

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017089.D
 Acq On : 24 Jun 2020 22:17
 Operator : SY/MD
 Sample : L3105-13
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL6

Quant Time: Jun 25 01:23:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:16:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	177508	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	171923	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36970	3.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.40%
7) Chloroethane-d5	1.58	69	31773	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.13	63	62598	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	3.93	46	120405	44.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.68%
24) Chloroform-d	4.38	84	100374	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.06	65	54961	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.07	84	188285	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.10	67	57311	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.34	98	171305	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
45) trans-1,3-Dichloropropene-	7.64	79	22559	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
48) 2-Hexanone-d5	8.11	63	85436	40.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.64%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	42172	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	69742	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	744	0.079	ug/L #	19
12) 1,1-Dichloroethene	2.14	96	4628	0.543	ug/L #	1
13) Acetone	2.22	43	11010	8.022	ug/L	94
18) trans-1,2-Dichloroethene	2.78	96	4085	0.453	ug/L	91
19) 1,1-Dichloroethane	3.21	63	143336	7.066	ug/L	98
21) 2-Butanone	4.11	43	752128	290.695	ug/L #	50
22) cis-1,2-Dichloroethene	3.94	96	254994	20.655	ug/L	99
25) Chloroform	4.40	83	11511	0.520	ug/L	89
27) 1,2-Dichloroethane	5.16	62	14739	1.071	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	7935	0.385	ug/L #	79
30) Cyclohexane	4.70	56	5916	0.302	ug/L	94
34) Trichloroethene	5.94	95	21008	1.593	ug/L	97
35) Methylcyclohexane	6.10	83	15144	0.739	ug/L #	20
37) 1,2-Dichloropropane	6.09	63	7680	0.689	ug/L #	84
46) trans-1,3-Dichloropropene	7.64	75	1356	0.095	ug/L	90
47) 1,1,2-Trichloroethane	7.86	97	11382	1.440	ug/L	95
49) Tetrachloroethene	8.00	164	1358	0.128	ug/L	87

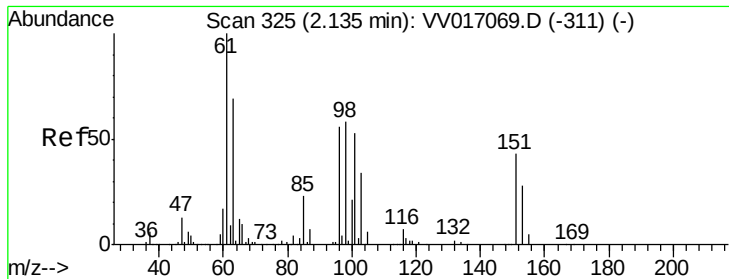
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
Data File : VV017089.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#10

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

Concen: 0.079 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV017089.D

Acq: 24 Jun 2020 22:17

Instrument :

MSVOA_V

ClientSampled :

BFXL6

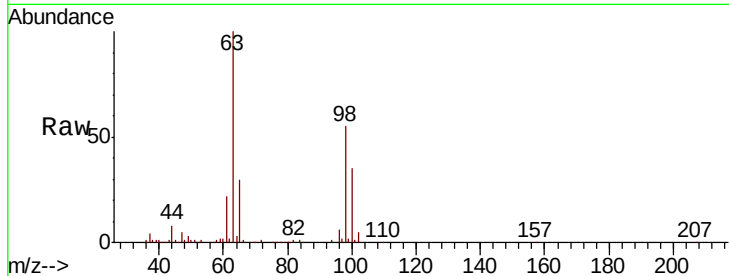
Tot Ion:101 Resp: 744

Ion Ratio Lower Upper

101 100

85 2.7 35.4 53.2#

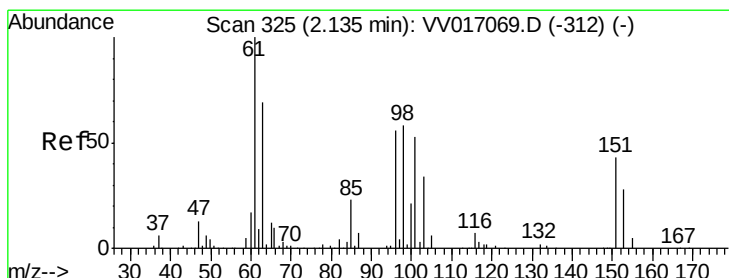
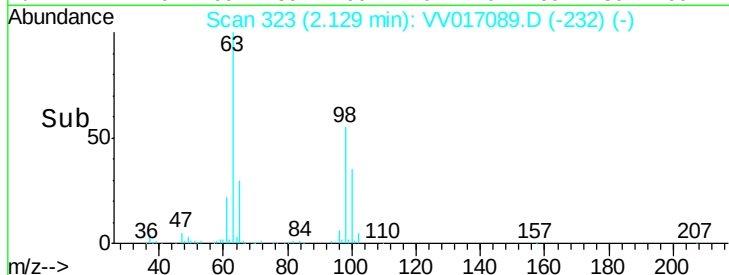
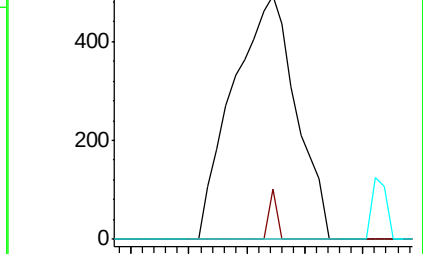
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.543 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV017089.D

