

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010031.D
 Acq On : 30 Mar 2019 20:15
 Operator : SY/MD
 Sample : K2166-17
 Misc : 5.97G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0N4

Quant Time: Mar 30 23:36:31 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	128344	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	136507	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58143	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58721	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.20%
7) Chloroethane-d5	1.56	69	71682	25.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.92%
10) 1,1-Dichloroethene-d2	2.12	63	129100	18.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.48%
20) 2-Butanone-d5	3.93	46	36374	74.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	149.90%#
24) Chloroform-d	4.40	84	76470	23.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.56%
26) 1,2-Dichloroethane-d4	5.08	65	59066	30.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.08%
29) Benzene-d6	5.10	84	171254	23.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.56%
33) 1,2-Dichloropropane-d6	6.12	67	55498	26.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.84%
37) Toluene-d8	7.36	98	153456	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
38) trans-1,3-Dichloropropene-	7.66	79	16115	18.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.12%
39) 2-Hexanone-d5	8.13	63	26401	67.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59755	28.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.12%
61) 1,2-Dichlorobenzene-d4	11.68	152	57265	25.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.48%

Target Compounds

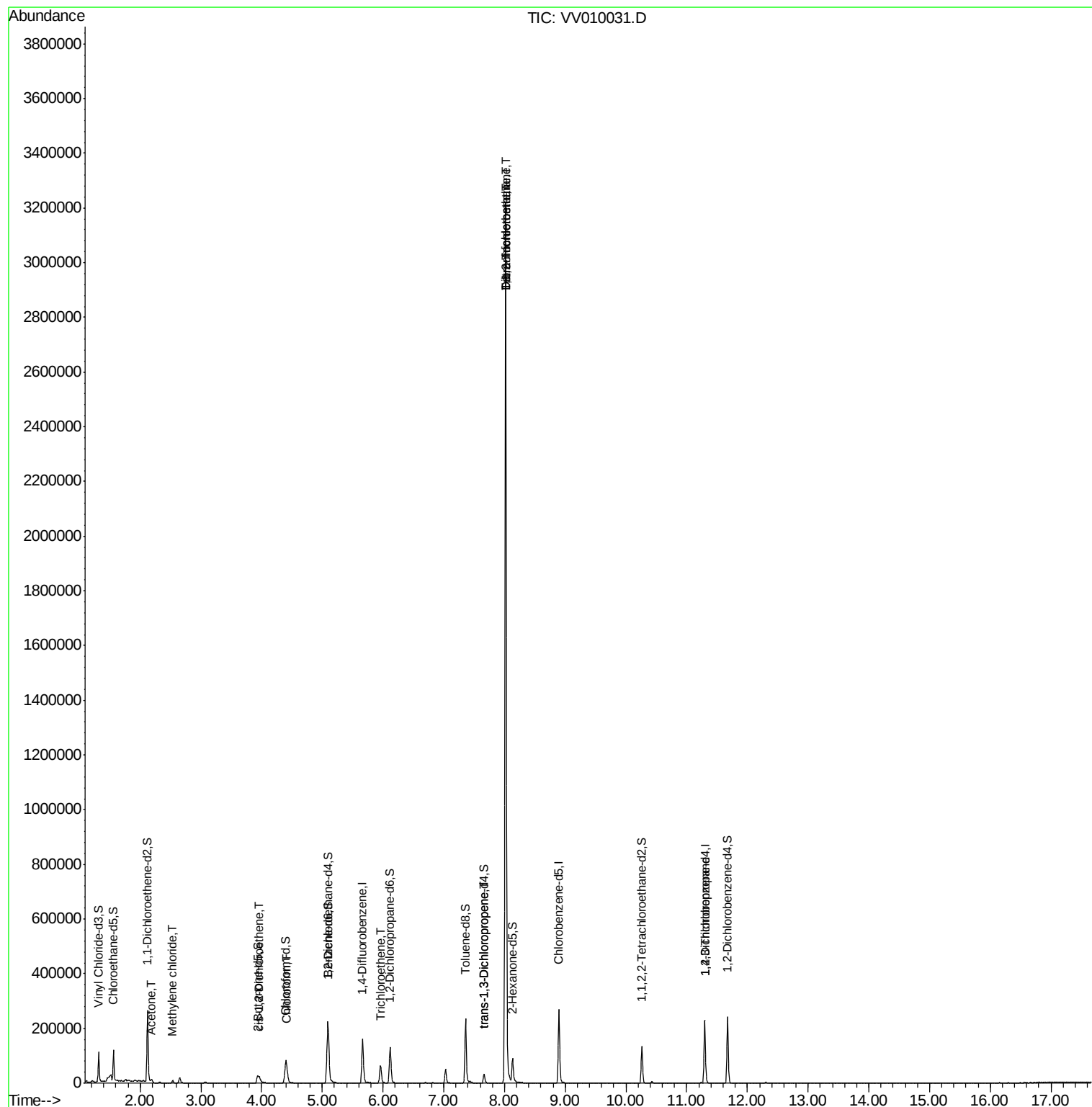
					Qvalue
13) Acetone	2.19	43	4174	5.680	ug/L 100
16) Methylene chloride	2.53	84	3193	1.511	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	3117	1.679	ug/L 86
25) Chloroform	4.43	83	13555	3.986	ug/L 93
35) Trichloroethene	5.96	95	20215	10.224	ug/L 98
45) trans-1,3-Dichloropropene	7.67	75	1227	0.549	ug/L # 62
46) 1,1,2-Trichloroethane	8.02	97	5919	3.821	ug/L # 1
47) Tetrachloroethene	8.02	164	603328	386.679	ug/L 97
50) Dibromochloromethane	8.02	129	574542	357.669	ug/L # 8
59) 1,2,3-Trichloropropane	11.30	75	8824	5.855	ug/L 93

