

Data File : VV009533.D
Acq On : 07 Mar 2019 16:59
Operator : SY/MD
Sample : K1789-04
Misc : 6.98G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0P0

Quant Time: Mar 08 03:06:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	143103	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	142736	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63852	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35715	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
7) Chloroethane-d5	1.57	69	38889	15.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.44%
10) 1,1-Dichloroethene-d2	2.12	63	81253	18.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.52%
20) 2-Butanone-d5	3.93	46	31104	52.99	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.98%
24) Chloroform-d	4.40	84	71292	20.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.64%
26) 1,2-Dichloroethane-d4	5.08	65	54374	28.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.16%
29) Benzene-d6	5.10	84	177460	25.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.40%
33) 1,2-Dichloropropane-d6	6.12	67	56419	27.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.16%
37) Toluene-d8	7.36	98	169731	24.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.52%
38) trans-1,3-Dichloropropene-	7.66	79	23354	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.40%
39) 2-Hexanone-d5	8.13	63	22114	45.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56233	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	59605	25.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.28%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	2.13	101	2154	0.542 ug/L #	59
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2154	0.969 ug/L #	74
12) 1,1-Dichloroethene	2.14	96	4823	2.535 ug/L #	1
13) Acetone	2.18	43	513	0.860 ug/L	86
16) Methylene chloride	2.53	84	3863	2.057 ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	23525	12.194 ug/L	94
25) Chloroform	4.43	83	17509	5.210 ug/L	94
27) 1,2-Dichloroethane	5.10	62	1100	0.471 ug/L #	77
35) Trichloroethene	5.96	95	21528	10.157 ug/L	97
40) 1,2-Dichloropropane	6.12	63	6354	3.341 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	2299	0.779 ug/L #	82
45) trans-1,3-Dichloropropene	7.66	75	1338	0.519 ug/L	100
46) 1,1,2-Trichloroethane	8.03	97	43769	27.703 ug/L #	24
47) Tetrachloroethene	8.03	164	4444586	2764.626 ug/L	95
50) Dibromochloromethane	8.03	129	4298264	2247.152 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	8617	5.358 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030719\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration

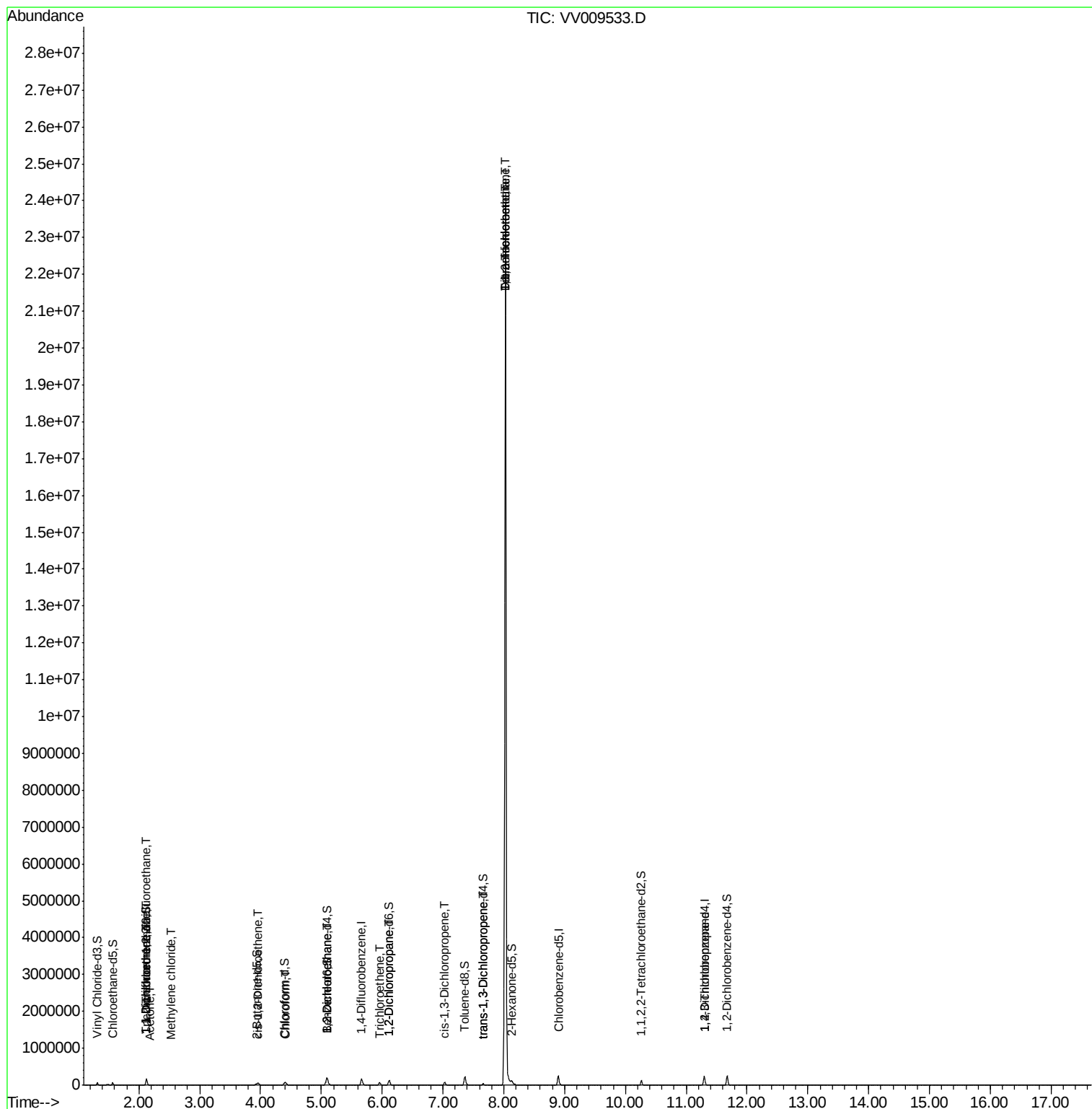
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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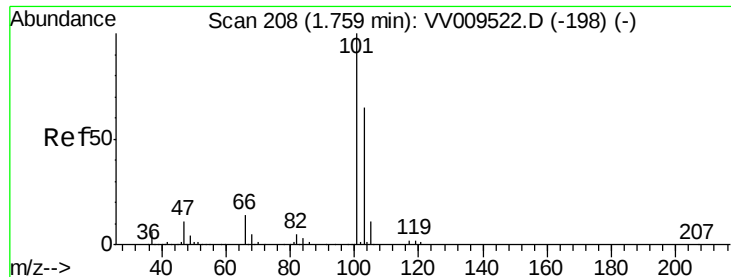
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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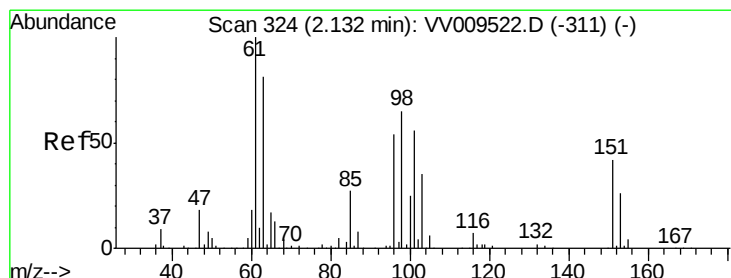
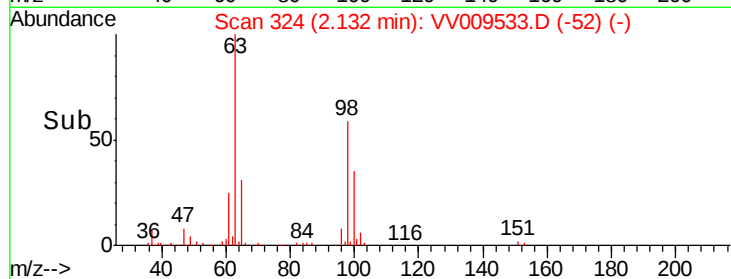
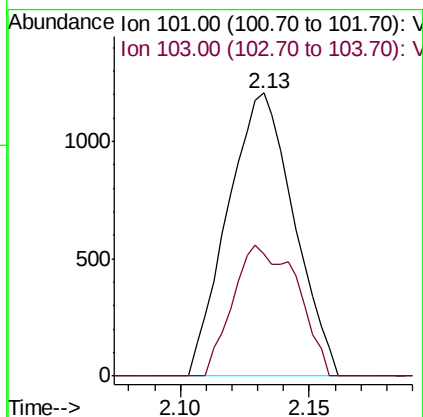
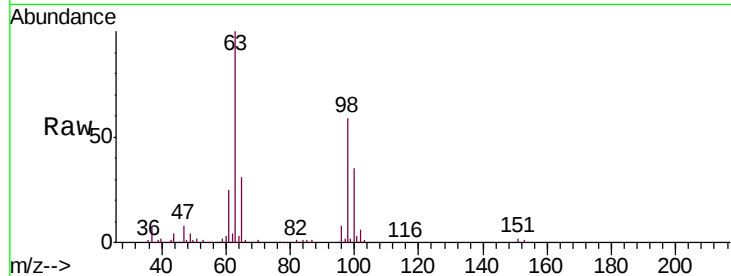


