

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040419\
 Data File : VV010117.D
 Acq On : 04 Apr 2019 18:43
 Operator : SY/MD
 Sample : K2215-19
 Misc : 5.41G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF2P9

Quant Time: Apr 05 01:31:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:26:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	296339	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	302069	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	128052	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61846	15.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.36%
7) Chloroethane-d5	1.57	69	64383	13.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.28%
10) 1,1-Dichloroethene-d2	2.12	63	131997	13.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.76%
20) 2-Butanone-d5	3.93	46	48444	42.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.82%
24) Chloroform-d	4.40	84	144965	19.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.68%
26) 1,2-Dichloroethane-d4	5.08	65	91337	21.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.48%
29) Benzene-d6	5.10	84	310490	19.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.28%
33) 1,2-Dichloropropane-d6	6.12	67	94606	20.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.84%
37) Toluene-d8	7.36	98	286434	18.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.92%
38) trans-1,3-Dichloropropene-	7.66	79	34103	17.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.04%
39) 2-Hexanone-d5	8.13	63	37848	40.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.64%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	91364	20.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	107864	21.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.48%

Target Compounds

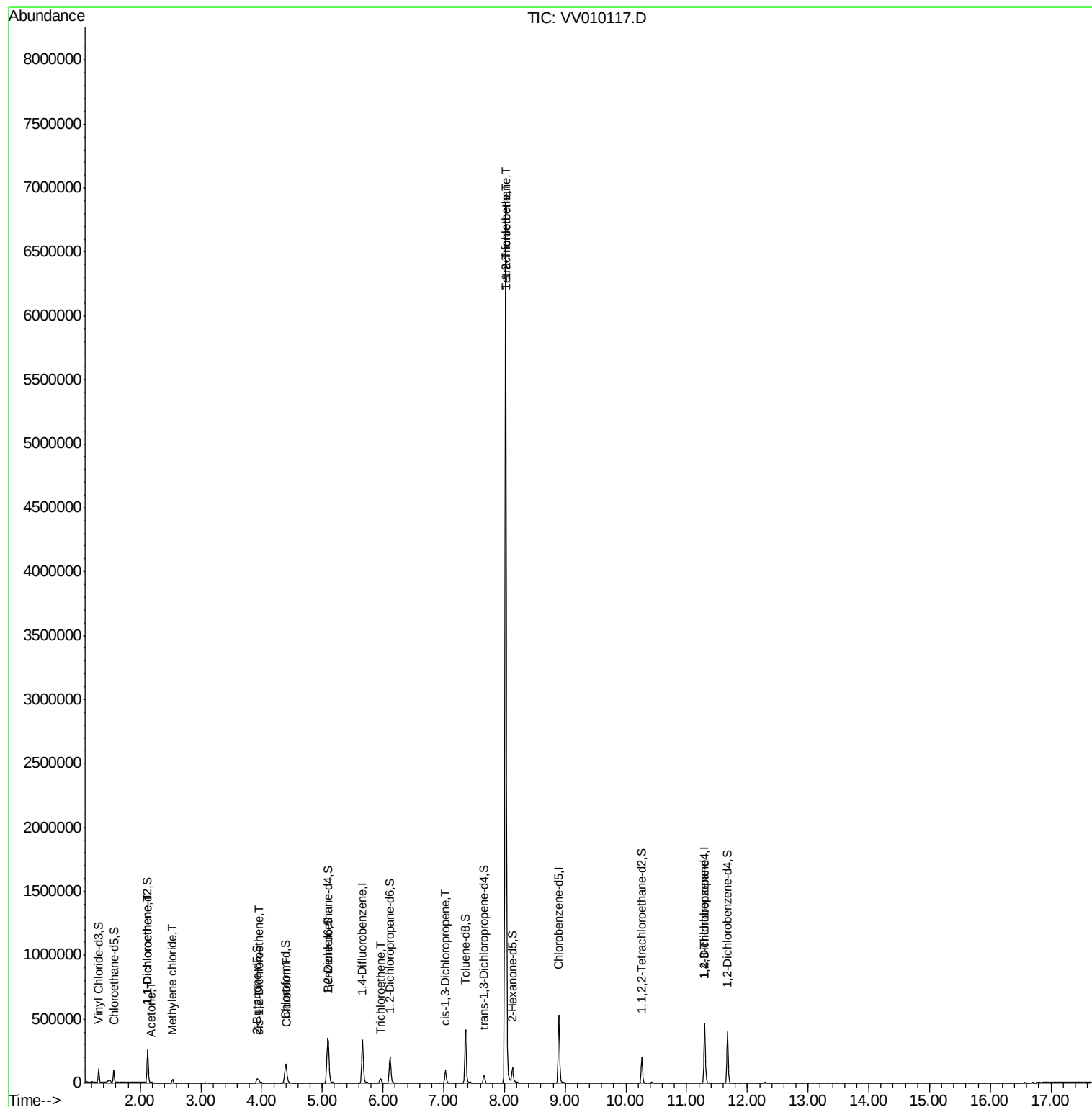
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	4276	1.055	ug/L #	1
13) Acetone	2.19	43	4329	3.879	ug/L	86
16) Methylene chloride	2.53	84	11340	2.178	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	5832	1.484	ug/L	98
25) Chloroform	4.42	83	10659	1.582	ug/L	83
35) Trichloroethene	5.96	95	10134	2.383	ug/L	95
42) cis-1,3-Dichloropropene	7.03	75	3026	0.560	ug/L #	77
46) 1,1,2-Trichloroethane	8.02	97	13098	3.958	ug/L #	13
47) Tetrachloroethene	8.02	164	1452235	408.055	ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	15519	5.092	ug/L #	86

