

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010026.D
 Acq On : 30 Mar 2019 18:03
 Operator : SY/MD
 Sample : K2166-11
 Misc : 6.04G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0L6

Quant Time: Mar 30 23:35:57 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	118628	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	117010	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47592	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58497	24.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.20%
7) Chloroethane-d5	1.57	69	67359	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.64%
10) 1,1-Dichloroethene-d2	2.12	63	130352	19.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.20%
20) 2-Butanone-d5	3.93	46	30224	67.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.76%
24) Chloroform-d	4.40	84	73627	24.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.44%
26) 1,2-Dichloroethane-d4	5.08	65	56977	31.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	125.32%
29) Benzene-d6	5.10	84	167480	27.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.04%
33) 1,2-Dichloropropane-d6	6.12	67	54218	30.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.64%#
37) Toluene-d8	7.36	98	145498	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.08%
38) trans-1,3-Dichloropropene-	7.66	79	16190	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.04%
39) 2-Hexanone-d5	8.13	63	21393	63.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.50%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52874	29.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	50854	28.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.28%

Target Compounds

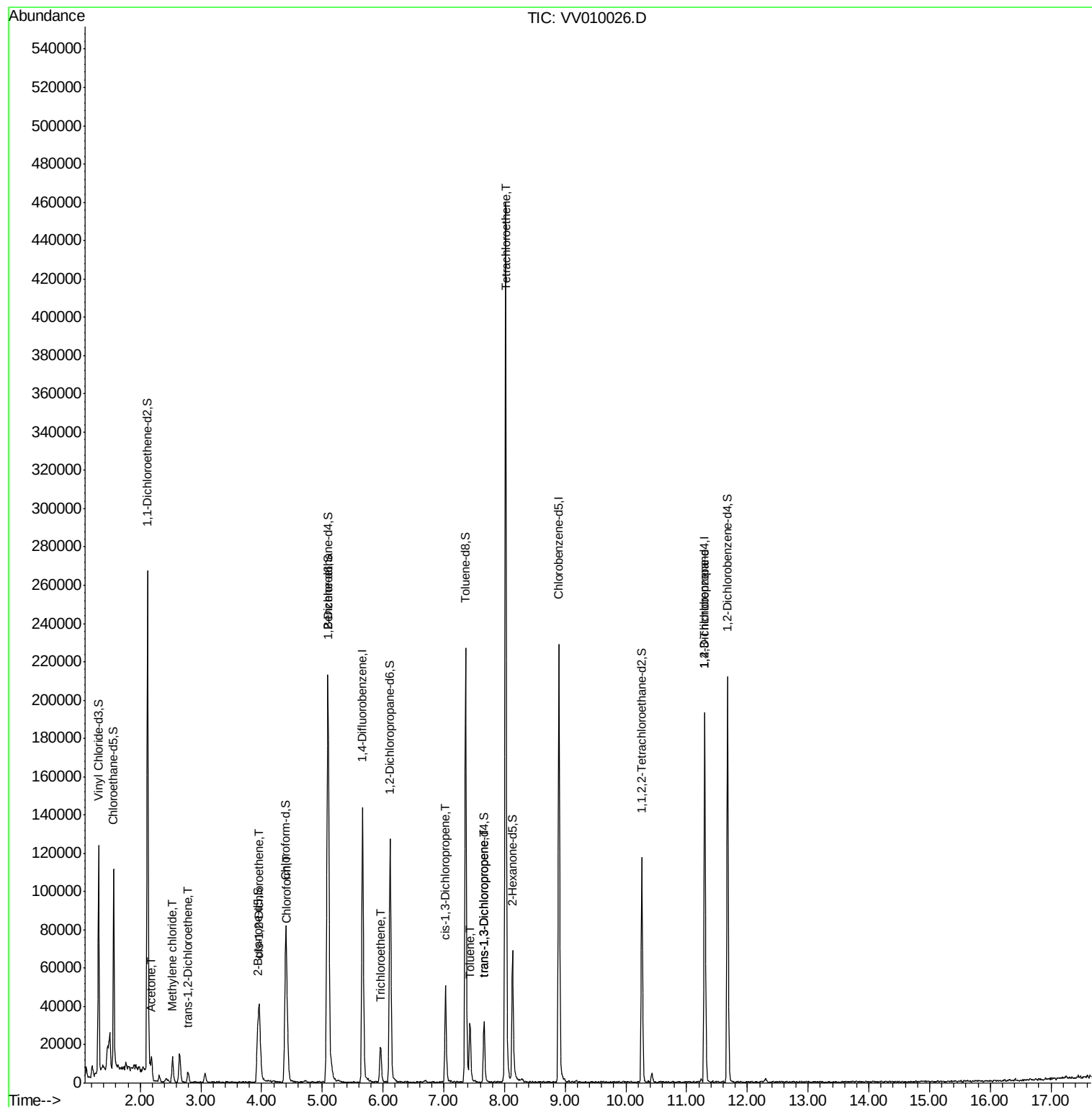
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.19	43	5797	8.535	ug/L	96
16) Methylene chloride	2.53	84	4943	2.530	ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	1564	1.006	ug/L	81
22) cis-1,2-Dichloroethene	3.96	96	14974	8.725	ug/L	91
25) Chloroform	4.42	83	14046	4.469	ug/L #	70
35) Trichloroethene	5.96	95	5615	3.313	ug/L	96
42) cis-1,3-Dichloropropene	7.03	75	1578	0.674	ug/L	97
44) Toluene	7.43	91	21061	2.973	ug/L	95
45) trans-1,3-Dichloropropene	7.66	75	1214	0.634	ug/L #	2
47) Tetrachloroethene	8.02	164	91736	68.591	ug/L	98
59) 1,2,3-Trichloropropane	11.30	75	7318	5.665	ug/L	91