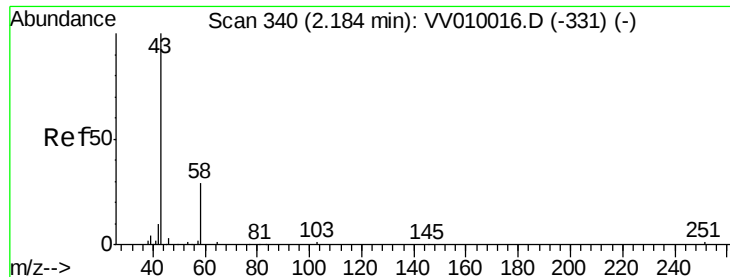
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 30 23:31:11 2019
Response via : Initial Calibration





#13

Acetone

Concen: 5.680 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV010031.D

Acq: 30 Mar 2019 20:15

Instrument :

MSVOA_V

ClientSampleId :

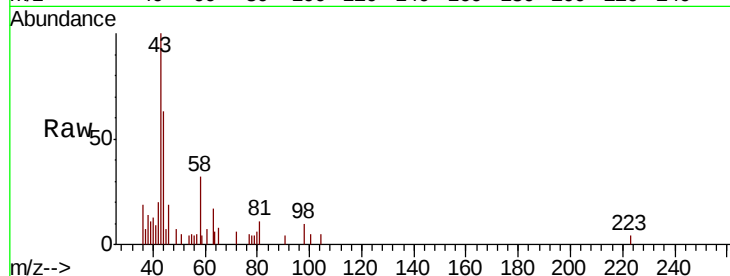
BF0N4

Tgt Ion: 43 Resp: 4174

Ion Ratio Lower Upper

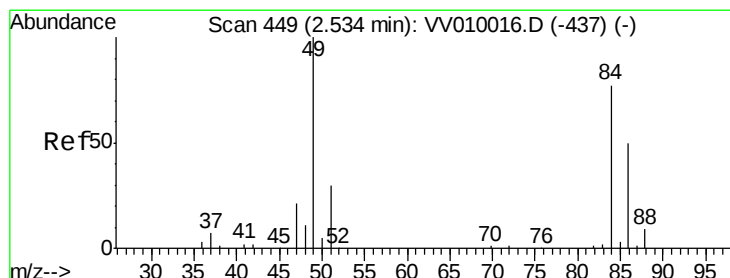
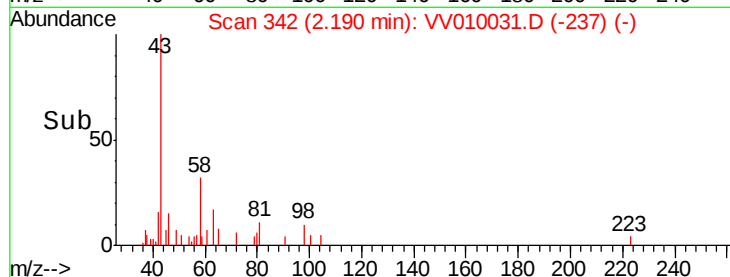
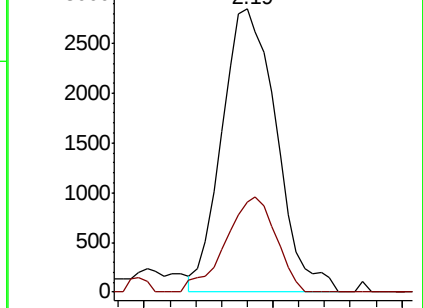
43 100

58 29.6 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV010016.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010016.D (-331) (-)