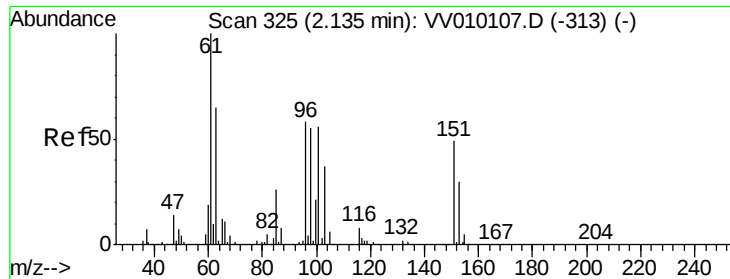
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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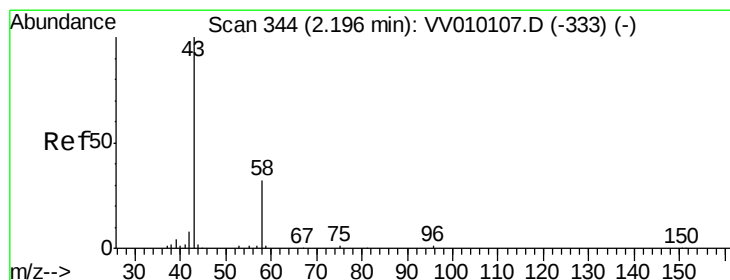
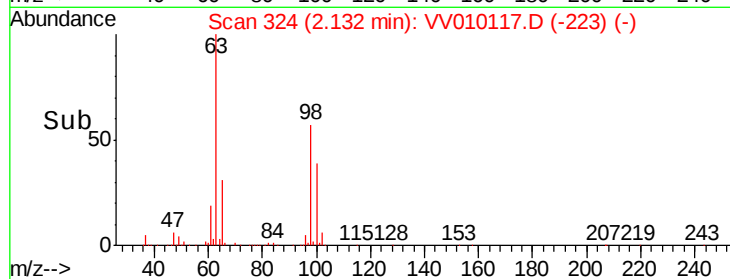
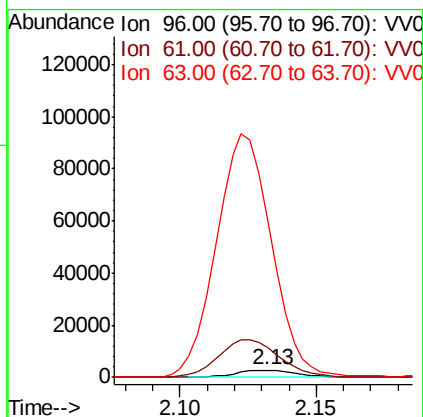
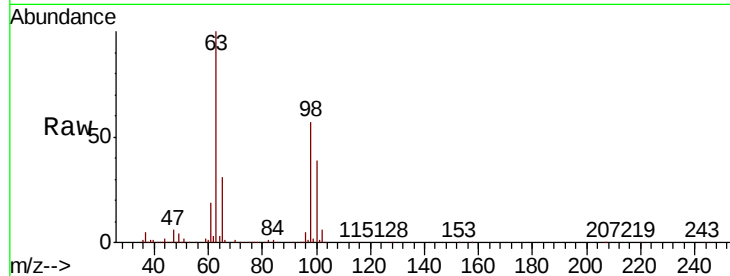