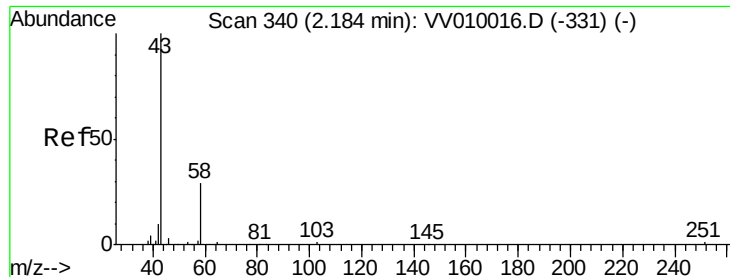
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 8.535 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV010026.D

Acq: 30 Mar 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

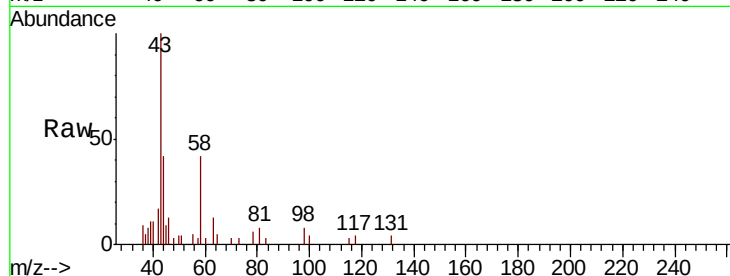
BF0L6

Tgt Ion: 43 Resp: 5797

Ion Ratio Lower Upper

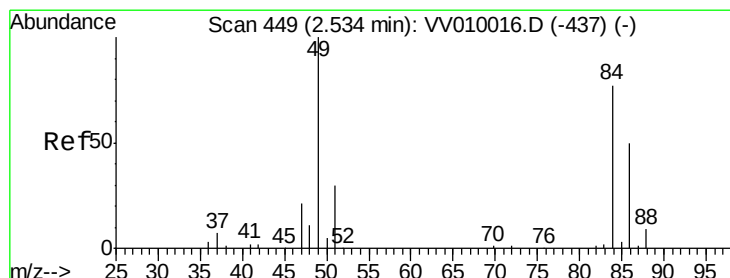
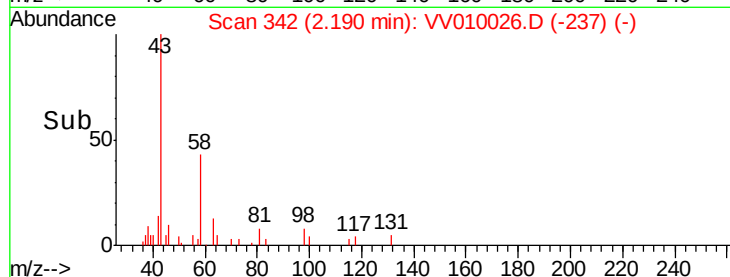
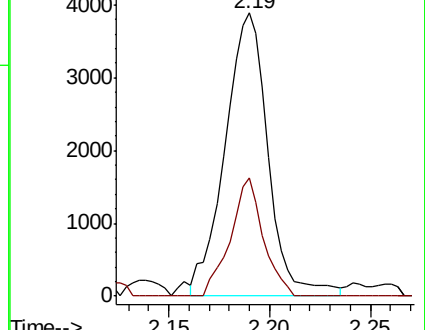
43 100

