69	60639	13.33	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.32%
10) 1,1-Dichloroethene-d2	2.12	63	117705	12.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.96%
20) 2-Butanone-d5	3.93	46	41238	39.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.10%
24) Chloroform-d	4.40	84	136658	19.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.28%
26) 1,2-Dichloroethane-d4	5.08	65	82851	21.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.92%
29) Benzene-d6	5.10	84	287620	21.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.24%
33) 1,2-Dichloropropane-d6	6.12	67	87309	21.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.68%
37) Toluene-d8	7.36	98	270947	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.36%
38) trans-1,3-Dichloropropene-	7.66	79	36916	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.72%
39) 2-Hexanone-d5	8.13	63	38243	47.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.64%
48) 1,1,2,2-Tetrachloroethane-	10.39	84	23006	5.79	ug/L	0.13
Spiked Amount	25.000	Range	45 - 120	Recovery	=	23.16%#
61) 1,2-Dichlorobenzene-d4	11.68	152	520659	51.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	204.24%#

Target Compounds

					Qvalue
13) Acetone	2.19	43	38751	37.595 ug/L	99
14) Carbon disulfide	2.32	76	2809	0.362 ug/L	98
16) Methylene chloride	2.53	84	18594	3.867 ug/L	99
21) 2-Butanone	4.02	43	7602	6.734 ug/L	85
36) Methylcyclohexane	6.17	83	34778	6.264 ug/L	89
42) cis-1,3-Dichloropropene	7.03	75	2682	0.569 ug/L #	65
43) 4-Methyl-2-pentanone	7.31	43	19475	8.091 ug/L #	57
49) 2-Hexanone	8.25	43	226753	131.885 ug/L #	1
57) Isopropylbenzene	9.98	105	172945	10.975 ug/L #	85
58) 1,1,2,2-Tetrachloroethane	10.30	83	1331187	359.282 ug/L #	33
59) 1,2,3-Trichloropropane	10.30	75	3875	1.458 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.48	75	27090	26.467 ug/L #	8
67) 1,3,5-Trichlorobenzene	12.67	180	11977	1.050 ug/L #	20
68) 1,2,4-trichlorobenzene	13.32	180	2941	0.337 ug/L #	1
69) Naphthalene	13.54	128	321703	22.129 ug/L #	4
70) 1,2,3-Trichlorobenzene	13.82	180	40118	4.918 ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Fri Apr 05 23:46:15 2019
Response via : Initial Calibration

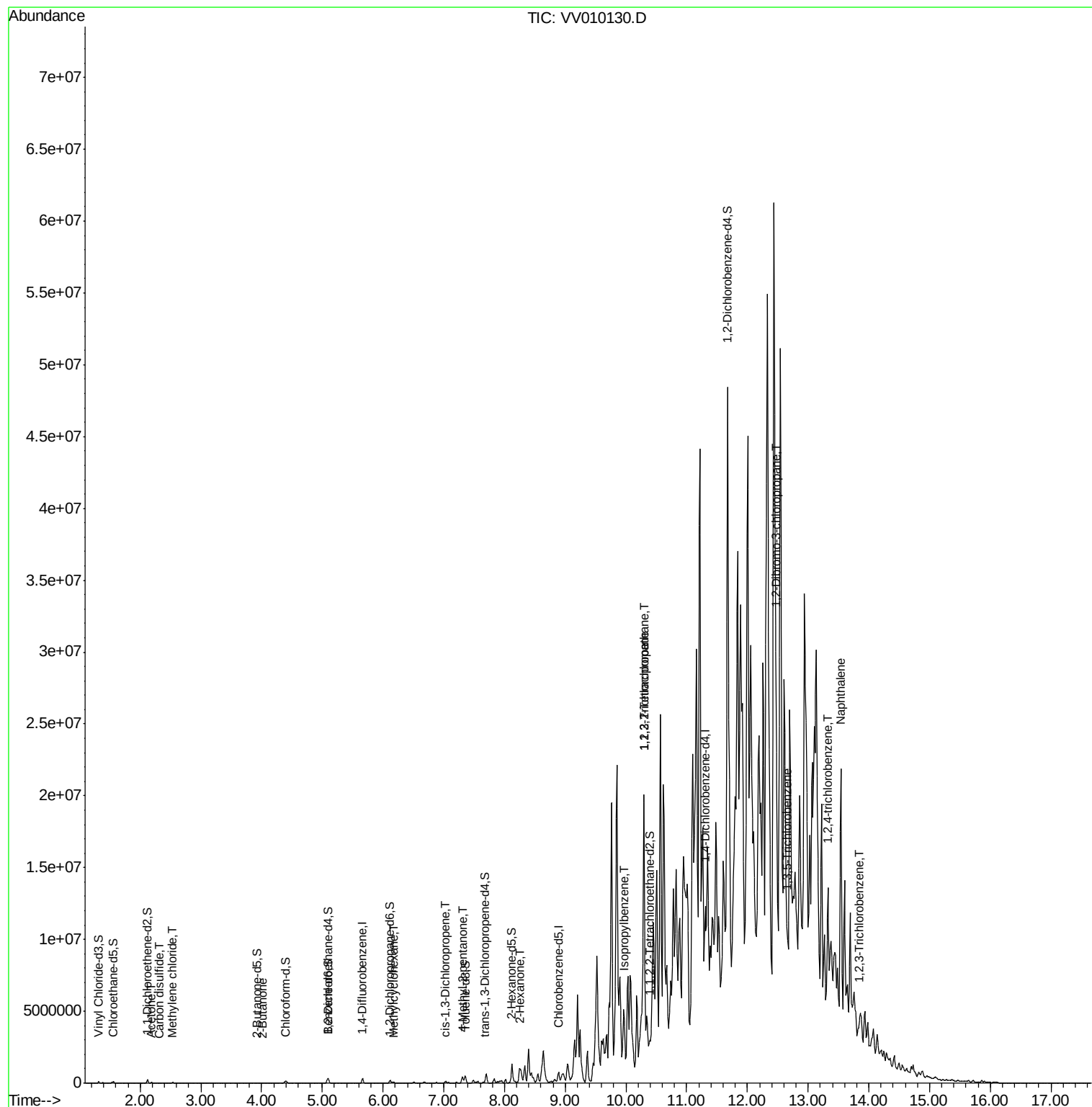
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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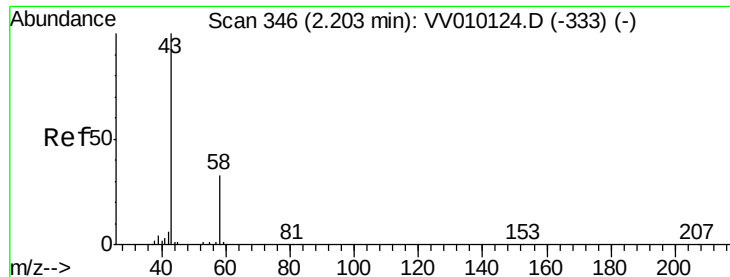
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 37.595 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV010130.D