#12
 1,1-Dichloroethene
 Concen: 1.055 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VV010117.D
 Acq: 04 Apr 2019 18:43

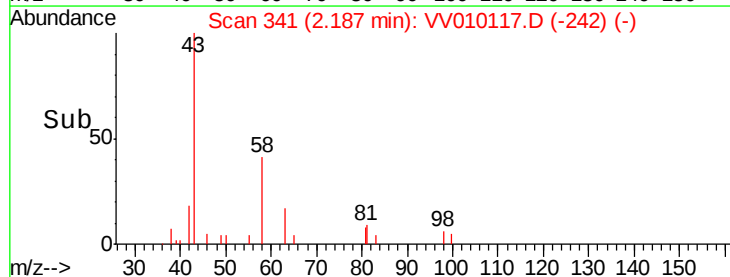
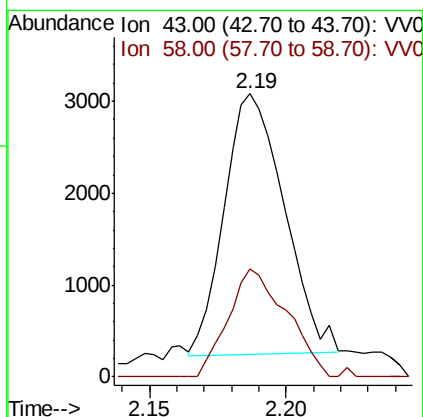
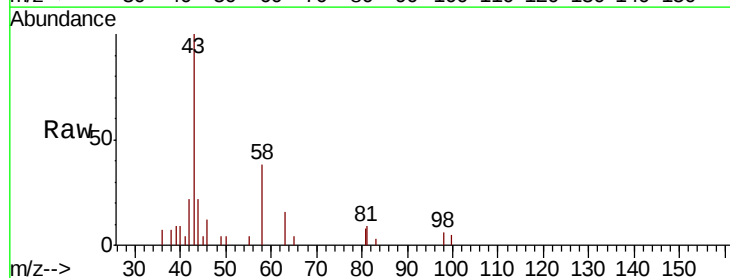
Instrument :
 MSVOA_V
 ClientSampleId :
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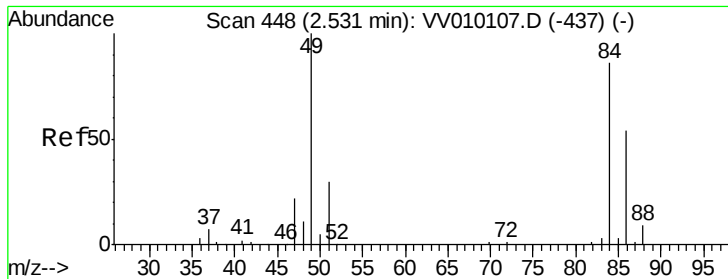
Tgt Ion: 96 Resp: 4276
 Ion Ratio Lower Upper
 96 100
 61 424.8 127.8 237.4#
 63 2221.5 112.6 209.2#



#13
 Acetone
 Concen: 3.879 ug/L
 RT: 2.19 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VV010117.D
 Acq: 04 Apr 2019 18:43