58 31.9 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: 2.530 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010026.D

Acq: 30 Mar 2019 18:03

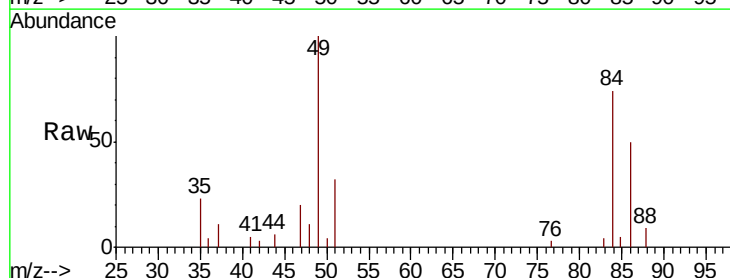
Tgt Ion: 84 Resp: 4943

Ion Ratio Lower Upper

84 100

49 135.1 90.4 167.8

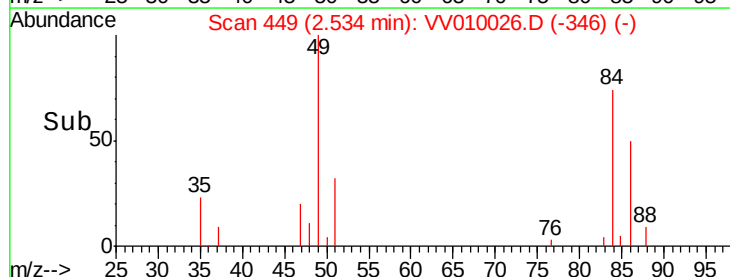
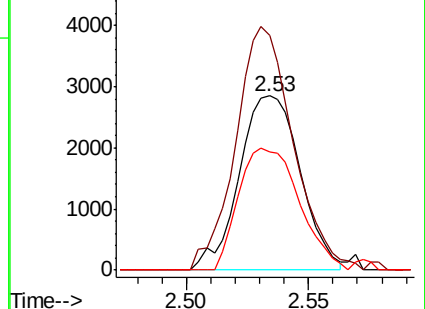
86 67.6 44.0 81.6

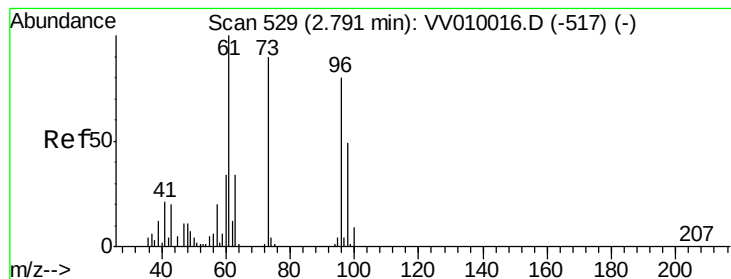


Abundance Ion 84.00 (83.70 to 84.70): VV010016.D (-437) (-)

