

Data File : VV012569.D
Acq On : 04 Sep 2019 15:45
Operator : SY/MD
Sample : K4685-02
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD71

Quant Time: Sep 05 01:31:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	131105	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	138037	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	47877	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51945	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.58	69	60236	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.13	63	97051	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	3.94	46	124418	51.28	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.56%
24) Chloroform-d	4.40	84	94571	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.08	65	56193	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.10	84	179920	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.12	67	60289	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.36	98	139852	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	7.67	79	18366	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.13	63	82385	49.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45691	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	45183	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1504	0.082	ug/L #	39
12) 1,1-Dichloroethene	2.14	96	2102	0.124	ug/L #	1
13) Acetone	2.19	43	15957	4.635	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	4097	0.142	ug/L #	77
19) 1,1-Dichloroethane	3.23	63	7241	0.277	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	61258	4.371	ug/L	97
25) Chloroform	4.43	83	6571	0.240	ug/L	83
34) Trichloroethene	5.96	95	59436	3.785	ug/L	98
35) Methylcyclohexane	6.12	83	14117	0.591	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	7514	0.495	ug/L #	91
44) trans-1,3-Dichloropropene	7.66	75	1212	0.078	ug/L	97
45) 1,1,2-Trichloroethane	8.02	97	7032	0.733	ug/L #	1
47) Tetrachloroethene	8.02	164	657465	57.940	ug/L	95
48) 2-Hexanone	8.18	43	10327	1.672	ug/L #	74
49) Dibromochloromethane	8.02	129	615778	55.160	ug/L #	10
63) 1,4-Dichlorobenzene	11.31	146	1573	0.074	ug/L #	84
68) 1,2,4-trichlorobenzene	13.31	180	1926	0.175	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090419\
Quantitation Report (Not Reviewed)

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QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration

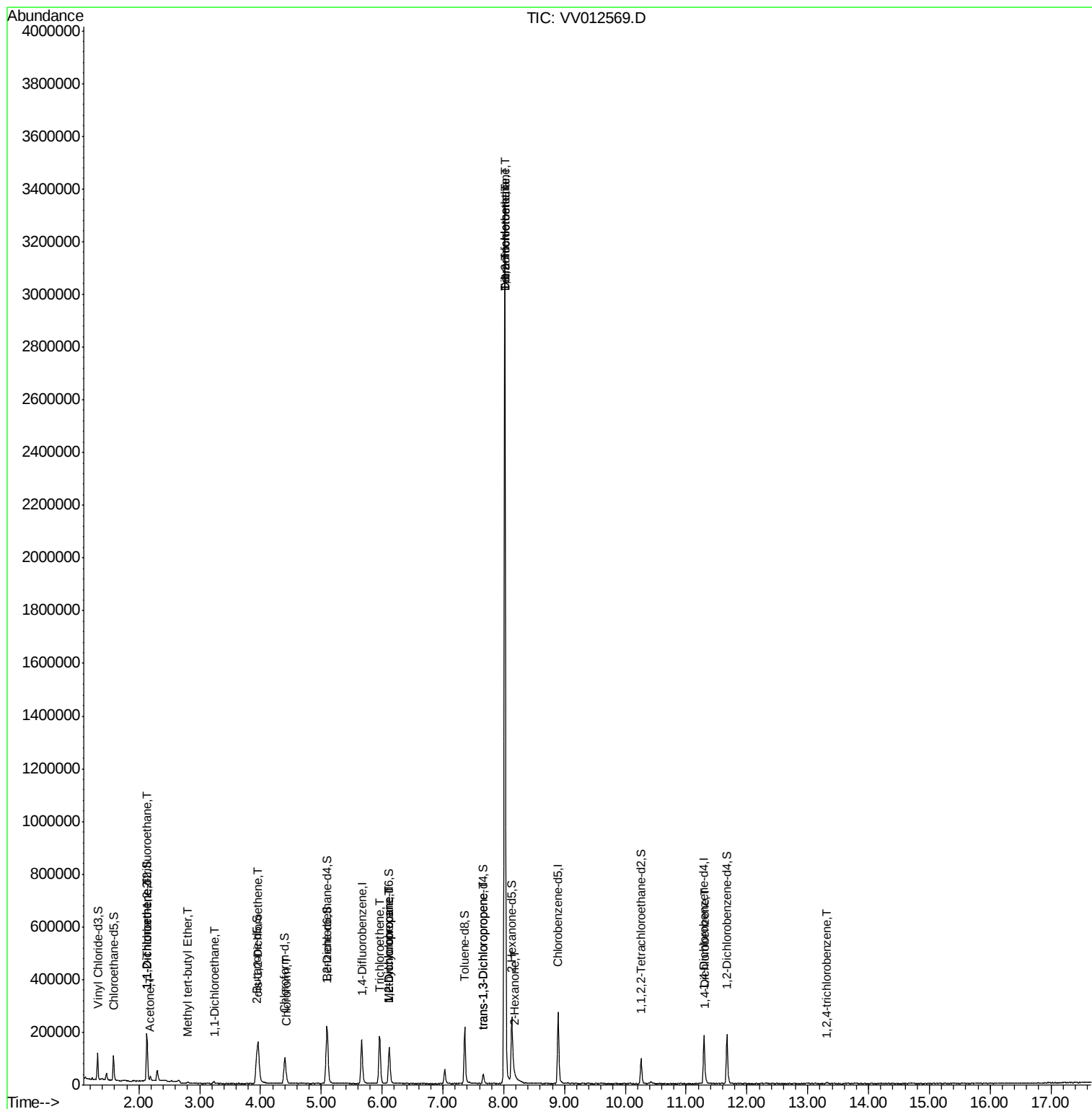
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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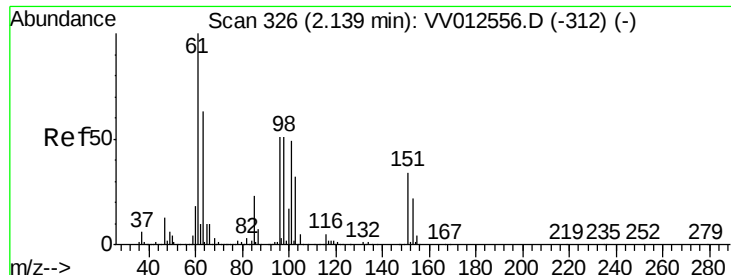
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.082 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

Instrument :

MSVOA_V

ClientSampled :