#9

Trichlorofluoromethane
 Concen: 0.542 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. 0.37 min
 Lab File: VV009533.D
 Acq: 07 Mar 2019 16:59

Instrument :
 MSVOA_V
 ClientSampled :
 BF0P0

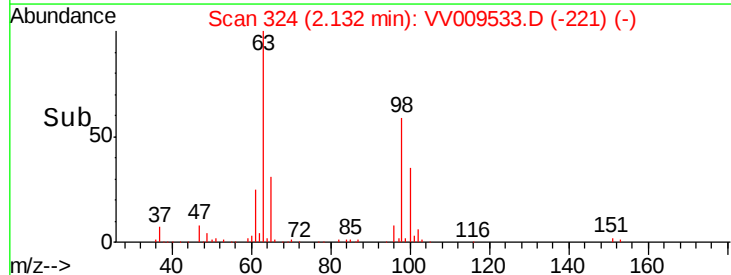
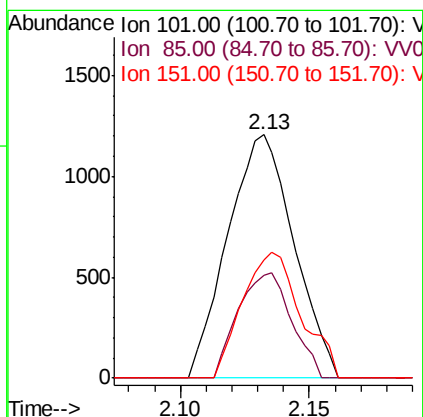
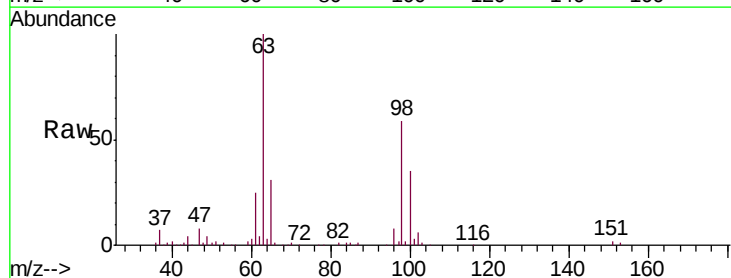
Tgt Ion:101 Resp: 2154
 Ion Ratio Lower Upper
 101 100
 103 31.7 44.7 83.1#

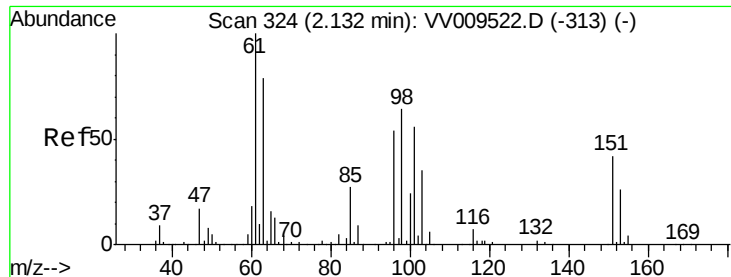


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.969 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV009533.D
 Acq: 07 Mar 2019 16:59

Tgt Ion:101 Resp: 2154
 Ion Ratio Lower Upper
 101 100
 85 35.1 40.1 60.1#
 151 45.9 55.9 83.9#





