

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010022.D
 Acq On : 30 Mar 2019 16:17
 Operator : SY/MD
 Sample : K2166-05
 Misc : 5.32G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF107

Quant Time: Mar 30 23:35:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	111018	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	117318	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47750	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40694	18.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.24%
7) Chloroethane-d5	1.55	69	56926	23.40	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.60%
10) 1,1-Dichloroethene-d2	2.12	63	99556	16.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.60%
20) 2-Butanone-d5	3.93	46	30423	72.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	144.94%#
24) Chloroform-d	4.40	84	62099	21.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.84%
26) 1,2-Dichloroethane-d4	5.08	65	53023	31.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	124.60%
29) Benzene-d6	5.10	84	148971	24.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.72%
33) 1,2-Dichloropropane-d6	6.12	67	50467	28.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.00%
37) Toluene-d8	7.36	98	124778	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.60%
38) trans-1,3-Dichloropropene-	7.66	79	16001	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.80%
39) 2-Hexanone-d5	8.14	63	23162	68.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.68%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	53149	29.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	49337	27.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.56%

Target Compounds

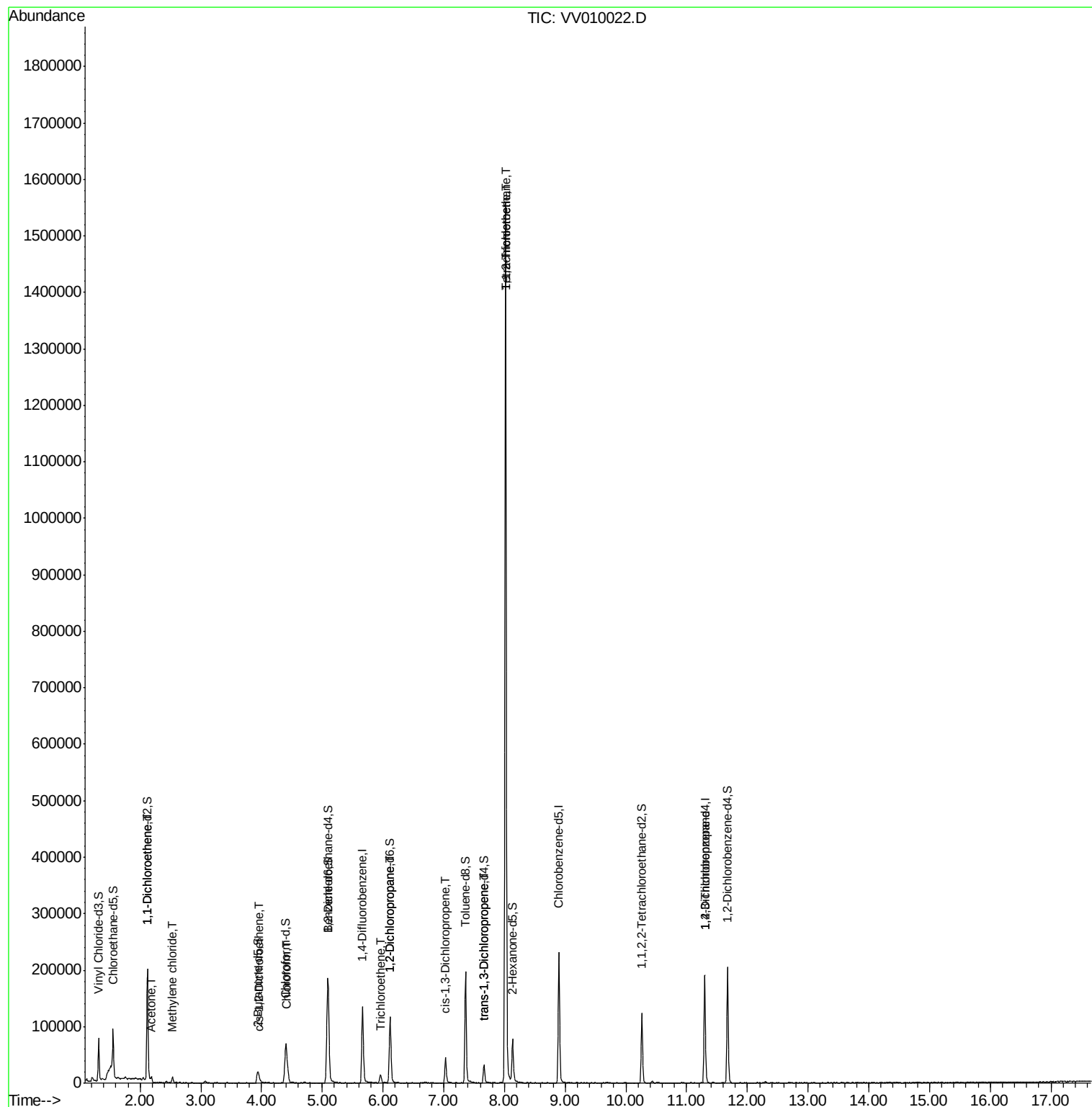
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.12	96	1753	0.645	ug/L #	1
13) Acetone	2.19	43	2750	4.327	ug/L	93
16) Methylene chloride	2.53	84	4018	2.198	ug/L	84
22) cis-1,2-Dichloroethene	3.96	96	977	0.608	ug/L	80
25) Chloroform	4.42	83	16821	5.719	ug/L	99
35) Trichloroethene	5.96	95	4069	2.394	ug/L	93
40) 1,2-Dichloropropane	6.11	63	6366	3.954	ug/L #	92
42) cis-1,3-Dichloropropene	7.04	75	1666	0.710	ug/L	90
45) trans-1,3-Dichloropropene	7.67	75	1065	0.554	ug/L #	79
46) 1,1,2-Trichloroethane	8.02	97	2823	2.120	ug/L #	4
47) Tetrachloroethene	8.02	164	298099	222.304	ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	7735	5.972	ug/L	95

