

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010199.D
 Acq On : 09 Apr 2019 02:49
 Operator : SY/MD
 Sample : K2254-13
 Misc : 5.85G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFC33

Quant Time: Apr 09 07:39:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 07:35:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	281869	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	260128	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	104363	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	57929	15.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.40%
7) Chloroethane-d5	1.56	69	86521	18.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.84%
10) 1,1-Dichloroethene-d2	2.12	63	83864	8.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	35.24%#
20) 2-Butanone-d5	3.93	46	41529	38.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.36%
24) Chloroform-d	4.39	84	134821	18.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.96%
26) 1,2-Dichloroethane-d4	5.08	65	85146	21.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.72%
29) Benzene-d6	5.09	84	275980	20.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.84%
33) 1,2-Dichloropropane-d6	6.11	67	85569	21.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.96%
37) Toluene-d8	7.36	98	271013	20.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.40%
38) trans-1,3-Dichloropropene-	7.66	79	30630	18.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.00%
39) 2-Hexanone-d5	8.13	63	29248	36.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	73735	18.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	90940	22.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.48%

Target Compounds

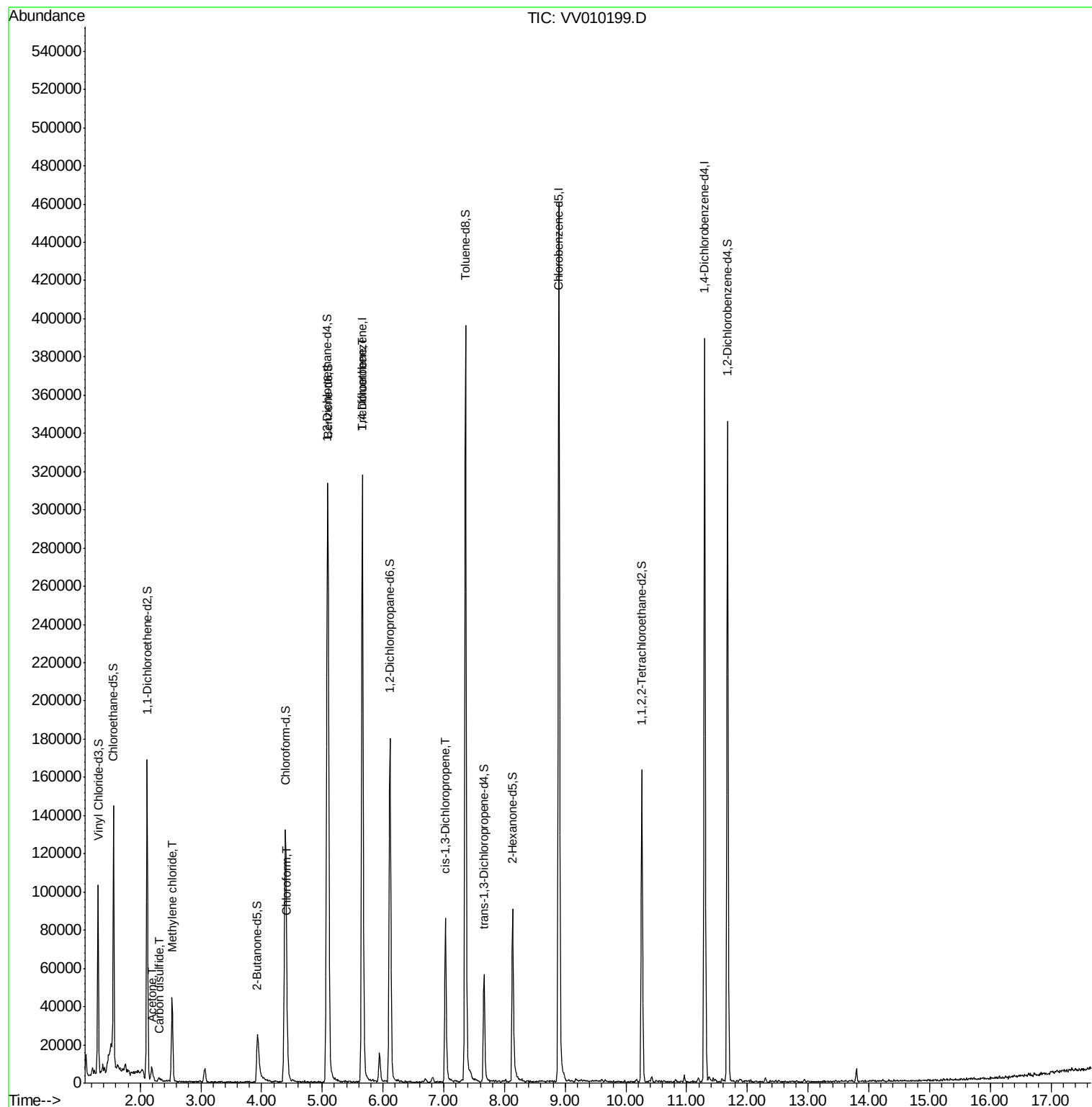
					Ovalue
13) Acetone	2.19	43	7665	7.220	ug/L 99
14) Carbon disulfide	2.31	76	2511	0.314	ug/L # 78
16) Methylene chloride	2.53	84	19197	3.876	ug/L 90
25) Chloroform	4.42	83	8153	1.272	ug/L 90
35) Trichloroethene	5.66	95	7962	2.175	ug/L # 4
42) cis-1,3-Dichloropropene	7.03	75	2592	0.557	ug/L # 63