BFD71

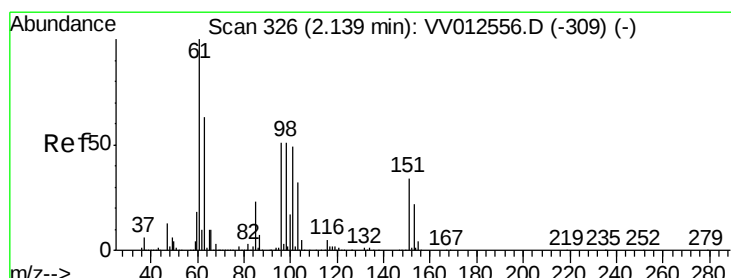
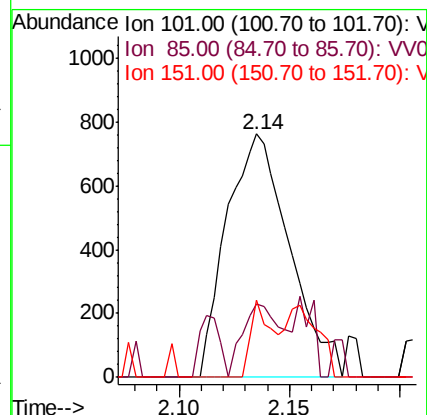
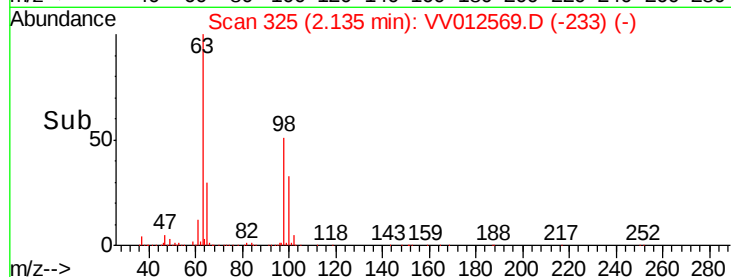
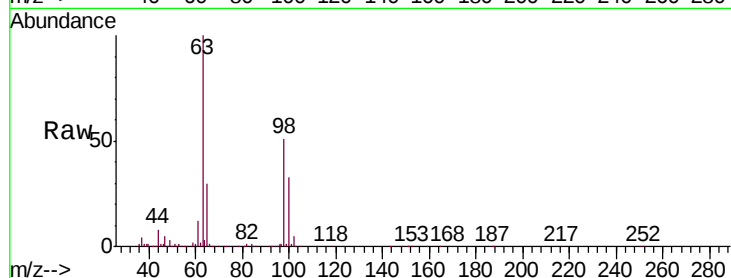
Tgt Ion: 101 Resp: 1504

Ion Ratio Lower Upper

101 100

85 17.6 37.4 56.0#

151 10.6 56.7 85.1#



#12

1,1-Dichloroethene

Concen: 0.124 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

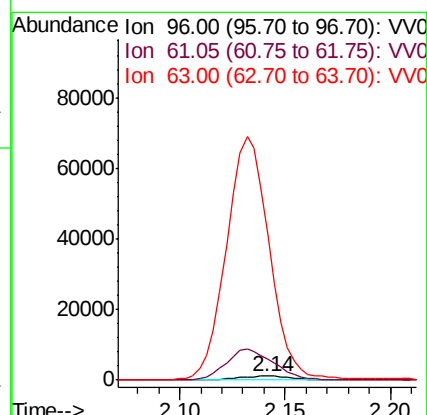
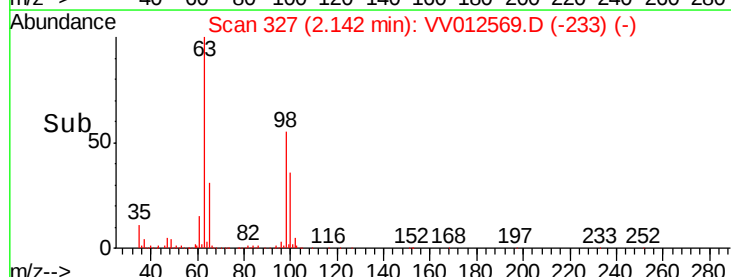
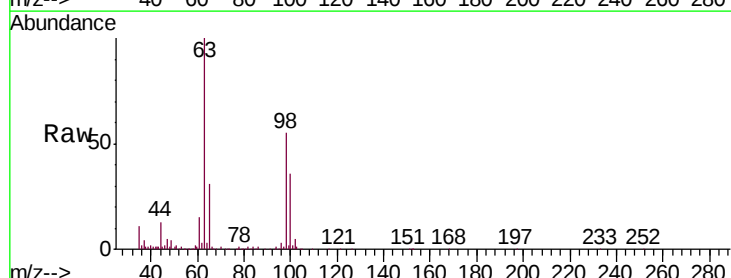
Tgt Ion: 96 Resp: 2102

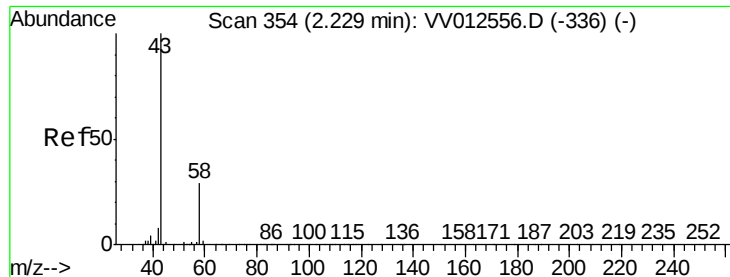
Ion Ratio Lower Upper

96 100

61 509.4 133.7 248.3#

63 3471.4 83.2 154.6#





#13

Acetone

Concen: 4.635 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

Instrument :

MSVOA_V

ClientSampleId :