#12

1,1-Dichloroethene

Concen: 2.535 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009533.D

Acq: 07 Mar 2019 16:59

Instrument :
MSVOA_V
ClientSampled :
BF0P0

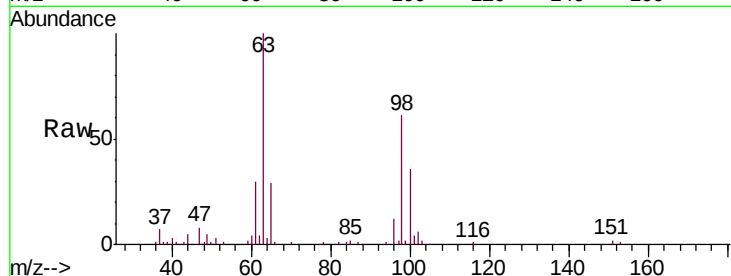
Tgt Ion: 96 Resp: 4823

Ion Ratio Lower Upper

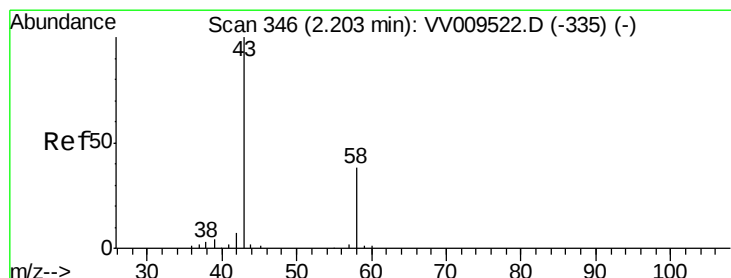
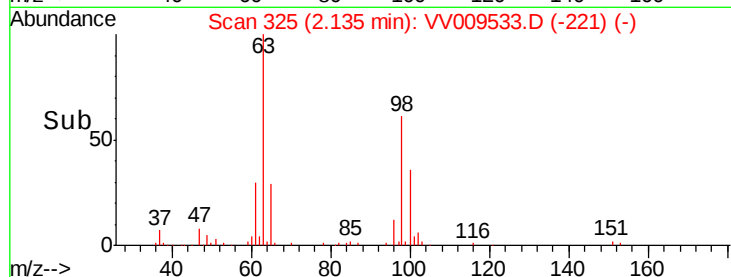
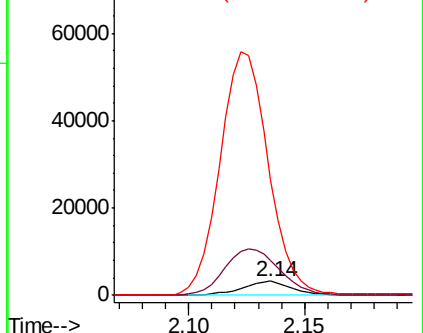
96 100

61 247.7 136.9 254.3

63 822.8 108.7 201.9#



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: 0.860 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV009533.D

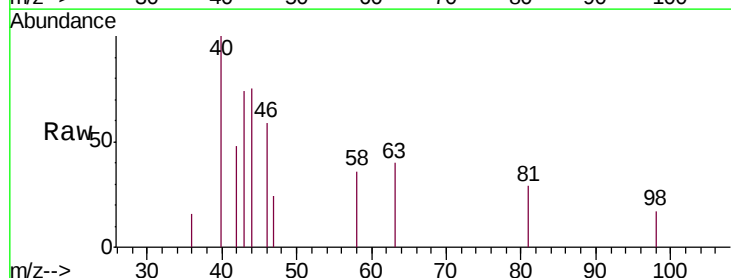
Acq: 07 Mar 2019 16:59

Tgt Ion: 43 Resp: 513

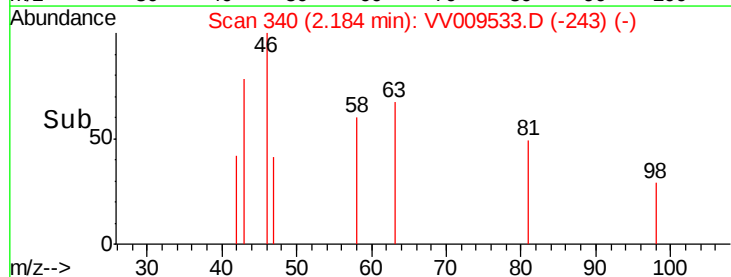
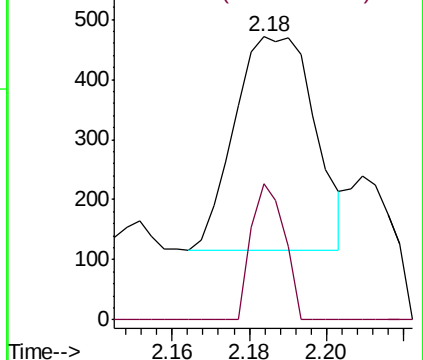
Ion Ratio Lower Upper