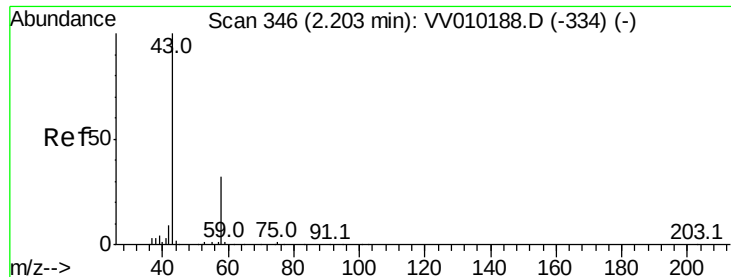
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.220 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

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ClientSampleId :

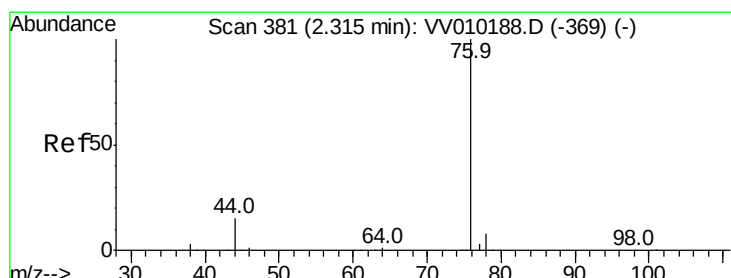
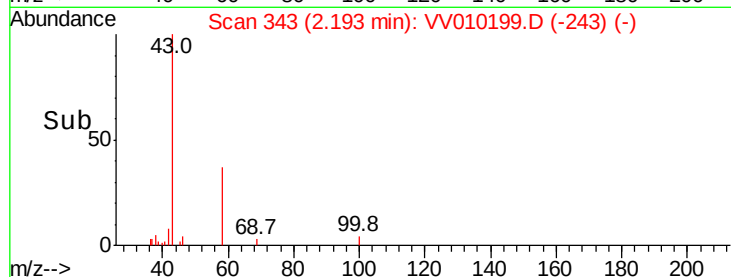
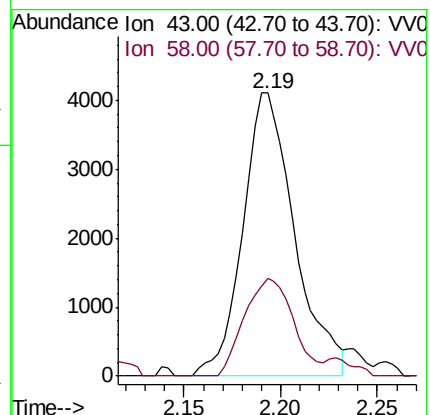
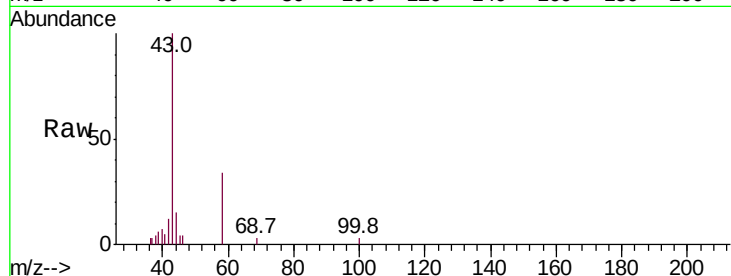
BFC33