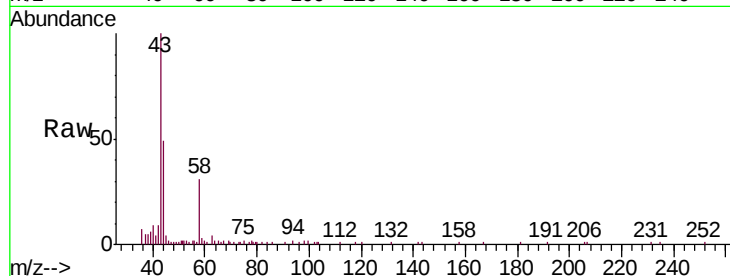
BFD71

Tgt Ion: 43 Resp: 15957

Ion Ratio Lower Upper

43 100

58 32.1 0.0 58.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

12000

10000

8000

6000

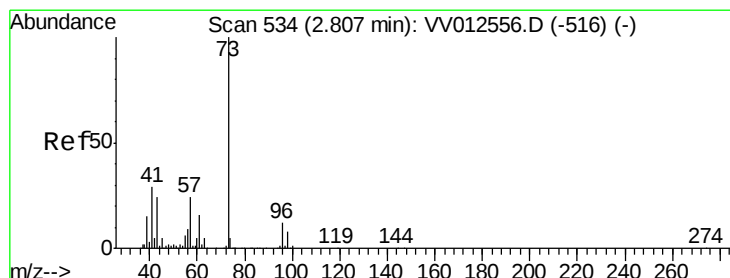
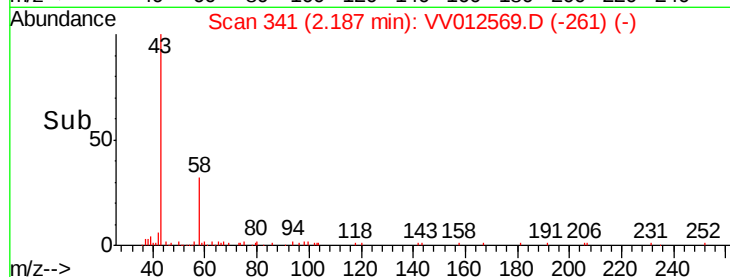
4000

2000

0

Time-->

2.15 2.20



#17

Methyl tert-butyl Ether

Concen: 0.142 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

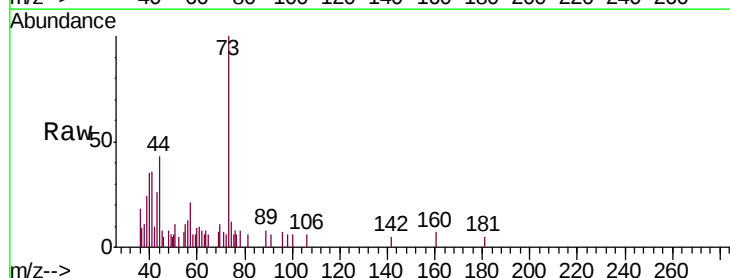
Tgt Ion: 73 Resp: 4097

Ion Ratio Lower Upper

73 100

43 40.2 18.9 28.3#

57 28.9 18.3 27.5#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

2.81

2500

2000

1500

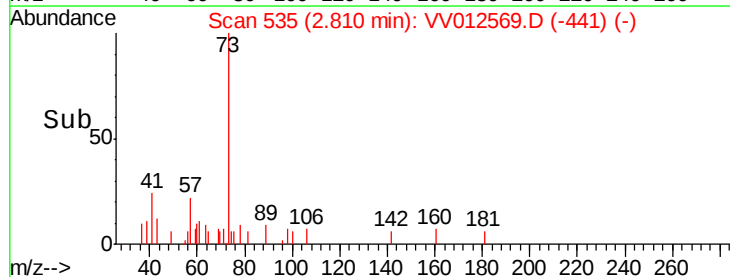
1000

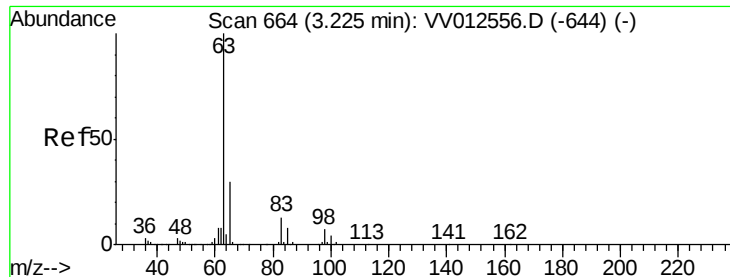
500

0

Time-->

2.75 2.80 2.85

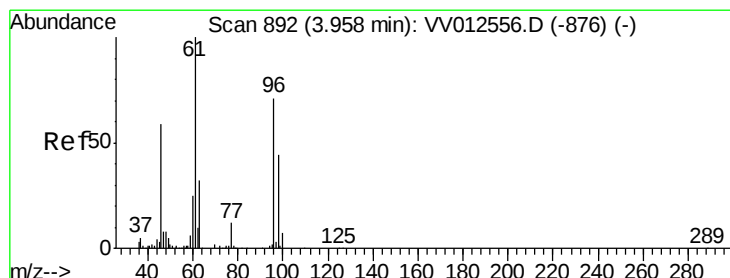
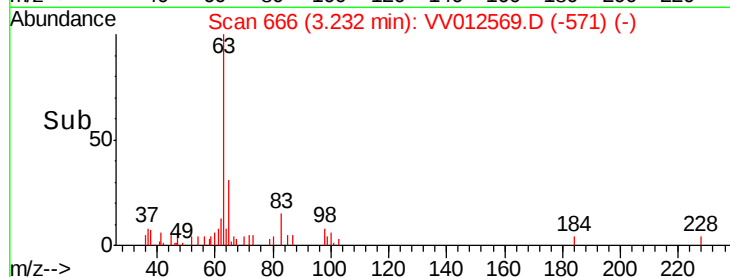
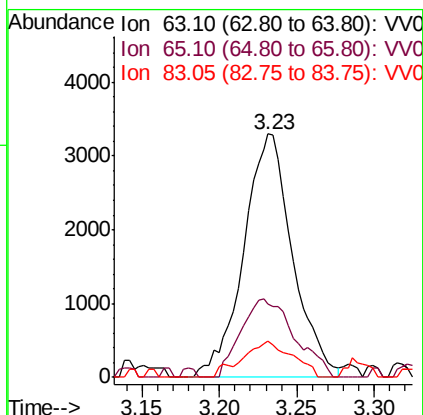
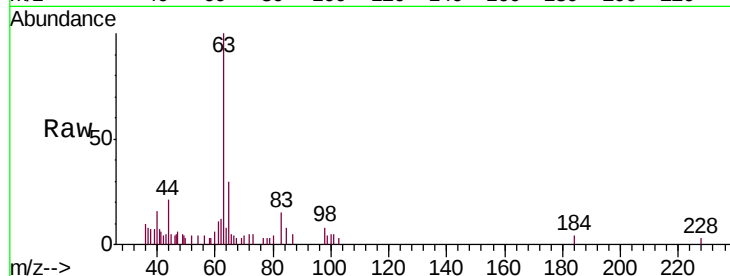




#19
 1,1-Dichloroethane
 Concen: 0.277 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV012569.D
 Acq: 04 Sep 2019 15:45