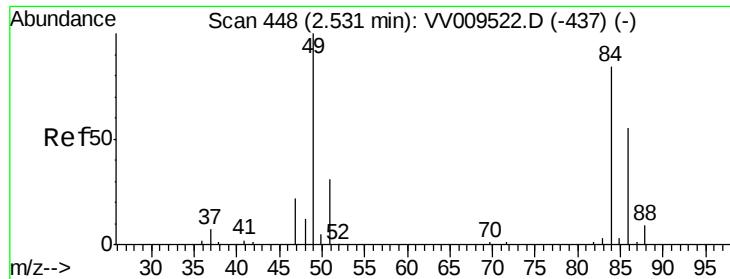
43 100

58 26.5 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0

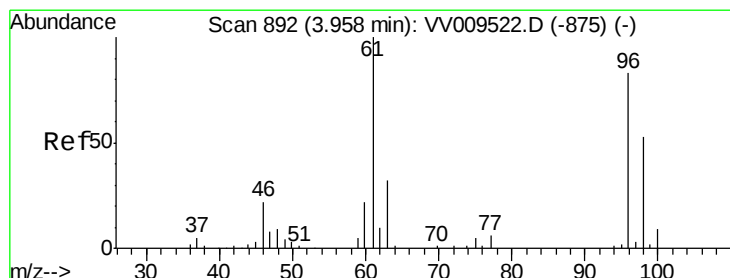
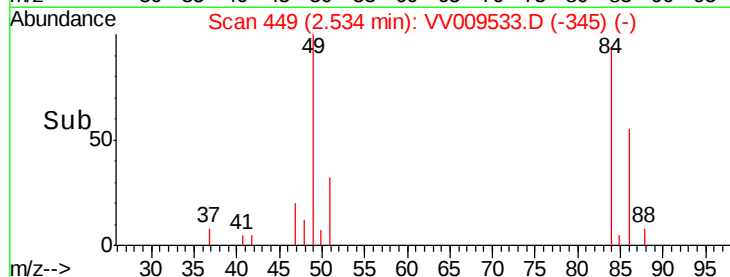
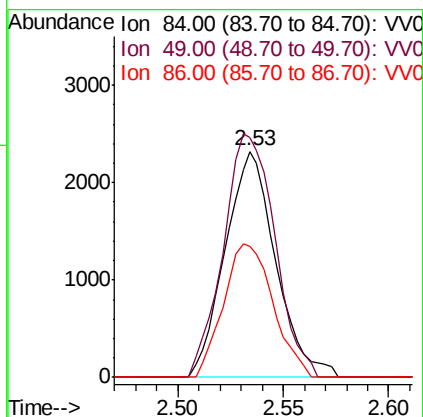
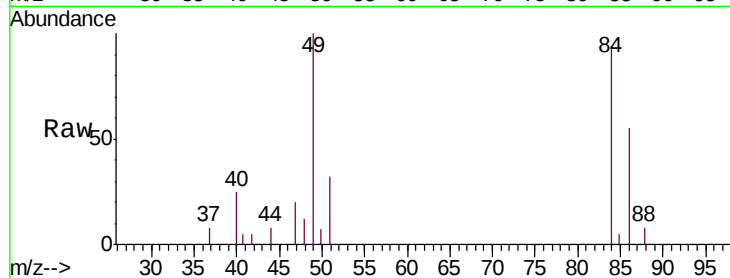




#16
Methylene chloride
Concen: 2.057 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009533.D
Acq: 07 Mar 2019 16:59

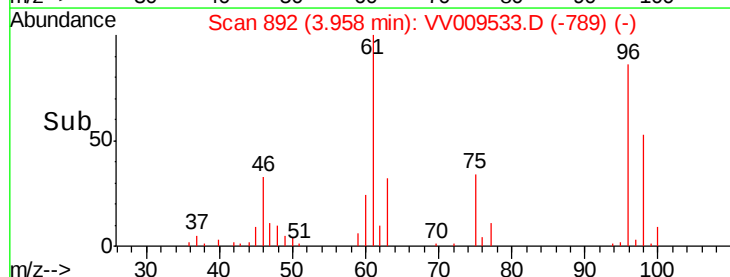
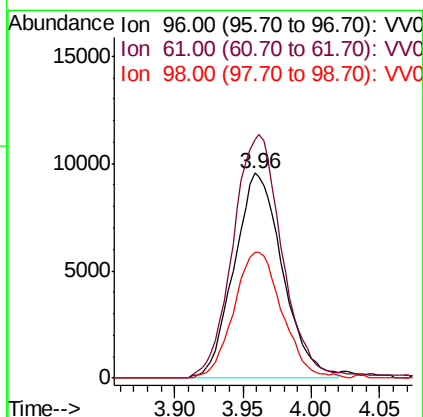
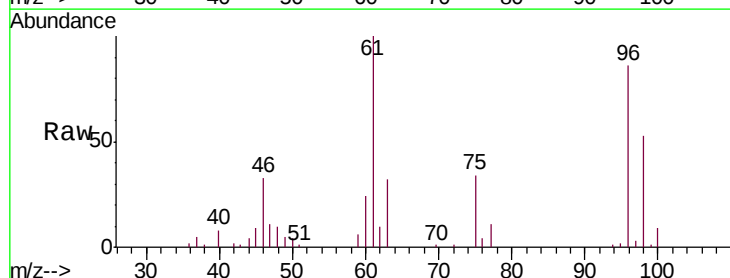
Instrument :
MSVOA_V
ClientSampleId :
BF0P0

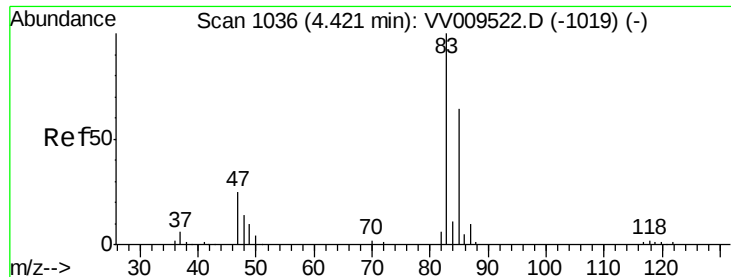
Tgt Ion: 84 Resp: 3863
Ion Ratio Lower Upper
84 100
49 106.2 84.6 157.0
86 58.0 46.1 85.7



#22
cis-1,2-Dichloroethene
Concen: 12.194 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV009533.D
Acq: 07 Mar 2019 16:59

Tgt Ion: 96 Resp: 23525
Ion Ratio Lower Upper
96 100
61 116.6 87.2 161.9
98 61.3 44.6 82.8

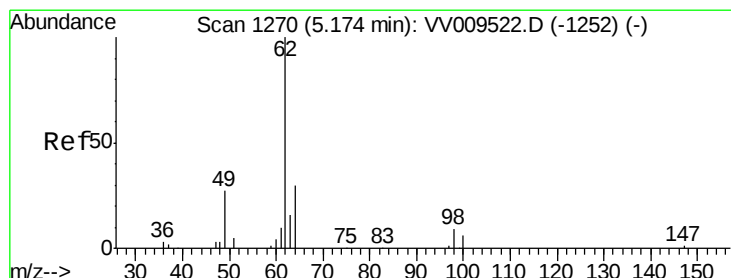
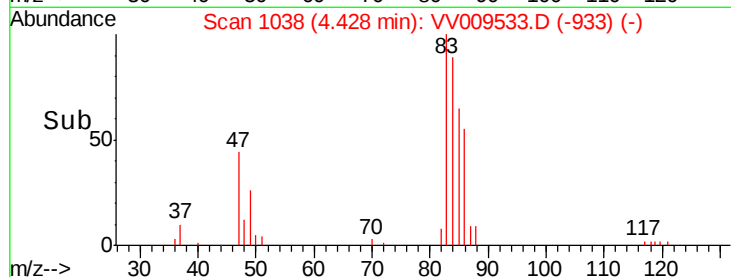
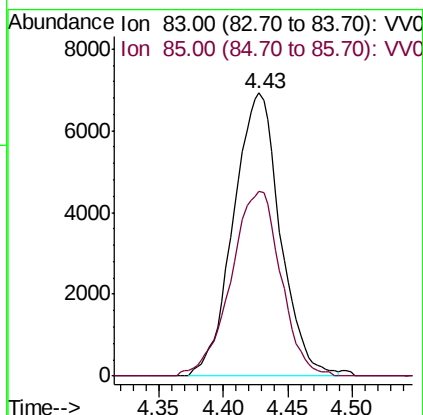
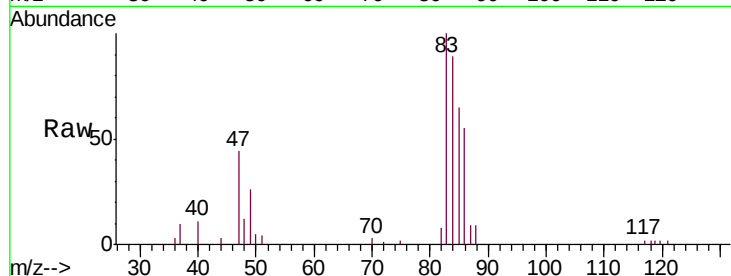