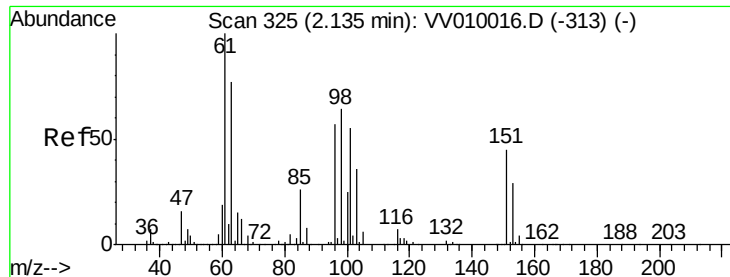
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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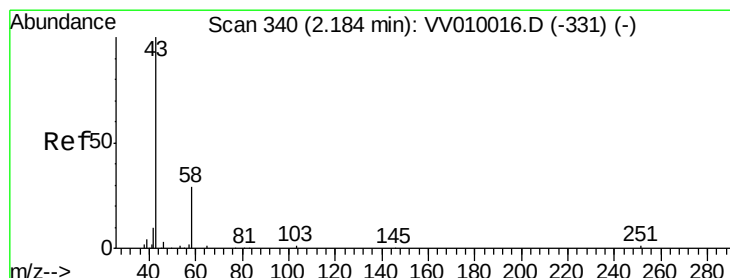
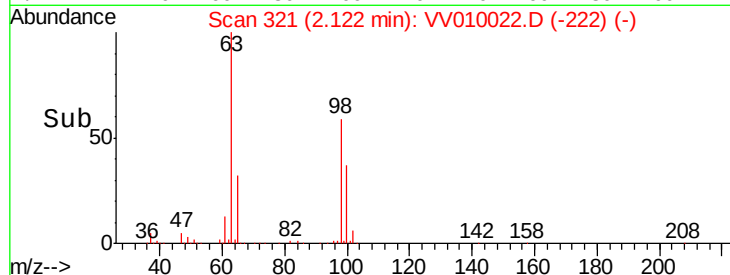
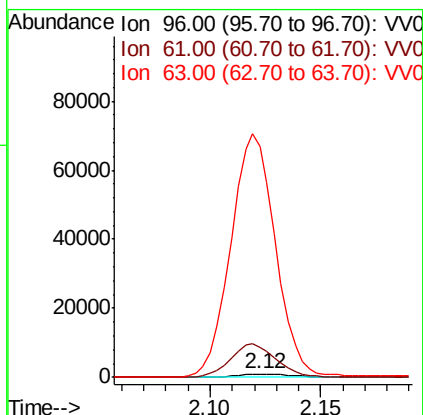
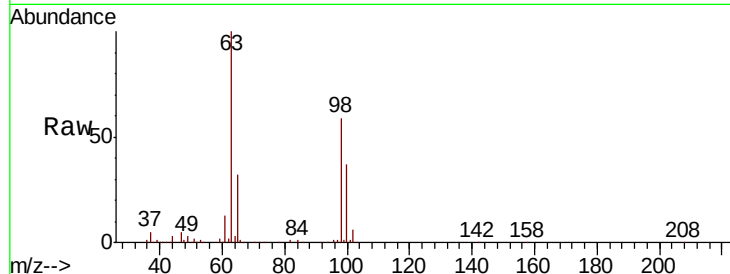




#12
 1,1-Dichloroethene
 Concen: 0.645 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV010022.D
 Acq: 30 Mar 2019 16:17