Acq: 24 Jun 2020 22:17

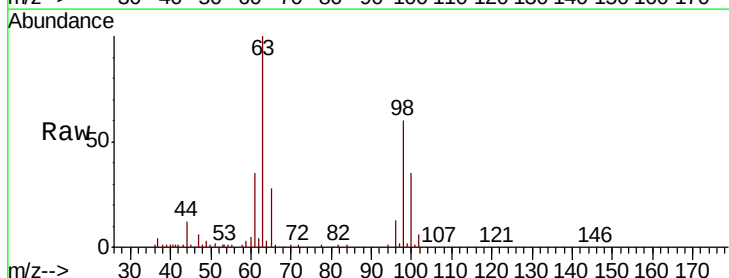
Tgt Ion: 96 Resp: 4628

Ion Ratio Lower Upper

96 100

61 266.5 125.0 232.2#

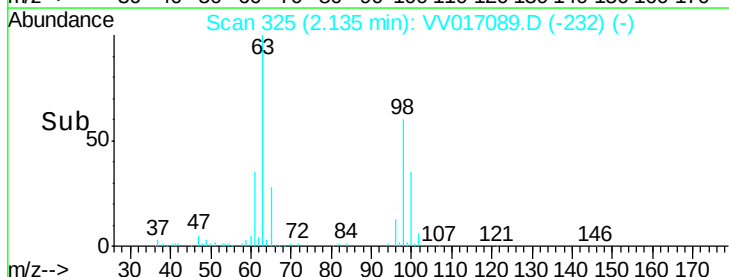
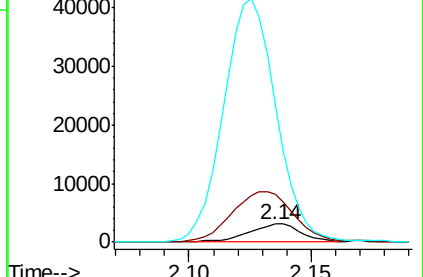
63 763.0 109.8 203.8#

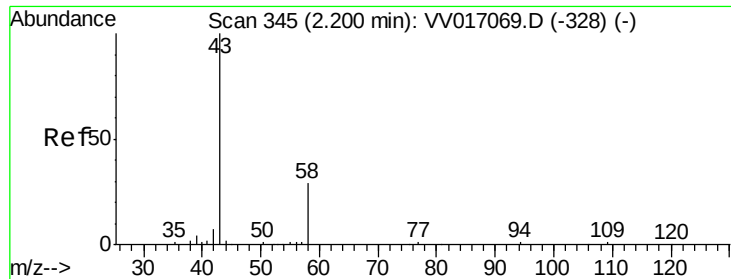


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.022 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.02 min

Lab File: VV017089.D

Acq: 24 Jun 2020 22:17

Instrument :

MSVOA_V

ClientSampleId :

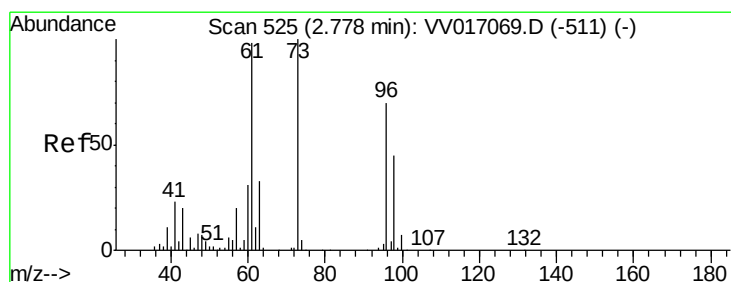
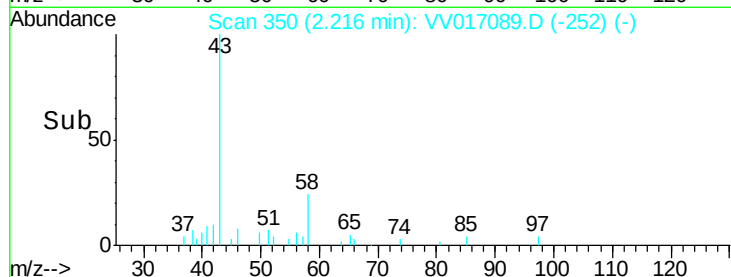
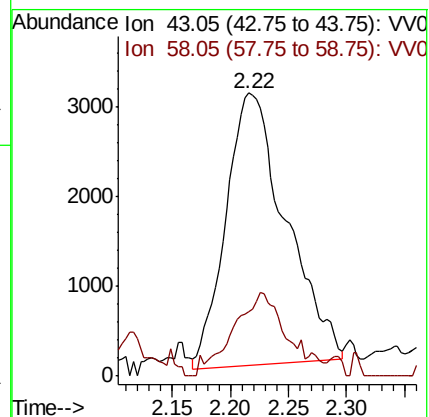
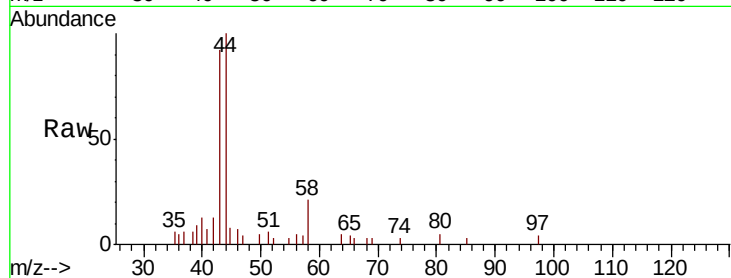
BFXL6

Tot Ion: 43 Resp: 11010

Ion Ratio Lower Upper

43 100

58 26.1 0.0 58.4



#18

trans-1,2-Dichloroethene

Concen: 0.453 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV017089.D

Acq: 24 Jun 2020 22:17

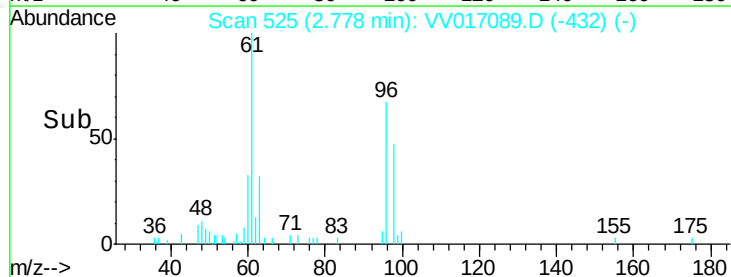
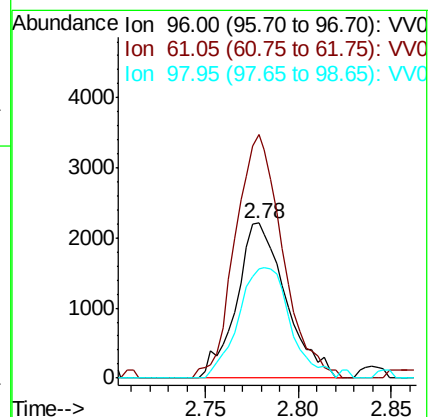
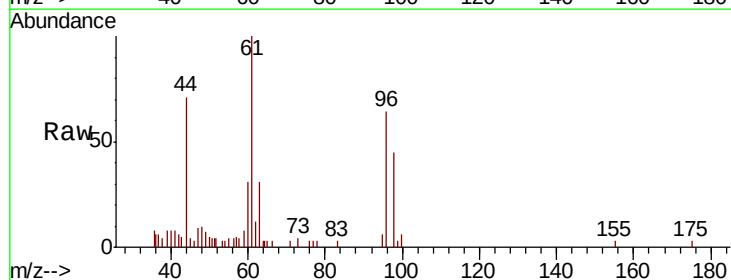
Tgt Ion: 96 Resp: 4085