#25
Chloroform
Concen: 5.210 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV009533.D
Acq: 07 Mar 2019 16:59

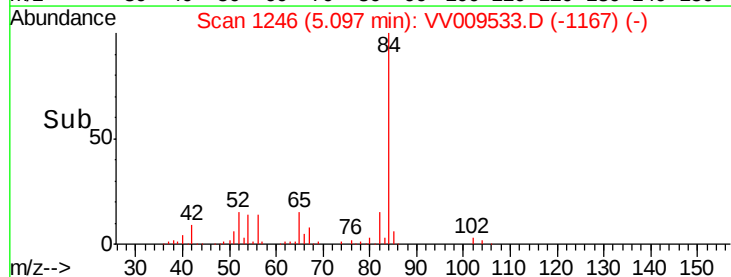
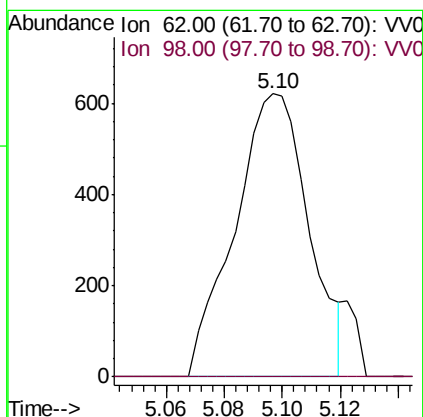
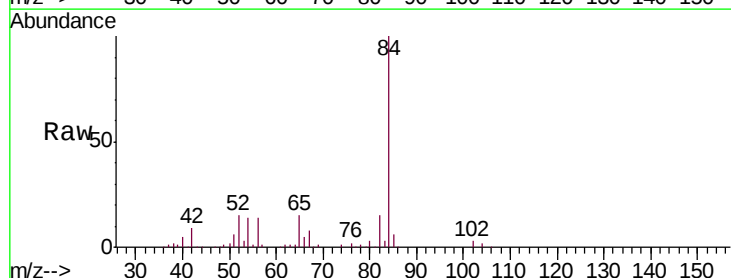
Instrument :
MSVOA_V
ClientSampleId :
BF0P0

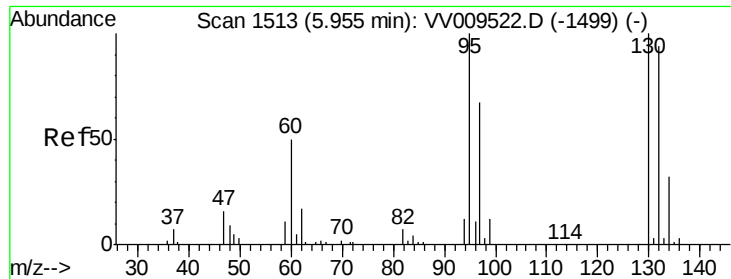
Tgt Ion: 83 Resp: 17509
Ion Ratio Lower Upper
83 100
85 69.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 0.471 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV009533.D
Acq: 07 Mar 2019 16:59

Tgt Ion: 62 Resp: 1100
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

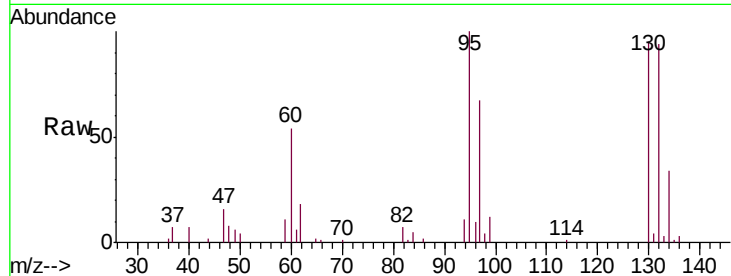




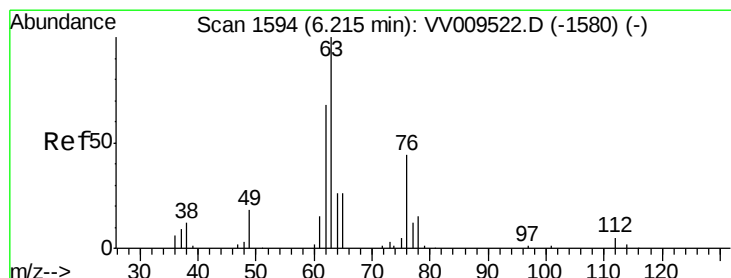
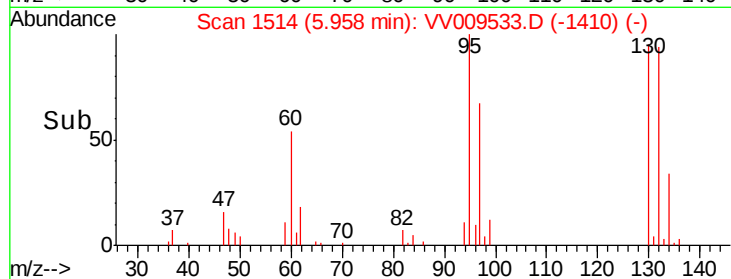
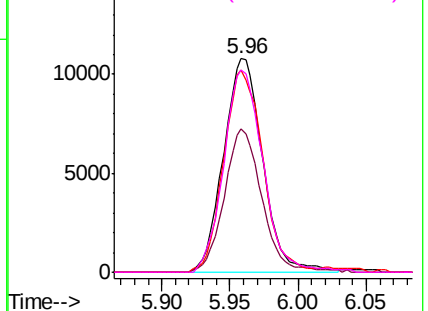
#35
 Trichloroethene
 Concen: 10.157 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009533.D
 Acq: 07 Mar 2019 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P0