Tgt Ion: 43 Resp: 4329
 Ion Ratio Lower Upper
 43 100
 58 40.4 0.0 64.6

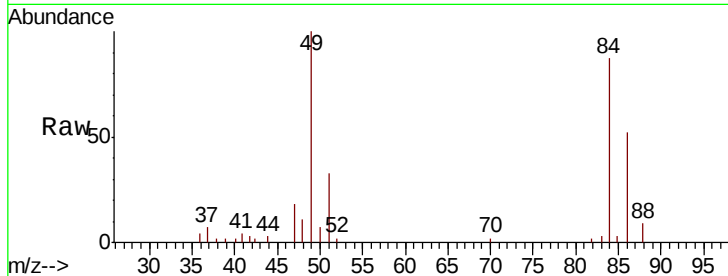




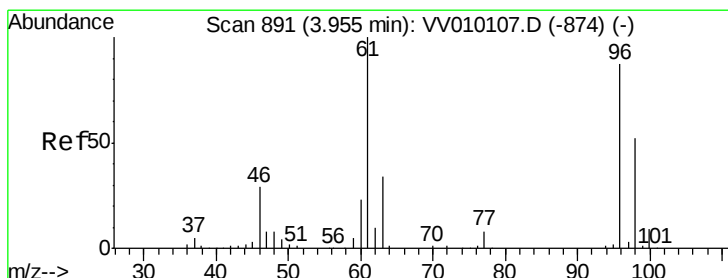
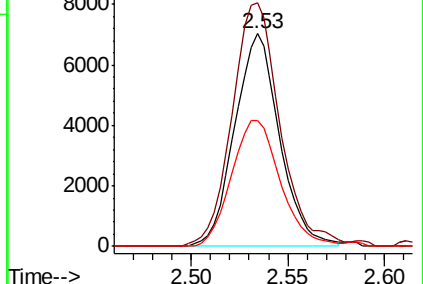
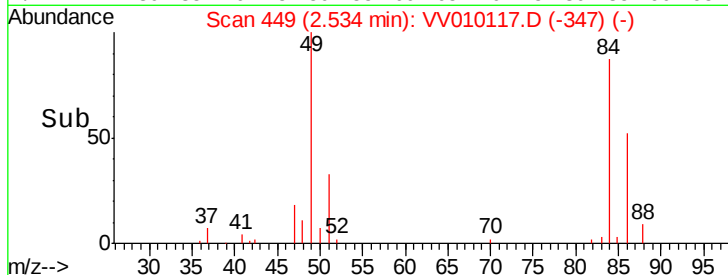
#16
Methylene chloride
Concen: 2.178 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010117.D
Acq: 04 Apr 2019 18:43

Instrument :
MSVOA_V
ClientSampled :
BF2P9

Tgt Ion: 84 Resp: 11340
Ion Ratio Lower Upper
84 100
49 114.5 84.3 156.5
86 59.5 45.4 84.2

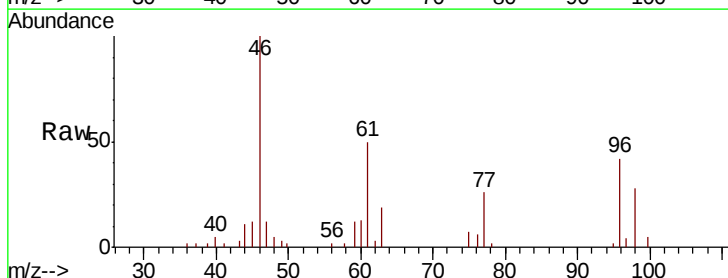


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

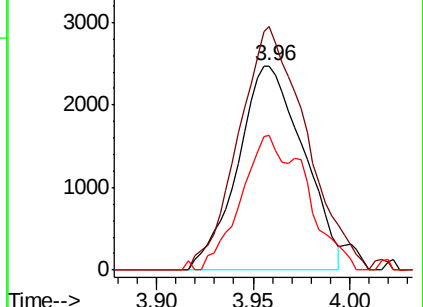
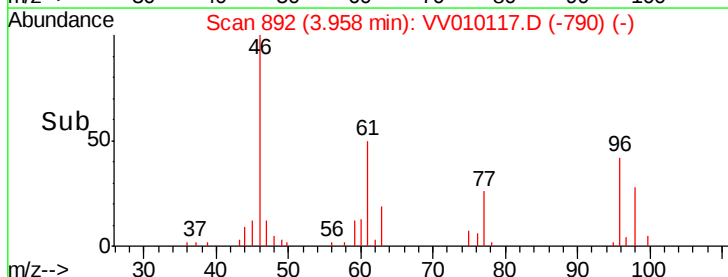


