

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010095.D
 Acq On : 03 Apr 2019 16:18
 Operator : SY/MD
 Sample : K2215-09
 Misc : 5.44G/10mL/MSVOA_V/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF2N0

Quant Time: Apr 04 06:05:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	262778	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	263596	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	115207	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59710	16.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.88%
7) Chloroethane-d5	1.57	69	70644	16.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.68%
10) 1,1-Dichloroethene-d2	2.13	63	129287	14.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.28%
20) 2-Butanone-d5	3.95	46	31056	31.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.04%
24) Chloroform-d	4.40	84	157013	23.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	5.08	65	93612	25.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.08%
29) Benzene-d6	5.10	84	313500	22.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.72%
33) 1,2-Dichloropropane-d6	6.12	67	96804	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.00%
37) Toluene-d8	7.36	98	289830	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.04%
38) trans-1,3-Dichloropropene-	7.67	79	30542	17.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.84%
39) 2-Hexanone-d5	8.14	63	24957	30.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.70%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	83621	21.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	108080	24.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.32%

Target Compounds

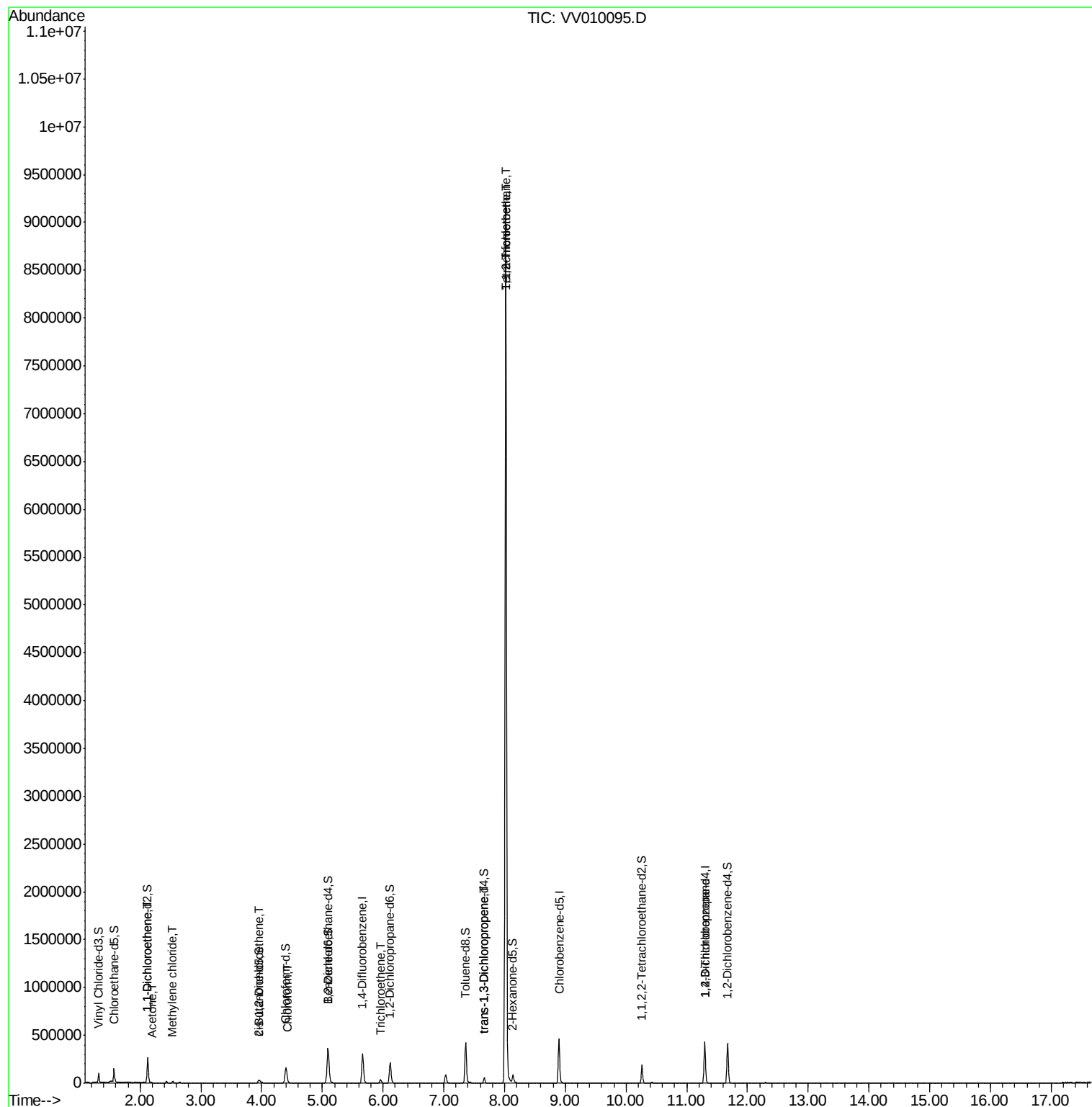
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	8293	2.308	ug/L #	1
13) Acetone	2.21	43	3435	3.471	ug/L	86
16) Methylene chloride	2.54	84	6801	1.473	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	8062	2.314	ug/L	93
25) Chloroform	4.43	83	3090	0.517	ug/L #	17
35) Trichloroethene	5.96	95	12156	3.276	ug/L	95
45) trans-1,3-Dichloropropene	7.67	75	1880	0.469	ug/L	85
46) 1,1,2-Trichloroethane	8.02	97	17095	5.919	ug/L #	11
47) Tetrachloroethene	8.02	164	1904243	613.157	ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	14082	5.294	ug/L	90