#16

Methylene chloride

Concen: 1.511 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010031.D

Acq: 30 Mar 2019 20:15

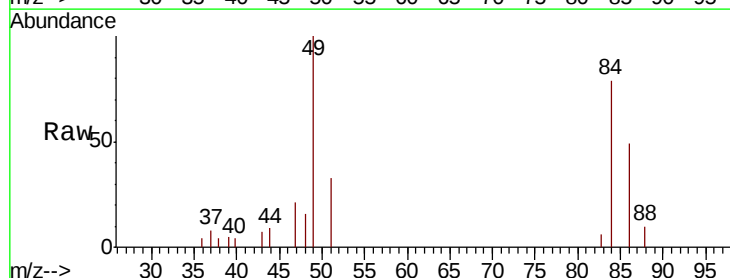
Tgt Ion: 84 Resp: 3193

Ion Ratio Lower Upper

84 100

49 125.9 90.4 167.8

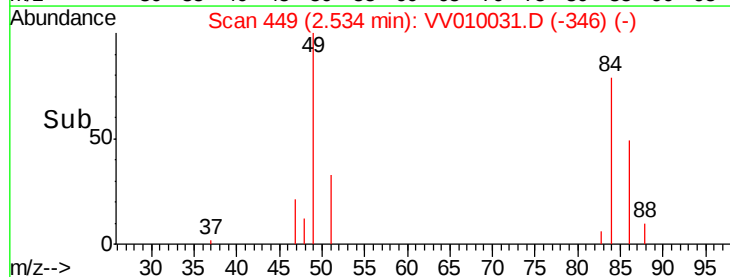
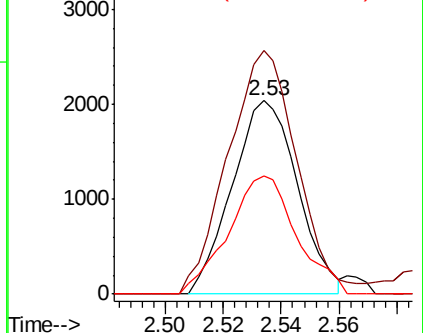
86 61.2 44.0 81.6

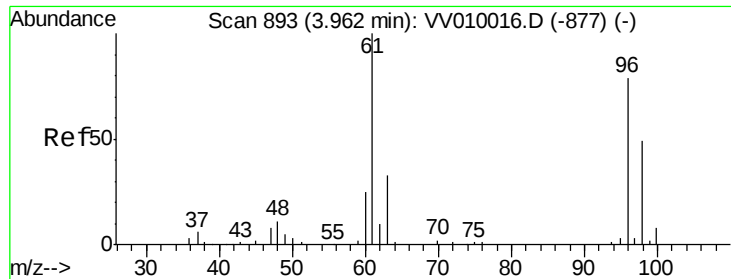


Abundance Ion 84.00 (83.70 to 84.70): VV010016.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010016.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010016.D (-437) (-)



