

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009559.D
 Acq On : 09 Mar 2019 00:15
 Operator : SY/MD
 Sample : K1818-04
 Misc : 5.63G/10ML/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF2K9

Quant Time: Mar 09 01:29:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 09 01:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	122546	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	119372	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52810	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30226	20.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.96%
7) Chloroethane-d5	1.57	69	51097	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
10) 1,1-Dichloroethene-d2	2.13	63	69247	18.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.16%
20) 2-Butanone-d5	3.95	46	34765	69.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.32%#
24) Chloroform-d	4.40	84	75774	25.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.84%
26) 1,2-Dichloroethane-d4	5.08	65	50735	30.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.20%
29) Benzene-d6	5.10	84	152214	25.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.00%
33) 1,2-Dichloropropane-d6	6.12	67	49258	28.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.92%
37) Toluene-d8	7.36	98	144428	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.24%
38) trans-1,3-Dichloropropene-	7.67	79	20610	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.52%
39) 2-Hexanone-d5	8.14	63	25271	62.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54514	29.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	55269	28.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.68%

Target Compounds

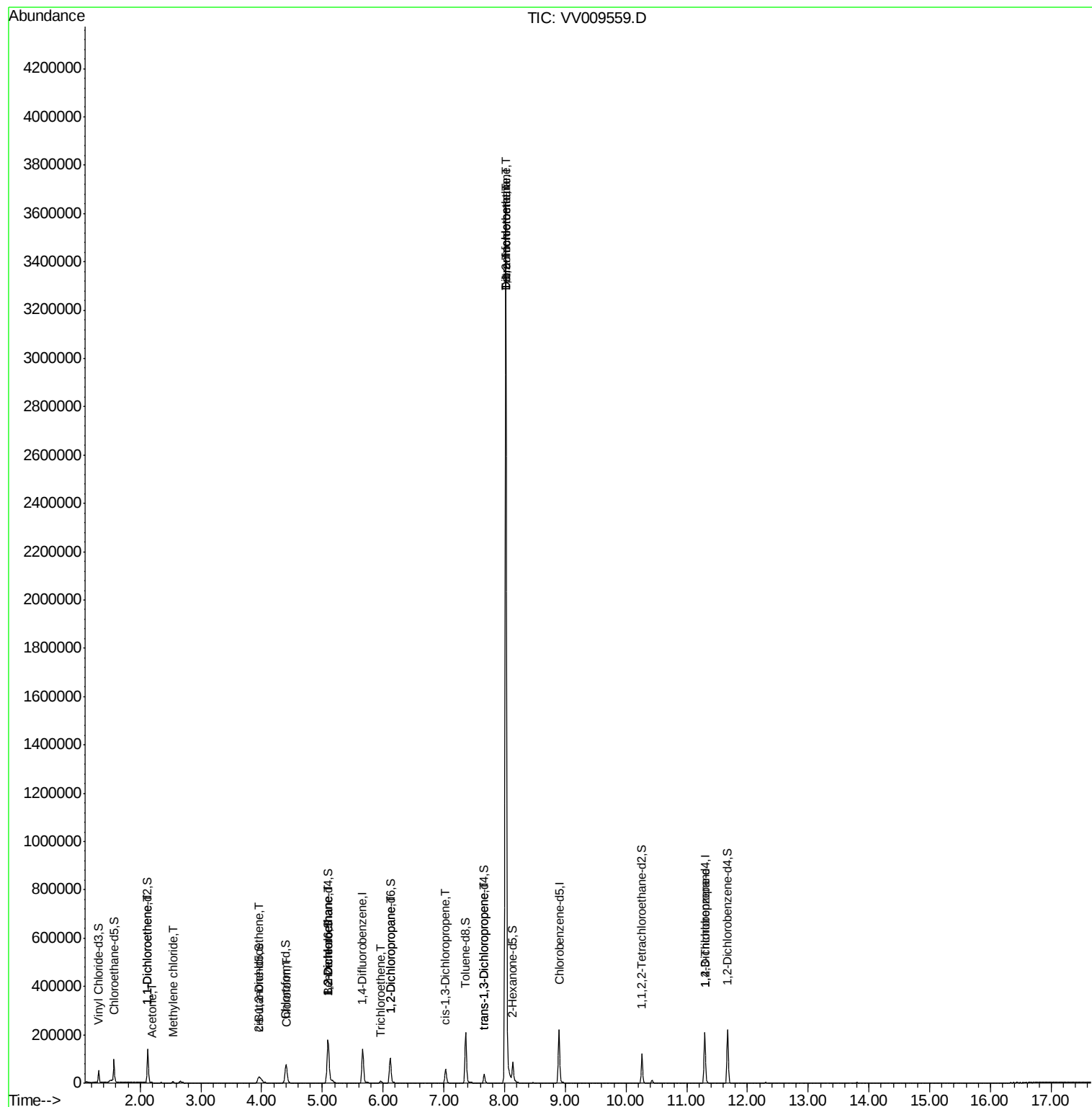
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	1313	0.806	ug/L #	1
13) Acetone	2.21	43	1102	2.156	ug/L	72
16) Methylene chloride	2.54	84	2252	1.400	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	1551	0.939	ug/L	88
25) Chloroform	4.43	83	4025	1.399	ug/L	84
27) 1,2-Dichloroethane	5.09	62	858	0.429	ug/L #	77
35) Trichloroethene	5.96	95	2369	1.336	ug/L	92
40) 1,2-Dichloropropane	6.12	63	5648	3.551	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1742	0.706	ug/L #	81
45) trans-1,3-Dichloropropene	7.67	75	1043	0.484	ug/L #	77
46) 1,1,2-Trichloroethane	8.02	97	7123	5.391	ug/L #	14
47) Tetrachloroethene	8.02	164	718817	534.631	ug/L	93
50) Dibromochloromethane	8.02	129	735190	459.589	ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	7674	5.706	ug/L	90