Acq: 05 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

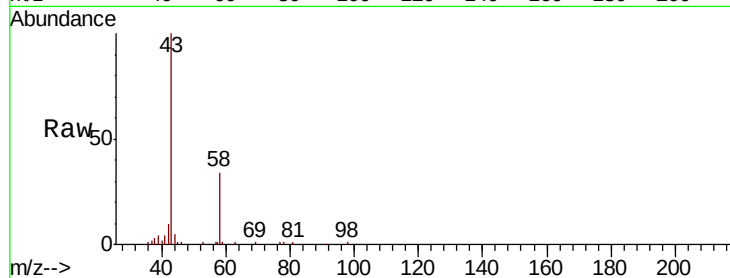
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Tgt Ion: 43 Resp: 38751

Ion Ratio Lower Upper

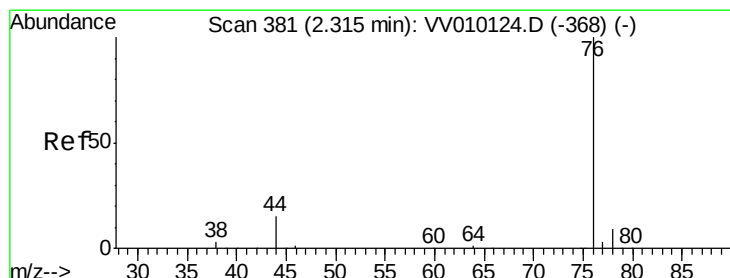
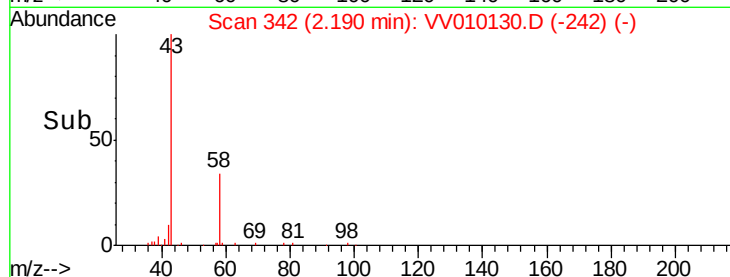
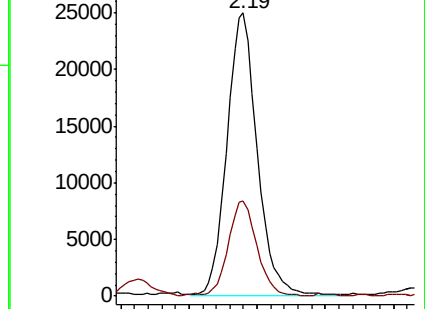
43 100

58 31.7 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010124.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV010124.D (-333) (-)



#14

Carbon disulfide

Concen: 0.362 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010130.D

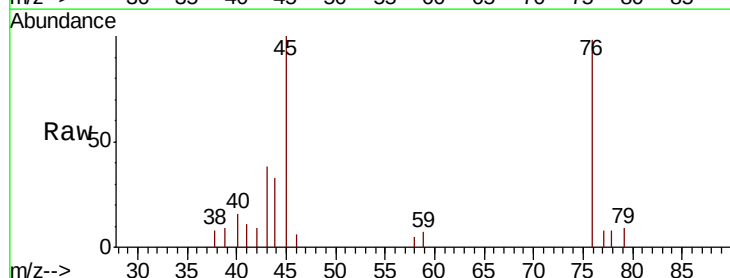
Acq: 05 Apr 2019 14:28

Tgt Ion: 76 Resp: 2809

Ion Ratio Lower Upper

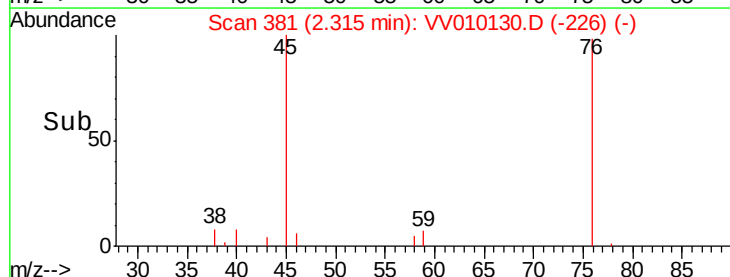
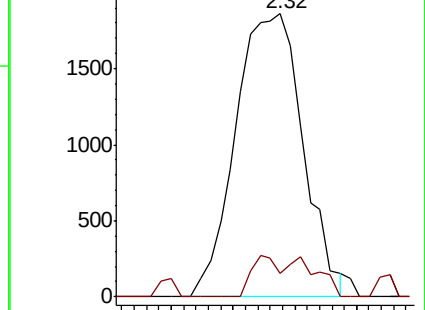
76 100

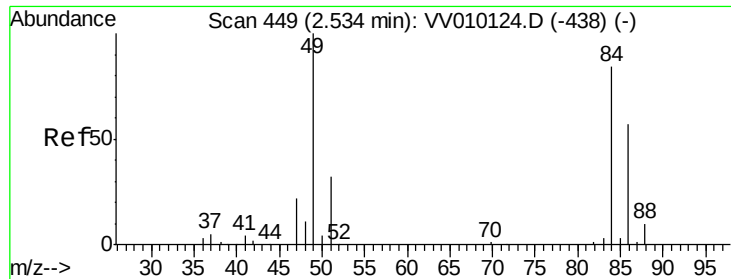
78 8.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV010124.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010124.D (-368) (-)