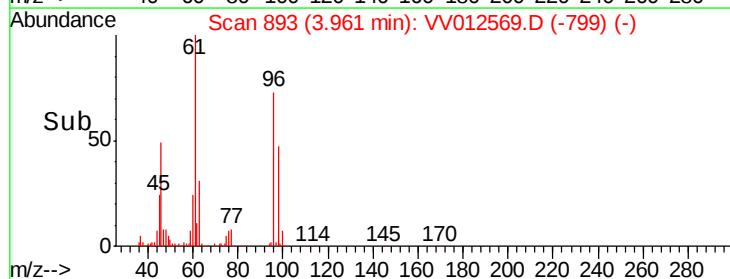
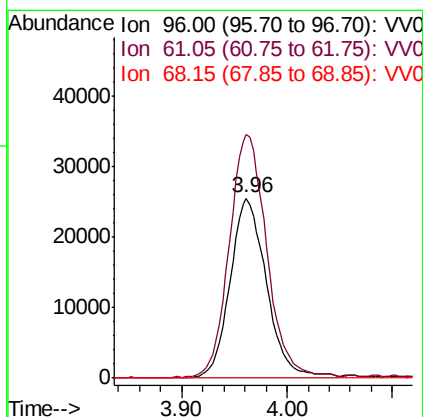
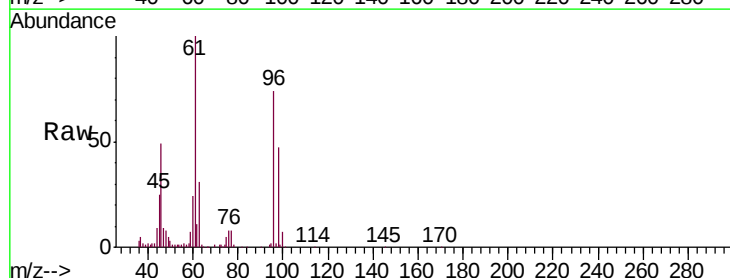
Instrument :
 MSVOA_V
 ClientSampleId :
 BFD71

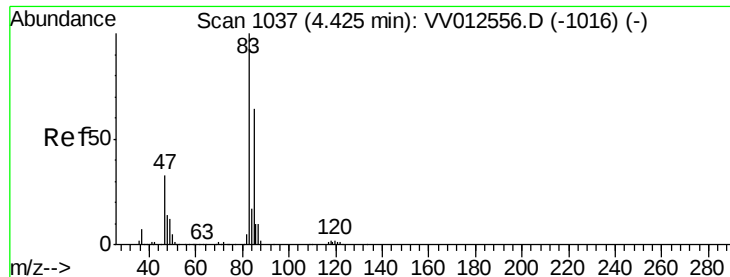
Tgt Ion: 63 Resp: 7241
 Ion Ratio Lower Upper
 63 100
 65 35.0 21.5 39.9
 83 14.7 9.1 16.9



#22
 cis-1,2-Dichloroethene
 Concen: 4.371 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012569.D
 Acq: 04 Sep 2019 15:45

Tgt Ion: 96 Resp: 61258
 Ion Ratio Lower Upper
 96 100
 61 135.5 97.5 181.1
 68 0.0 0.0 0.0

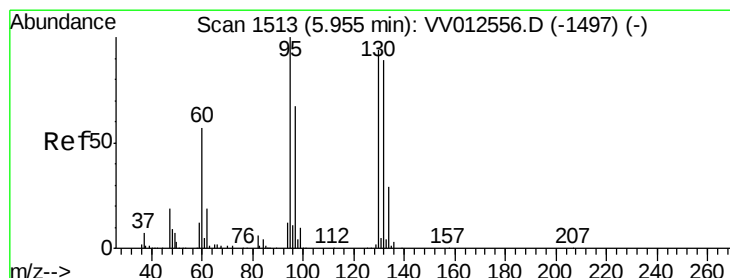
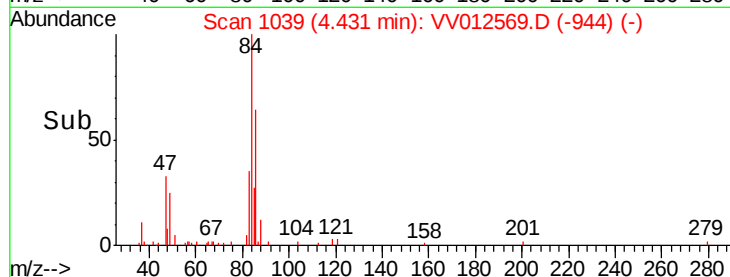
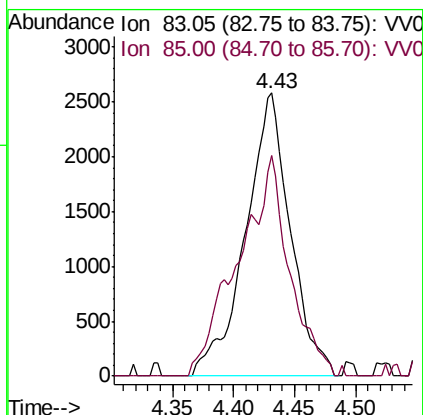
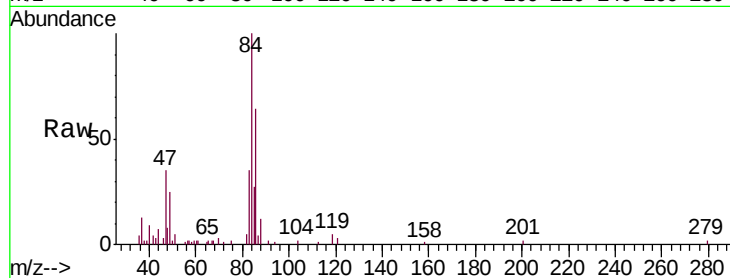




#25
Chloroform
Concen: 0.240 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV012569.D
Acq: 04 Sep 2019 15:45