Tot Ion: 43 Resp: 7665

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.6



#14

Carbon disulfide

Concen: 0.314 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV010199.D

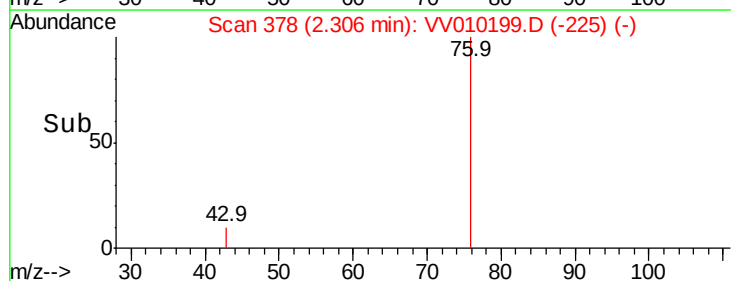
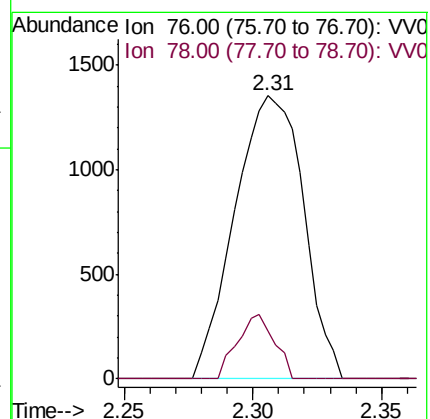
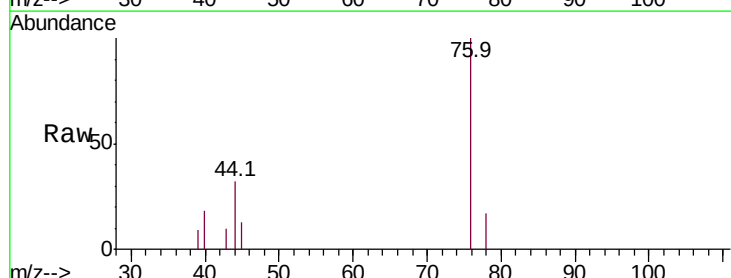
Acq: 09 Apr 2019 02:49