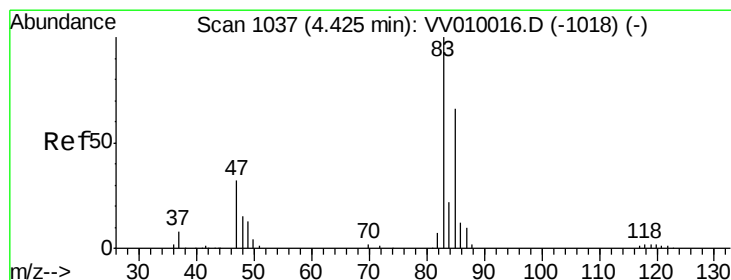
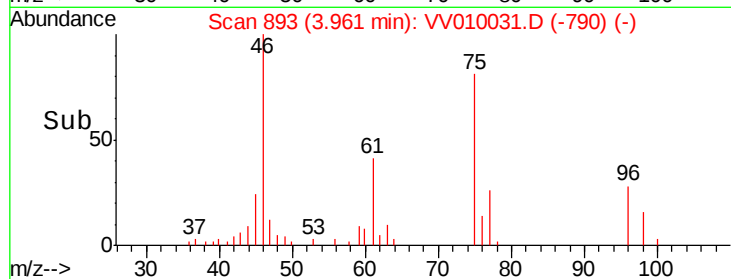
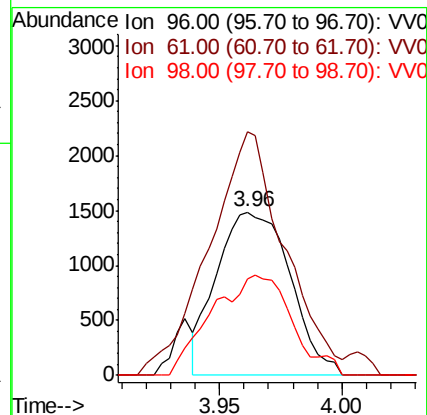
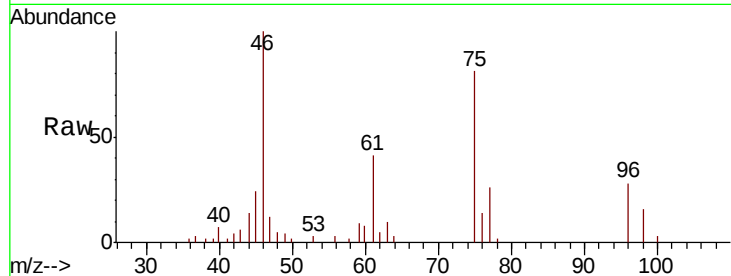


#22

cis-1,2-Dichloroethene
 Concen: 1.679 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV010031.D
 Acq: 30 Mar 2019 20:15

Instrument :
 MSVOA_V
 ClientSampled :
 BF0N4

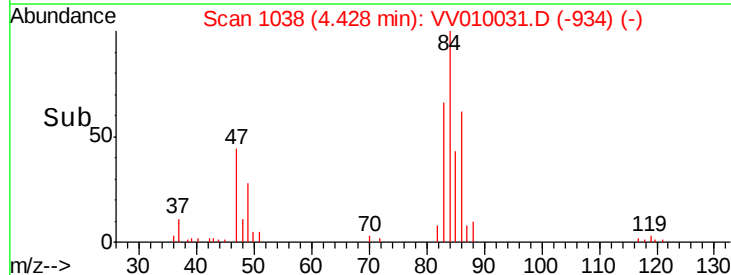
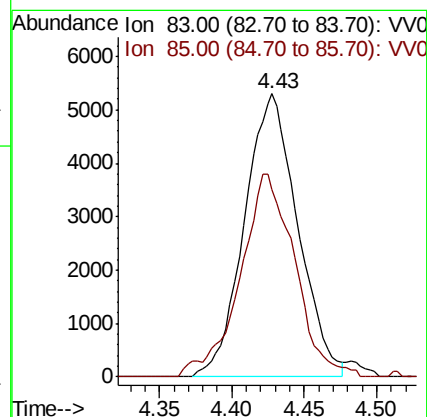
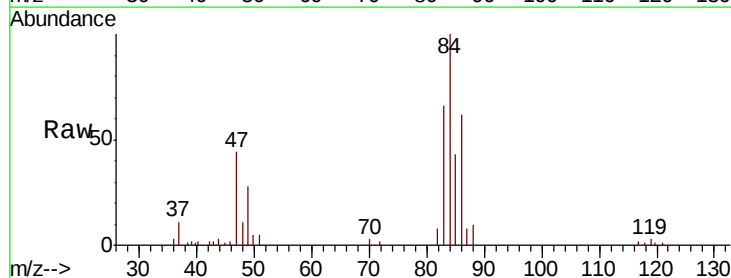
Tgt Ion: 96 Resp: 3117
 Ion Ratio Lower Upper
 96 100
 61 149.3 91.4 169.8
 98 59.3 48.0 89.2