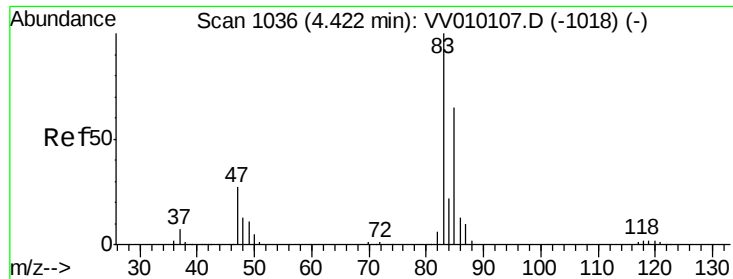
#22
cis-1,2-Dichloroethene
Concen: 1.484 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV010117.D
Acq: 04 Apr 2019 18:43

Tgt Ion: 96 Resp: 5832
Ion Ratio Lower Upper
96 100
61 119.1 82.7 153.5
98 65.7 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

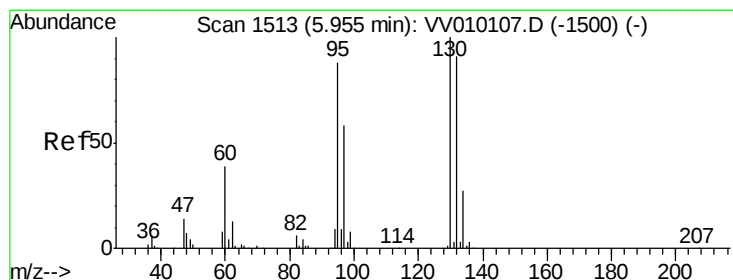
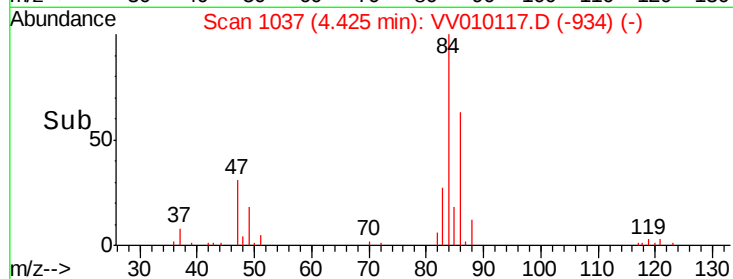
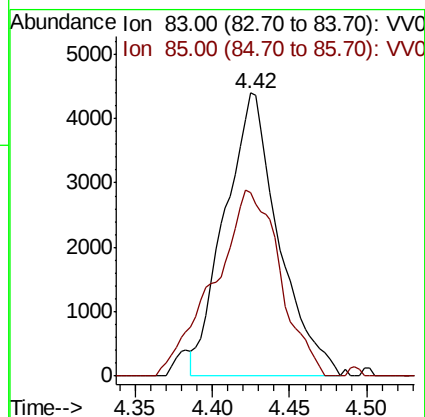
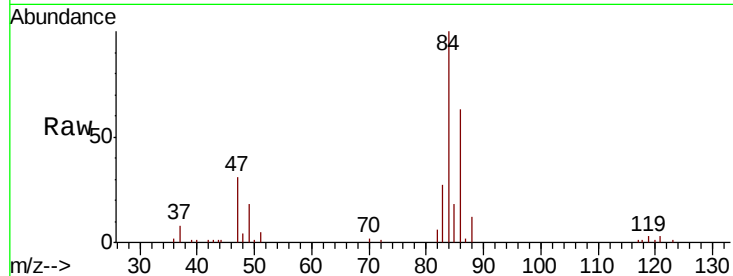




#25
Chloroform
Concen: 1.582 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010117.D
Acq: 04 Apr 2019 18:43