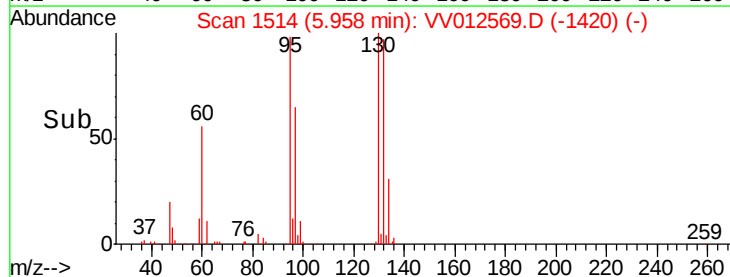
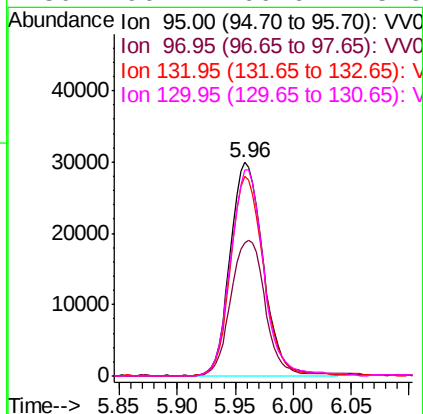
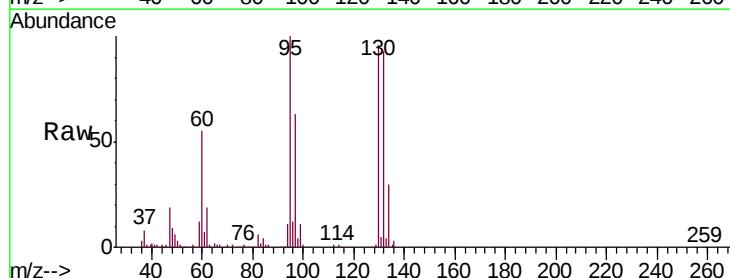
Instrument :
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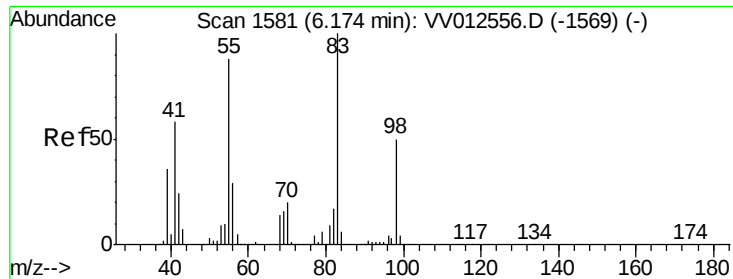
Tgt Ion: 83 Resp: 6571
Ion Ratio Lower Upper
83 100
85 77.9 45.1 83.9



#34
Trichloroethene
Concen: 3.785 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012569.D
Acq: 04 Sep 2019 15:45

Tgt Ion: 95 Resp: 59436
Ion Ratio Lower Upper
95 100
97 62.5 44.7 83.1
132 93.4 63.8 118.4
130 96.2 66.6 123.6

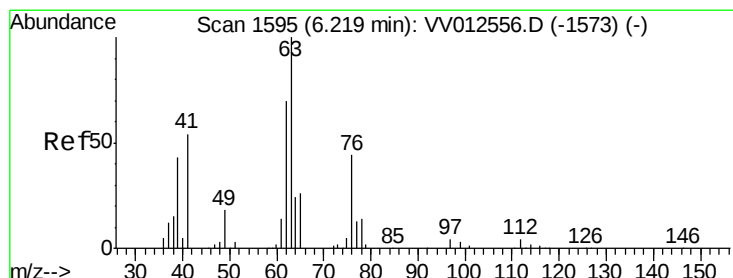
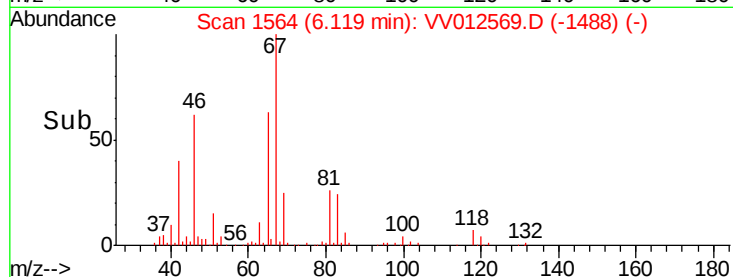
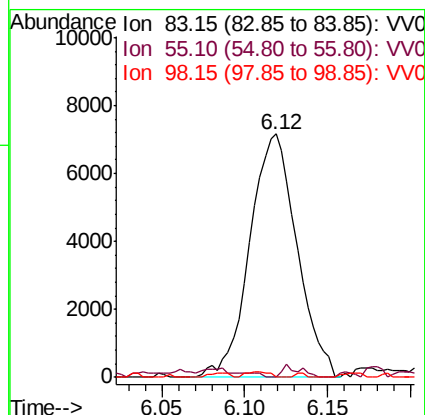
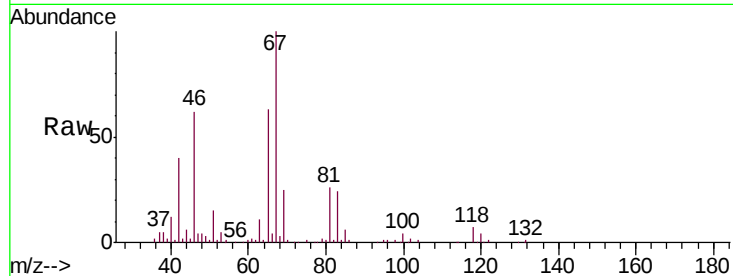




#35
Methylcyclohexane
Concen: 0.591 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV012569.D
Acq: 04 Sep 2019 15:45