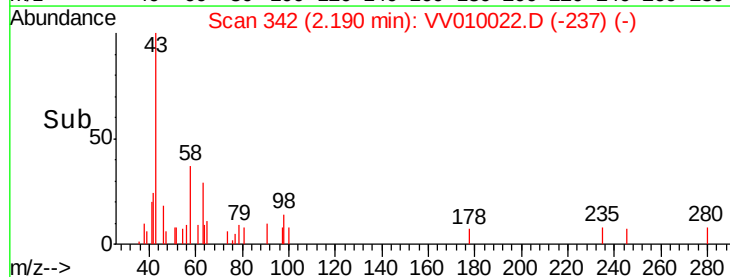
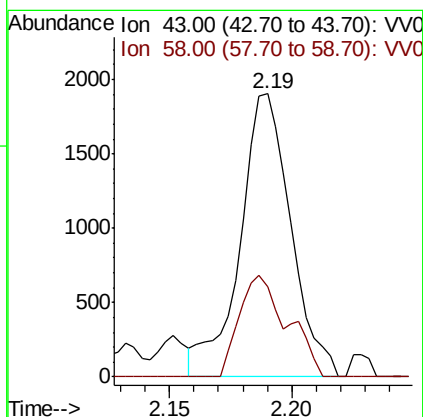
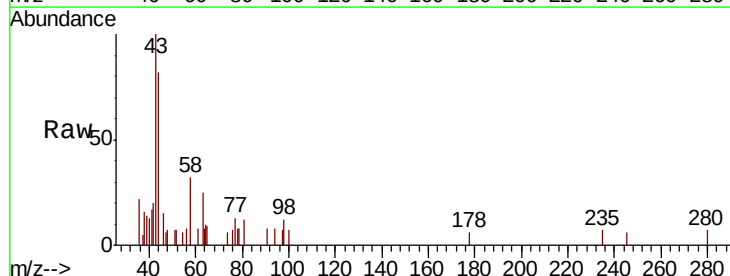
Instrument :
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 ClientSampleId :
 BF107

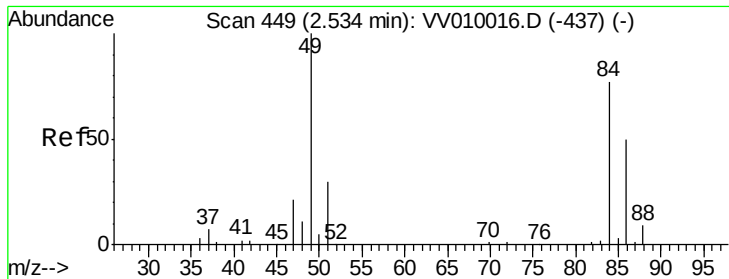
Tgt Ion: 96 Resp: 1753
 Ion Ratio Lower Upper
 96 100
 61 891.6 124.3 230.8#
 63 6822.4 88.2 163.8#



#13
 Acetone
 Concen: 4.327 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VV010022.D
 Acq: 30 Mar 2019 16:17

Tgt Ion: 43 Resp: 2750
 Ion Ratio Lower Upper
 43 100
 58 26.1 0.0 59.4

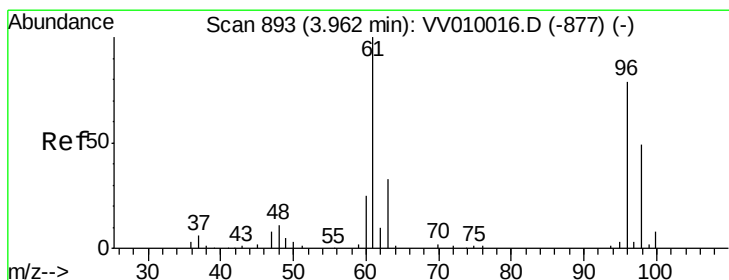
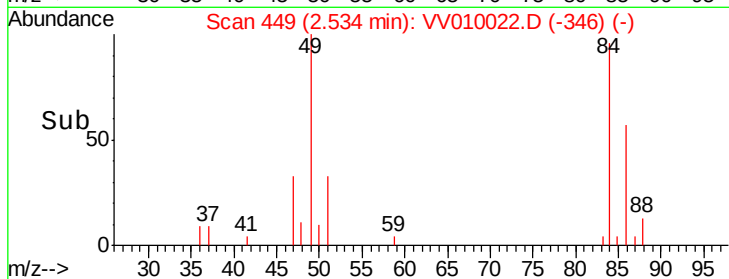
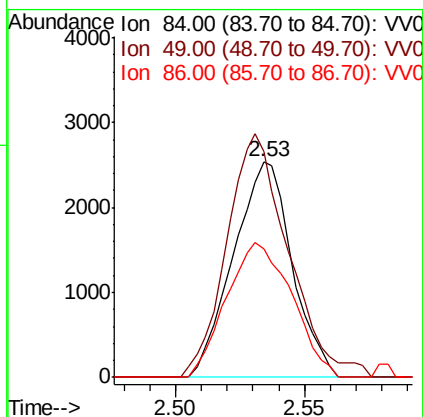
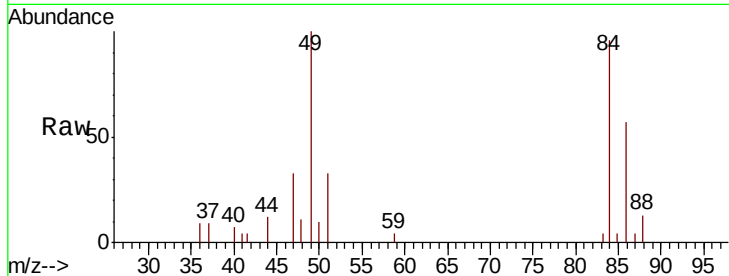