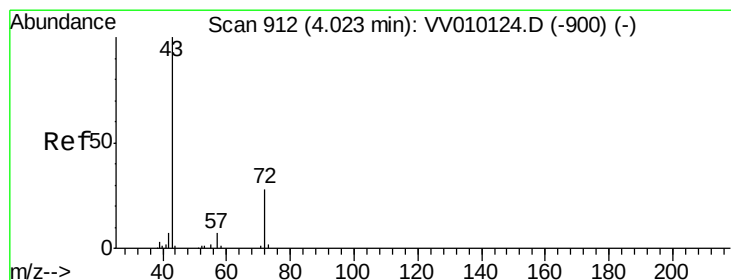
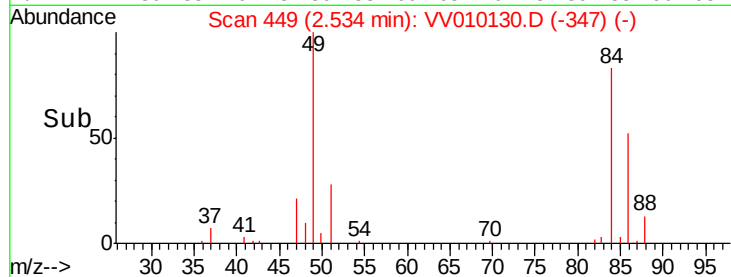
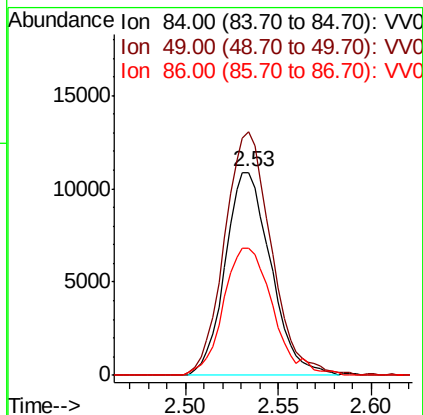
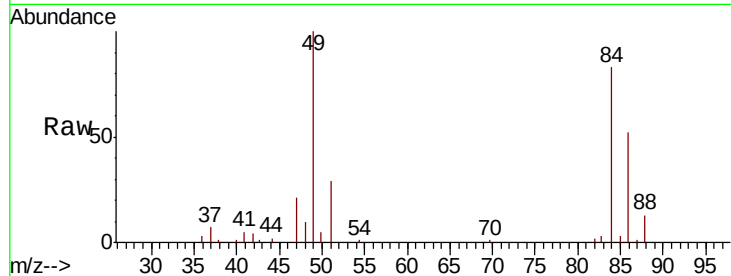




#16
Methylene chloride
Concen: 3.867 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010130.D
Acq: 05 Apr 2019 14:28

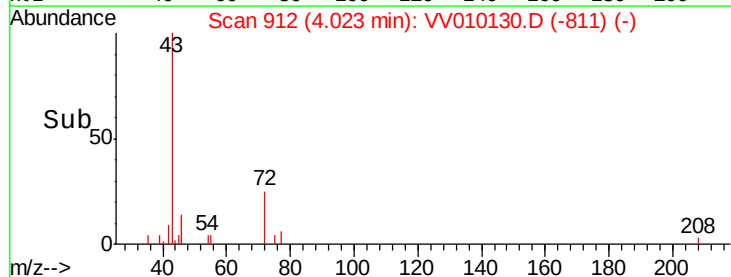
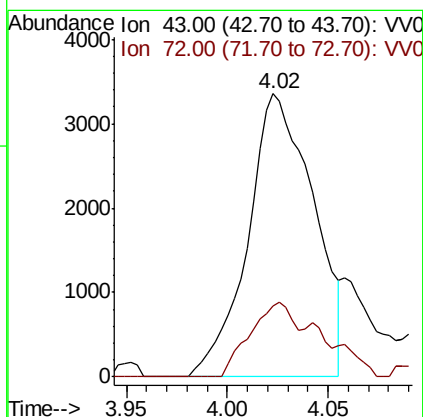
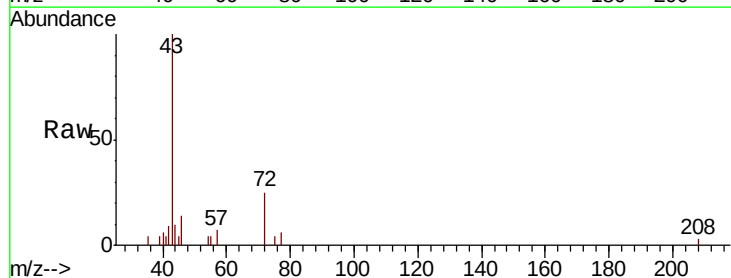
Instrument :
MSVOA_V
ClientSampled :
BF5F8

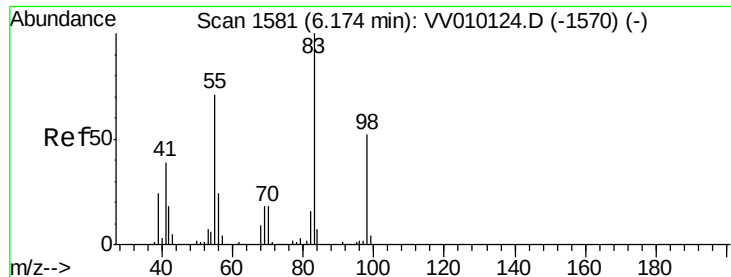
Tgt Ion: 84 Resp: 18594
Ion Ratio Lower Upper
84 100
49 119.8 84.3 156.5
86 62.7 45.4 84.2



#21
2-Butanone
Concen: 6.734 ug/L
RT: 4.02 min Scan# 912
Delta R.T. -0.01 min
Lab File: VV010130.D
Acq: 05 Apr 2019 14:28