Tgt Ion: 95 Resp: 21528
 Ion Ratio Lower Upper
 95 100
 97 63.0 44.3 82.3
 132 94.1 64.4 119.6
 130 94.5 69.4 128.8

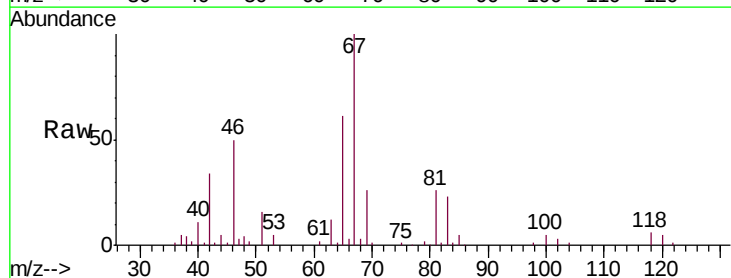


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

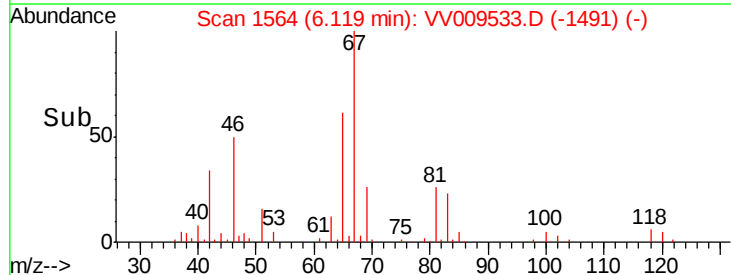
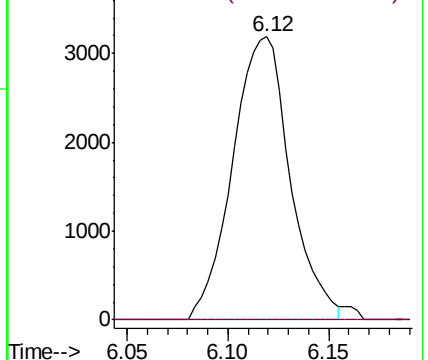


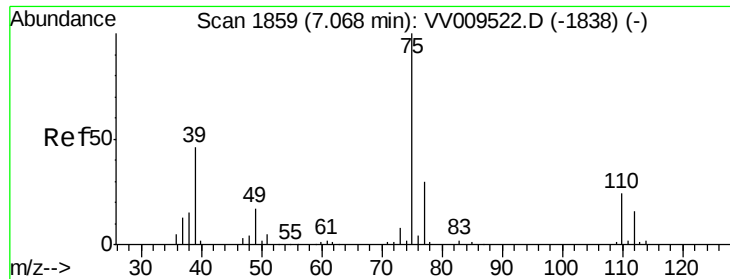
#40
 1,2-Dichloropropane
 Concen: 3.341 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009533.D
 Acq: 07 Mar 2019 16:59

Tgt Ion: 63 Resp: 6354
 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

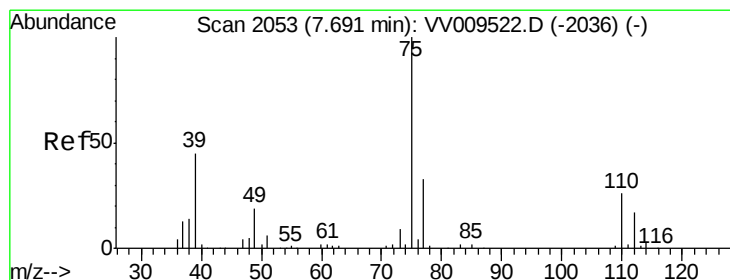
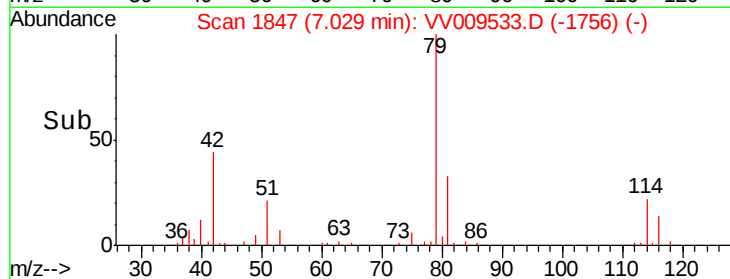
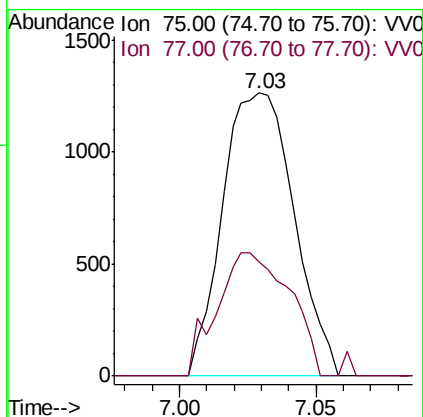
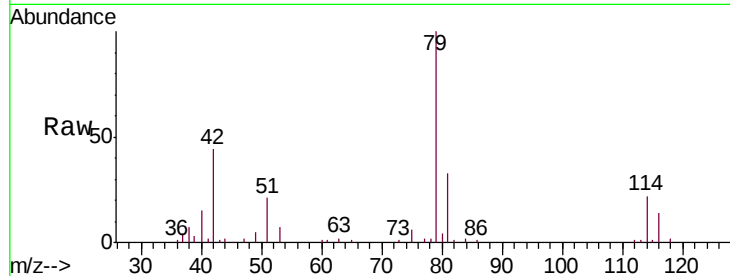




#42
 cis-1,3-Dichloropropene
 Concen: 0.779 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009533.D
 Acq: 07 Mar 2019 16:59