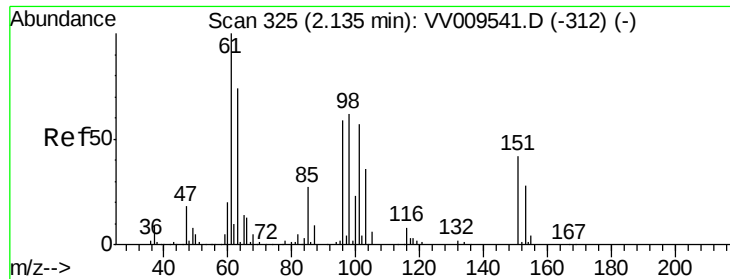
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 09 01:24:39 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.806 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009559.D

Acq: 09 Mar 2019 00:15

Instrument :

MSVOA_V

ClientSampled :

BF2K9

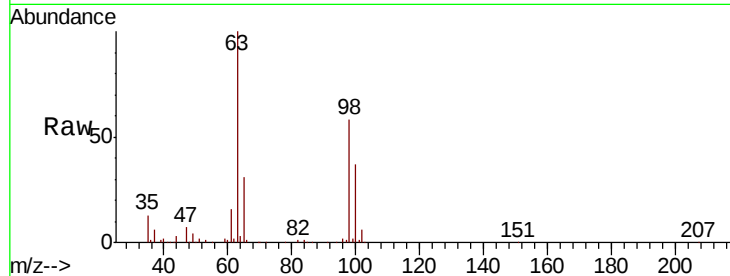
Tgt Ion: 96 Resp: 1313

Ion Ratio Lower Upper

96 100

61 703.4 136.9 254.3#

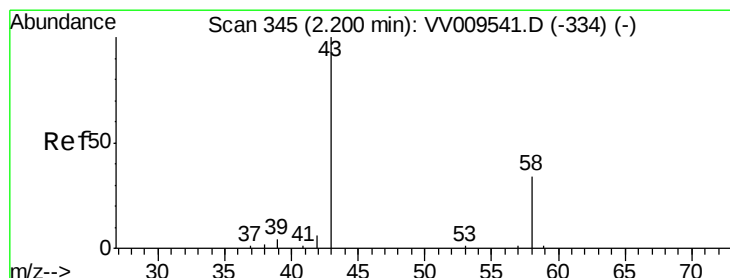
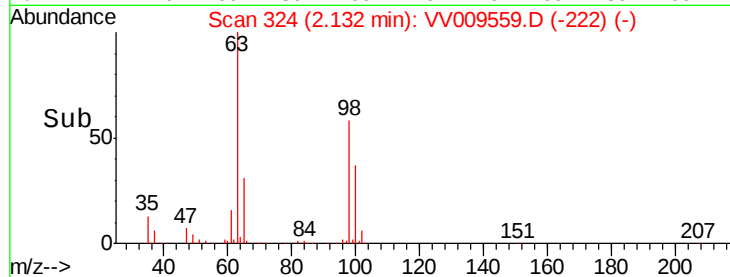
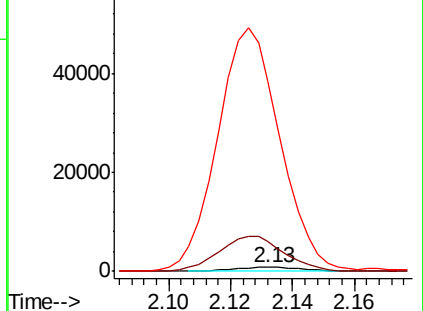
63 4526.1 108.7 201.9#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 2.156 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV009559.D

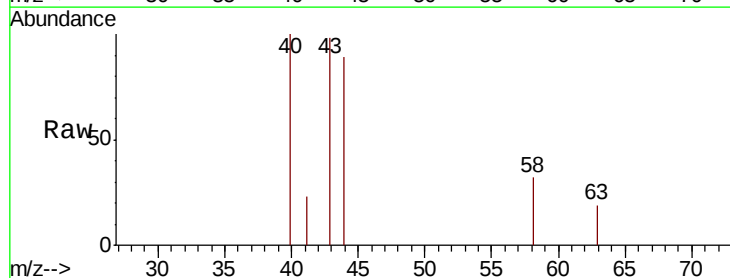
Acq: 09 Mar 2019 00:15

Tgt Ion: 43 Resp: 1102

Ion Ratio Lower Upper

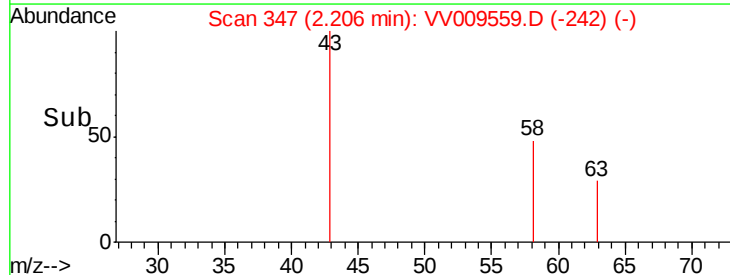
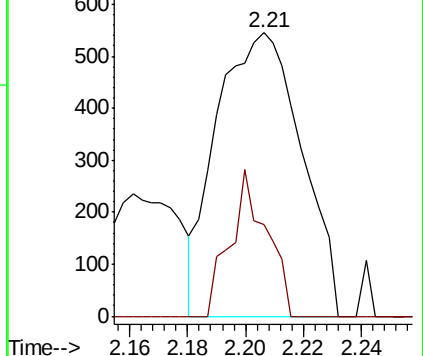
43 100