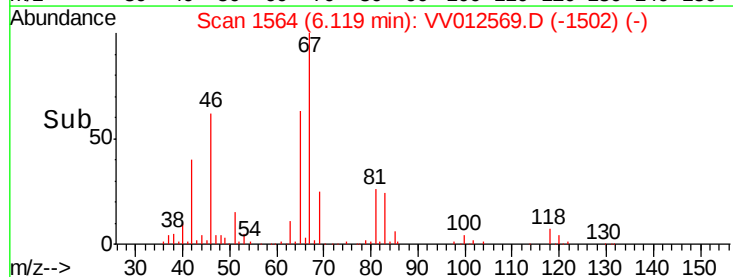
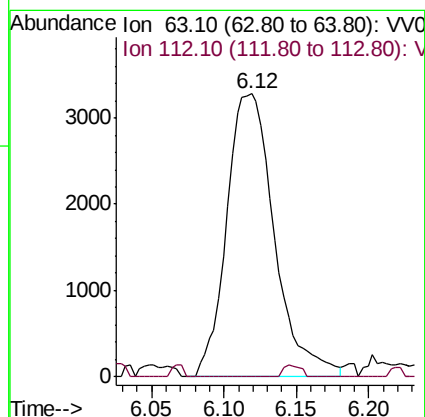
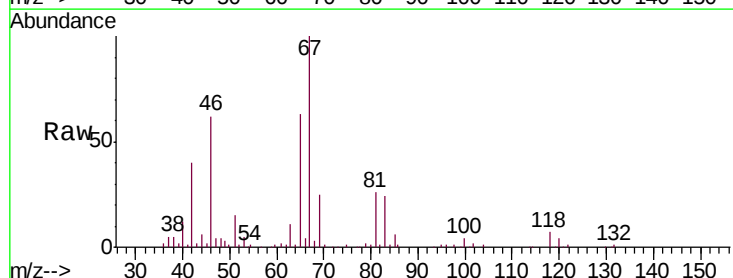
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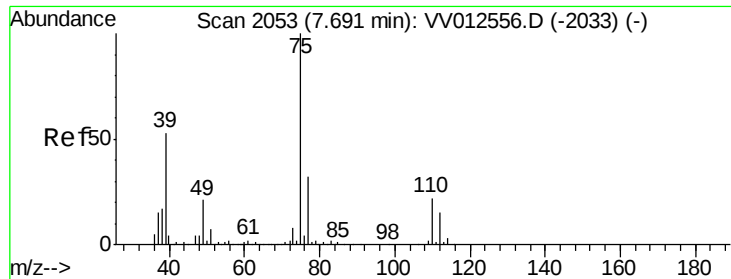
Tgt Ion: 83 Resp: 14117
Ion Ratio Lower Upper
83 100
55 1.9 67.3 100.9#
98 0.4 37.4 56.2#



#37
1,2-Dichloropropane
Concen: 0.495 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV012569.D
Acq: 04 Sep 2019 15:45

Tgt Ion: 63 Resp: 7514
Ion Ratio Lower Upper
63 100
112 1.5 3.5 5.3#





#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

Instrument :

MSVOA_V

ClientSampleId :

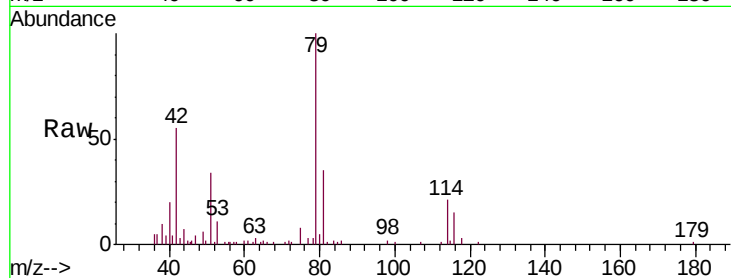
BFD71

Tgt Ion: 75 Resp: 1212

Ion Ratio Lower Upper

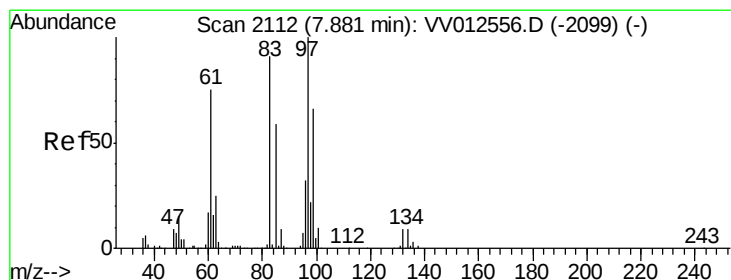
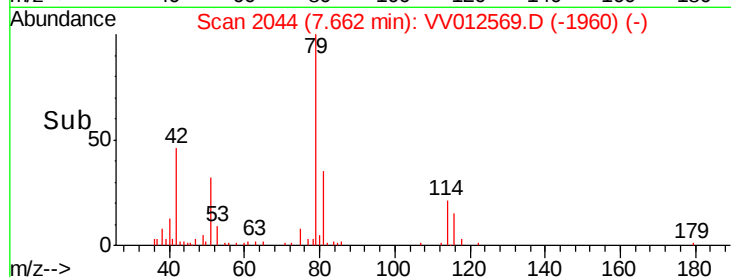
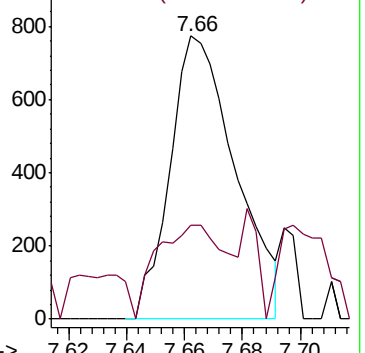
75 100

77 33.2 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#45

1,1,2-Trichloroethane

Concen: 0.733 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

Tgt Ion: 97 Resp: 7032

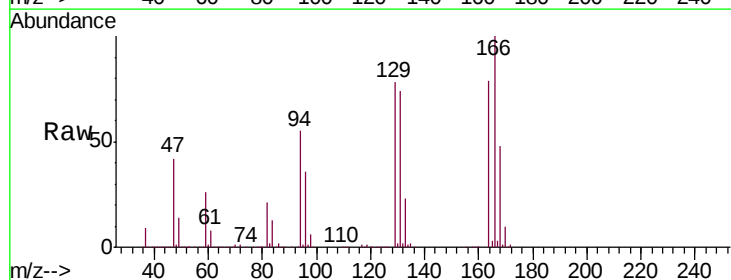
Ion Ratio Lower Upper

97 100

99 14.3 44.1 81.9#

83 263.0 62.7 116.5#

85 53.2 42.6 79.0

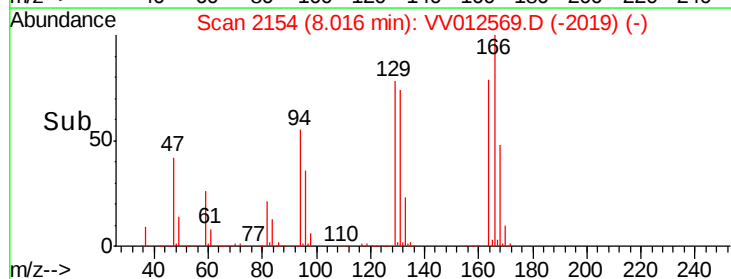
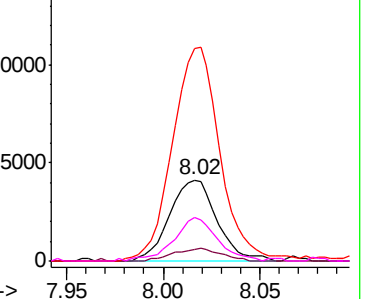