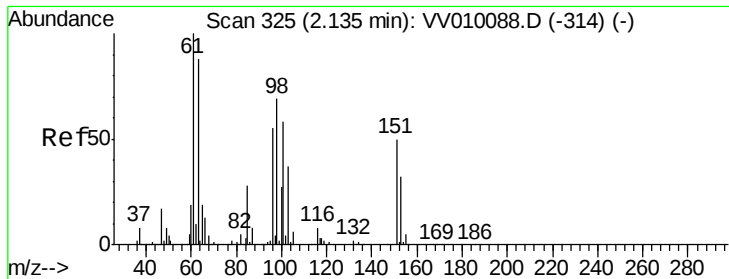
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 04 06:01:11 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.308 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV010095.D

Acq: 03 Apr 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

BF2N0

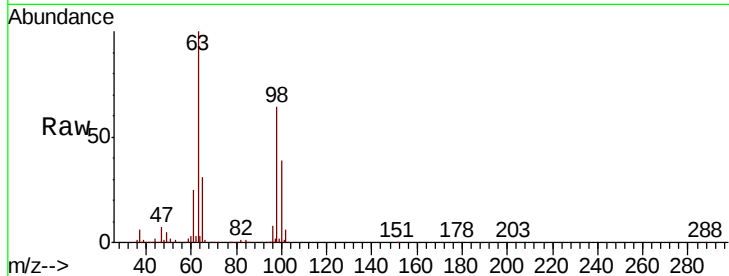
Tgt Ion: 96 Resp: 8293

Ion Ratio Lower Upper

96 100

61 301.4 127.8 237.4#

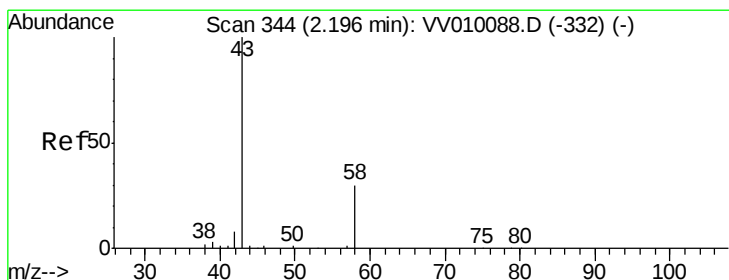
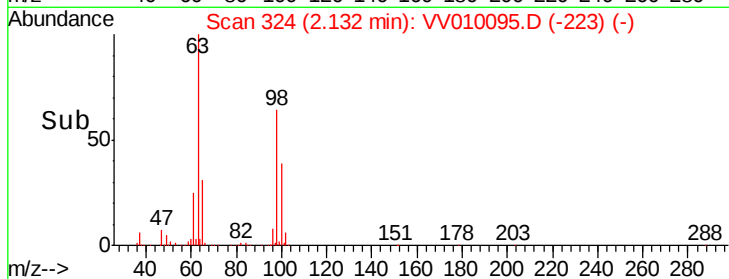
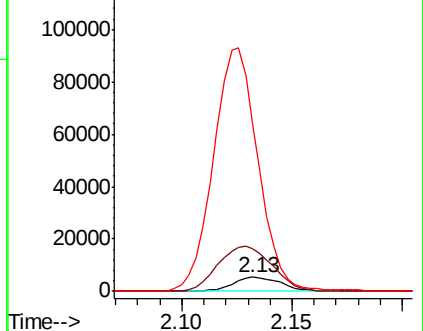
63 1197.2 112.6 209.2#