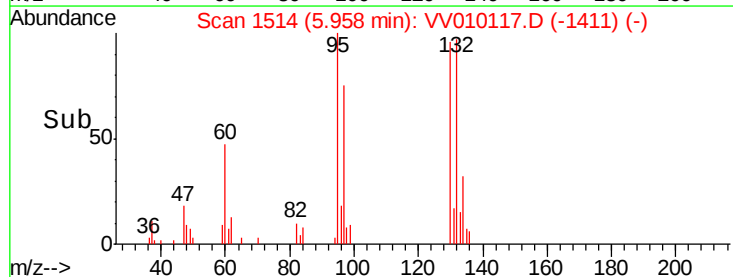
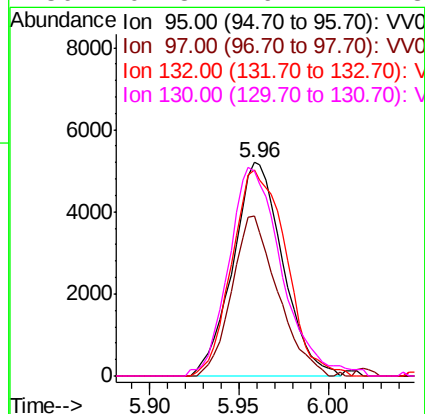
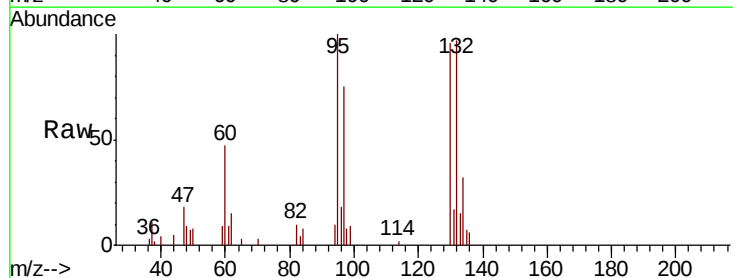
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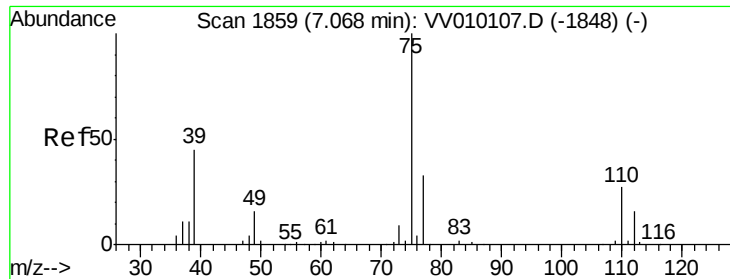
Tgt Ion: 83 Resp: 10659
Ion Ratio Lower Upper
83 100
85 80.0 46.4 86.2



#35
Trichloroethene
Concen: 2.383 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV010117.D
Acq: 04 Apr 2019 18:43

Tgt Ion: 95 Resp: 10134
Ion Ratio Lower Upper
95 100
97 68.7 45.8 85.2
132 104.5 70.6 131.0
130 101.8 76.1 141.3