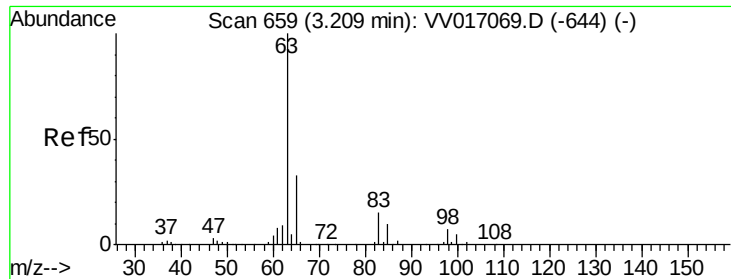
Ion Ratio Lower Upper

96 100

61 157.1 102.3 189.9

98 70.3 44.7 82.9

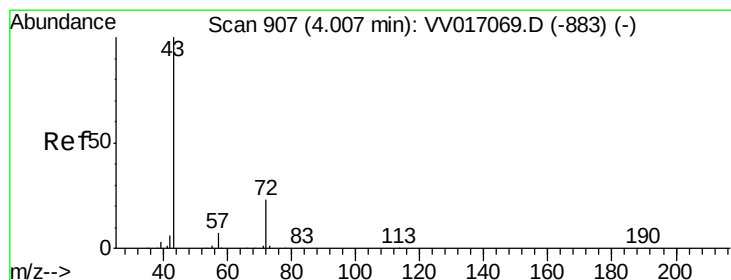
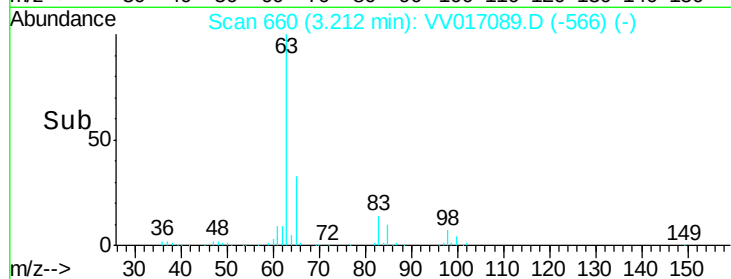
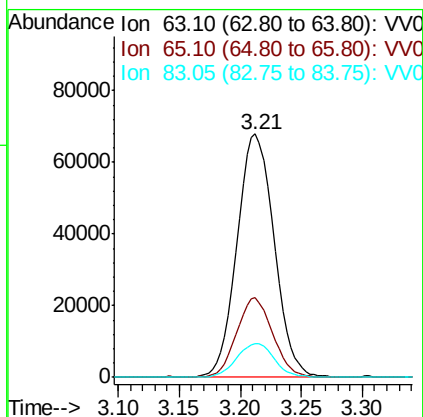
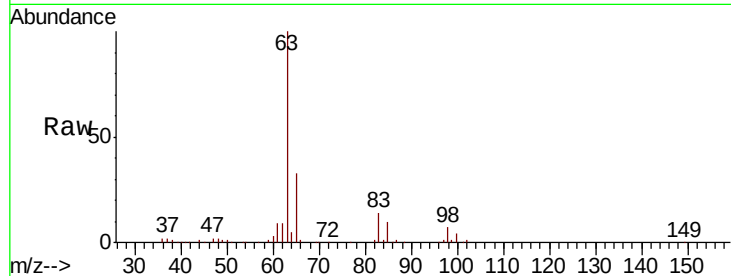




#19
 1,1-Dichloroethane
 Concen: 7.066 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017089.D
 Acq: 24 Jun 2020 22:17

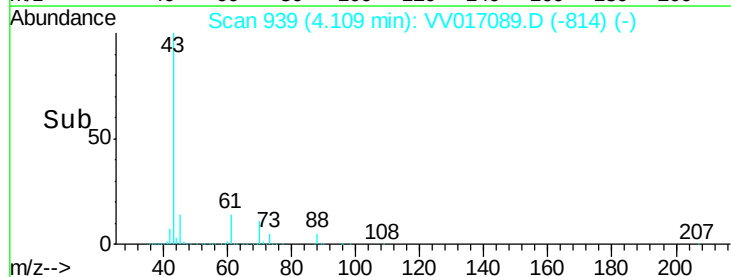
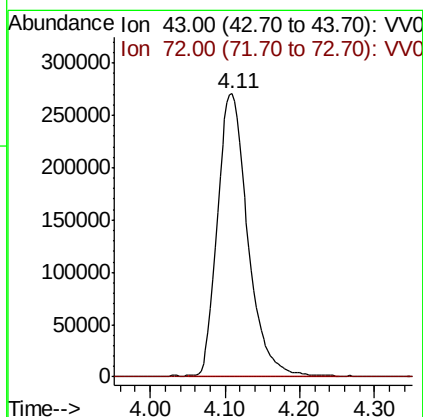
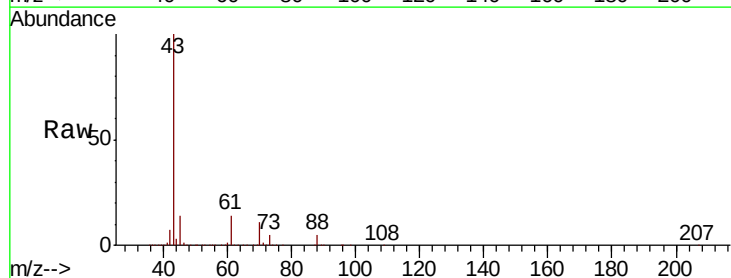
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL6