Abundance Ion 96.00 (95.70 to 96.70): VV010088.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV010088.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV010088.D (-314) (-)



#13

Acetone

Concen: 3.471 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV010095.D

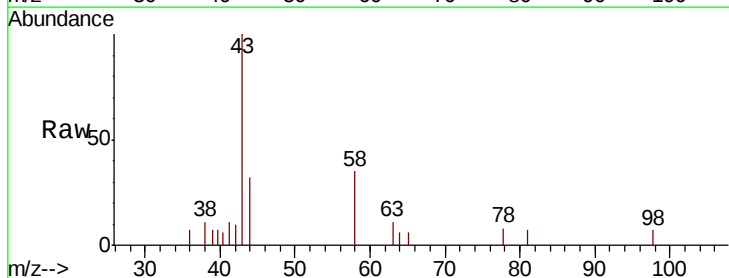
Acq: 03 Apr 2019 16:18

Tgt Ion: 43 Resp: 3435

Ion Ratio Lower Upper

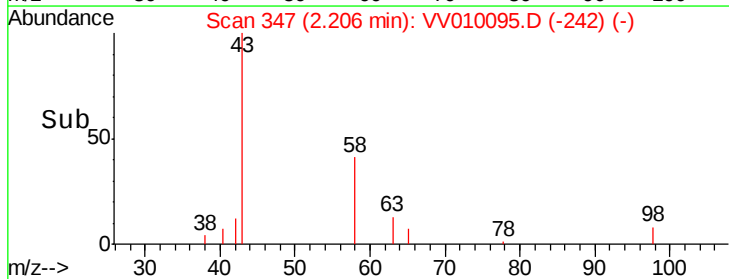
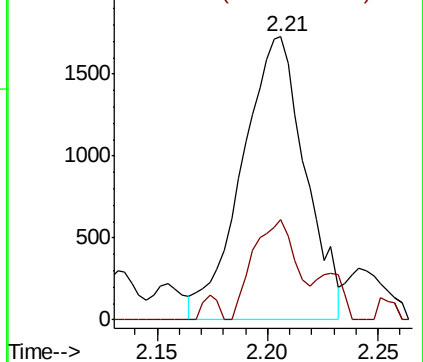
43 100

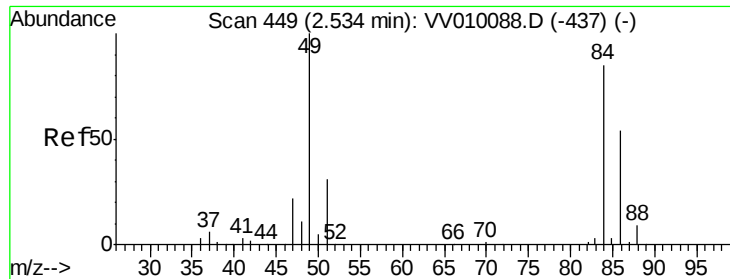
58 24.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010088.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV010088.D (-332) (-)