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

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





#18

trans-1,2-Dichloroethene

Concen: 1.006 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV010026.D

Acq: 30 Mar 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

BF0L6

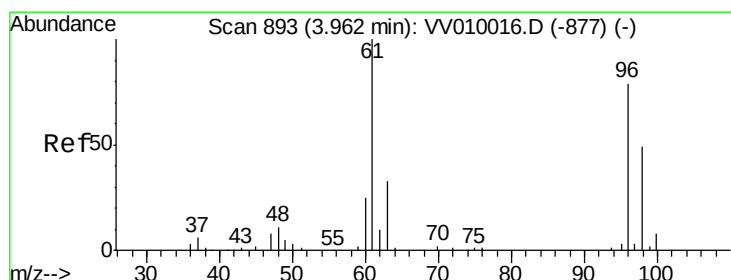
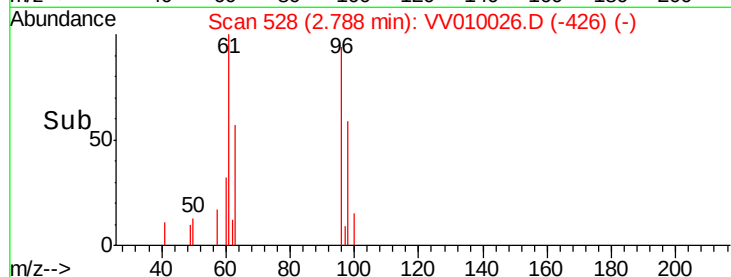
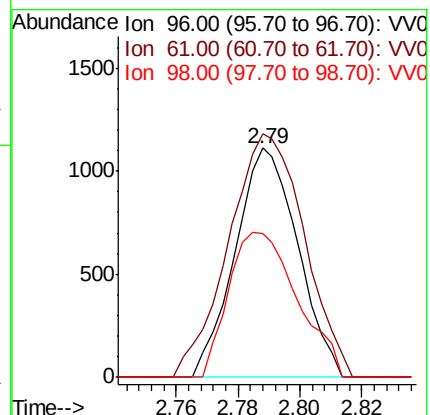
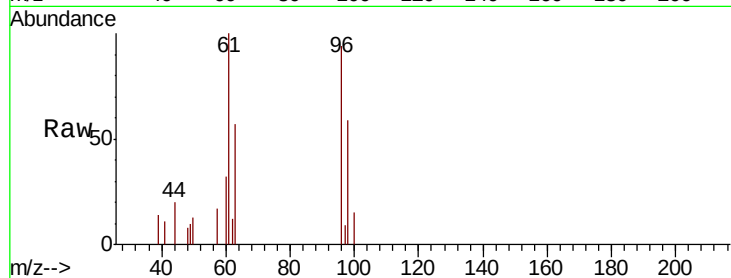
Tgt Ion: 96 Resp: 1564

Ion Ratio Lower Upper

96 100

61 106.3 96.8 179.8

98 62.8 46.1 85.7



#22

cis-1,2-Dichloroethene

Concen: 8.725 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV010026.D

Acq: 30 Mar 2019 18:03

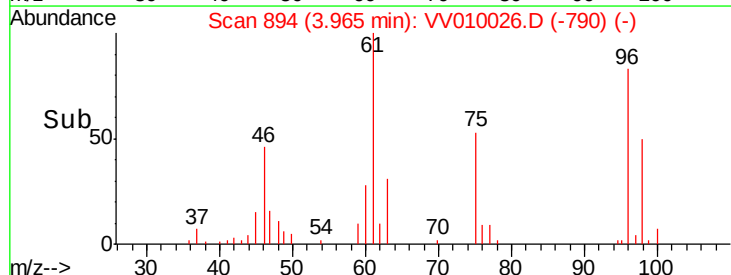
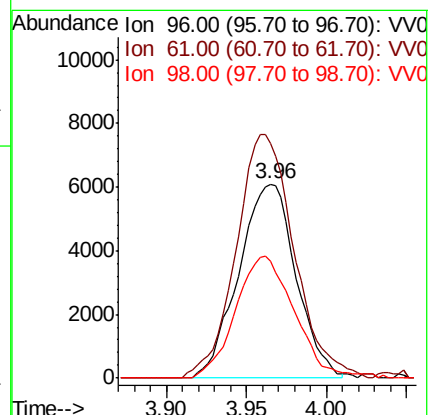
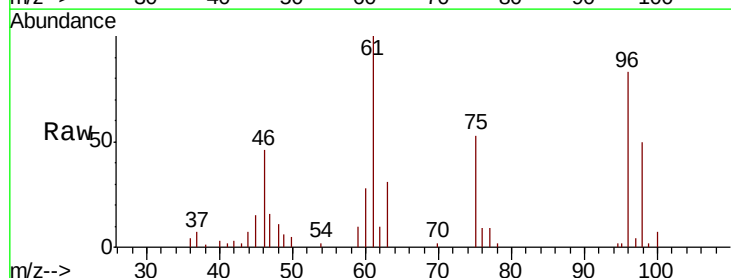
Tgt Ion: 96 Resp: 14974