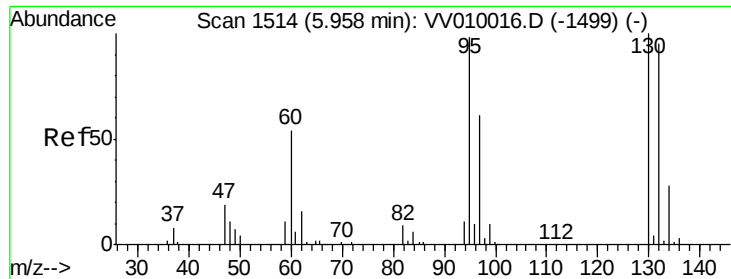


#25

Chloroform
 Concen: 3.986 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV010031.D
 Acq: 30 Mar 2019 20:15

Tgt Ion: 83 Resp: 13555
 Ion Ratio Lower Upper
 83 100
 85 71.4 46.1 85.7





#35

Trichloroethene

Concen: 10.224 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010031.D

Acq: 30 Mar 2019 20:15

Instrument :

MSVOA_V

ClientSampleId :

BF0N4

Tgt Ion: 95 Resp: 20215

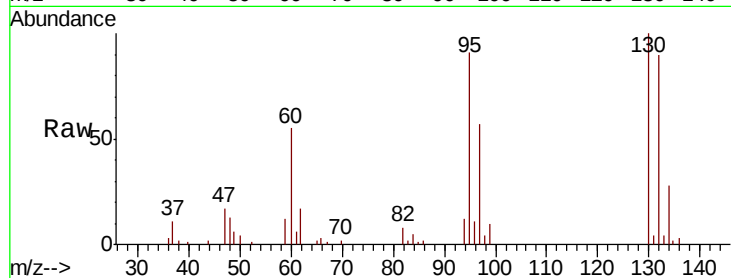
Ion Ratio Lower Upper

95 100

97 64.6 46.3 85.9

132 99.0 69.3 128.7

130 103.9 69.5 129.1

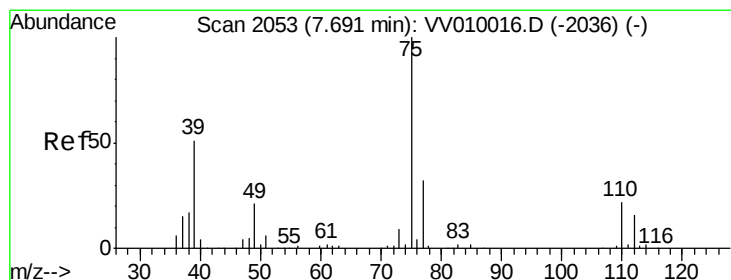
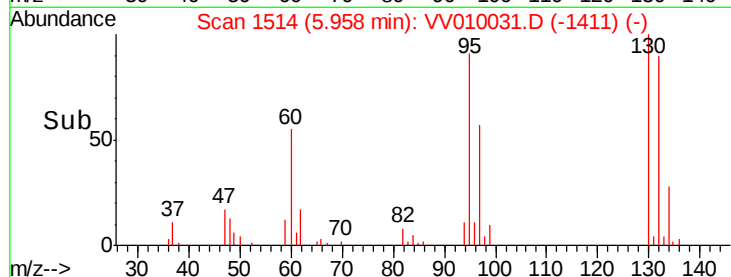
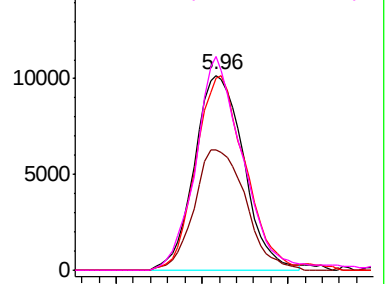