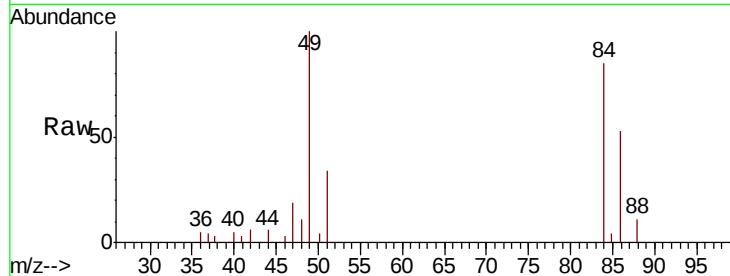




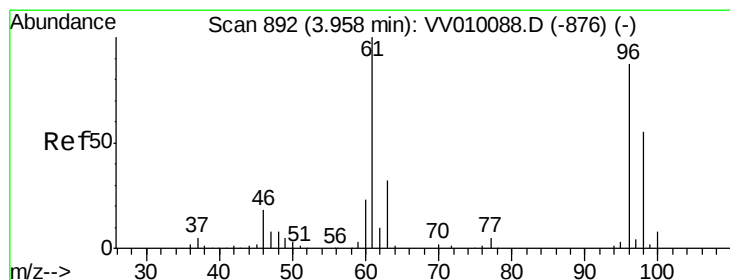
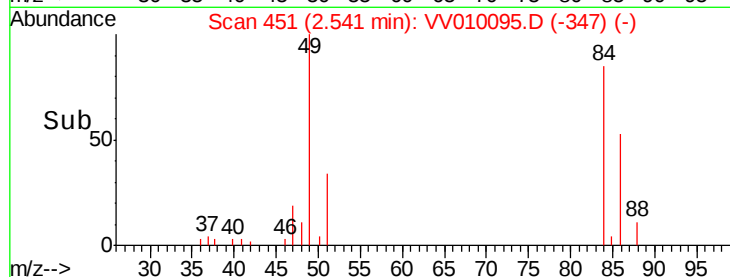
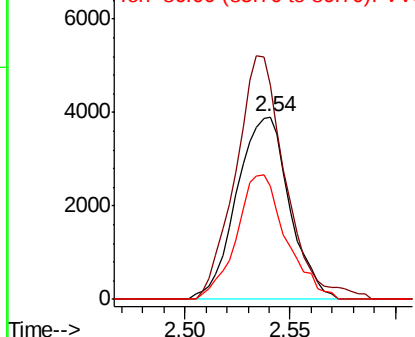
#16
Methylene chloride
Concen: 1.473 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV010095.D
Acq: 03 Apr 2019 16:18

Instrument :
MSVOA_V
ClientSampleId :
BF2N0

Tgt Ion: 84 Resp: 6801
Ion Ratio Lower Upper
84 100
49 117.6 84.3 156.5
86 61.8 45.4 84.2

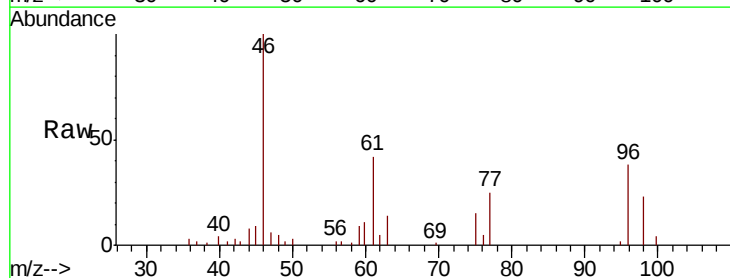


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

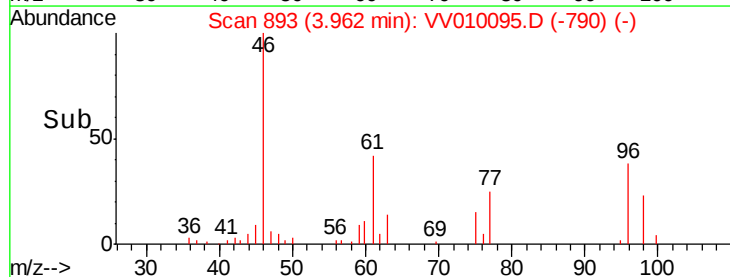
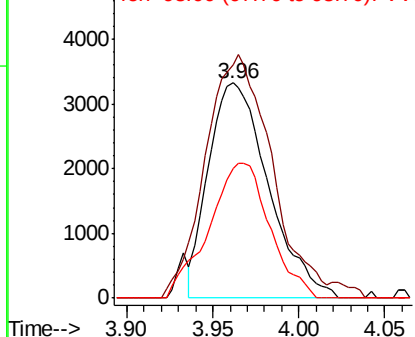