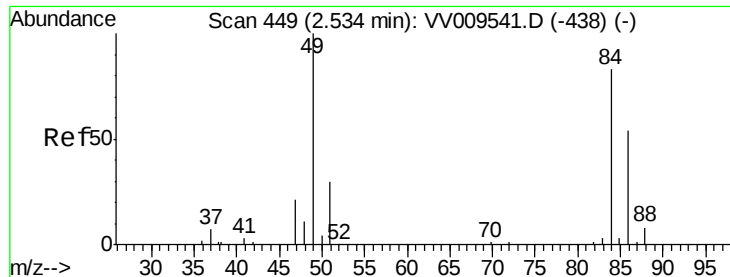
58 18.1 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

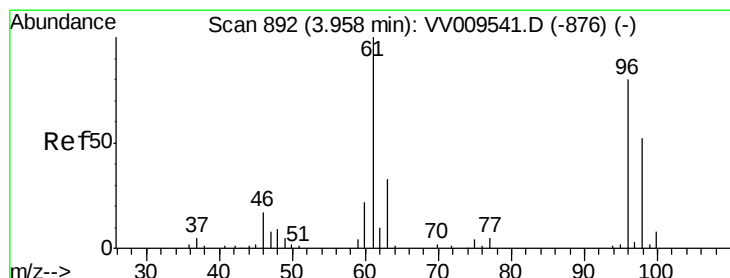
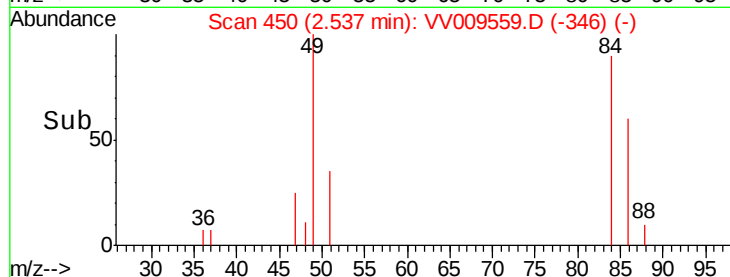
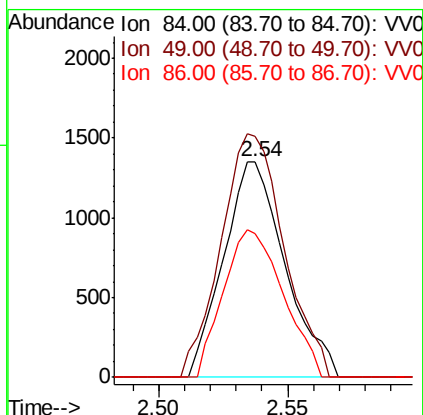
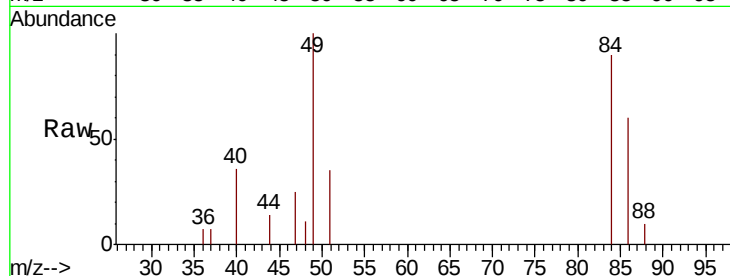




#16
Methylene chloride
Concen: 1.400 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009559.D
Acq: 09 Mar 2019 00:15

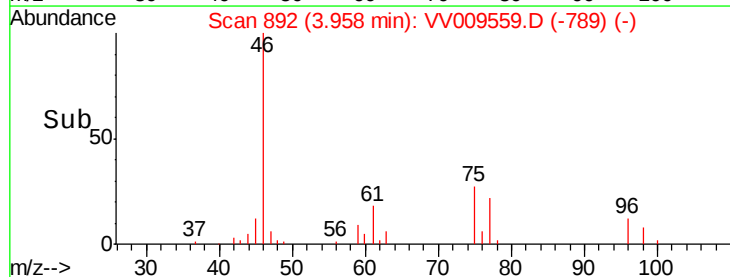
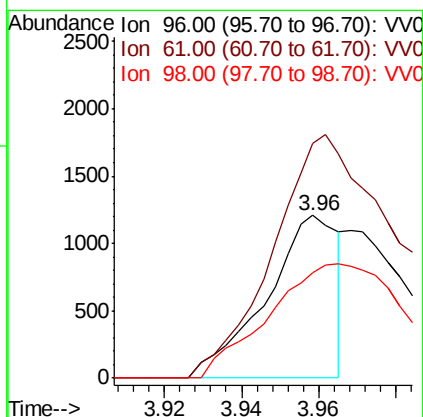
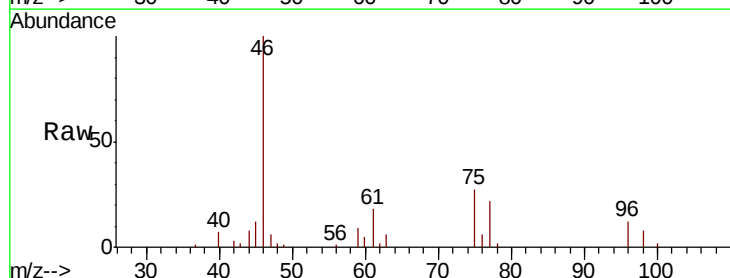
Instrument :
MSVOA_V
ClientSampleId :
BF2K9