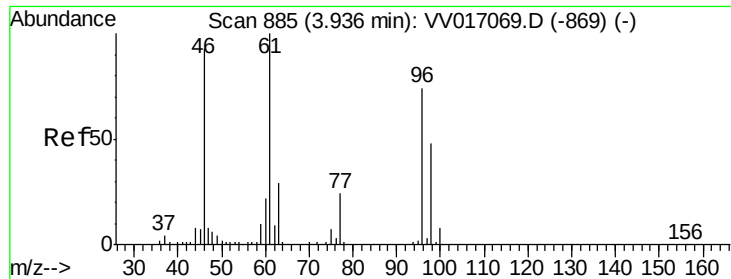
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	21.8	40.4
83	13.9	9.7	17.9



#21
 2-Butanone
 Concen: 290.695 ug/L
 RT: 4.11 min Scan# 939
 Delta R.T. 0.10 min
 Lab File: VV017089.D
 Acq: 24 Jun 2020 22:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.4	37.4#

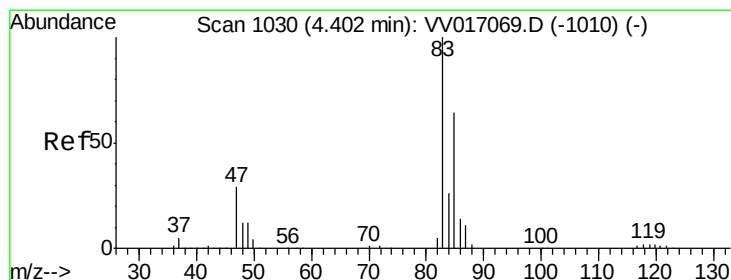
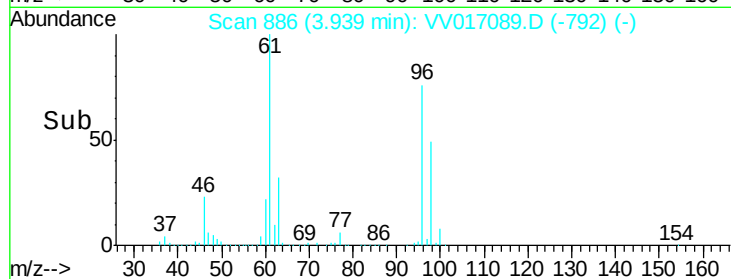
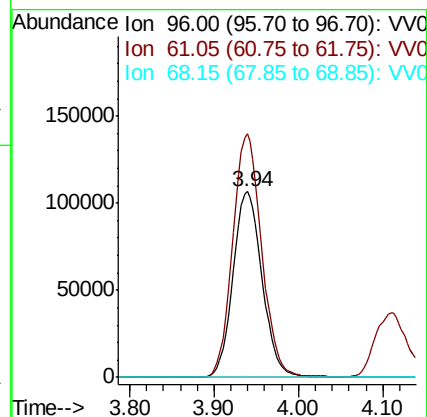
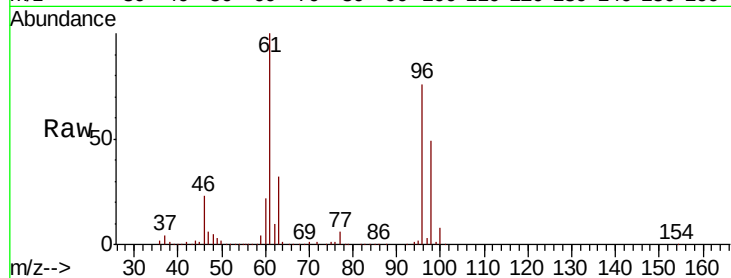




#22
 cis-1,2-Dichloroethene
 Concen: 20.655 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017089.D
 Acq: 24 Jun 2020 22:17

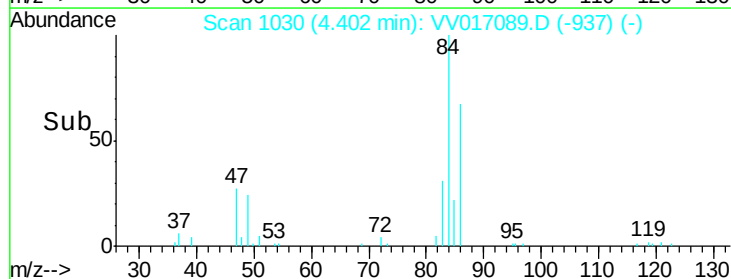
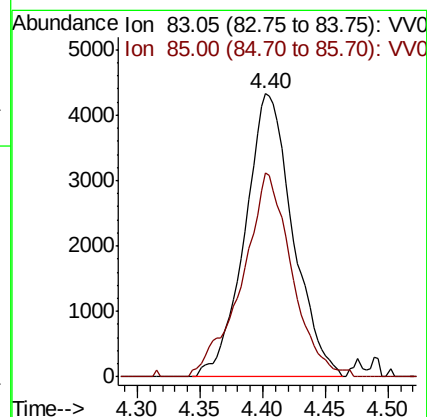
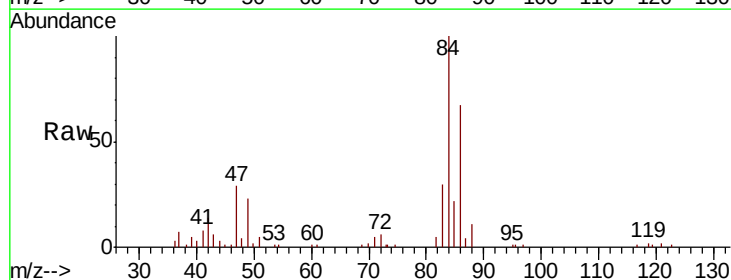
Instrument :
 MSVOA_V
 ClientSampleId :
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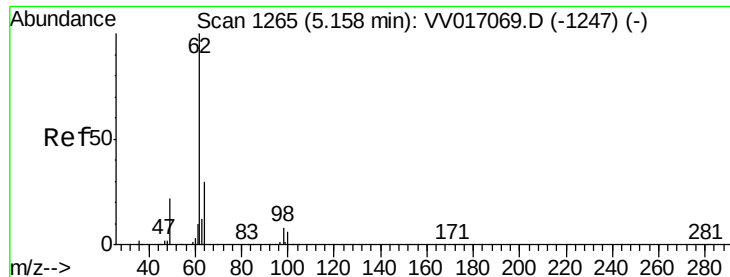
Tot Ion: 96 Resp: 254994
 Ion Ratio Lower Upper
 96 100
 61 131.1 91.0 169.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.520 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV017089.D
 Acq: 24 Jun 2020 22:17