#16
Methylene chloride
Concen: 2.198 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010022.D
Acq: 30 Mar 2019 16:17

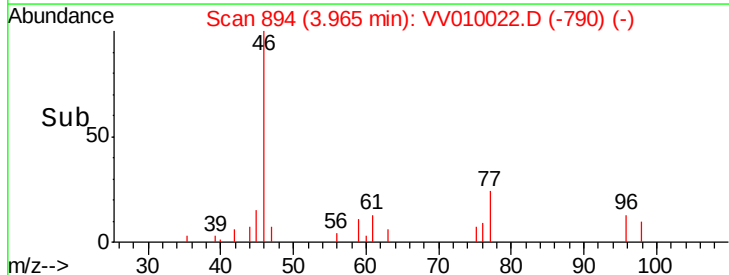
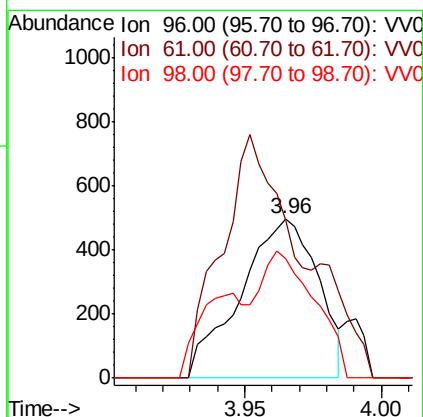
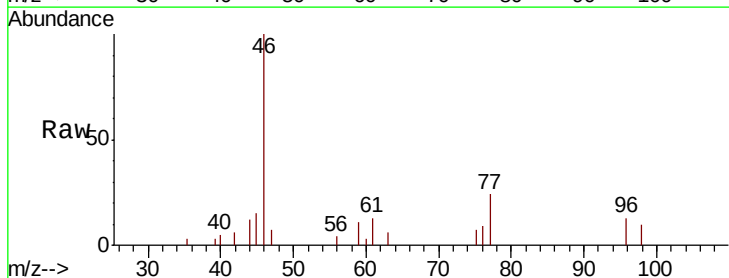
Instrument :
MSVOA_V
ClientSampleId :
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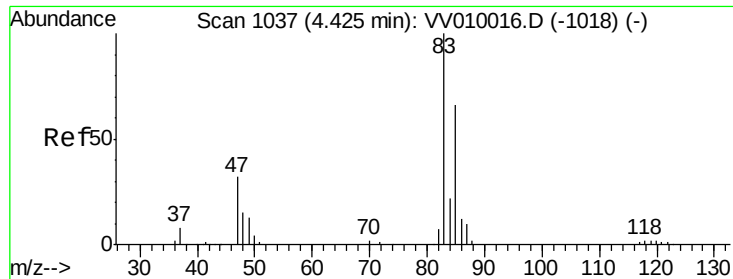
Tgt Ion: 84 Resp: 4018
Ion Ratio Lower Upper
84 100
49 104.4 90.4 167.8
86 59.4 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 0.608 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV010022.D
Acq: 30 Mar 2019 16:17

Tgt Ion: 96 Resp: 977
Ion Ratio Lower Upper
96 100
61 99.0 91.4 169.8
98 74.7 48.0 89.2