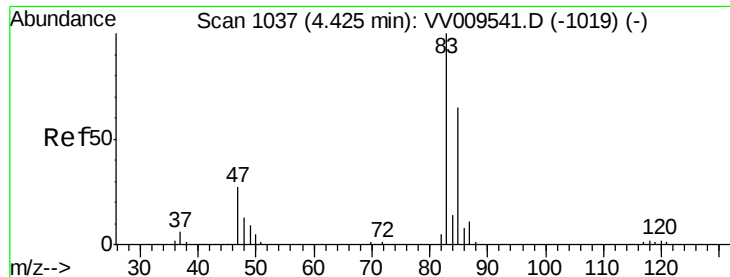
Tgt Ion: 84 Resp: 2252
Ion Ratio Lower Upper
84 100
49 111.5 84.6 157.0
86 66.5 46.1 85.7



#22
cis-1,2-Dichloroethene
Concen: 0.939 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV009559.D
Acq: 09 Mar 2019 00:15

Tgt Ion: 96 Resp: 1551
Ion Ratio Lower Upper
96 100
61 144.1 87.2 161.9
98 64.8 44.6 82.8

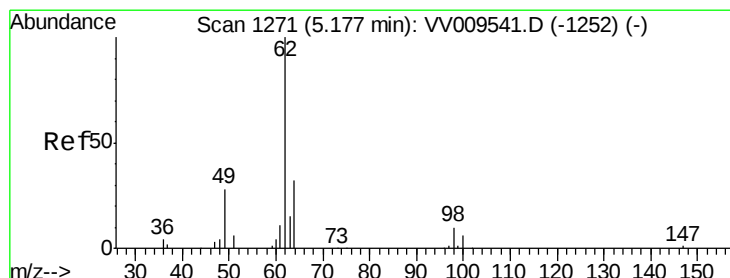
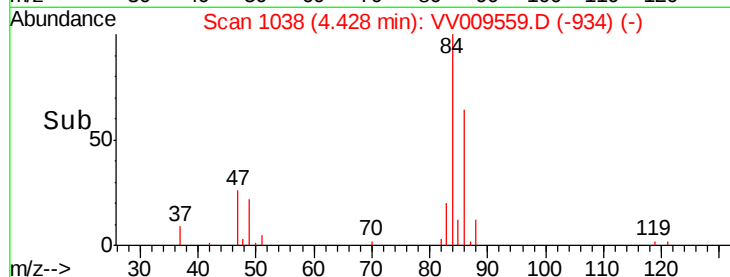
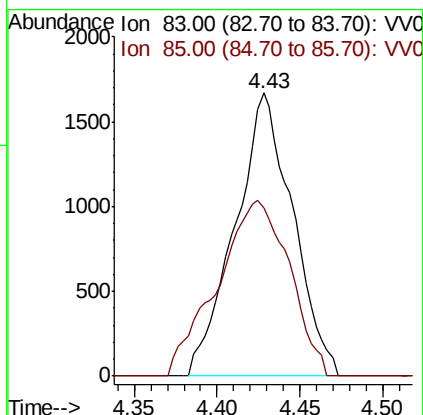
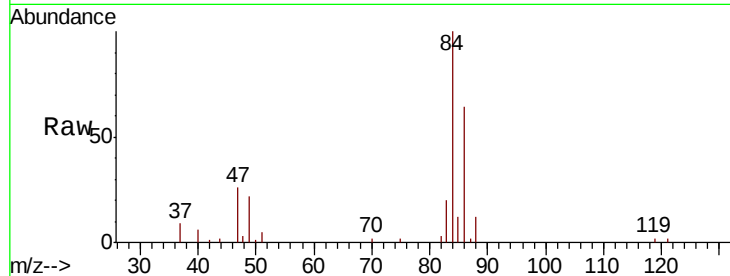




#25
Chloroform
Concen: 1.399 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009559.D
Acq: 09 Mar 2019 00:15

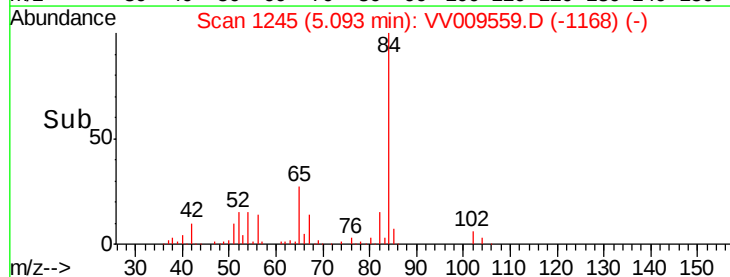
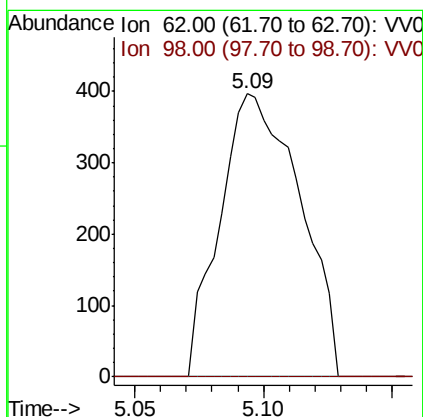
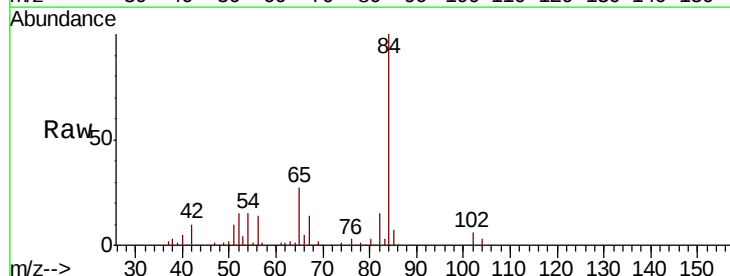
Instrument :
MSVOA_V
ClientSampleId :
BF2K9