Tgt Ion: 83 Resp: 11511
 Ion Ratio Lower Upper
 83 100
 85 71.9 44.2 82.2

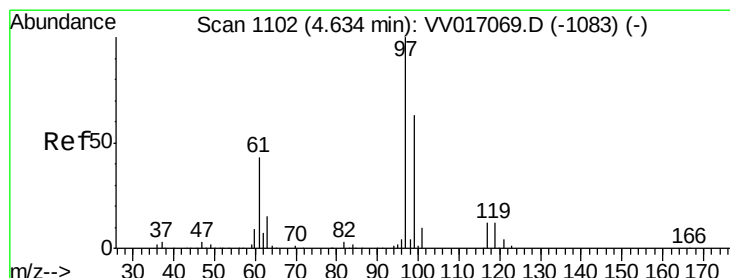
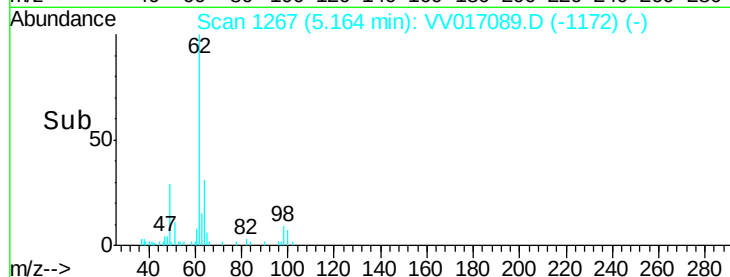
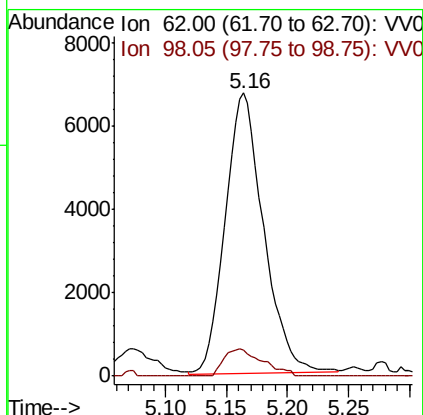
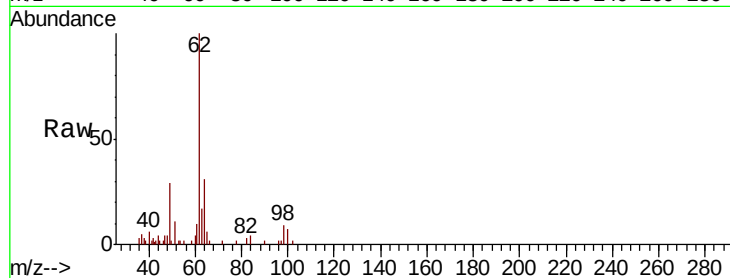




#27
 1,2-Dichloroethane
 Concen: 1.071 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV017089.D
 Acq: 24 Jun 2020 22:17

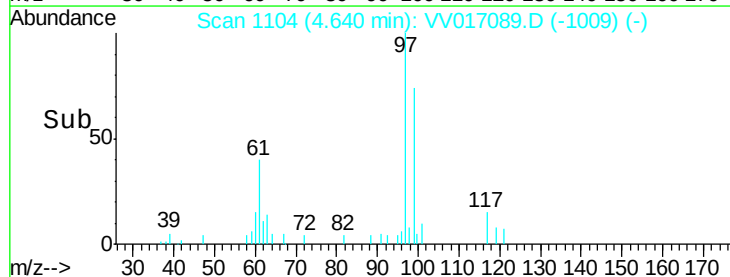
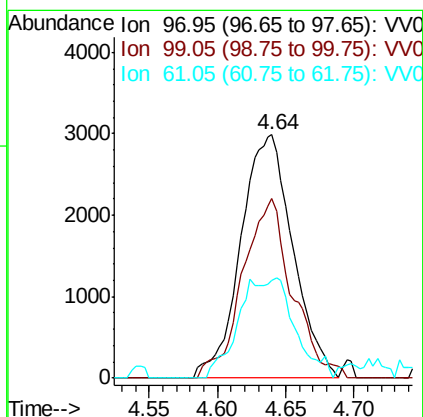
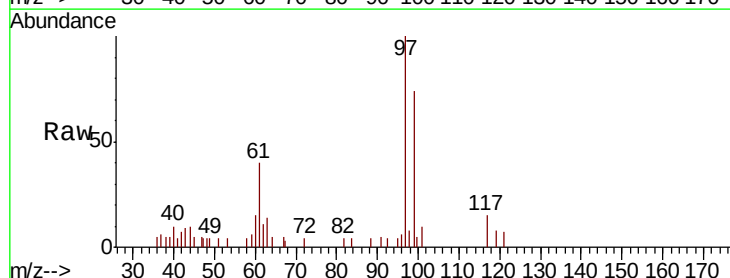
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 MSVOA_V
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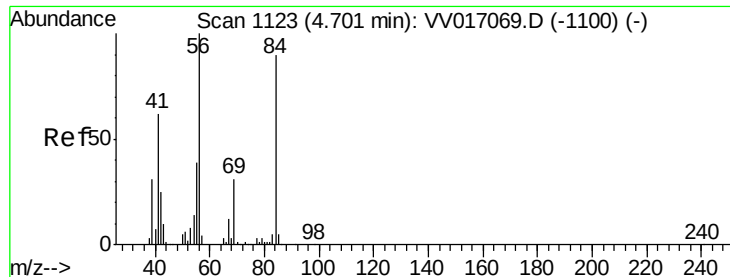
Tot Ion: 62 Resp: 14739
 Ion Ratio Lower Upper
 62 100
 98 9.0 6.7 10.1