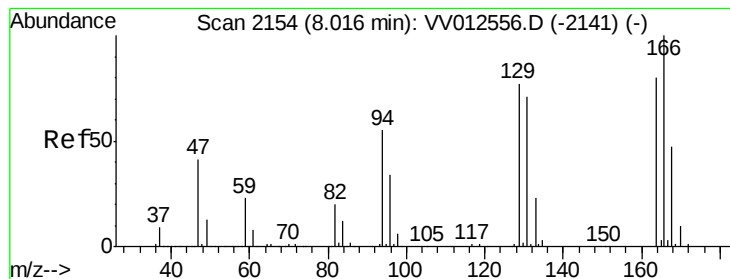
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#47

Tetrachloroethene

Concen: 57.940 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

Instrument :

MSVOA_V

ClientSampleId :

BFD71

Tgt Ion:164 Resp: 657465

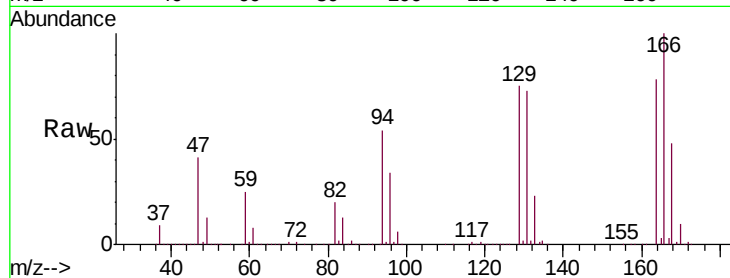
Ion Ratio Lower Upper

164 100

129 97.0 64.5 119.9

131 93.9 62.3 115.7

166 128.8 86.5 160.6

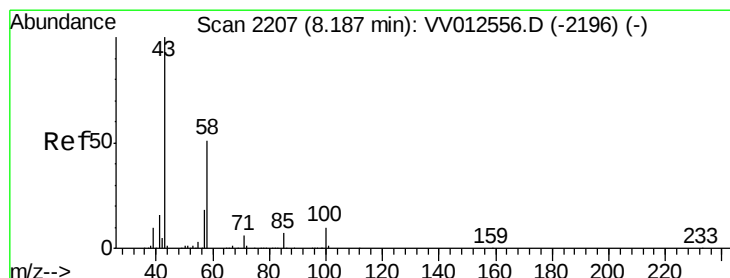
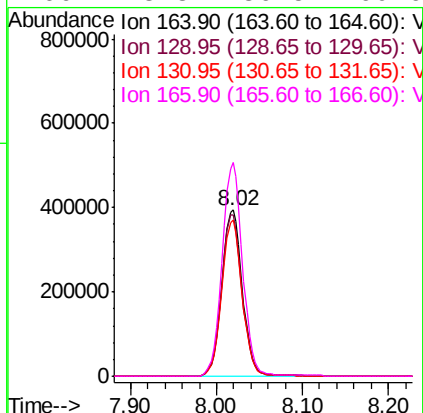
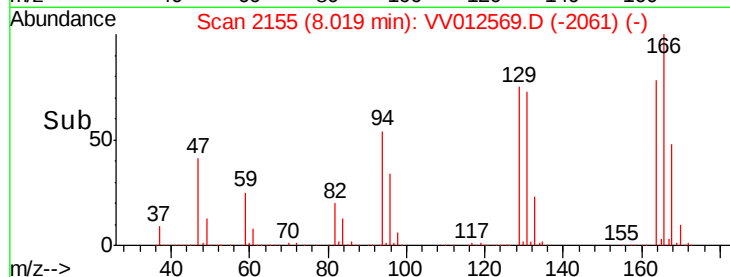


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.672 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

Tgt Ion: 43 Resp: 10327

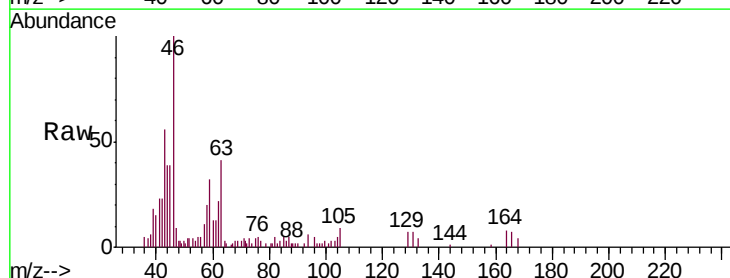
Ion Ratio Lower Upper

43 100

58 33.1 40.0 60.0#

57 1.8 13.4 20.2#

100 1.9 8.2 12.2#

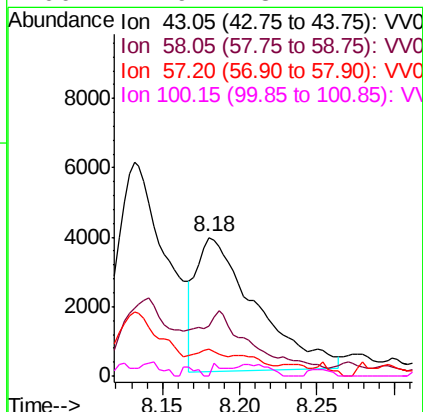
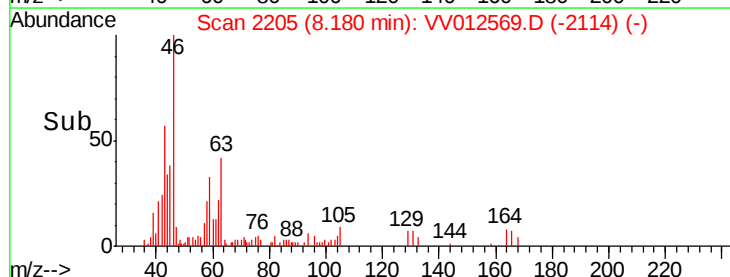


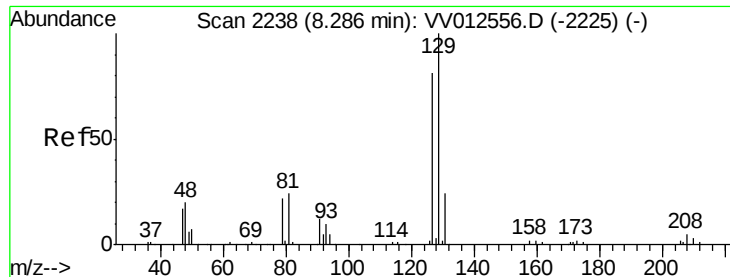
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 55.160 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