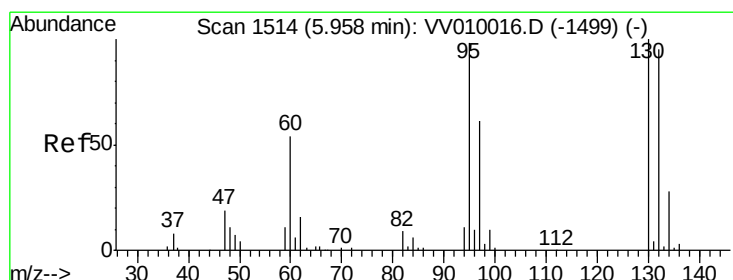
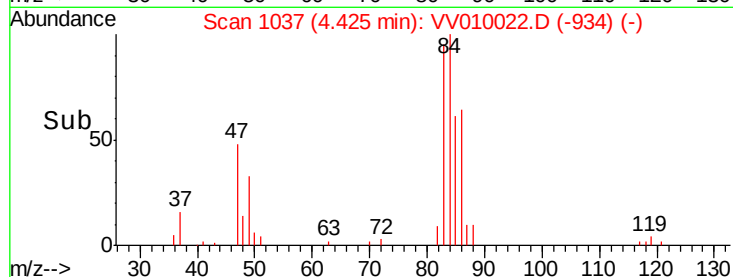
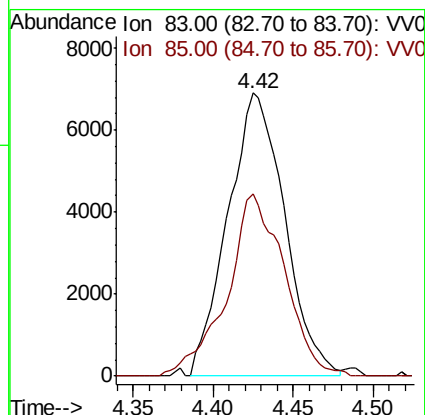
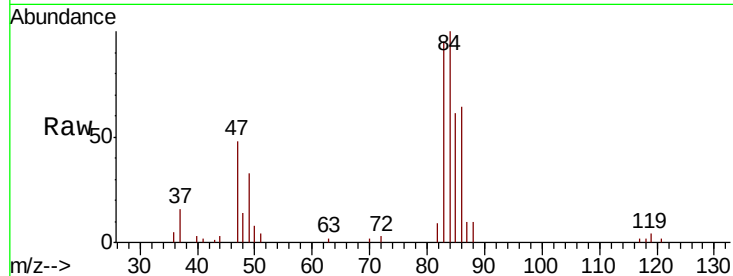




#25
Chloroform
Concen: 5.719 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010022.D
Acq: 30 Mar 2019 16:17

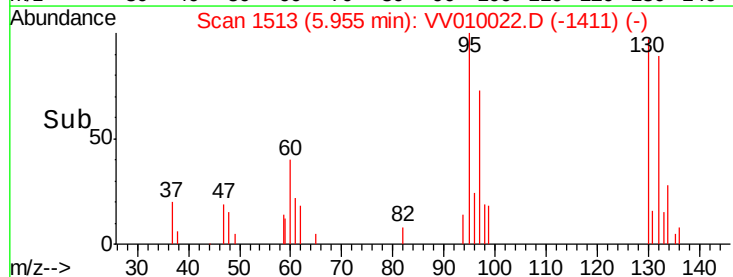
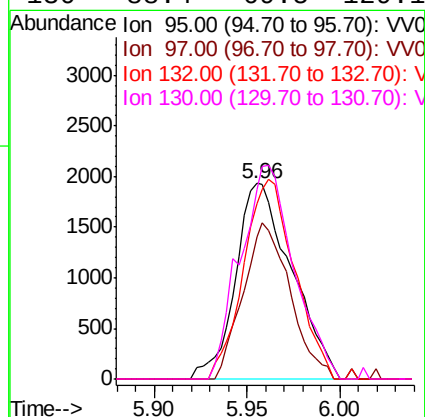
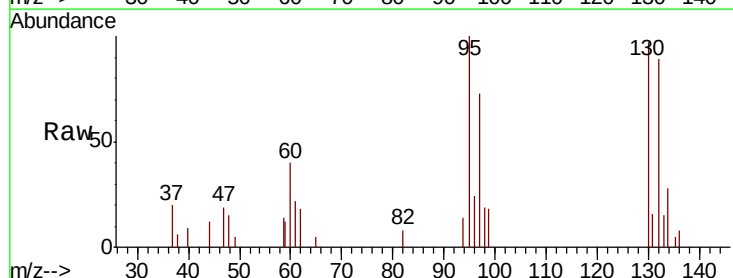
Instrument :
MSVOA_V
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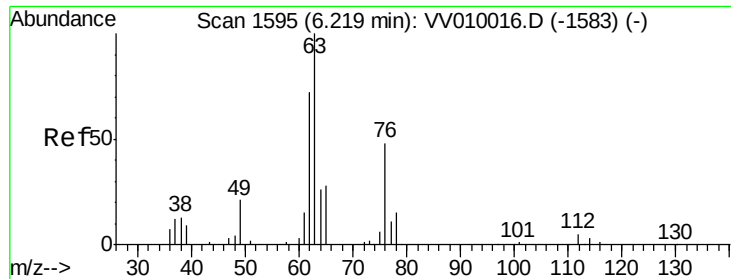
Tgt Ion: 83 Resp: 16821
Ion Ratio Lower Upper
83 100
85 64.9 46.1 85.7



#35
Trichloroethene
Concen: 2.394 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV010022.D
Acq: 30 Mar 2019 16:17

Tgt Ion: 95 Resp: 4069
Ion Ratio Lower Upper
95 100
97 67.0 46.3 85.9
132 92.6 69.3 128.7
130 88.4 69.5 129.1