#29
 1,1,1-Trichloroethane
 Concen: 0.385 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VV017089.D
 Acq: 24 Jun 2020 22:17

Tgt Ion: 97 Resp: 7935
 Ion Ratio Lower Upper
 97 100
 99 70.3 50.3 75.5
 61 21.3 36.0 54.0#

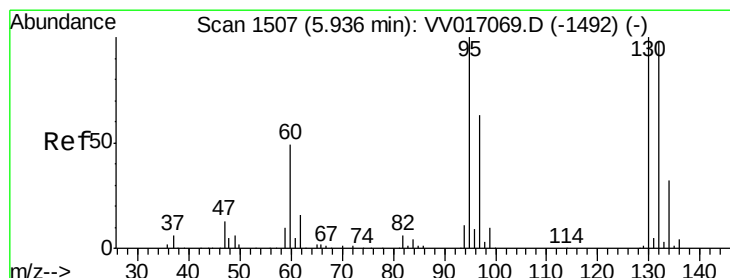
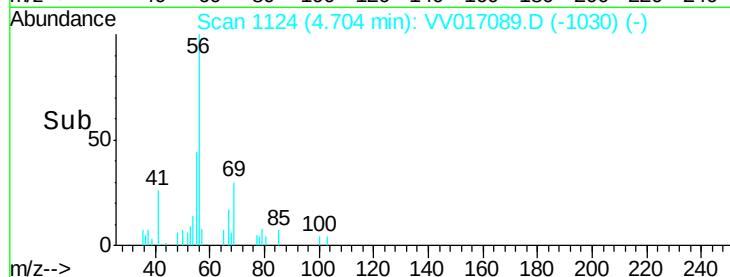
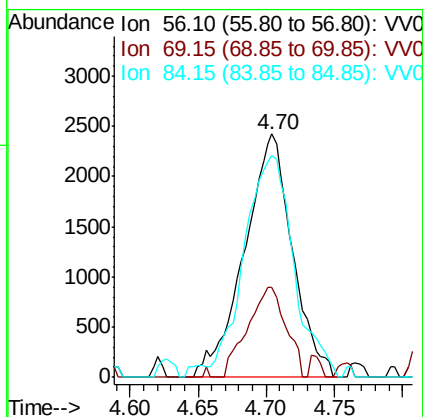
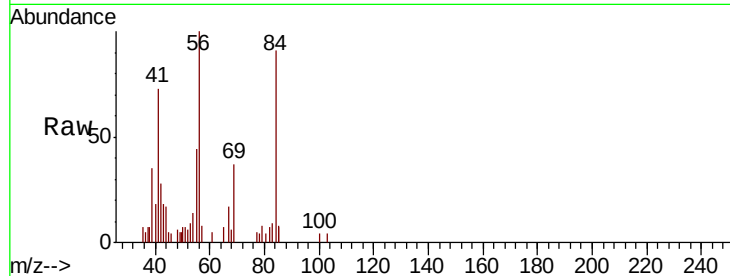




#30
Cyclohexane
Concen: 0.302 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV017089.D
Acq: 24 Jun 2020 22:17

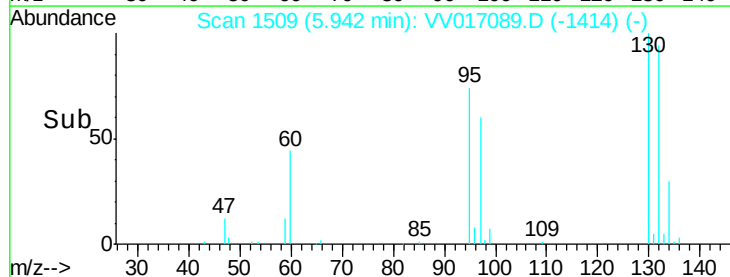
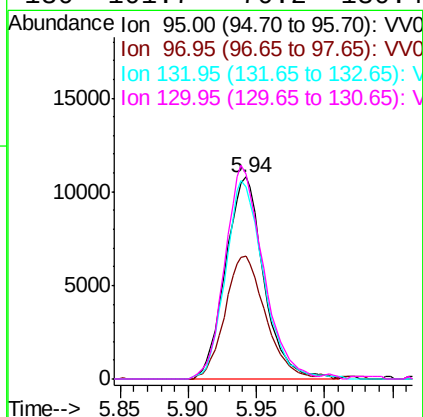
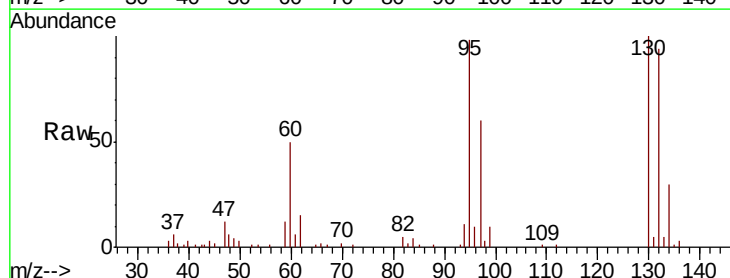
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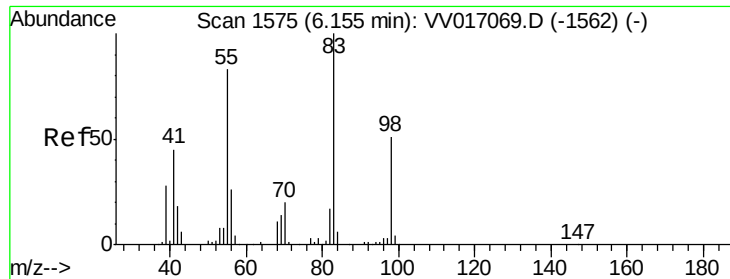
Tot Ion: 56 Resp: 5916
Ion Ratio Lower Upper
56 100
69 29.8 24.4 36.6
84 94.2 69.9 104.9



#34
Trichloroethene
Concen: 1.593 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017089.D
Acq: 24 Jun 2020 22:17

Tgt Ion: 95 Resp: 21008
Ion Ratio Lower Upper
95 100
97 60.6 45.3 84.1
132 95.1 68.8 127.8
130 101.7 70.2 130.4