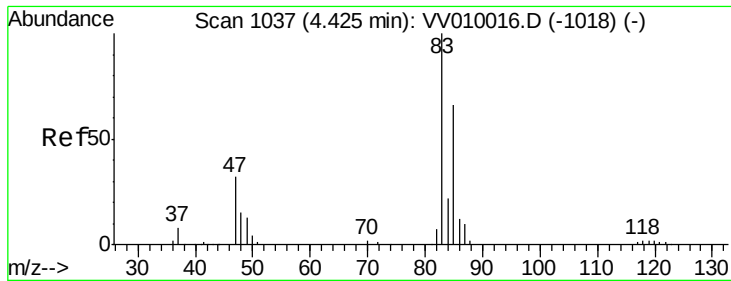
Ion Ratio Lower Upper

96 100

61 120.6 91.4 169.8

98 59.9 48.0 89.2





#25

Chloroform

Concen: 4.469 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV010026.D

Acq: 30 Mar 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

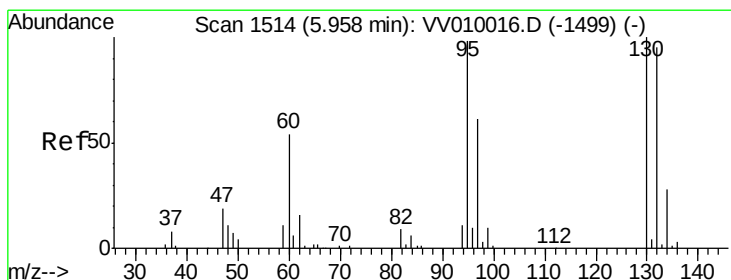
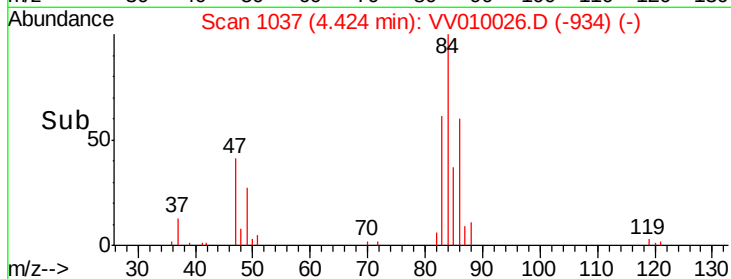
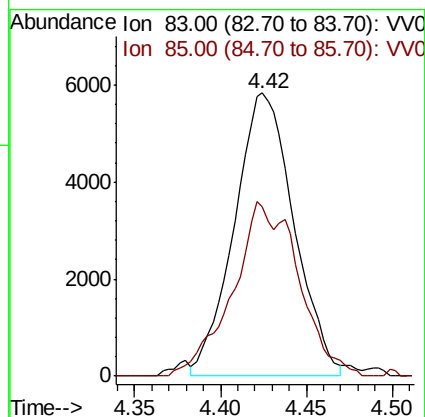
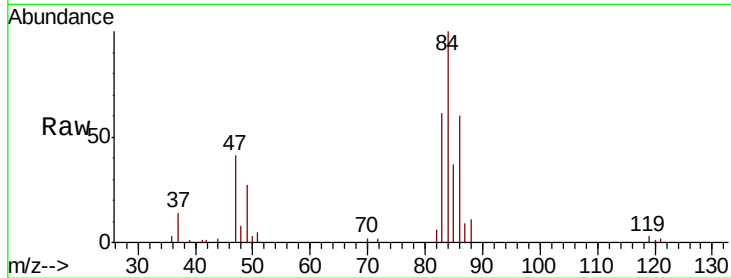
BF0L6

Tgt Ion: 83 Resp: 14046

Ion Ratio Lower Upper

83 100

85 41.8 46.1 85.7#



#35

Trichloroethene

Concen: 3.313 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010026.D

Acq: 30 Mar 2019 18:03

Tgt Ion: 95 Resp: 5615

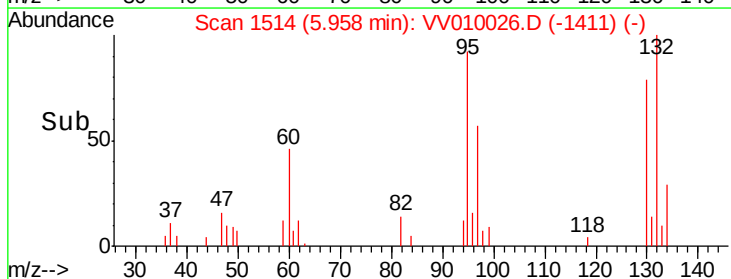
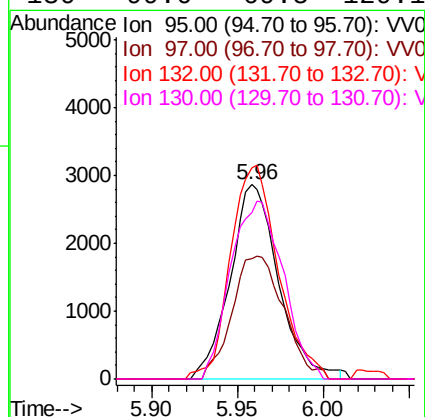
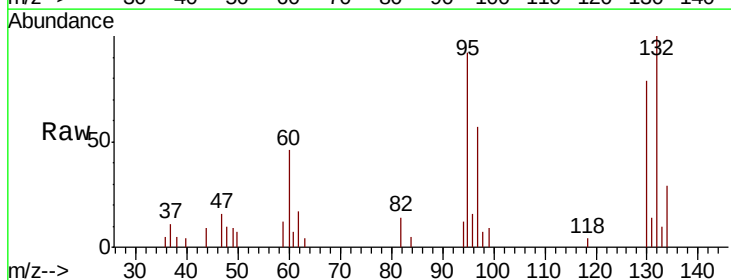
Ion Ratio Lower Upper