Tgt Ion: 43 Resp: 7602
Ion Ratio Lower Upper
43 100
72 18.0 12.8 38.4

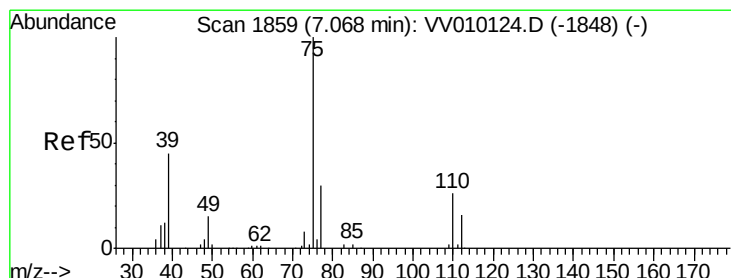
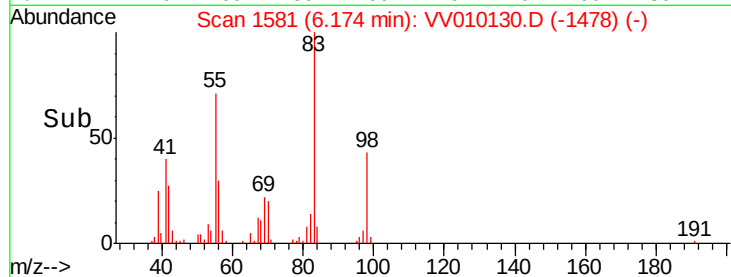
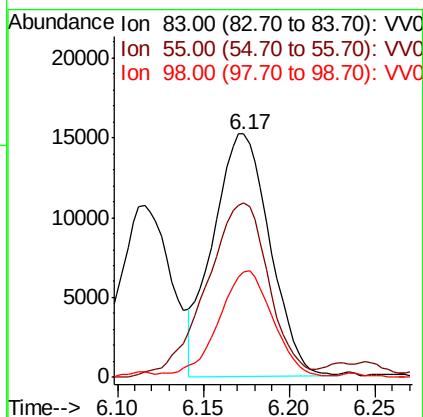
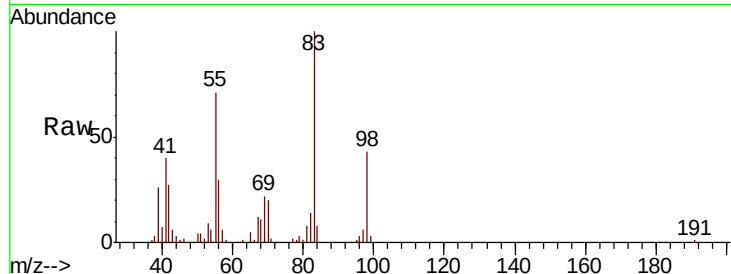




#36
Methylcyclohexane
Concen: 6.264 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV010130.D
Acq: 05 Apr 2019 14:28

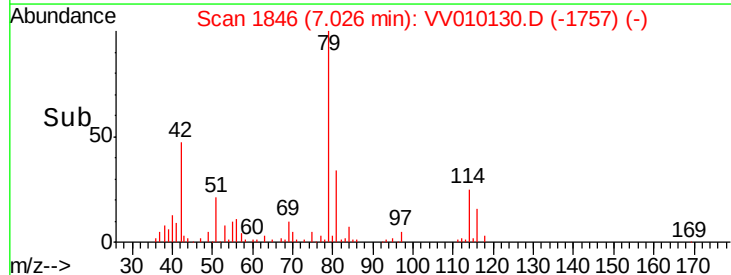
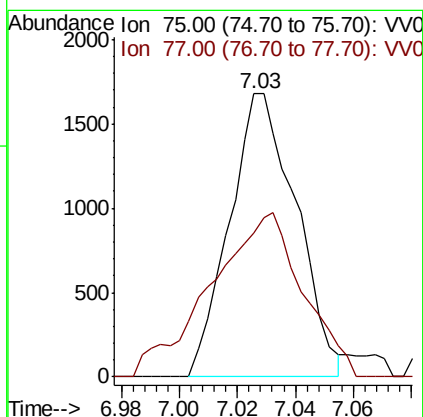
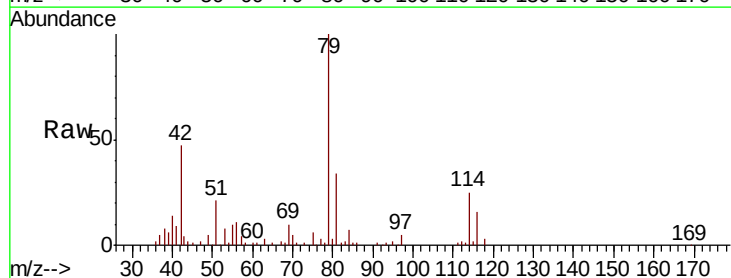
Instrument :
MSVOA_V
ClientSampled :
BF5F8

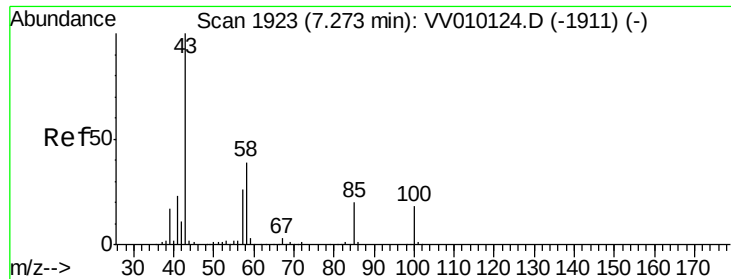
Tgt Ion: 83 Resp: 34778
Ion Ratio Lower Upper
83 100
55 79.7 56.3 84.5
98 41.1 39.0 58.6



#42
cis-1,3-Dichloropropene
Concen: 0.569 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.05 min
Lab File: VV010130.D
Acq: 05 Apr 2019 14:28

Tgt Ion: 75 Resp: 2682
Ion Ratio Lower Upper
75 100
77 50.8 22.1 41.1#

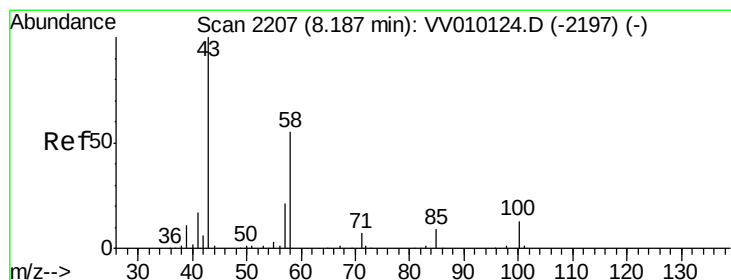
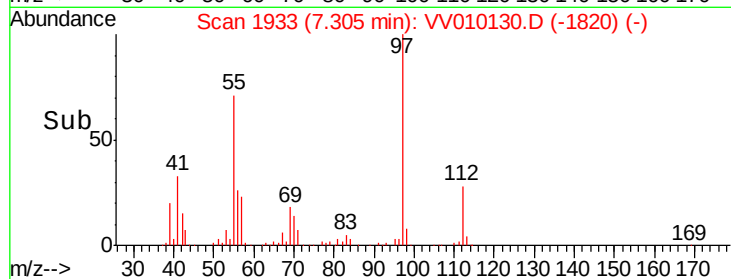
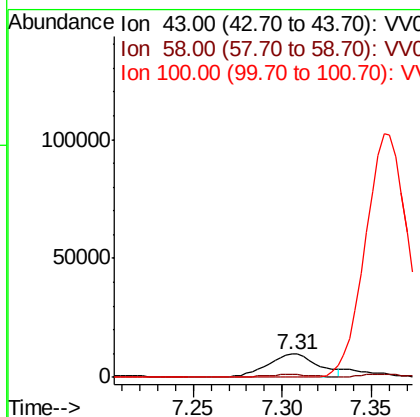
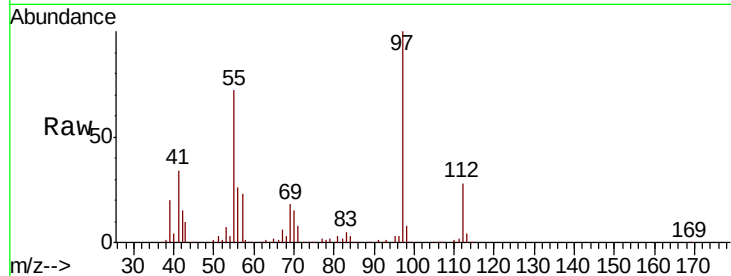