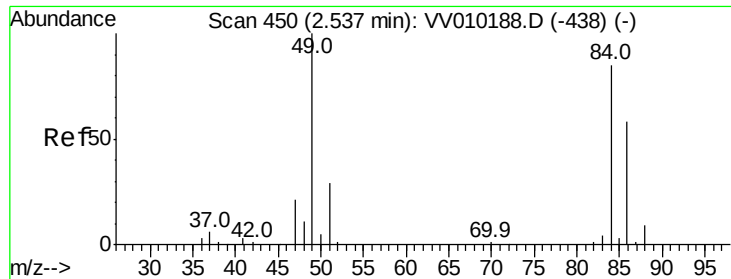
Tgt Ion: 76 Resp: 2511

Ion Ratio Lower Upper

76 100

78 16.8 7.1 10.7#

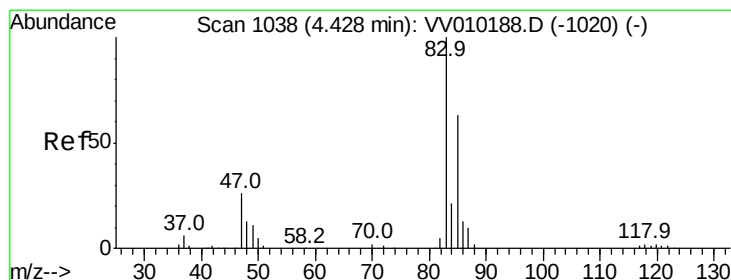
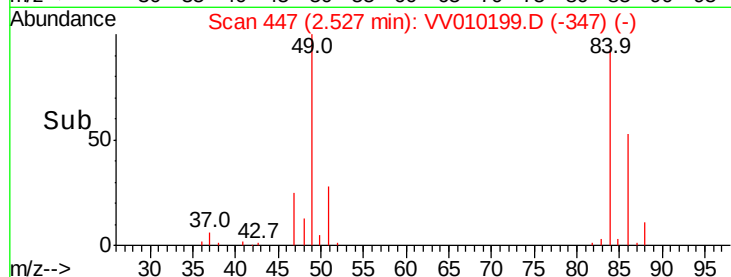
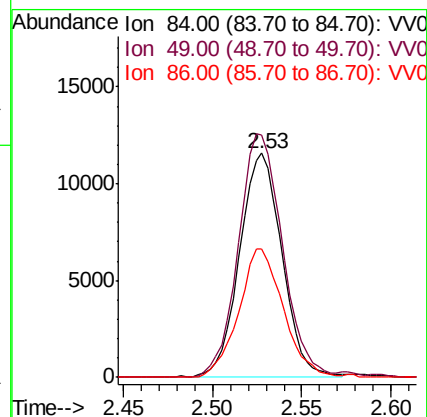
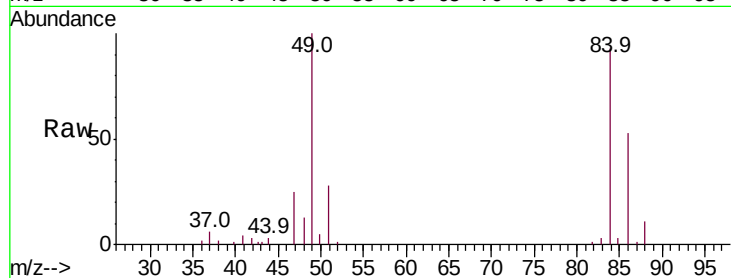




#16
Methvlene chloride
Concen: 3.876 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV010199.D
Acq: 09 Apr 2019 02:49

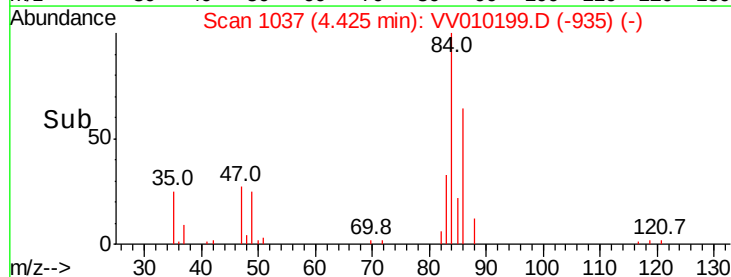
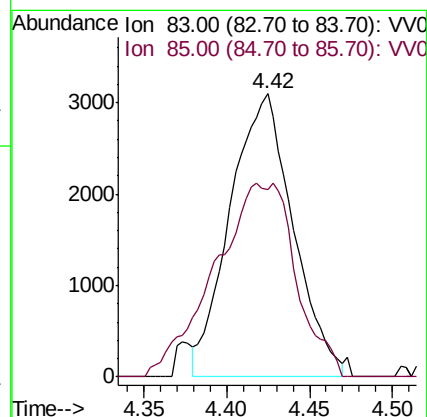
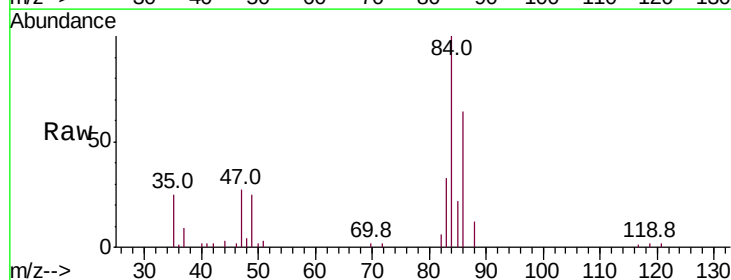
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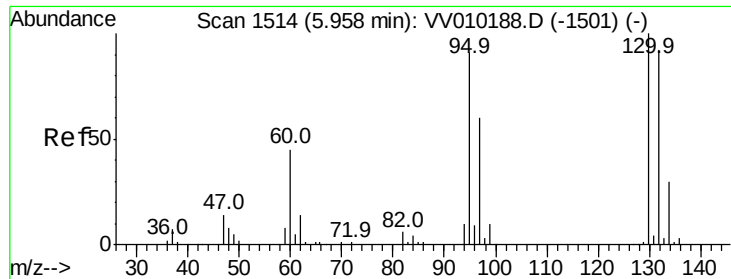
Tot Ion: 84 Resp: 19197
Ion Ratio Lower Upper
84 100
49 108.1 84.3 156.5
86 57.4 45.4 84.2