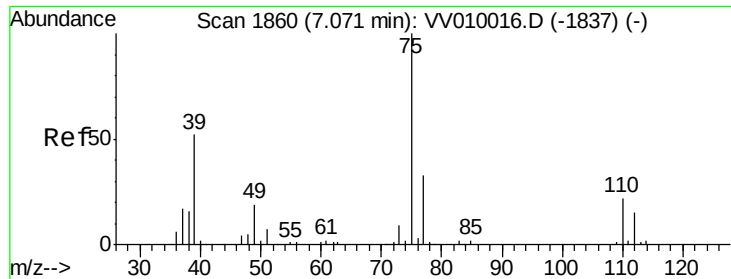
95 100

97 66.3 46.3 85.9

132 108.2 69.3 128.7

130 99.0 69.5 129.1

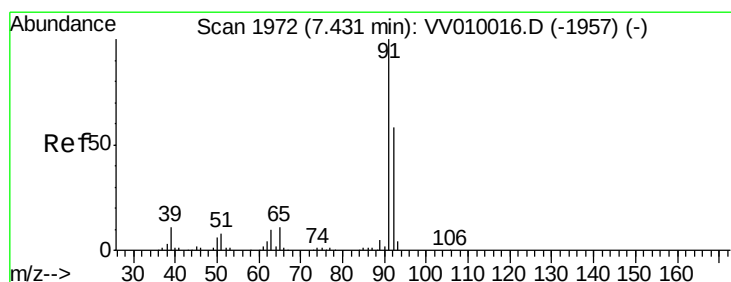
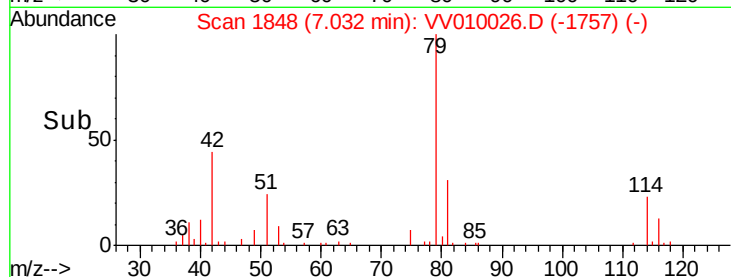
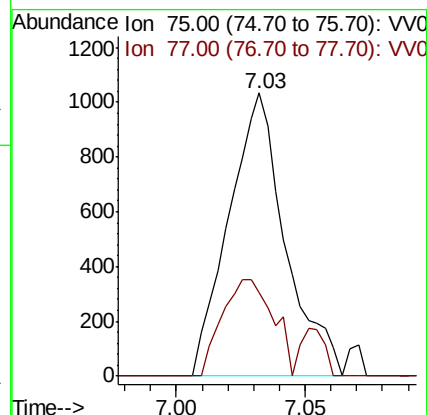
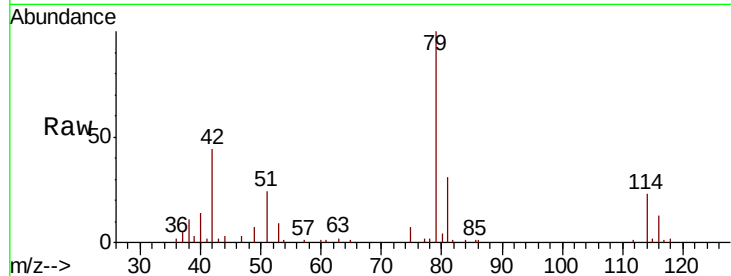




#42
 cis-1,3-Dichloropropene
 Concen: 0.674 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV010026.D
 Acq: 30 Mar 2019 18:03