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 0.549 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010031.D

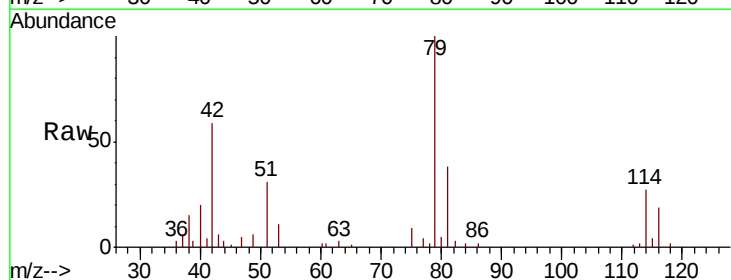
Acq: 30 Mar 2019 20:15

Tgt Ion: 75 Resp: 1227

Ion Ratio Lower Upper

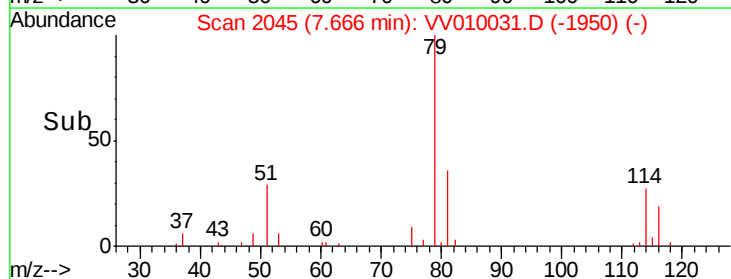
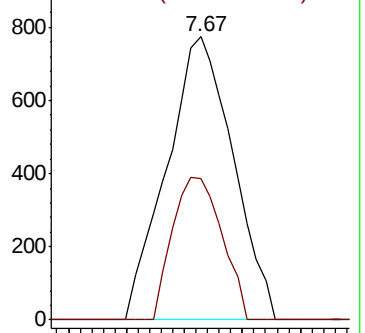
75 100

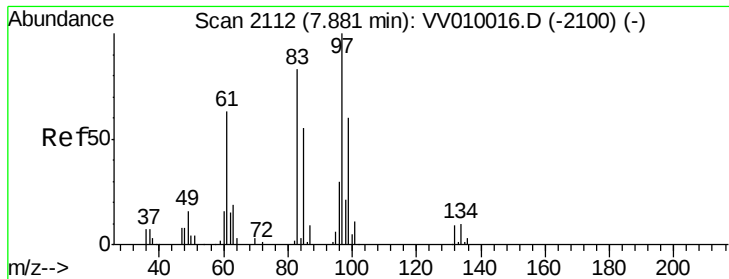
77 50.0 20.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