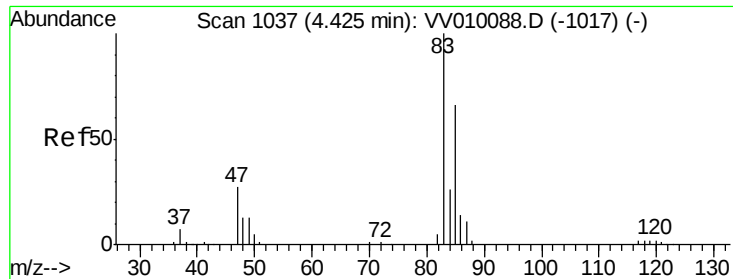
#22
cis-1,2-Dichloroethene
Concen: 2.314 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV010095.D
Acq: 03 Apr 2019 16:18

Tgt Ion: 96 Resp: 8062
Ion Ratio Lower Upper
96 100
61 108.7 82.7 153.5
98 60.1 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

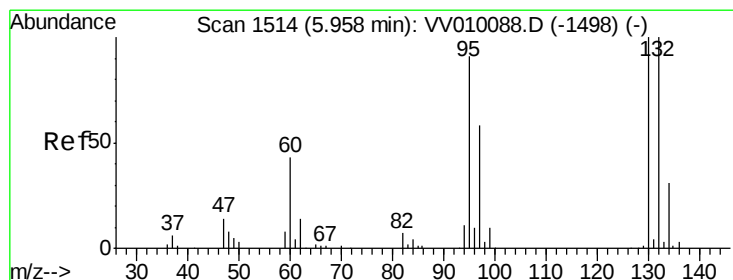
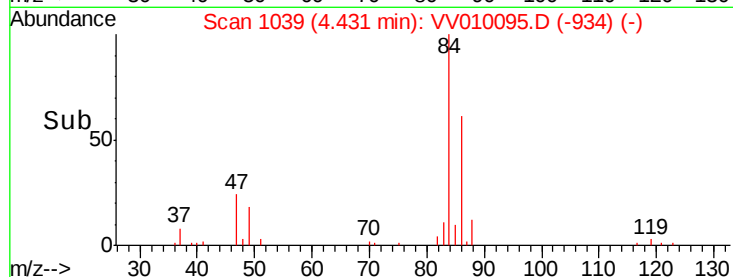
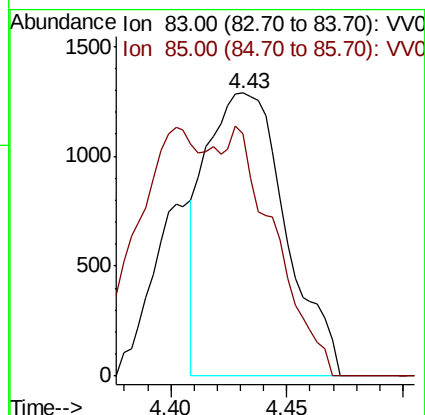
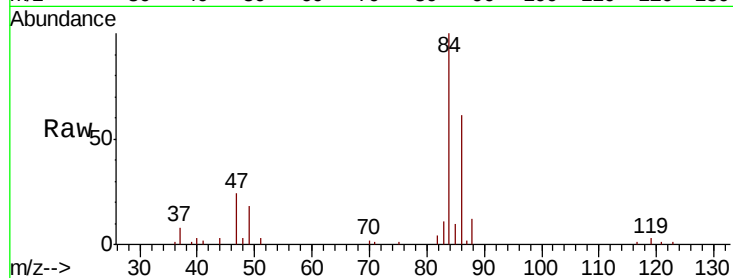




#25
Chloroform
Concen: 0.517 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV010095.D
Acq: 03 Apr 2019 16:18