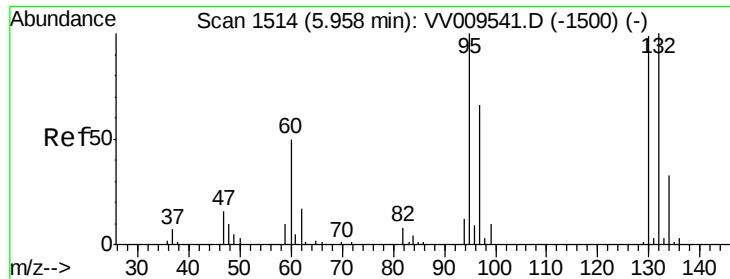
Tgt Ion: 83 Resp: 4025
Ion Ratio Lower Upper
83 100
85 77.7 45.4 84.2



#27
1,2-Dichloroethane
Concen: 0.429 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.08 min
Lab File: VV009559.D
Acq: 09 Mar 2019 00:15

Tgt Ion: 62 Resp: 858
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#35

Trichloroethene

Concen: 1.336 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009559.D

Acq: 09 Mar 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

BF2K9

Tgt Ion: 95 Resp: 2369

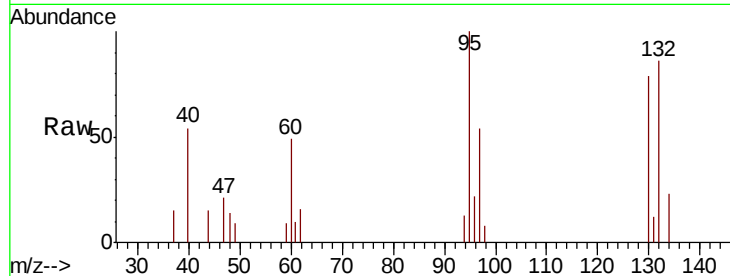
Ion Ratio Lower Upper

95 100

97 60.1 44.3 82.3

132 77.3 64.4 119.6

130 94.2 69.4 128.8

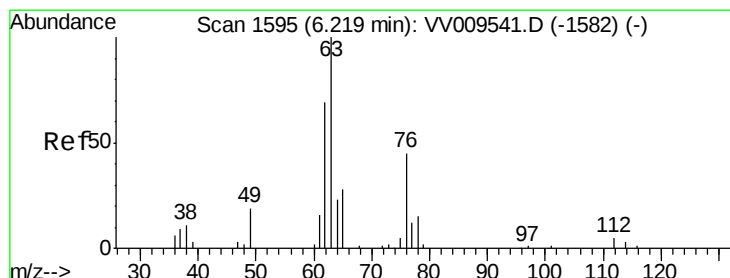
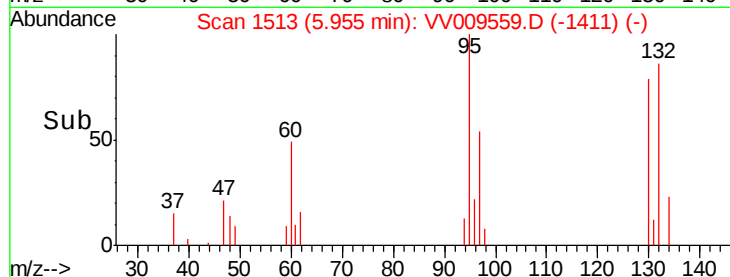
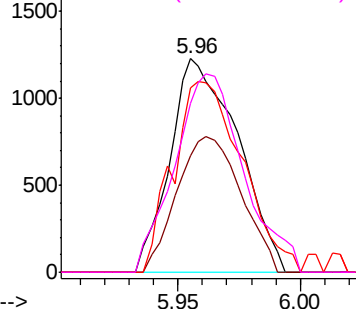


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 3.551 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009559.D

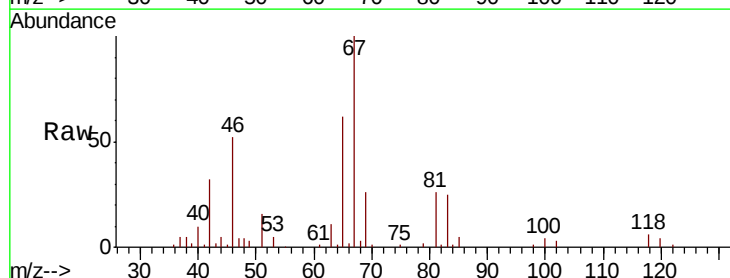
Acq: 09 Mar 2019 00:15

Tgt Ion: 63 Resp: 5648

Ion Ratio Lower Upper

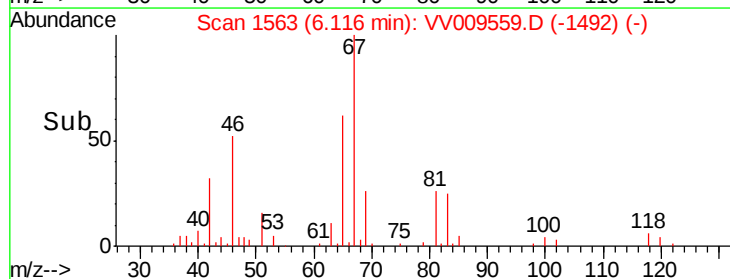
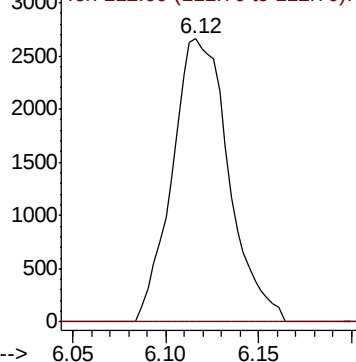
63 100