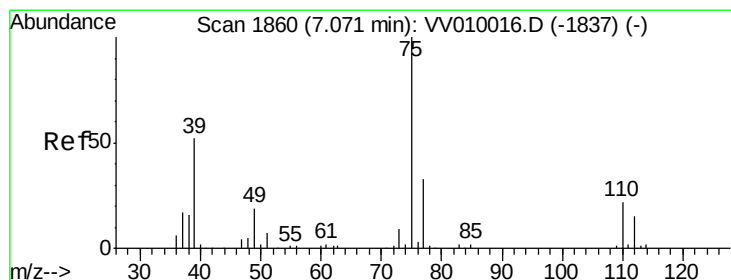
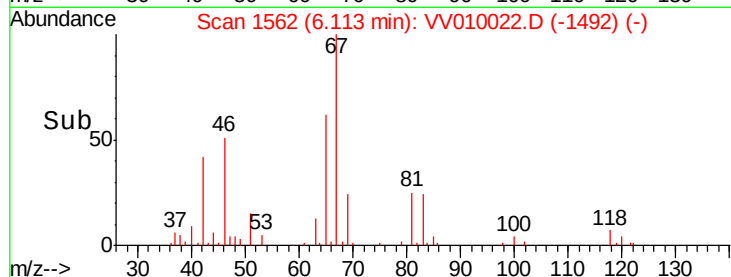
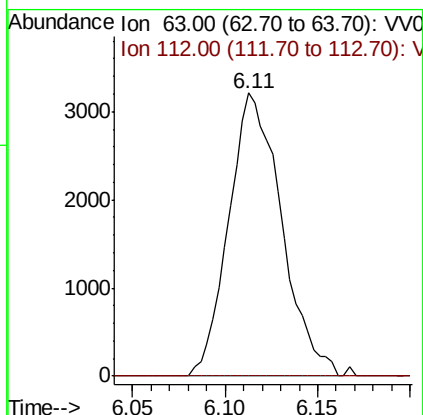
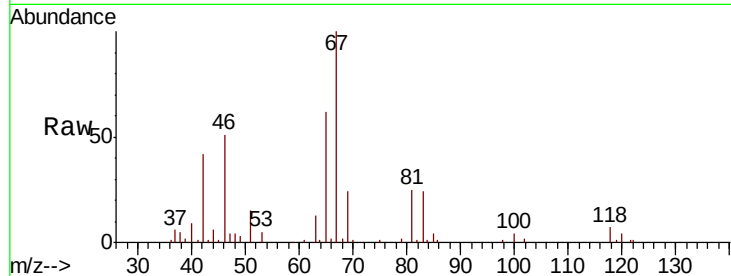




#40
 1,2-Dichloropropane
 Concen: 3.954 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV010022.D
 Acq: 30 Mar 2019 16:17

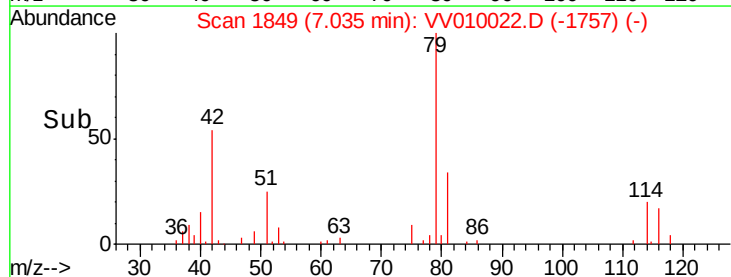
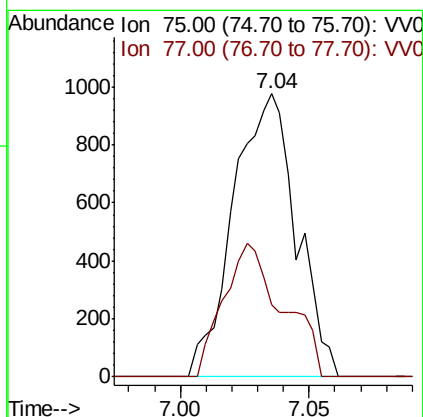
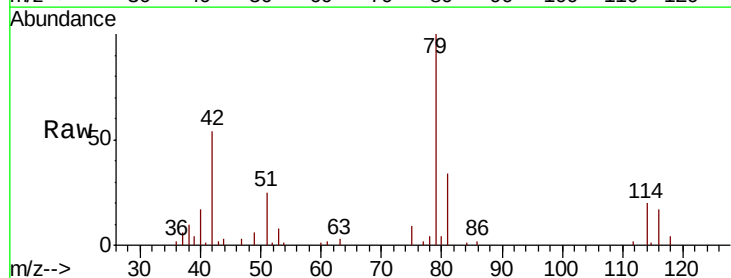
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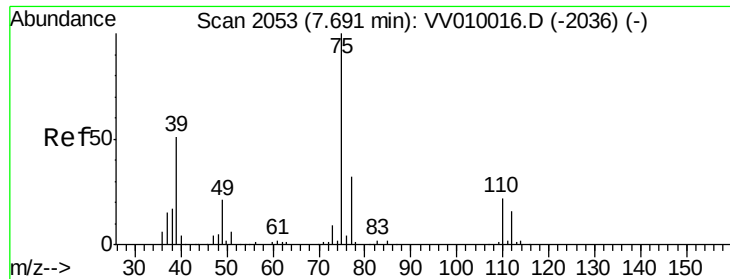
Tgt Ion: 63 Resp: 6366
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.1 3.1#