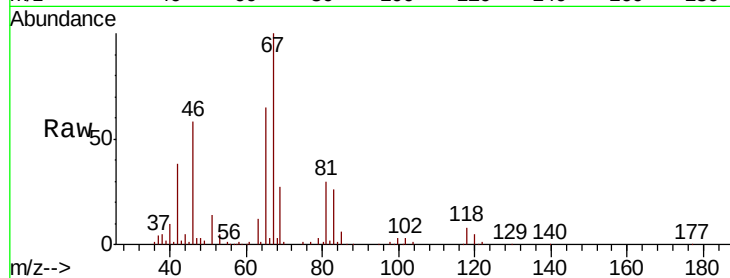




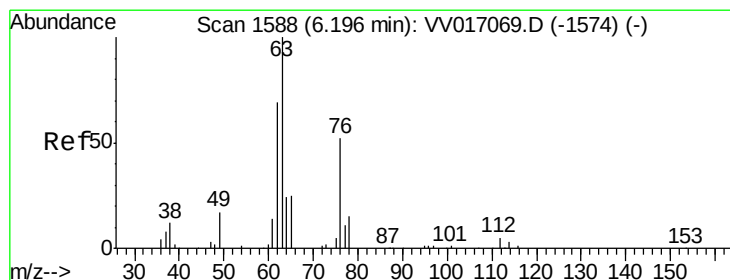
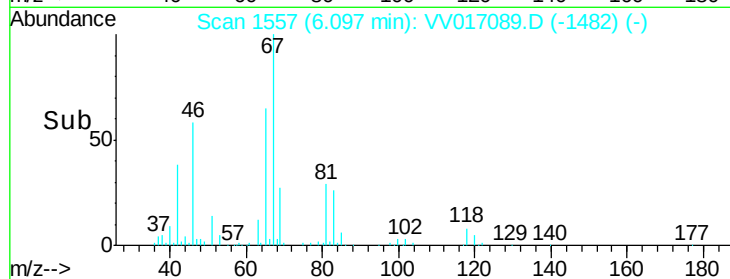
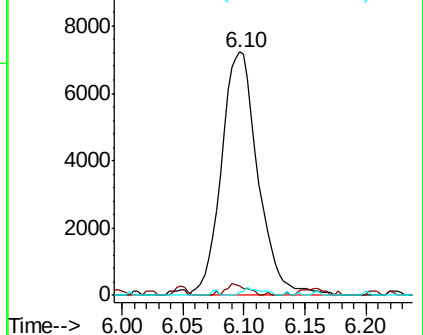
#35
Methylvlcyclohexane
Concen: 0.739 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV017089.D
Acq: 24 Jun 2020 22:17

Instrument :
MSVOA_V
ClientSampleId :
BFXL6

Tot Ion	83	Resp	15144
Ion Ratio	Lower	Upper	
83	100		
55	2.7	63.6	95.4#
98	1.6	38.8	58.2#

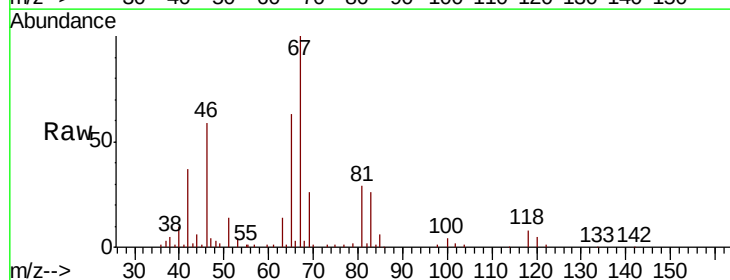


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

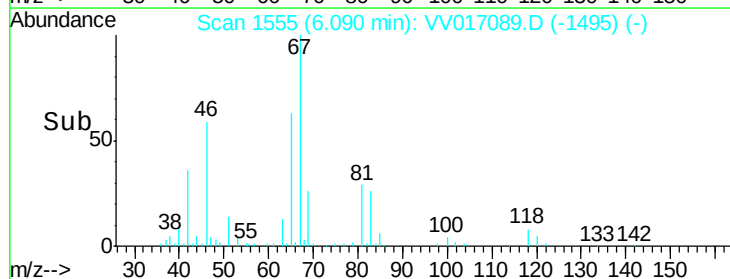
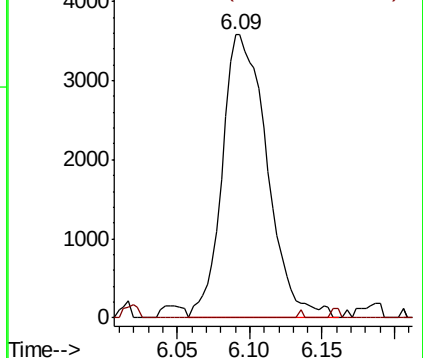


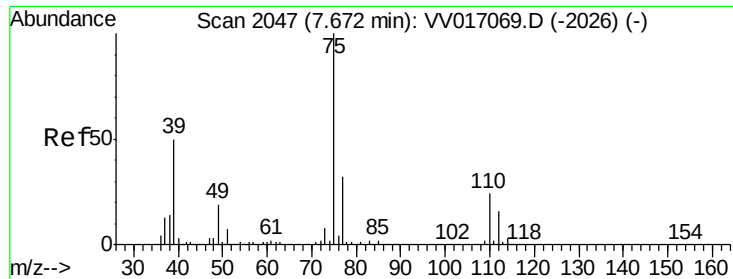
#37
1,2-Dichloropropane
Concen: 0.689 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.11 min
Lab File: VV017089.D
Acq: 24 Jun 2020 22:17

Tgt Ion	63	Resp	7680
Ion Ratio	Lower	Upper	
63	100		
112	0.3	4.4	6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#46

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017089.D

Acq: 24 Jun 2020 22:17

Instrument :

MSVOA_V

ClientSampleId :