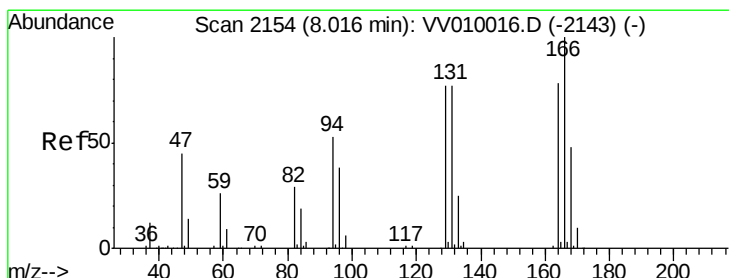
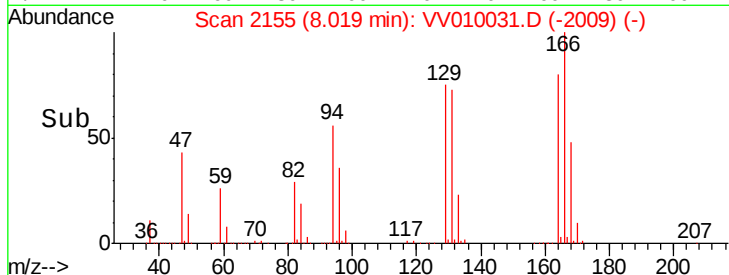
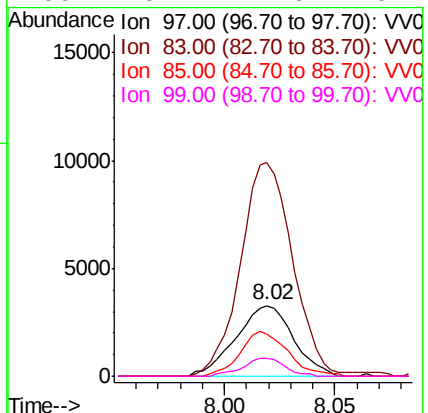
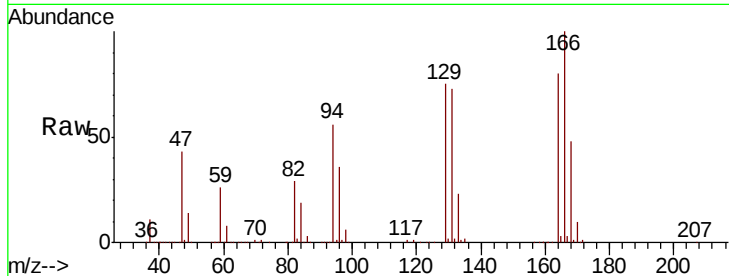




#46
 1,1,2-Trichloroethane
 Concen: 3.821 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.14 min
 Lab File: VV010031.D
 Acq: 30 Mar 2019 20:15

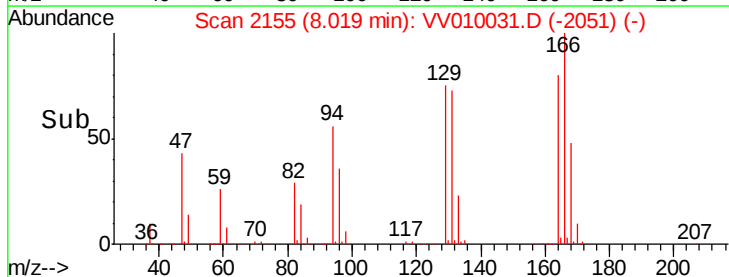
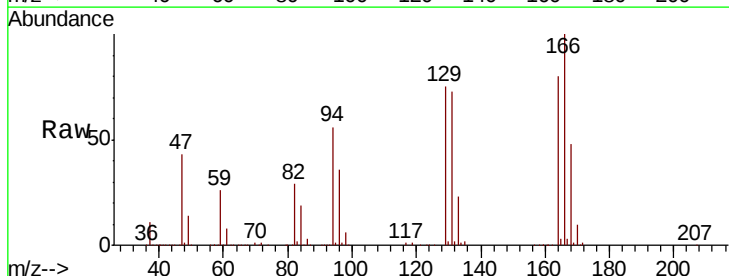
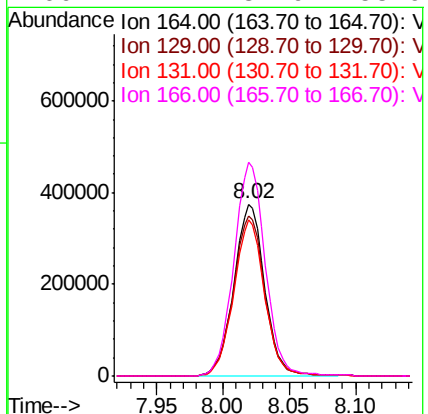
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0N4