#42
 cis-1,3-Dichloropropene
 Concen: 0.710 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV010022.D
 Acq: 30 Mar 2019 16:17

Tgt Ion: 75 Resp: 1666
 Ion Ratio Lower Upper
 75 100
 77 25.6 21.8 40.6





#45

trans-1,3-Dichloropropene

Concen: 0.554 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV010022.D

Acq: 30 Mar 2019 16:17

Instrument :

MSVOA_V

ClientSampleId :

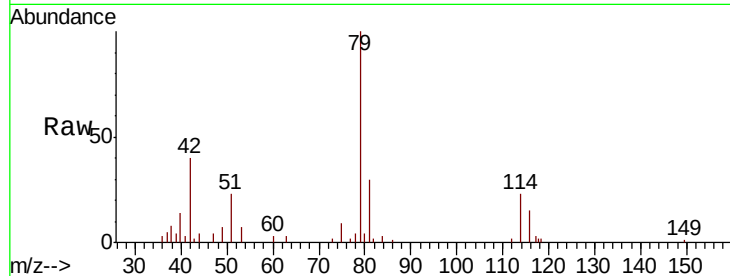
BF107

Tgt Ion: 75 Resp: 1065

Ion Ratio Lower Upper

75 100

77 18.1 20.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

800

600

400

200

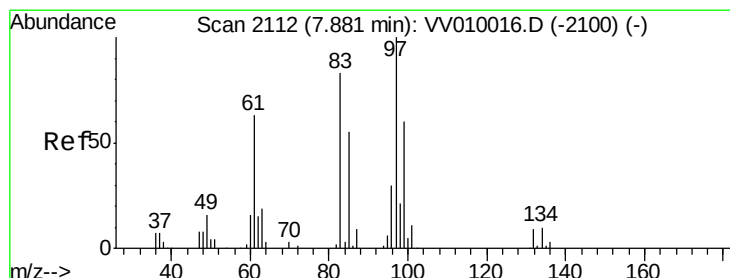
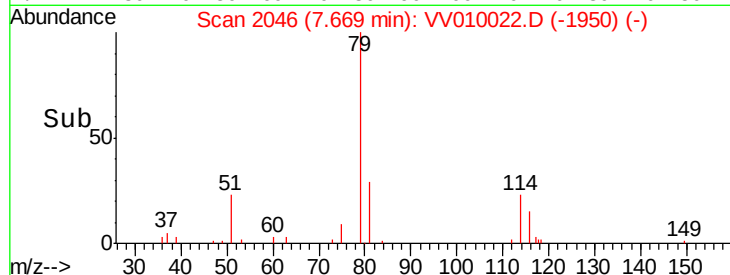
0