#43
 4-Methyl-2-pentanone
 Concen: 8.091 ug/L
 RT: 7.31 min Scan# 1933
 Delta R.T. 0.03 min
 Lab File: VV010130.D
 Acq: 05 Apr 2019 14:28

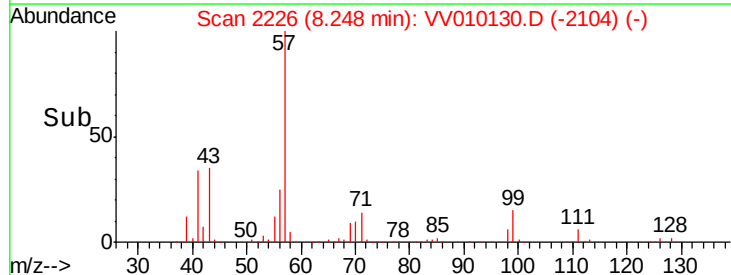
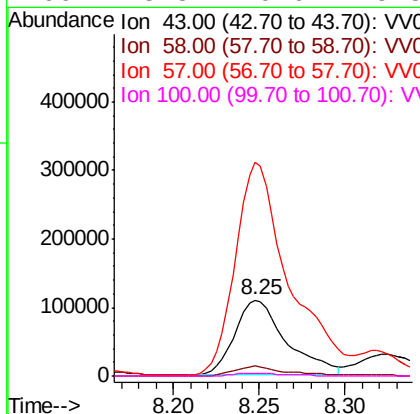
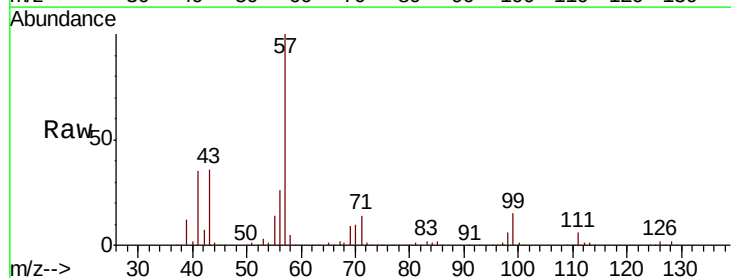
Instrument :
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 ClientSampleId :
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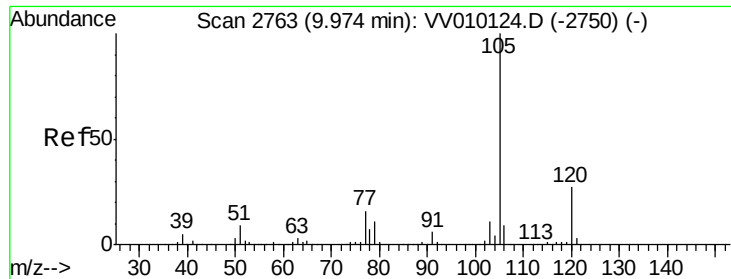
Tgt Ion: 43 Resp: 19475
 Ion Ratio Lower Upper
 43 100
 58 11.8 31.5 47.3#
 100 0.0 13.4 20.0#



#49
 2-Hexanone
 Concen: 131.885 ug/L
 RT: 8.25 min Scan# 2226
 Delta R.T. 0.06 min
 Lab File: VV010130.D
 Acq: 05 Apr 2019 14:28

Tgt Ion: 43 Resp: 226753
 Ion Ratio Lower Upper
 43 100
 58 12.9 44.3 66.5#
 57 296.8 13.8 20.8#
 100 3.8 10.6 15.8#





#57

Isopropylbenzene

Concen: 10.975 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.01 min

Lab File: VV010130.D

Acq: 05 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampled :

BF5F8

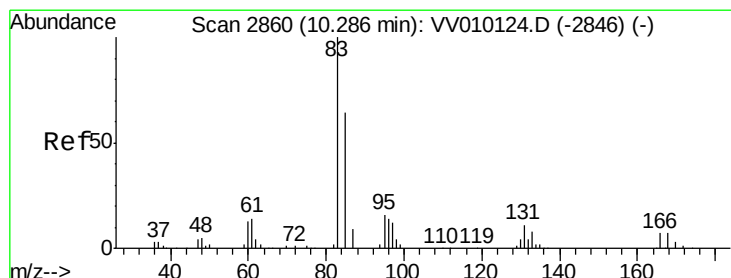
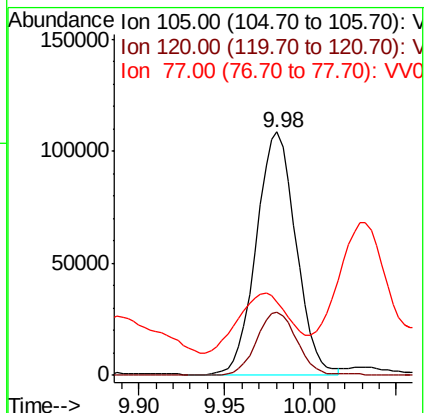
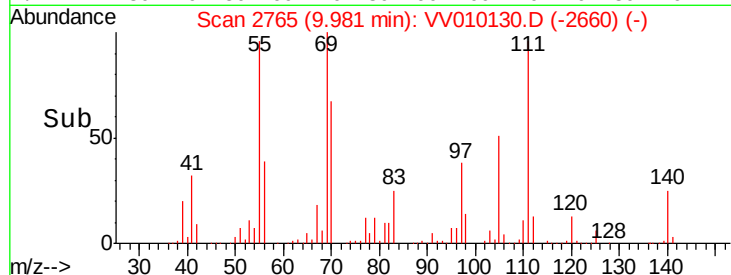
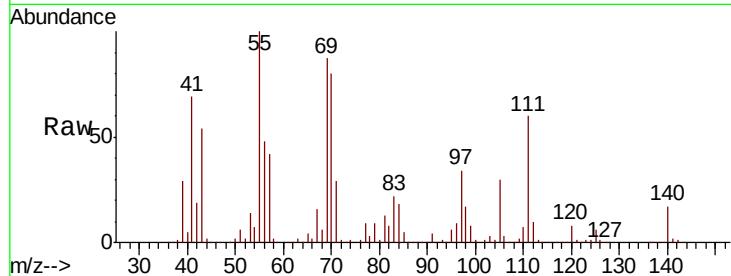
Tgt Ion: 105 Resp: 172945