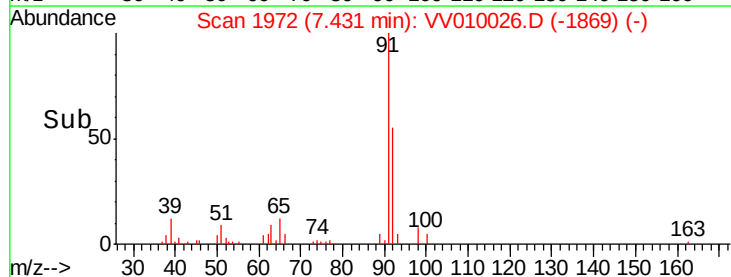
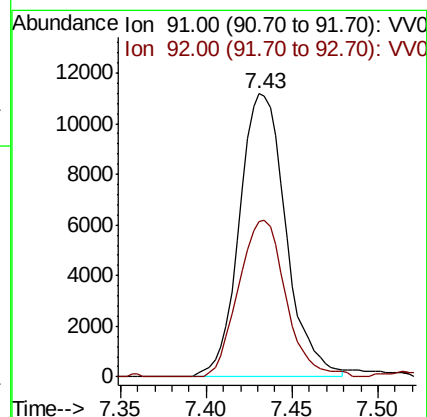
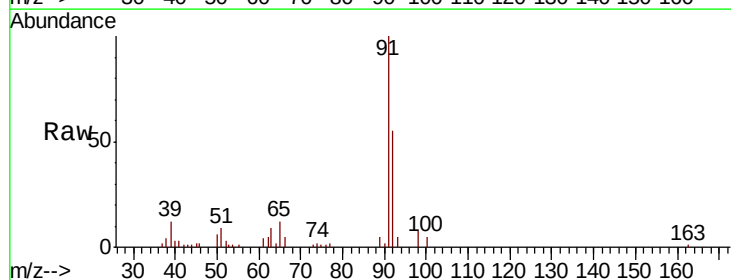
Instrument :
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 ClientSampleID :
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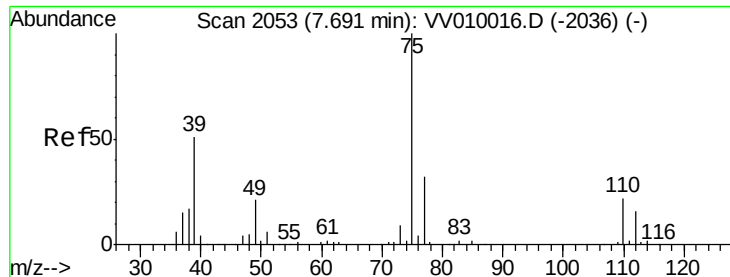
Tgt Ion: 75 Resp: 1578
 Ion Ratio Lower Upper
 75 100
 77 29.7 21.8 40.6



#44
 Toluene
 Concen: 2.973 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VV010026.D
 Acq: 30 Mar 2019 18:03