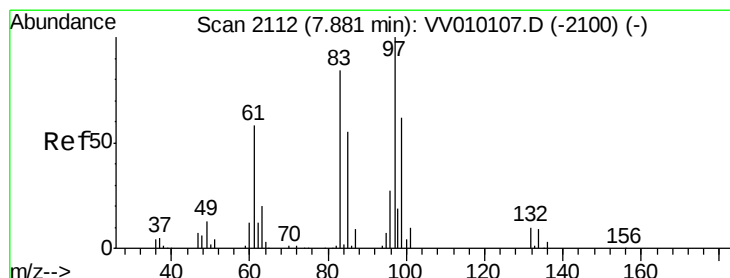
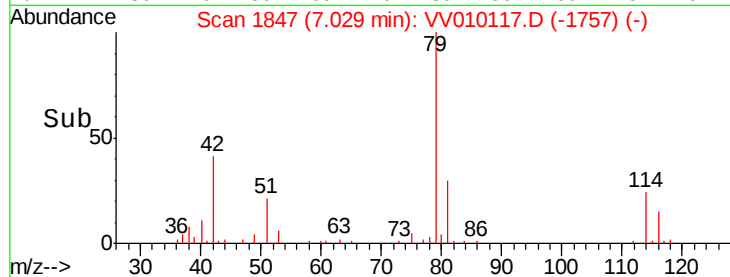
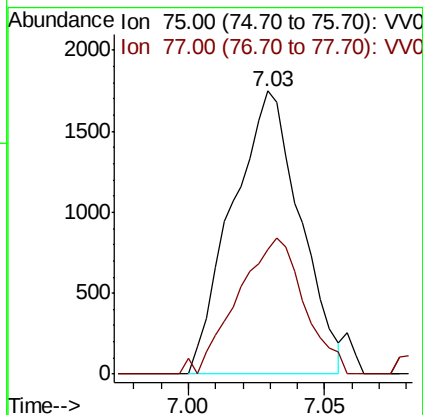
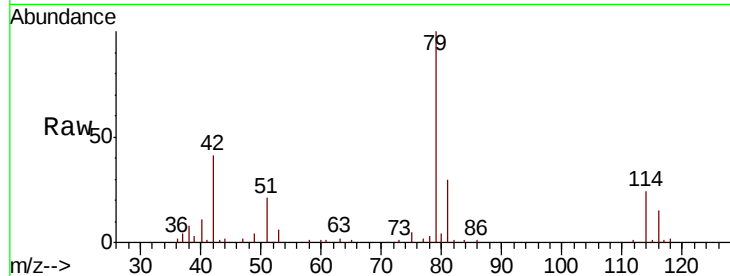


#42

cis-1,3-Dichloropropene
Concen: 0.560 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV010117.D
Acq: 04 Apr 2019 18:43

Instrument :
MSVOA_V
ClientSampleId :
BF2P9

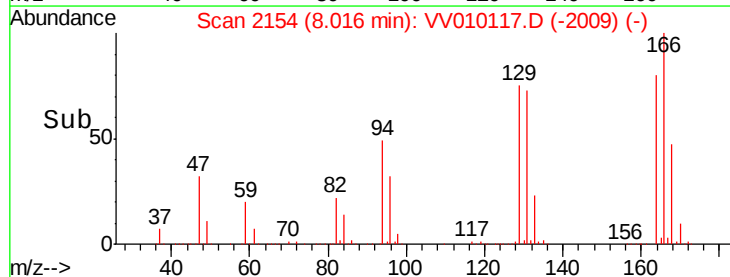
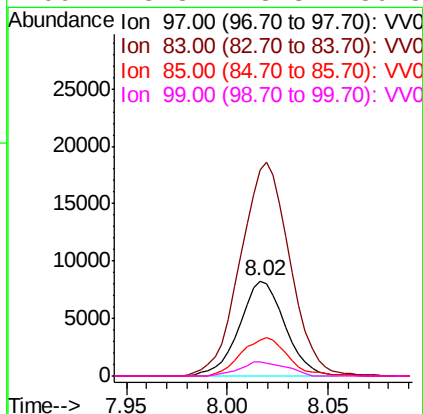
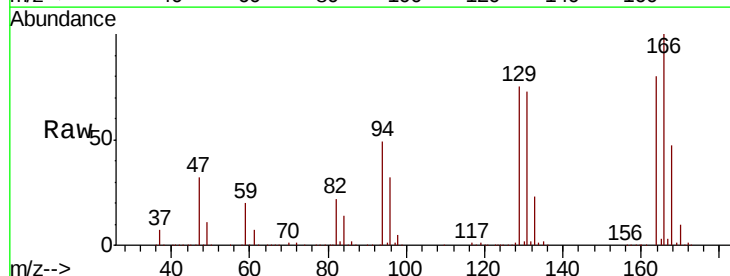
Tgt Ion: 75 Resp: 3026
Ion Ratio Lower Upper
75 100
77 44.2 22.1 41.1#