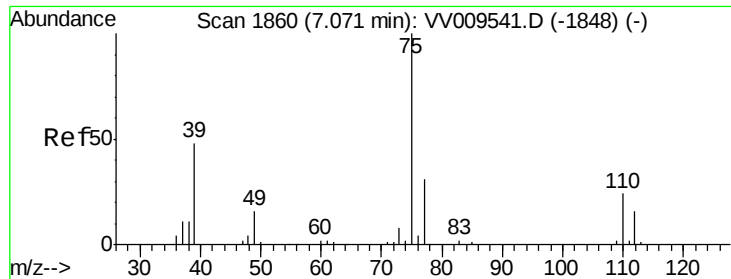
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



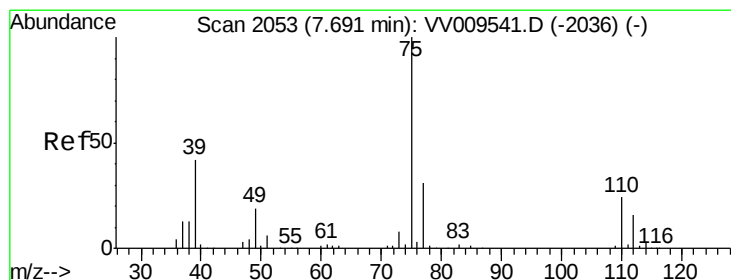
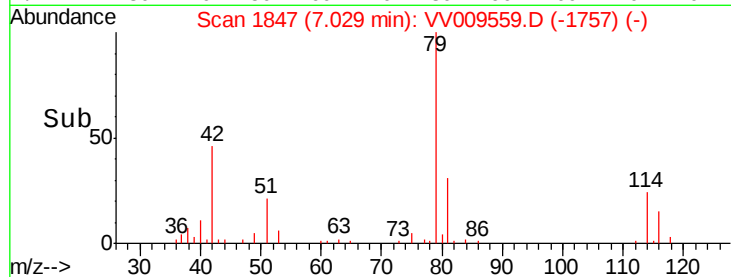
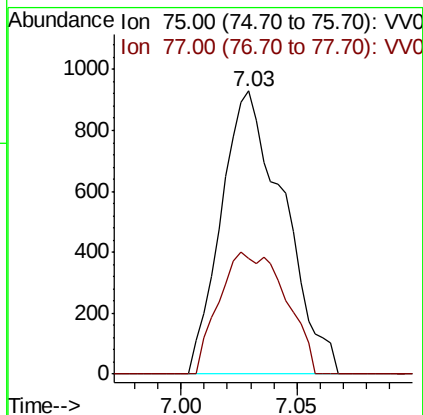
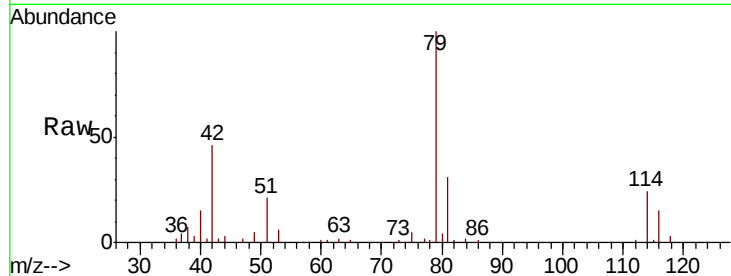


#42

cis-1,3-Dichloropropene
Concen: 0.706 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009559.D
Acq: 09 Mar 2019 00:15

Instrument :
MSVOA_V
ClientSampled :
BF2K9

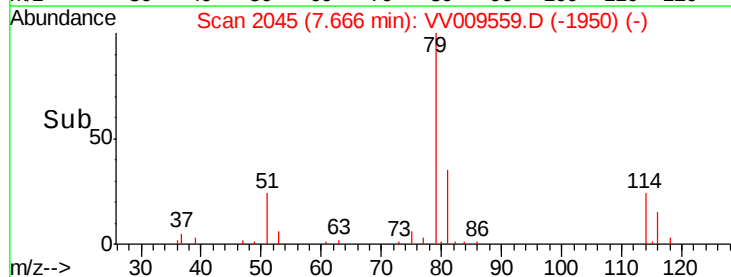
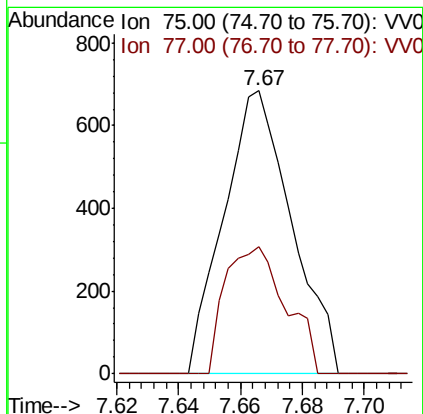
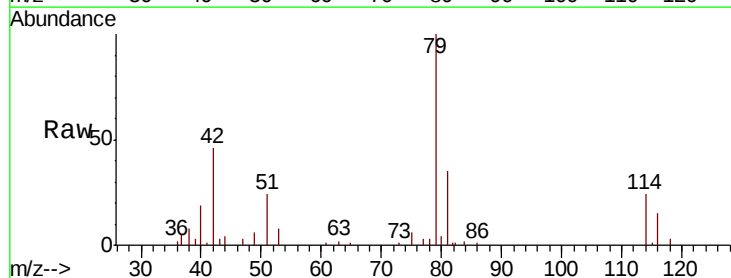
Tgt Ion: 75 Resp: 1742
Ion Ratio Lower Upper
75 100
77 40.8 21.4 39.8#