Tgt Ion: 91 Resp: 21061
 Ion Ratio Lower Upper
 91 100
 92 55.0 41.0 76.2





#45

trans-1,3-Dichloropropene

Concen: 0.634 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV010026.D

Acq: 30 Mar 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

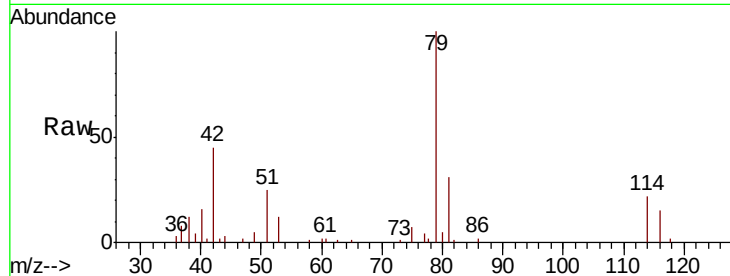
BF0L6

Tgt Ion: 75 Resp: 1214

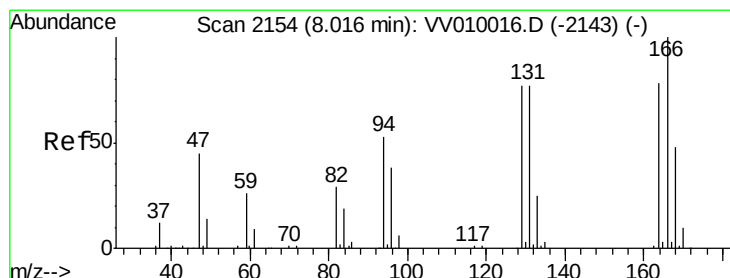
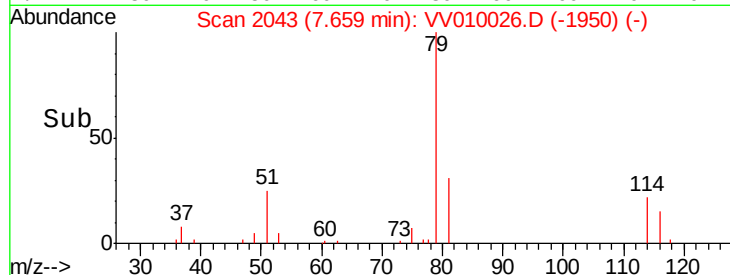
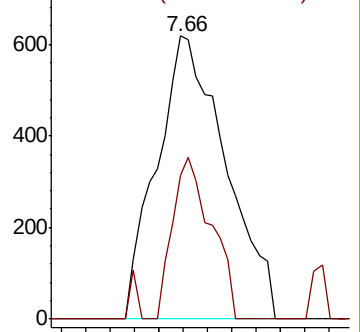
Ion Ratio Lower Upper

75 100

77 82.2 20.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV010016.D (-2036) (-)



#47

Tetrachloroethene

Concen: 68.591 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010026.D

Acq: 30 Mar 2019 18:03

Tgt Ion: 164 Resp: 91736

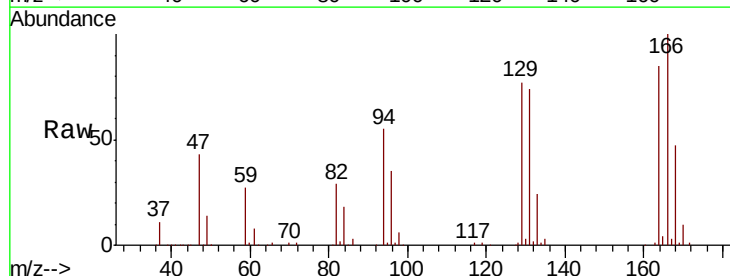
Ion Ratio Lower Upper

164 100

129 90.4 64.9 120.5

131 86.7 62.0 115.2

166 117.6 82.9 153.9

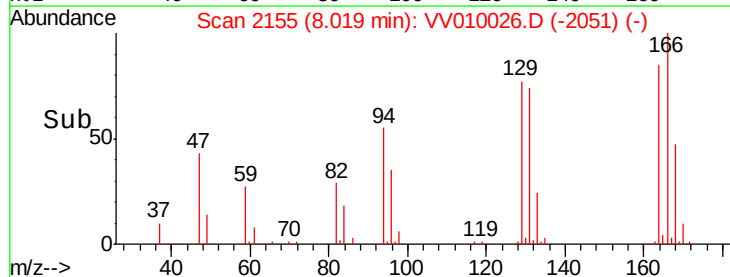
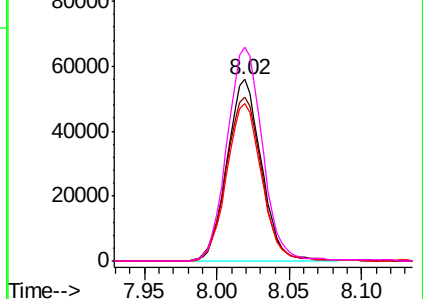


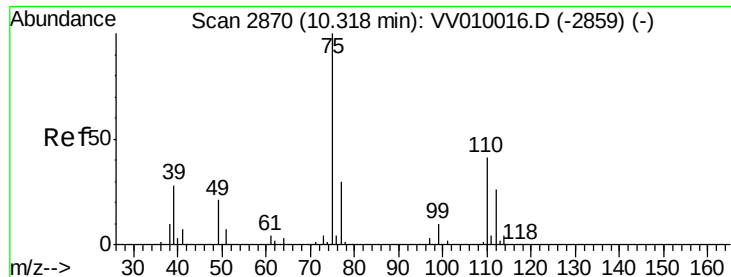
Abundance Ion 164.00 (163.70 to 164.70): VV010016.D (-2143) (-)

Ion 129.00 (128.70 to 129.70): VV010016.D (-2143) (-)

Ion 131.00 (130.70 to 131.70): VV010016.D (-2143) (-)

Ion 166.00 (165.70 to 166.70): VV010016.D (-2143) (-)





#59

1,2,3-Trichloropropane

Concen: 5.665 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010026.D

Acq: 30 Mar 2019 18:03

Instrument :

MSVOA_V

ClientSampleId :

BF0L6

Tgt Ion: 75 Resp: 7318

Ion Ratio Lower Upper

75 100

77 37.6 26.2 39.2