7.64

7.66

7.68

Time-->



#46

1,1,2-Trichloroethane

Concen: 2.120 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV010022.D

Acq: 30 Mar 2019 16:17

Tgt Ion: 97 Resp: 2823

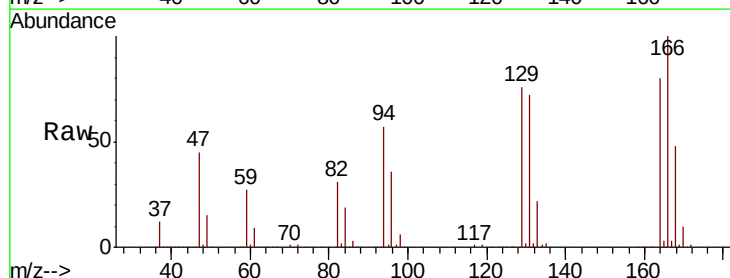
Ion Ratio Lower Upper

97 100

83 246.5 59.6 110.8#

85 43.8 39.2 72.8

99 19.4 42.6 79.2#



Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

6000

4000

2000

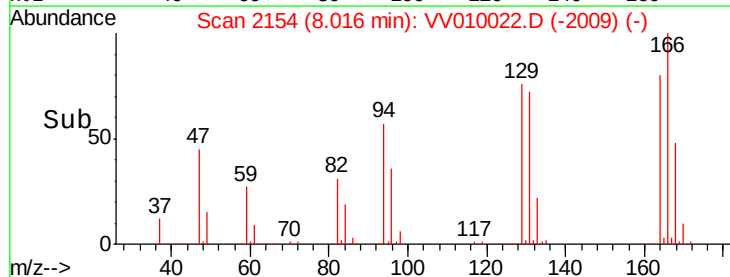
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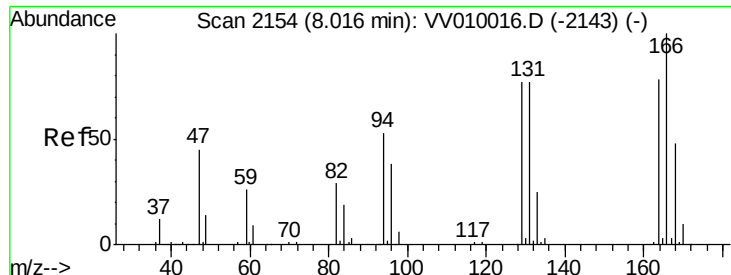
8.00

8.02

8.05

Time-->





#47

Tetrachloroethene

Concen: 222.304 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010022.D

Acq: 30 Mar 2019 16:17

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ClientSampleId :

BF107

Tgt Ion:164 Resp: 298099

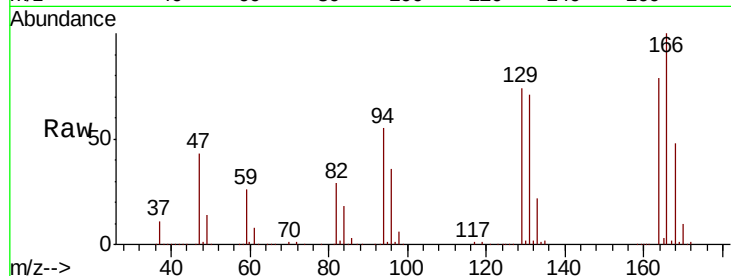
Ion Ratio Lower Upper

164 100

129 94.6 64.9 120.5

131 90.8 62.0 115.2

166 127.1 82.9 153.9

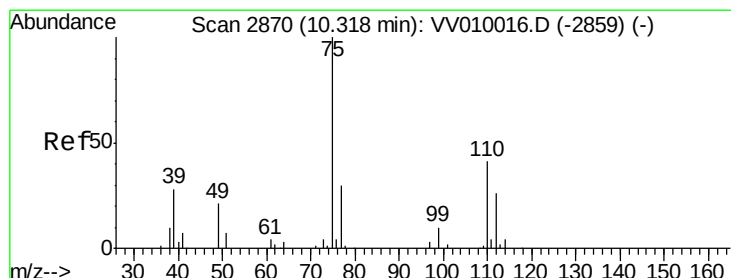
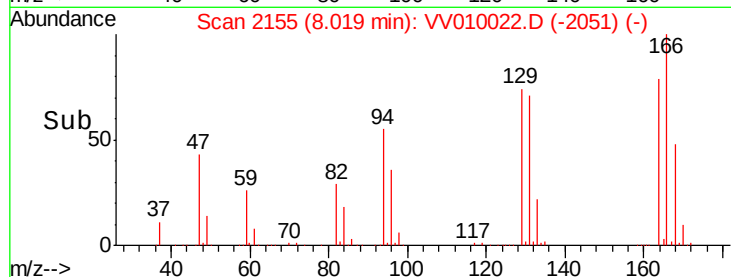
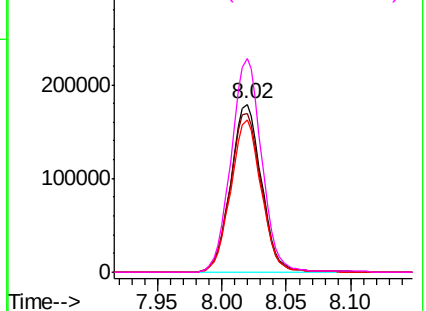


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.972 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010022.D

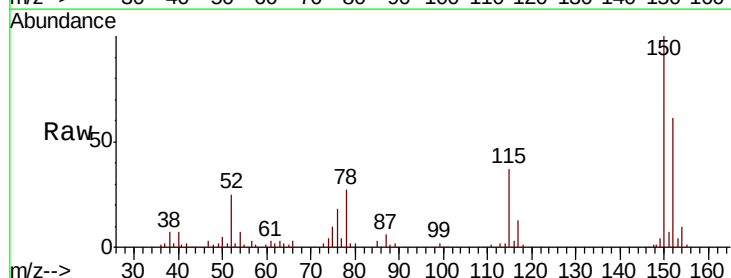
Acq: 30 Mar 2019 16:17

Tgt Ion: 75 Resp: 7735

Ion Ratio Lower Upper

75 100

77 35.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