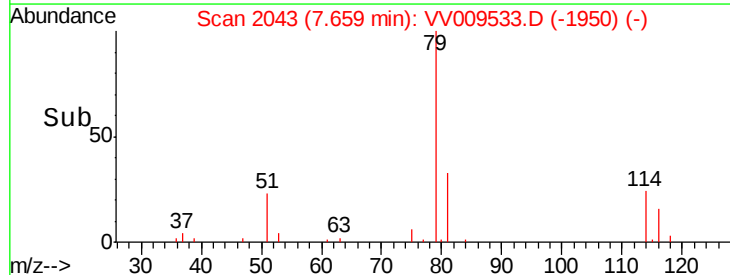
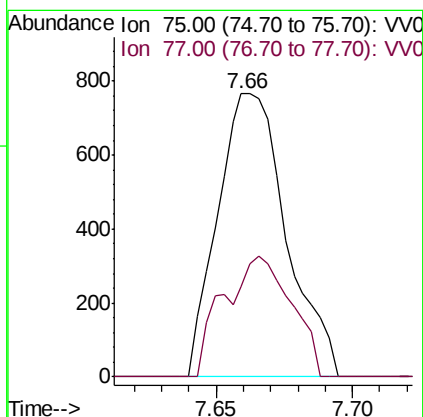
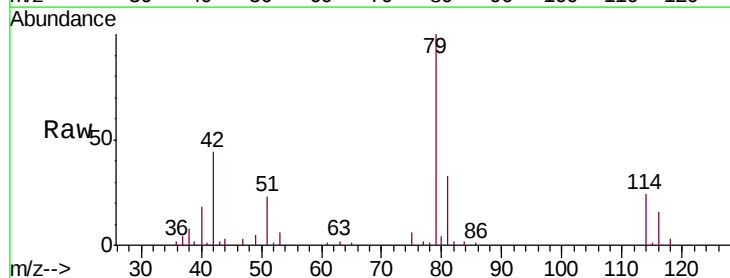
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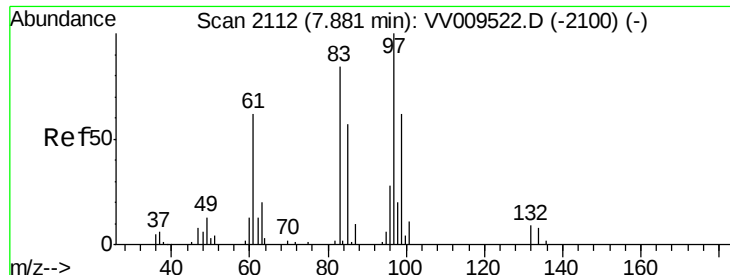
Tgt Ion: 75 Resp: 2299
 Ion Ratio Lower Upper
 75 100
 77 40.6 21.4 39.8#



#45
 trans-1,3-Dichloropropene
 Concen: 0.519 ug/L
 RT: 7.66 min Scan# 2043
 Delta R.T. -0.03 min
 Lab File: VV009533.D
 Acq: 07 Mar 2019 16:59

Tgt Ion: 75 Resp: 1338
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.7

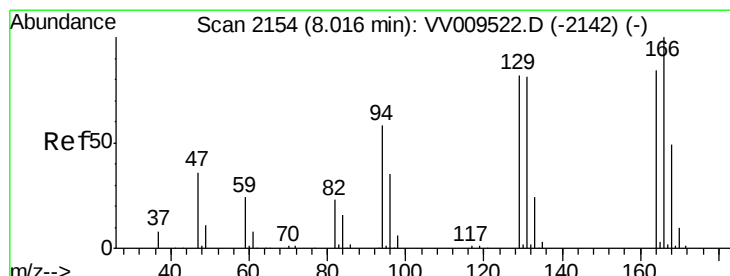
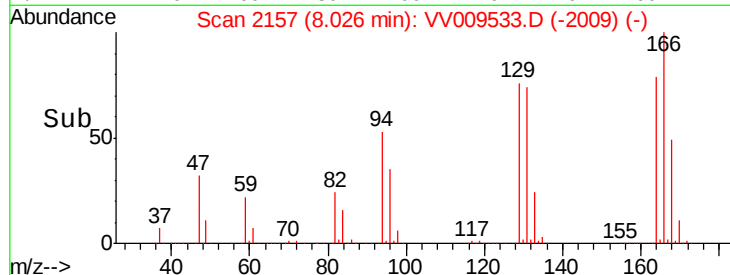
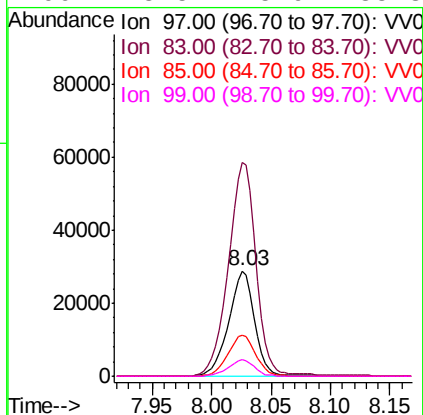
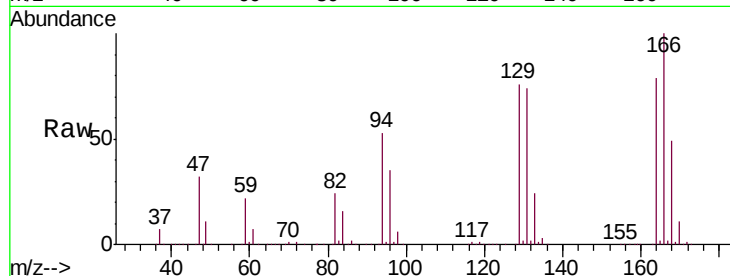




#46
 1,1,2-Trichloroethane
 Concen: 27.703 ug/L
 RT: 8.03 min Scan# 2157
 Delta R.T. 0.14 min
 Lab File: VV009533.D
 Acq: 07 Mar 2019 16:59