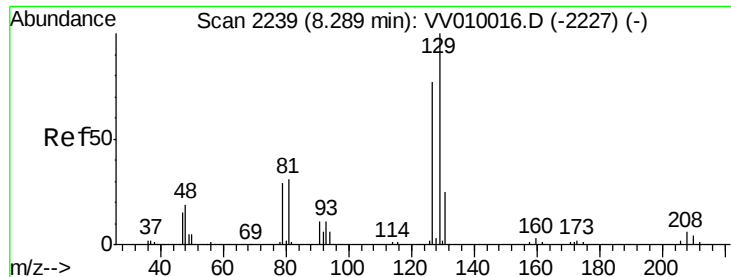
Tgt Ion: 97 Resp: 5919
 Ion Ratio Lower Upper
 97 100
 83 302.3 59.6 110.8#
 85 59.9 39.2 72.8
 99 26.2 42.6 79.2#



#47
 Tetrachloroethene
 Concen: 386.679 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010031.D
 Acq: 30 Mar 2019 20:15

Tgt Ion: 164 Resp: 603328
 Ion Ratio Lower Upper
 164 100
 129 93.0 64.9 120.5
 131 90.8 62.0 115.2
 166 124.4 82.9 153.9

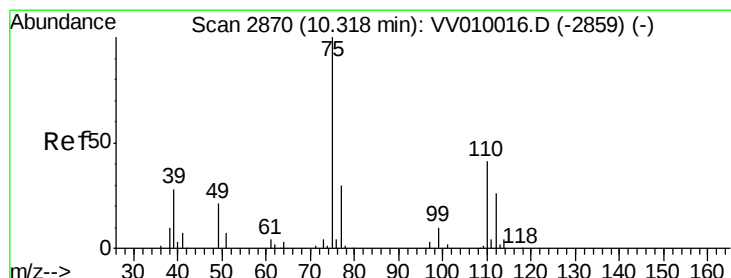
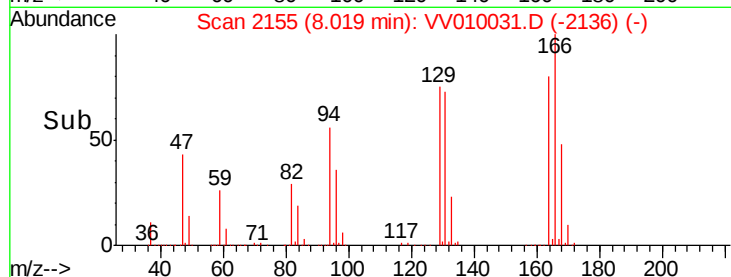
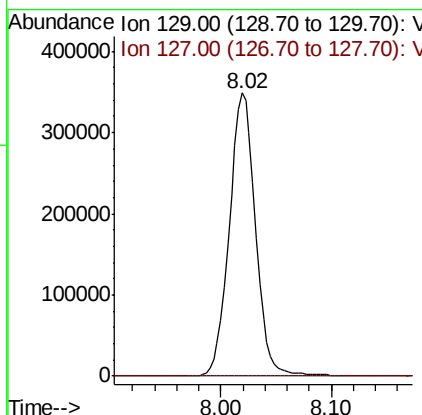
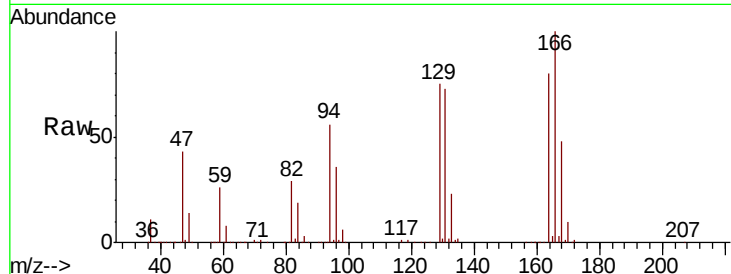




#50
 Dibromochloromethane
 Concen: 357.669 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV010031.D
 Acq: 30 Mar 2019 20:15

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0N4

Tgt Ion:129 Resp: 574542
 Ion Ratio Lower Upper
 129 100
 127 0.0 57.9 107.5#



#59
 1,2,3-Trichloropropane
 Concen: 5.855 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV010031.D
 Acq: 30 Mar 2019 20:15

Tgt Ion: 75 Resp: 8824
 Ion Ratio Lower Upper
 75 100
 77 36.9 26.2 39.2