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

77 32.3 12.4 18.6#



#58

1,1,2,2-Tetrachloroethane

Concen: 359.282 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.01 min

Lab File: VV010130.D

Acq: 05 Apr 2019 14:28

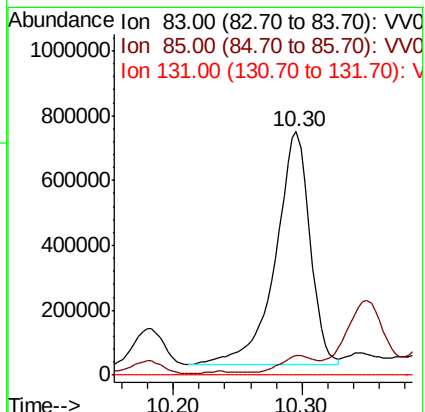
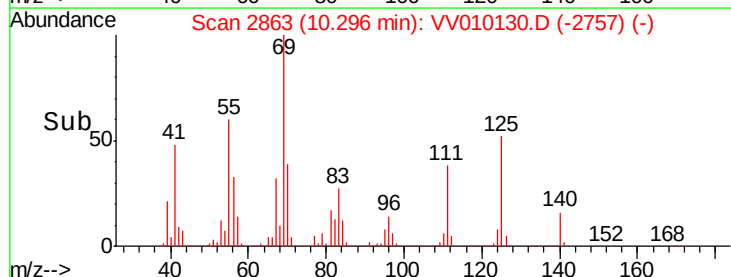
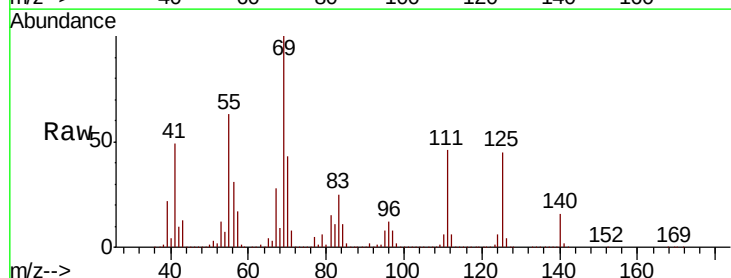
Tgt Ion: 83 Resp: 1331187

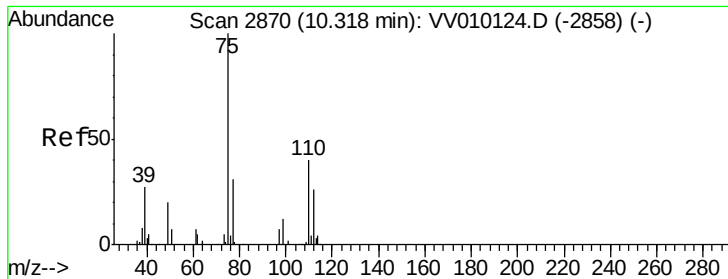
Ion Ratio Lower Upper

83 100

85 8.0 46.1 85.7#

131 0.0 9.0 13.4#





#59

1,2,3-Trichloropropane

Concen: 1.458 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. -0.02 min

Lab File: VV010130.D

Acq: 05 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampled :

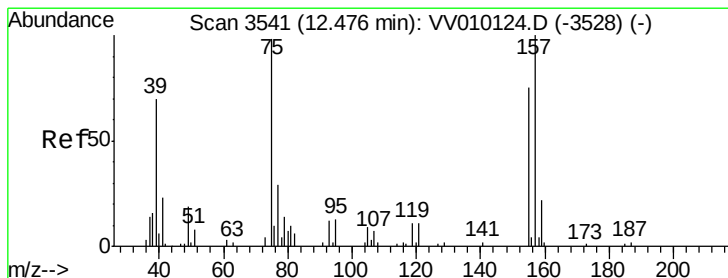
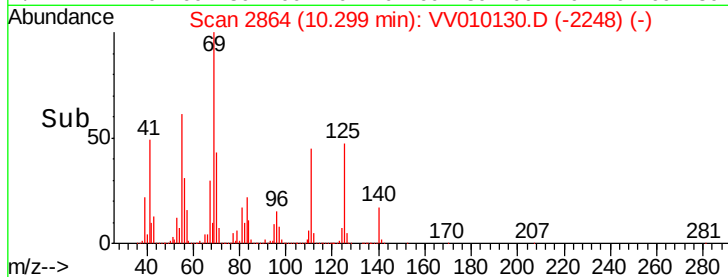
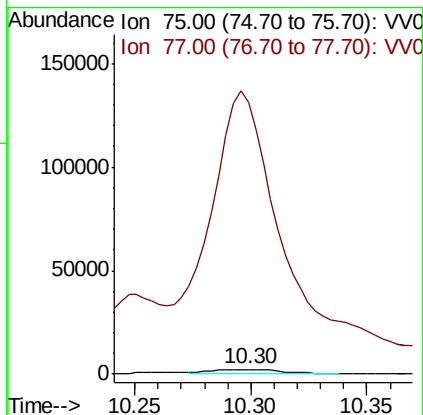
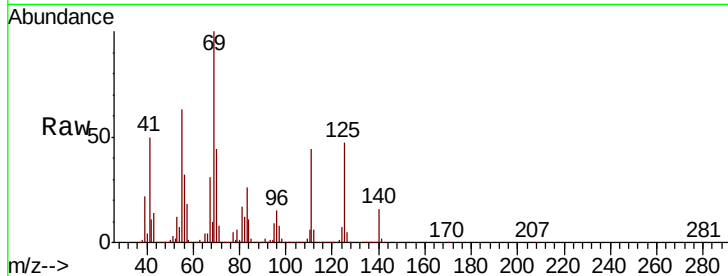
BF5F8