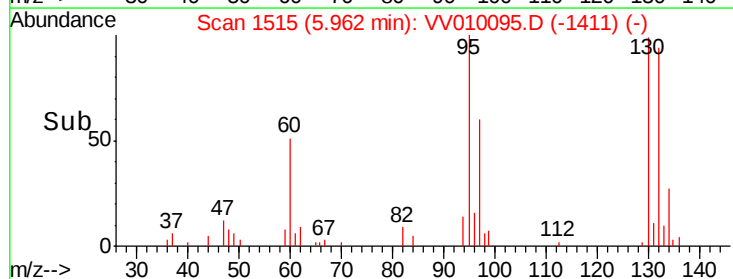
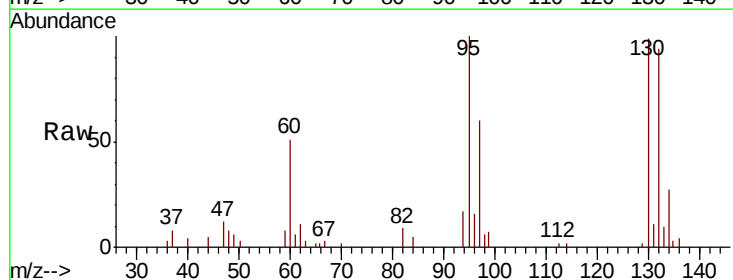
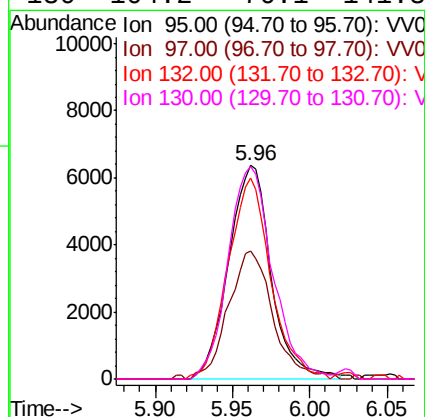
Instrument :
MSVOA_V
ClientSampled :
BF2N0

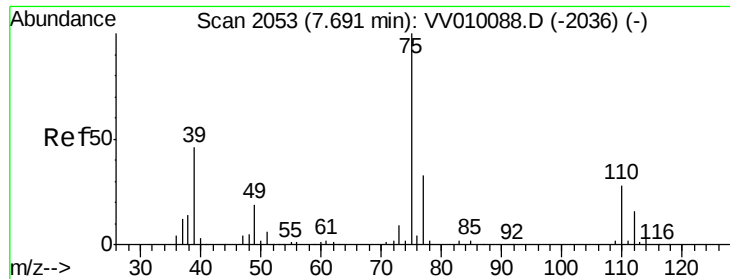
Tgt Ion: 83 Resp: 3090
Ion Ratio Lower Upper
83 100
85 0.0 46.4 86.2#



#35
Trichloroethene
Concen: 3.276 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV010095.D
Acq: 03 Apr 2019 16:18

Tgt Ion: 95 Resp: 12156
Ion Ratio Lower Upper
95 100
97 62.0 45.8 85.2
132 94.8 70.6 131.0
130 104.2 76.1 141.3