#25
Chloroform
Concen: 1.272 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010199.D
Acq: 09 Apr 2019 02:49

Tgt Ion: 83 Resp: 8153
Ion Ratio Lower Upper
83 100
85 58.7 46.4 86.2

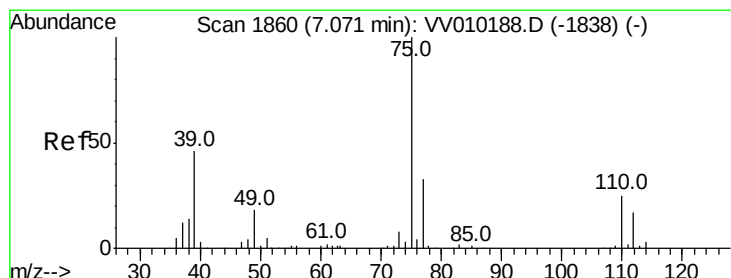
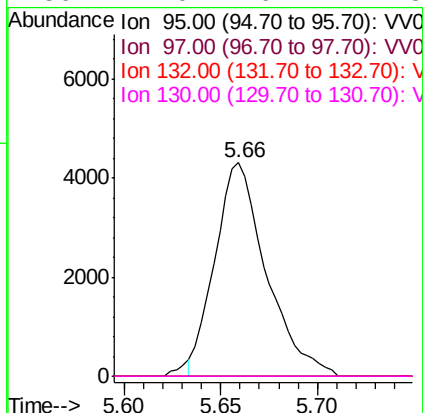
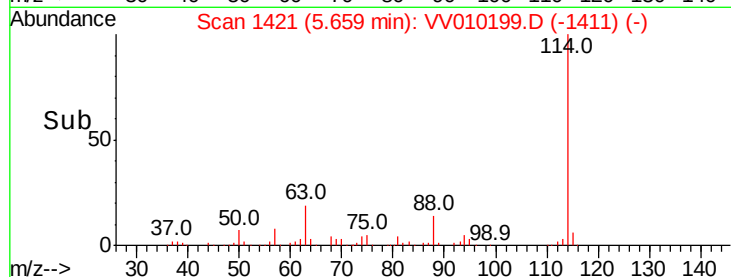
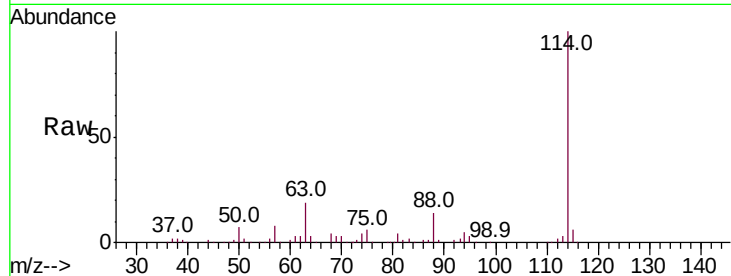




#35
 Trichloroethene
 Concen: 2.175 ug/L
 RT: 5.66 min Scan# 1421
 Delta R.T. -0.30 min
 Lab File: VV010199.D
 Acq: 09 Apr 2019 02:49

Instrument :
 MSVOA_V
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 BFC33

Tot Ion: 95 Resp: 7962
 Ion Ratio Lower Upper
 95 100
 97 1.3 45.8 85.2#
 132 2.0 70.6 131.0#
 130 1.0 76.1 141.3#



#42
 cis-1,3-Dichloropropene
 Concen: 0.557 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010199.D
 Acq: 09 Apr 2019 02:49

Tgt Ion: 75 Resp: 2592
 Ion Ratio Lower Upper
 75 100
 77 52.0 22.1 41.1#