Tgt Ion: 75 Resp: 3875

Ion Ratio Lower Upper

75 100

77 6666.6 25.8 38.8#



#66

1,2-Dibromo-3-chloropropane

Concen: 26.467 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010130.D

Acq: 05 Apr 2019 14:28

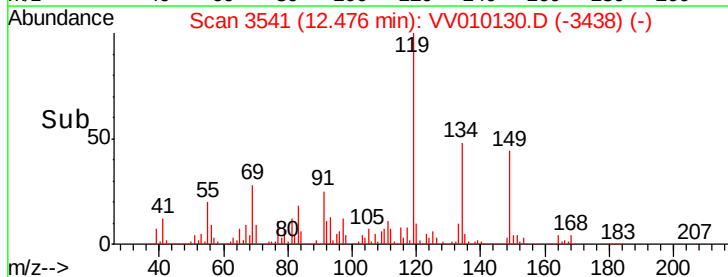
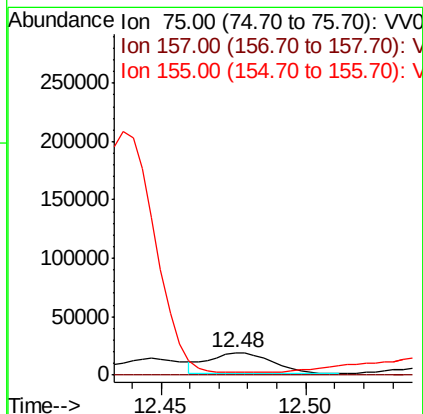
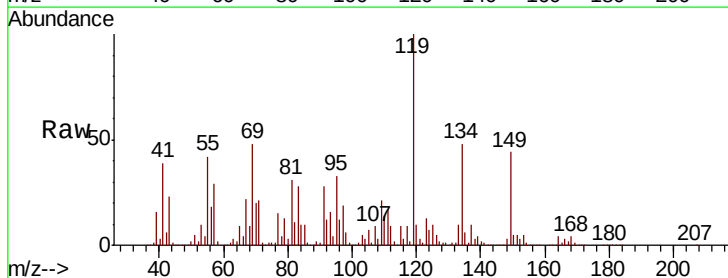
Tgt Ion: 75 Resp: 27090

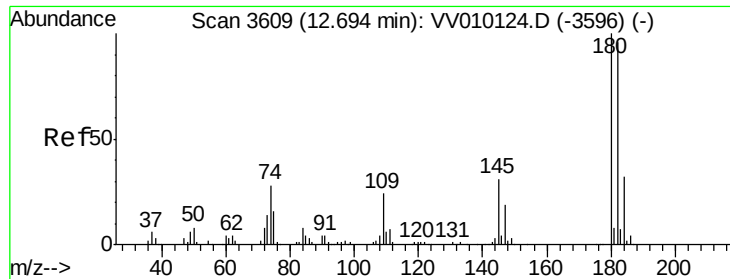
Ion Ratio Lower Upper

75 100

157 0.7 83.0 124.6#

155 11.8 68.1 102.1#

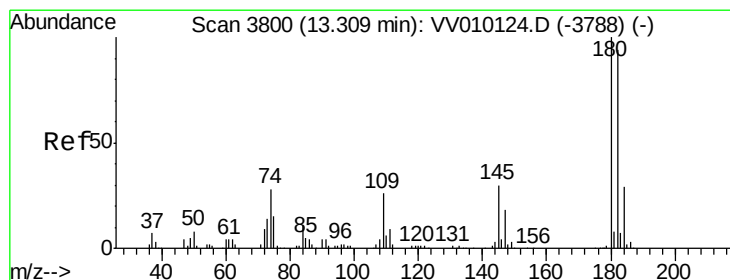
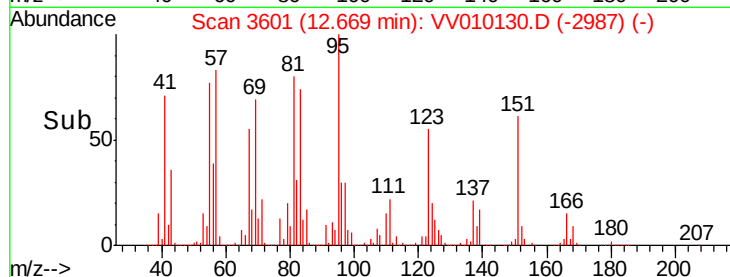
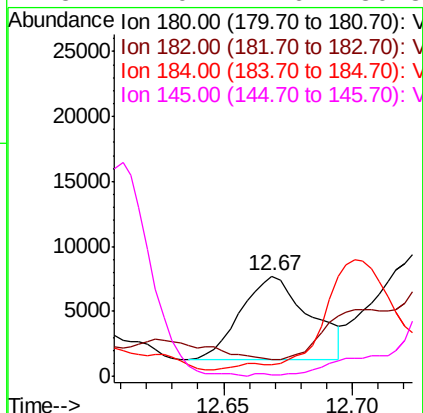
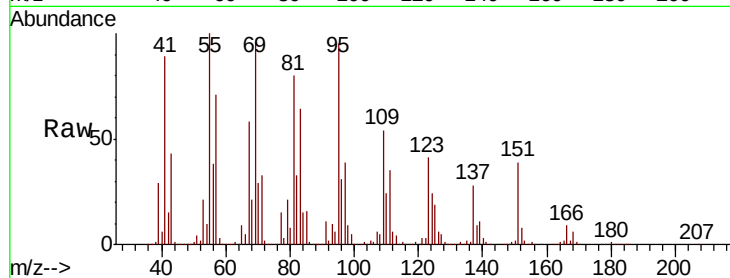




#67
 1,3,5-Trichlorobenzene
 Concen: 1.050 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.03 min
 Lab File: VV010130.D
 Acq: 05 Apr 2019 14:28