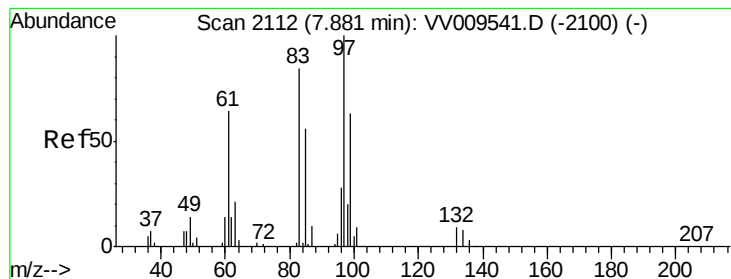


#45

trans-1,3-Dichloropropene
Concen: 0.484 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV009559.D
Acq: 09 Mar 2019 00:15

Tgt Ion: 75 Resp: 1043
Ion Ratio Lower Upper
75 100
77 44.7 22.5 41.7#





#46

1,1,2-Trichloroethane

Concen: 5.391 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV009559.D

Acq: 09 Mar 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

BF2K9

Tgt Ion: 97 Resp: 7123

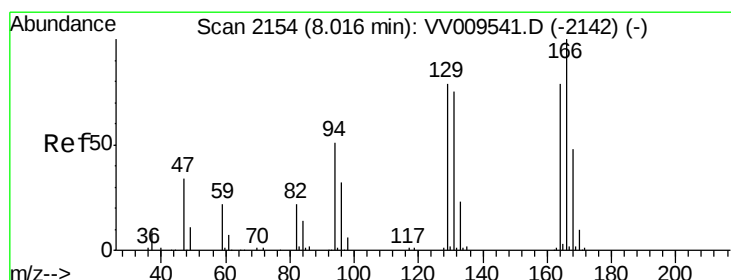
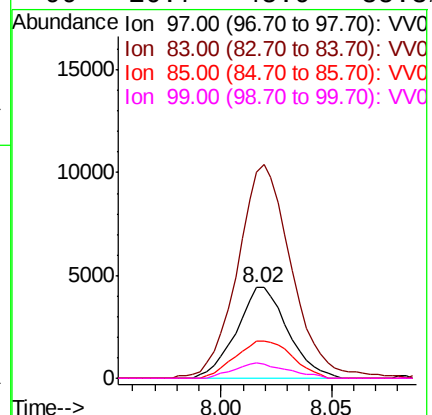
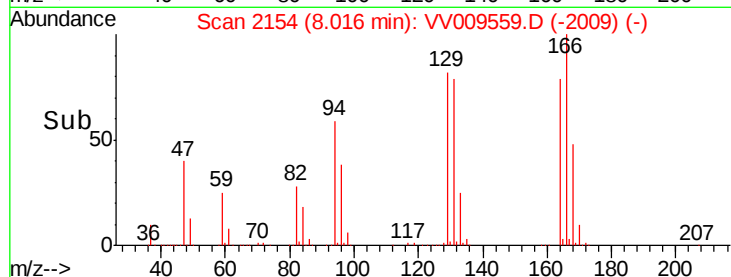
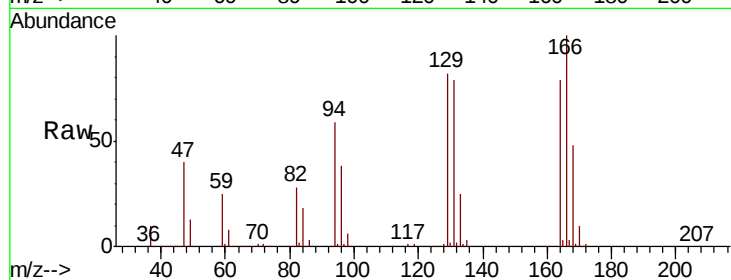
Ion Ratio Lower Upper