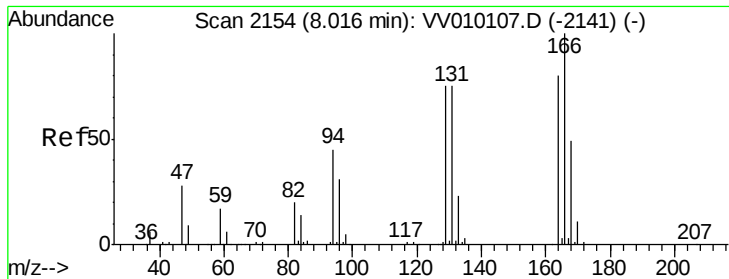


#46

1,1,2-Trichloroethane
Concen: 3.958 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.14 min
Lab File: VV010117.D
Acq: 04 Apr 2019 18:43

Tgt Ion: 97 Resp: 13098
Ion Ratio Lower Upper
97 100
83 217.2 58.5 108.7#
85 38.0 37.2 69.2
99 15.3 43.3 80.3#

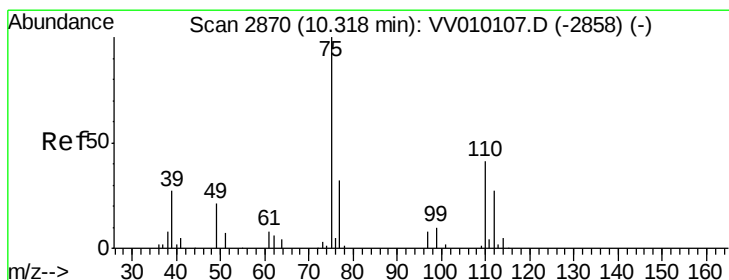
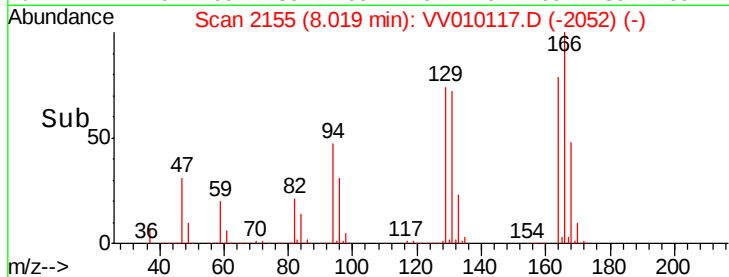
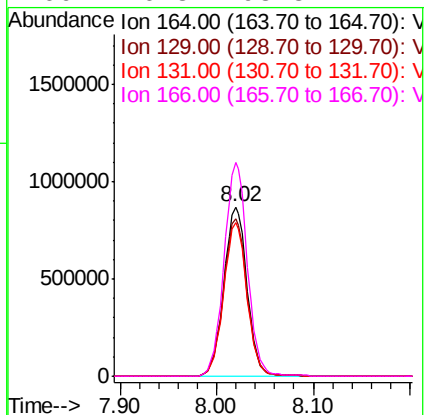
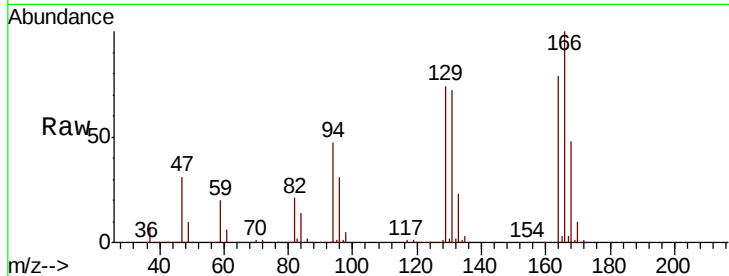




#47
 Tetrachloroethene
 Concen: 408.055 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010117.D
 Acq: 04 Apr 2019 18:43

Instrument :
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 ClientSampleId :
 BF2P9

Tgt Ion:164 Resp: 1452235
 Ion Ratio Lower Upper
 164 100
 129 93.4 67.8 125.8
 131 91.1 65.2 121.0
 166 126.3 93.8 174.2



#59
 1,2,3-Trichloropropane
 Concen: 5.092 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV010117.D
 Acq: 04 Apr 2019 18:43

Tgt Ion: 75 Resp: 15519
 Ion Ratio Lower Upper
 75 100
 77 40.1 25.8 38.8#