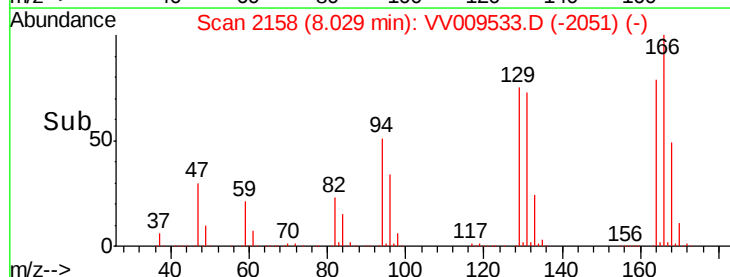
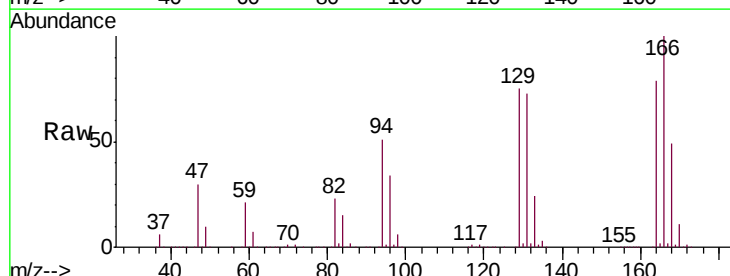
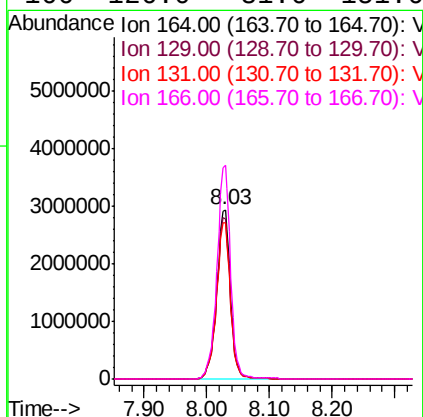
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P0

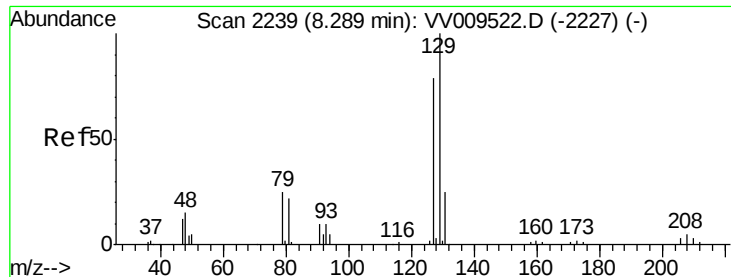
Tgt Ion: 97 Resp: 43769
 Ion Ratio Lower Upper
 97 100
 83 202.4 63.8 118.6#
 85 39.0 39.5 73.4#
 99 15.5 45.9 85.3#



#47
 Tetrachloroethene
 Concen: 2764.626 ug/L
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: VV009533.D
 Acq: 07 Mar 2019 16:59

Tgt Ion: 164 Resp: 4444586
 Ion Ratio Lower Upper
 164 100
 129 94.3 67.7 125.7
 131 91.9 67.5 125.3
 166 126.0 81.6 151.6





#50

Dibromochloromethane

Concen: 2247.152 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. -0.26 min

Lab File: VV009533.D

Acq: 07 Mar 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

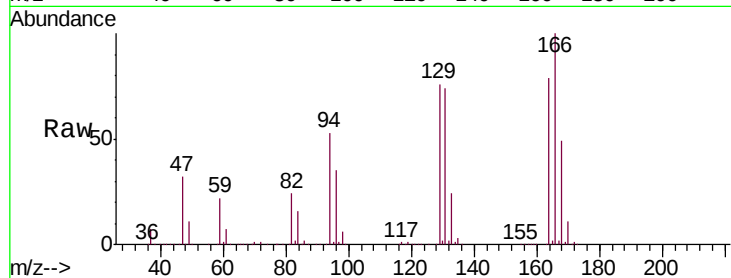
BF0P0

Tgt Ion:129 Resp: 4298264

Ion Ratio Lower Upper

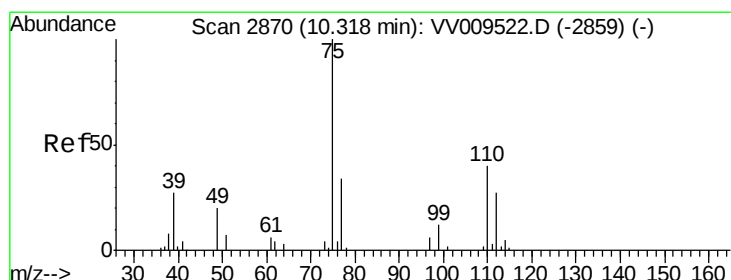
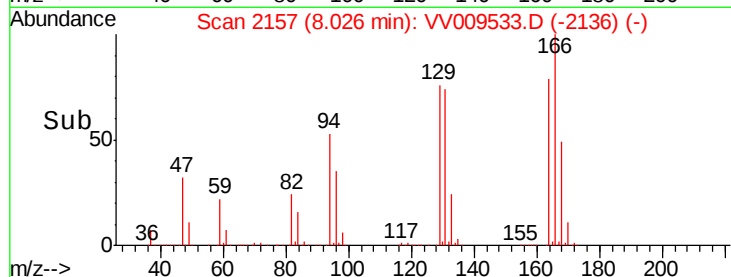
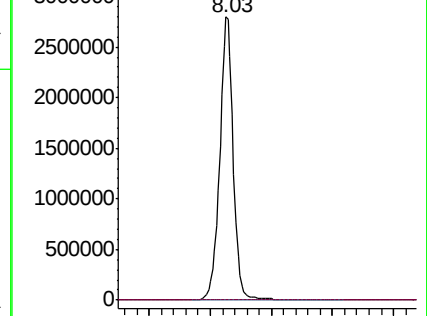
129 100

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: 5.358 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009533.D

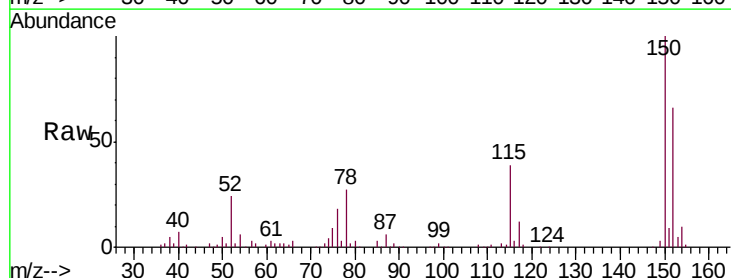
Acq: 07 Mar 2019 16:59

Tgt Ion: 75 Resp: 8617

Ion Ratio Lower Upper

75 100

77 35.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