Instrument :

MSVOA_V

ClientSampleId :

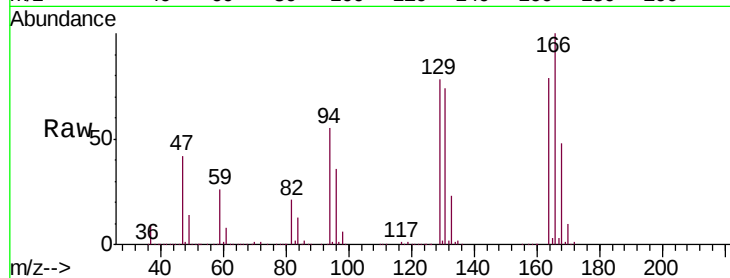
BFD71

Tgt Ion:129 Resp: 615778

Ion Ratio Lower Upper

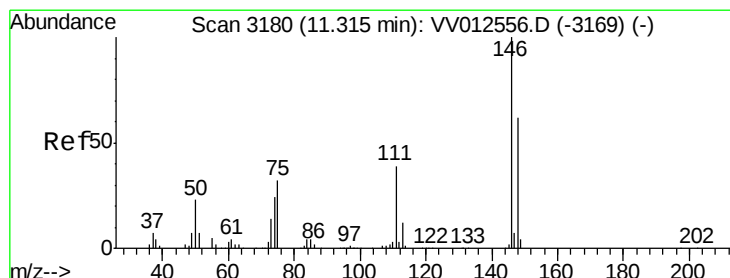
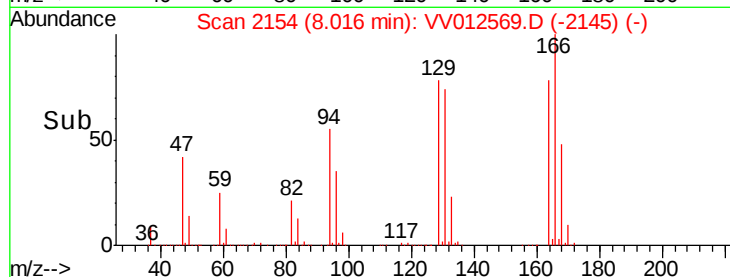
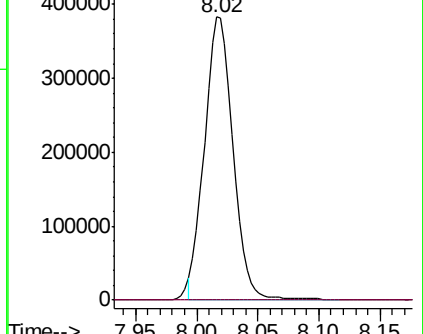
129 100

127 0.0 54.9 102.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#63

1,4-Dichlorobenzene

Concen: 0.074 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012569.D

Acq: 04 Sep 2019 15:45

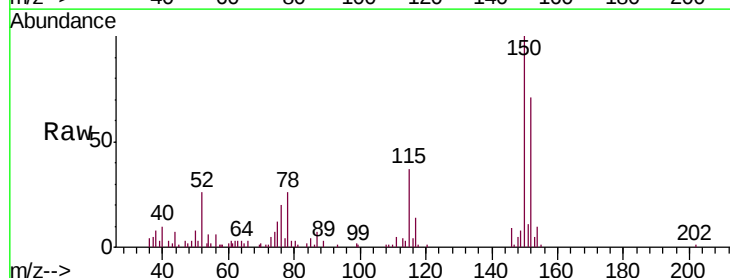
Tgt Ion:146 Resp: 1573

Ion Ratio Lower Upper

146 100

111 53.3 27.9 51.7#

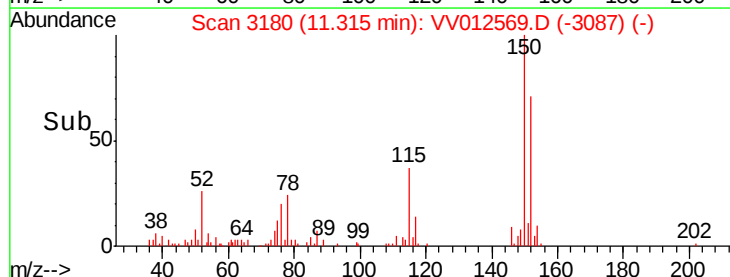
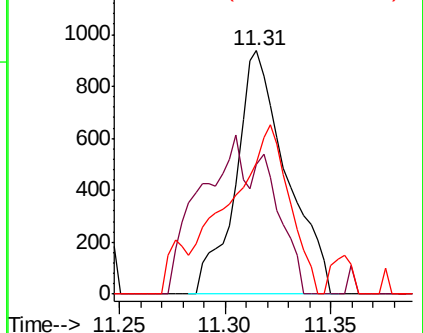
148 53.9 44.9 83.3

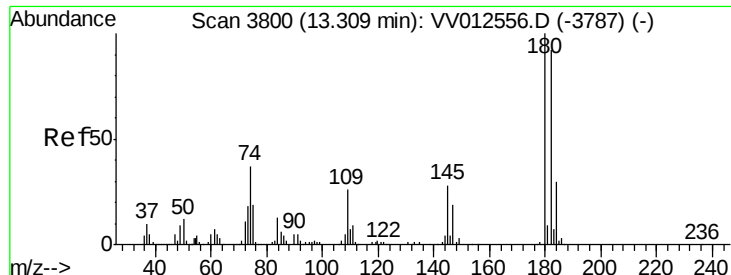


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

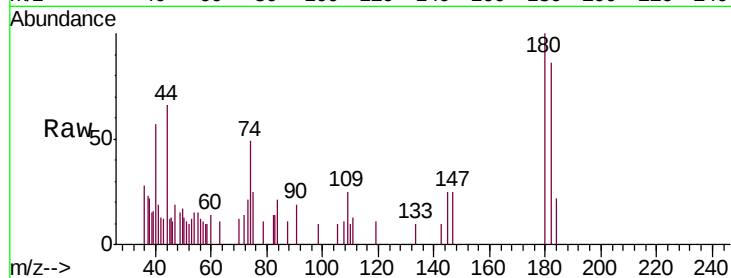




#68
 1,2,4-trichlorobenzene
 Concen: 0.175 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012569.D
 Acq: 04 Sep 2019 15:45

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD71

Tgt Ion:180 Resp: 1926
 Ion Ratio Lower Upper
 180 100
 182 88.9 75.8 113.6
 145 25.7 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