#45

trans-1,3-Dichloropropene

Concen: 0.469 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010095.D

Acq: 03 Apr 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

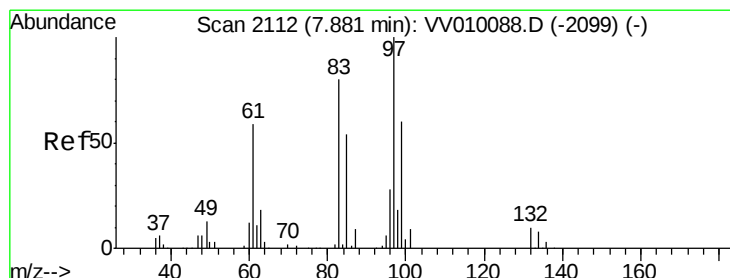
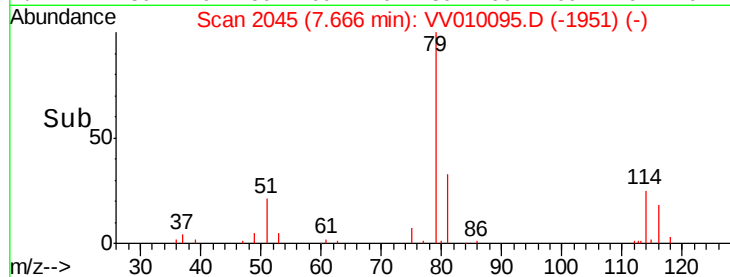
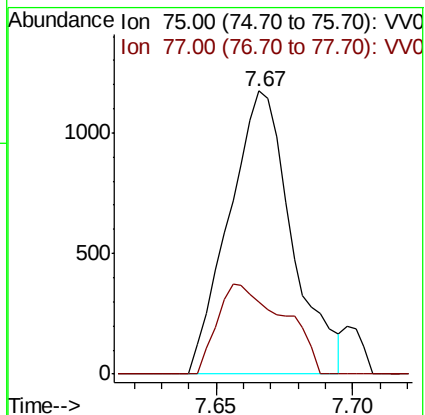
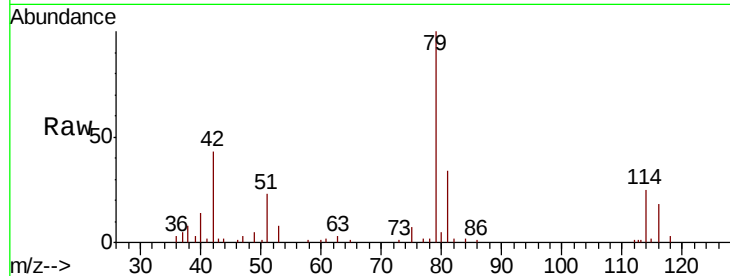
BF2N0

Tgt Ion: 75 Resp: 1880

Ion Ratio Lower Upper

75 100

77 25.3 23.5 43.7



#46

1,1,2-Trichloroethane

Concen: 5.919 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV010095.D

Acq: 03 Apr 2019 16:18

Tgt Ion: 97 Resp: 17095

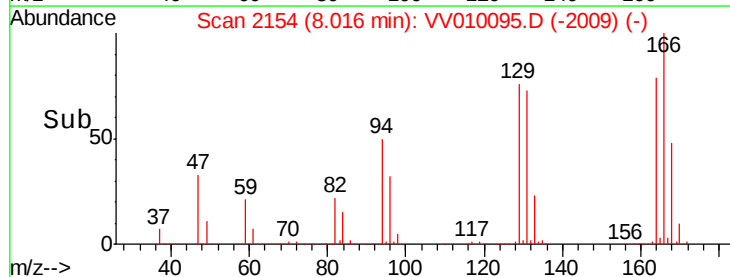
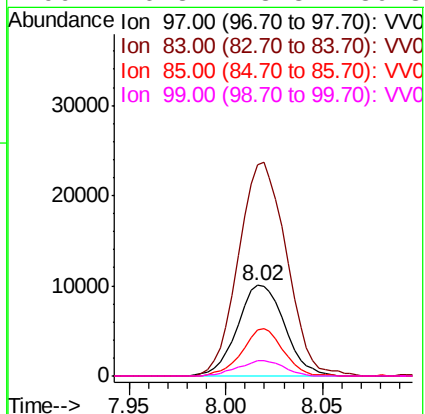
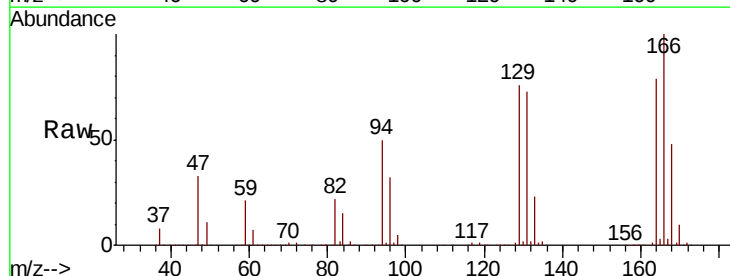
Ion Ratio Lower Upper