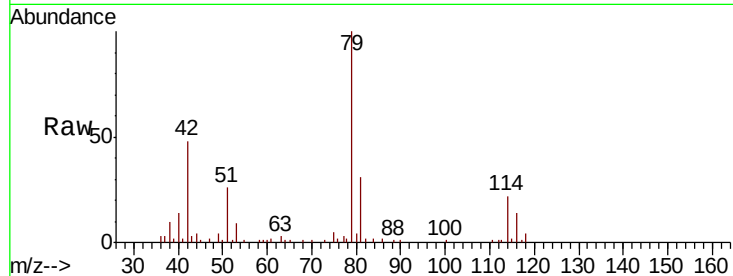
BFXL6

Tot Ion: 75 Resp: 1356

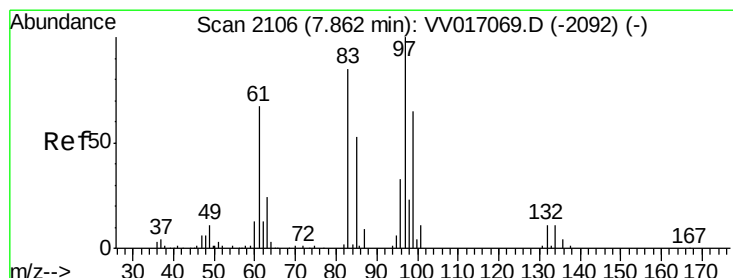
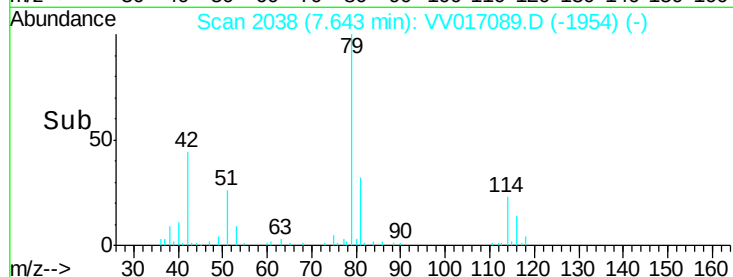
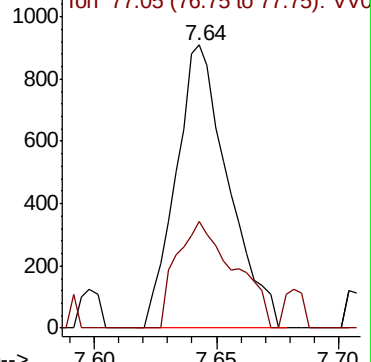
Ion Ratio Lower Upper

75 100

77 37.5 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV017089.D (-1954) (-)



#47

1,1,2-Trichloroethane

Concen: 1.440 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV017089.D

Acq: 24 Jun 2020 22:17

Tgt Ion: 97 Resp: 11382

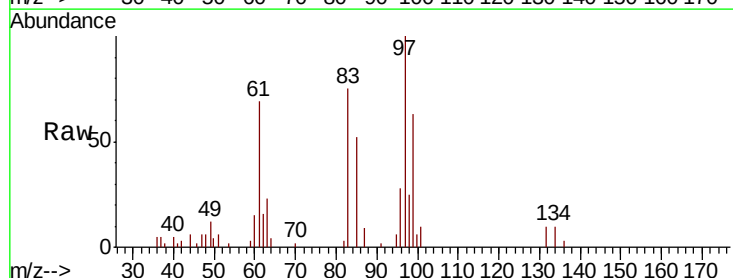
Ion Ratio Lower Upper

97 100

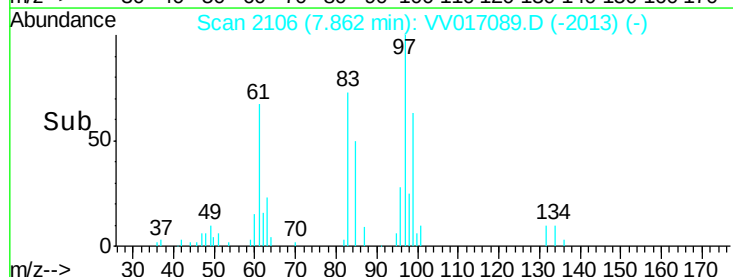
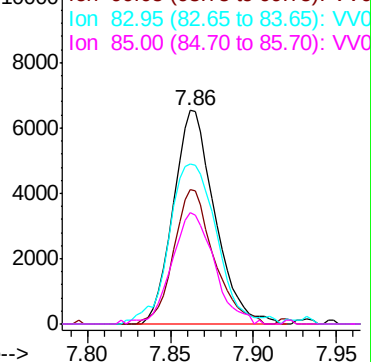
99 62.9 43.6 81.0

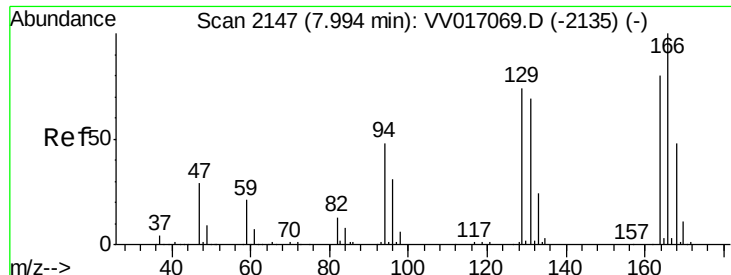
83 75.0 57.4 106.6

85 52.3 38.8 72.0



Abundance Ion 96.95 (96.65 to 97.65): VV017089.D (-2013) (-)





#49

Tetrachloroethene

Concen: 0.128 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017089.D

Acq: 24 Jun 2020 22:17

Instrument :

MSVOA_V

ClientSampleId :

BFXL6

Tot Ion:164 Resp: 1358

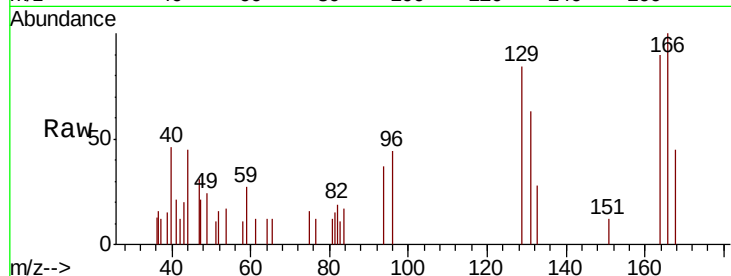
Ion Ratio Lower Upper

164 100

129 93.0 65.2 121.0

131 69.9 64.1 119.1

166 110.9 90.2 167.4



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