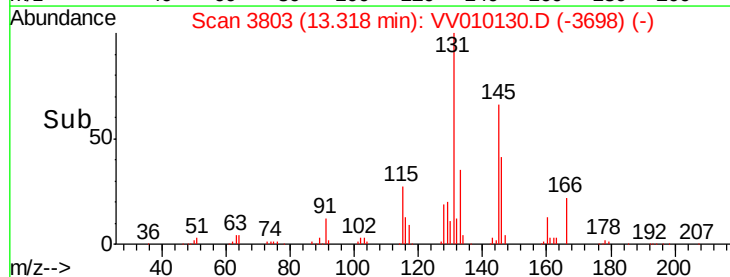
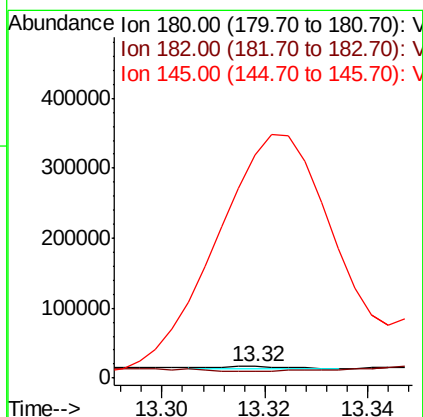
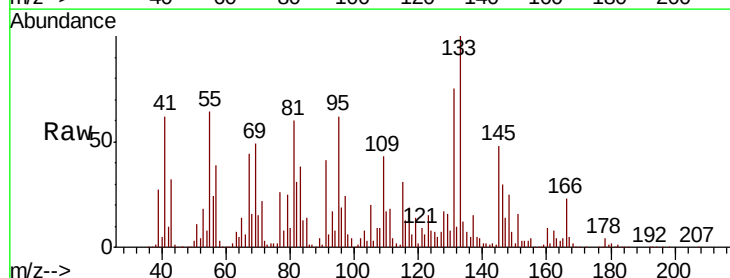
Instrument :
 MSVOA_V
 ClientSampleId :
 BF5F8

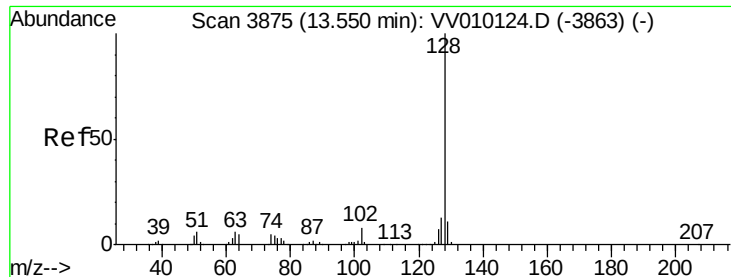
Tgt Ion:180 Resp: 11977
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.2 115.8#
 184 3.9 23.8 35.6#
 145 1.0 24.6 36.8#



#68
 1,2,4-trichlorobenzene
 Concen: 0.337 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV010130.D
 Acq: 05 Apr 2019 14:28

Tgt Ion:180 Resp: 2941
 Ion Ratio Lower Upper
 180 100
 182 235.3 75.7 113.5#
 145 18493.8 24.6 37.0#





#69

Naphthalene

Concen: 22.129 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.01 min

Lab File: VV010130.D

Acq: 05 Apr 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

BF5F8

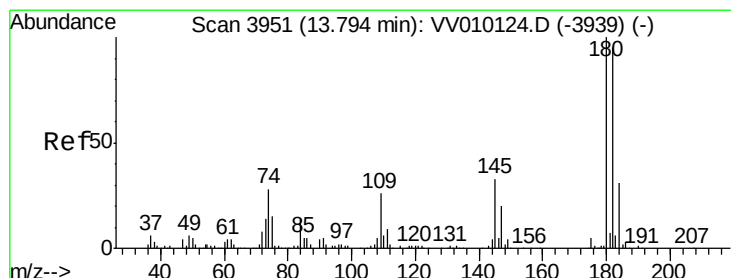
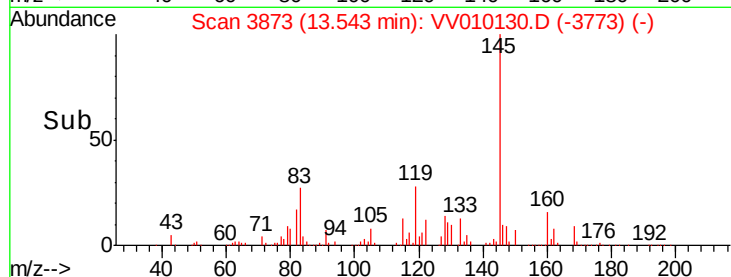
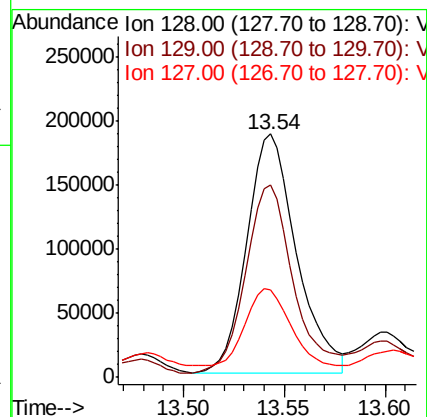
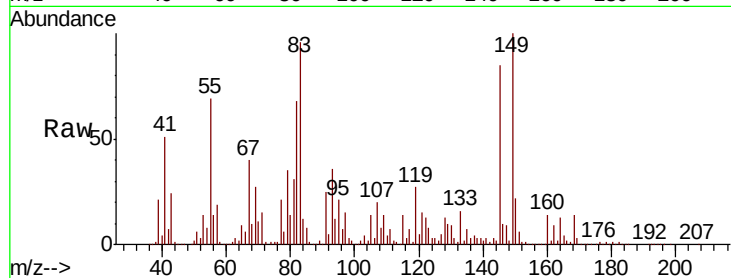
Tgt Ion:128 Resp: 321703

Ion Ratio Lower Upper

128 100

129 76.1 9.0 13.4#

127 28.3 11.0 16.4#



#70

1,2,3-Trichlorobenzene

Concen: 4.918 ug/L

RT: 13.82 min Scan# 3960

Delta R.T. 0.03 min

Lab File: VV010130.D

Acq: 05 Apr 2019 14:28

Tgt Ion:180 Resp: 40118

Ion Ratio Lower Upper

180 100

182 20.6 74.1 111.1#

145 907.7 25.8 38.8#