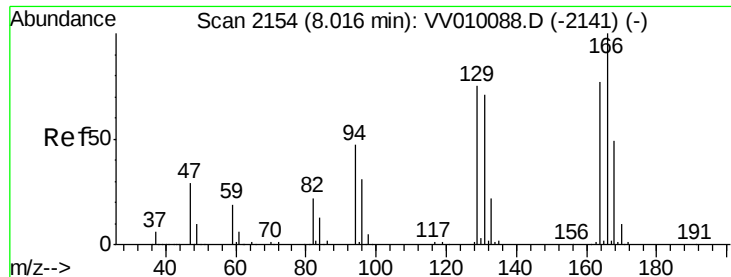
97 100

83 233.0 58.5 108.7#

85 50.8 37.2 69.2

99 16.3 43.3 80.3#





#47

Tetrachloroethene

Concen: 613.157 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010095.D

Acq: 03 Apr 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

BF2N0

Tgt Ion:164 Resp: 1904243

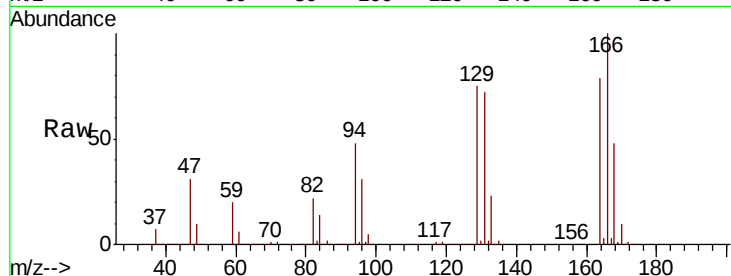
Ion Ratio Lower Upper

164 100

129 95.0 67.8 125.8

131 91.3 65.2 121.0

166 126.6 93.8 174.2

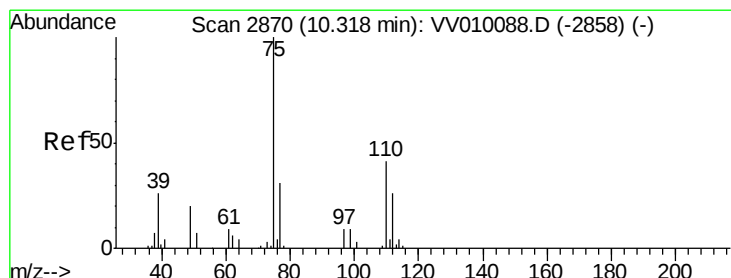
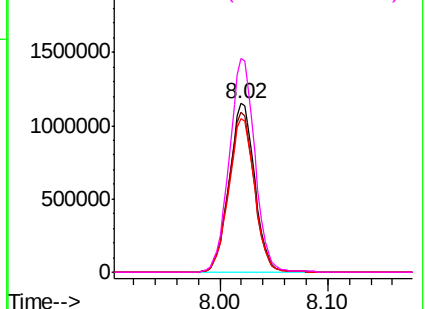
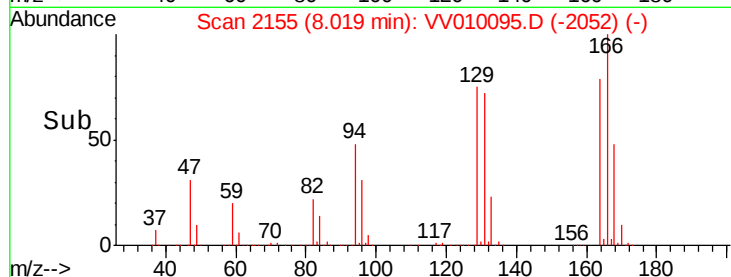


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.294 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010095.D

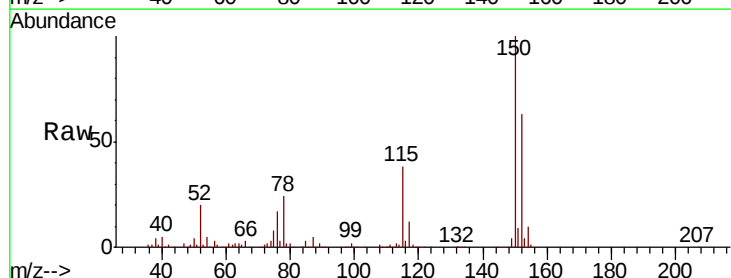
Acq: 03 Apr 2019 16:18

Tgt Ion: 75 Resp: 14082

Ion Ratio Lower Upper

75 100

77 37.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