97 100

83 227.5 63.8 118.6#

85 40.4 39.5 73.4

99 16.7 45.9 85.3#



#47

Tetrachloroethene

Concen: 534.631 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009559.D

Acq: 09 Mar 2019 00:15

Tgt Ion: 164 Resp: 718817

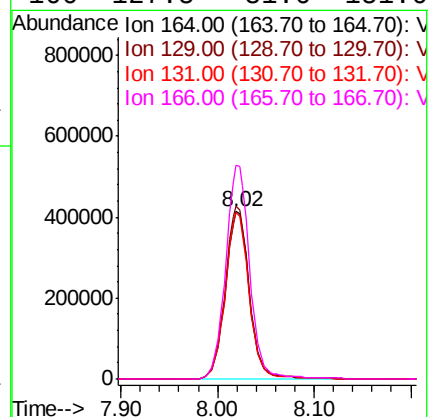
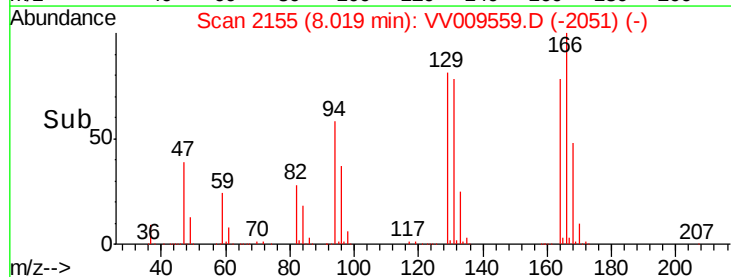
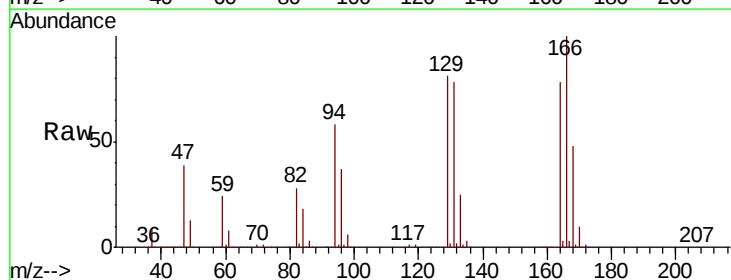
Ion Ratio Lower Upper

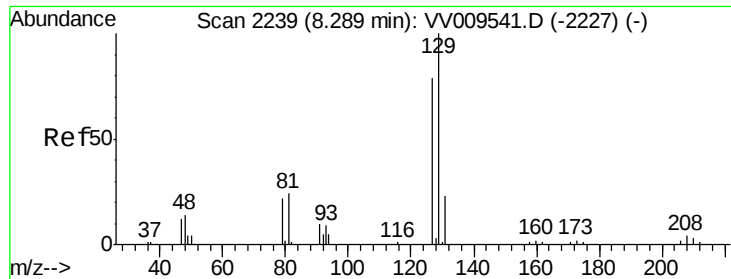
164 100

129 103.0 67.7 125.7

131 99.6 67.5 125.3

166 127.5 81.6 151.6

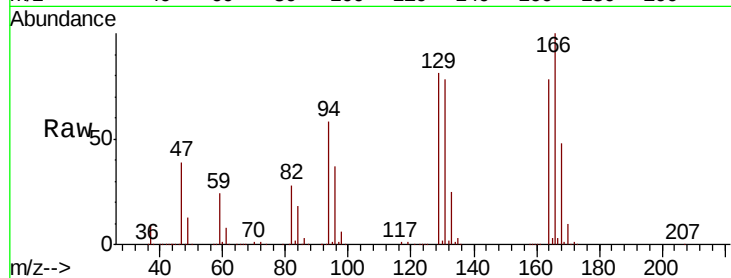




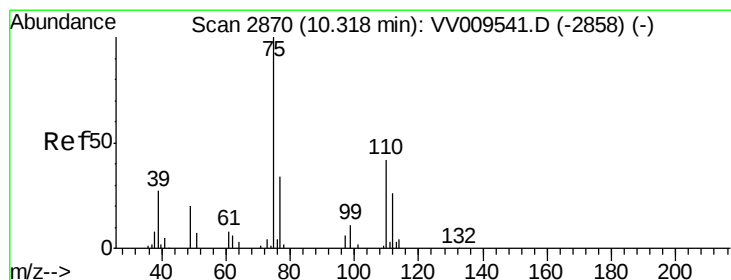
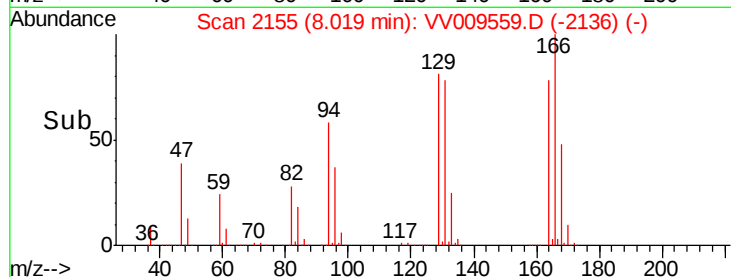
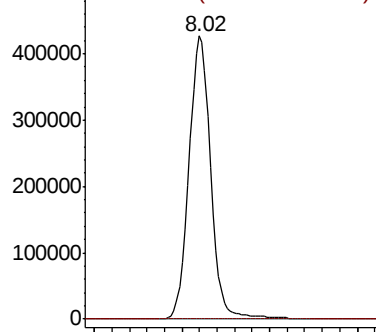
#50
 Dibromochloromethane
 Concen: 459.589 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV009559.D
 Acq: 09 Mar 2019 00:15

Instrument :
 MSVOA_V
 ClientSampleId :
 BF2K9

Tgt Ion:129 Resp: 735190
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.7 99.7#

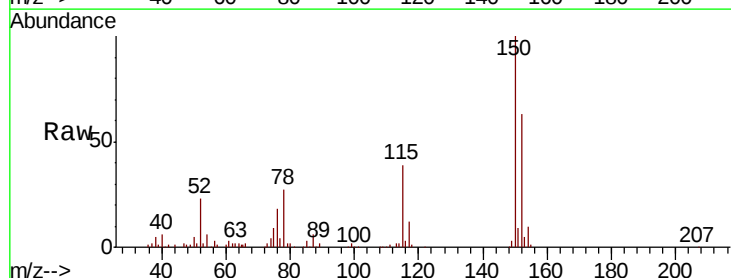


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V



#59
 1,2,3-Trichloropropane
 Concen: 5.706 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009559.D
 Acq: 09 Mar 2019 00:15

Tgt Ion: 75 Resp: 7674
 Ion Ratio Lower Upper
 75 100
 77 37.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0

