

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017127.D
 Acq On : 25 Jun 2020 15:11
 Operator : SY/MD
 Sample : L3105-10DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL3DL

Quant Time: Jun 26 01:35:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 01:31:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	171937	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	166010	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	77328	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52009	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.58	69	41292	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.00%
11) 1,1-Dichloroethene-d2	2.12	63	79075	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	3.95	46	123590	46.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.98%
24) Chloroform-d	4.38	84	112240	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.06	65	59558	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.07	84	210836	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.09	67	61025	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.34	98	179888	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
45) trans-1,3-Dichloropropene-	7.64	79	23584	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
48) 2-Hexanone-d5	8.11	63	87541	42.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.56%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41403	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	70882	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	7399	0.656 ug/L	89
8) Chloroethane	1.32	64	2903	0.466 ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	688	0.076 ug/L #	22
12) 1,1-Dichloroethene	2.13	96	4640	0.562 ug/L #	1
16) Methylene chloride	2.52	84	2285	0.259 ug/L	90
18) trans-1,2-Dichloroethene	2.78	96	2487	0.284 ug/L	93
19) 1,1-Dichloroethane	3.21	63	83734	4.262 ug/L	99
21) 2-Butanone	4.12	43	52837	21.083 ug/L #	51
22) cis-1,2-Dichloroethene	3.94	96	100243	8.383 ug/L	98
25) Chloroform	4.40	83	8256	0.385 ug/L	89
27) 1,2-Dichloroethane	5.16	62	7482	0.561 ug/L #	88
29) 1,1,1-Trichloroethane	4.63	97	18729	0.942 ug/L	98
31) Carbon tetrachloride	4.64	117	2628	0.146 ug/L	87
34) Trichloroethene	5.94	95	14913	1.171 ug/L	96
35) Methylcyclohexane	6.10	83	16025	0.810 ug/L #	18
37) 1,2-Dichloropropane	6.09	63	8158	0.758 ug/L #	86
47) 1,1,2-Trichloroethane	7.87	97	8538	1.119 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 26 01:31:34 2020
Response via : Initial Calibration

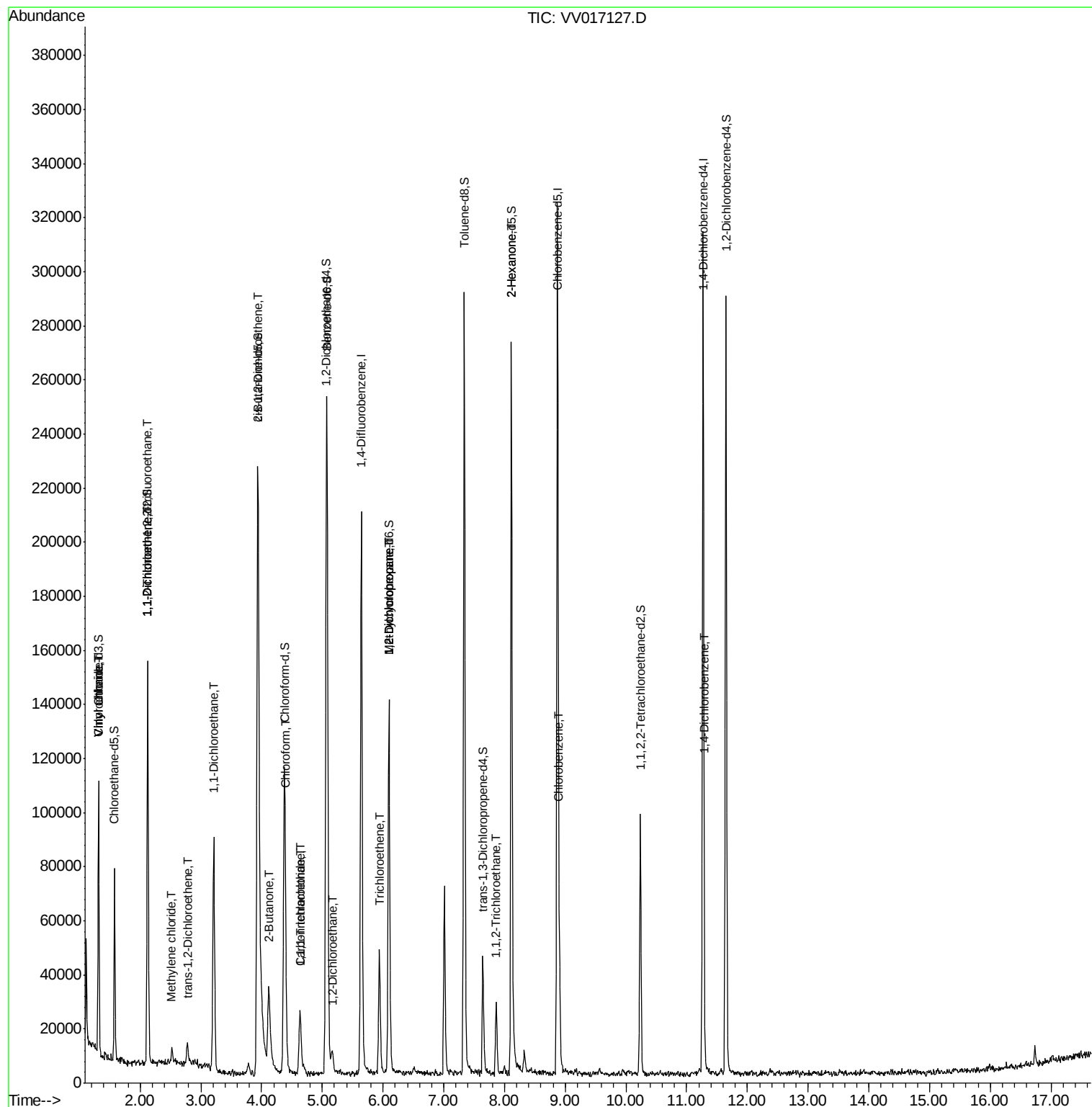
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 2-Hexanone	8.11	43	11091	2.508	ug/L #	70
53) Chlorobenzene	8.90	112	22319	0.708	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	1526	0.064	ug/L	93

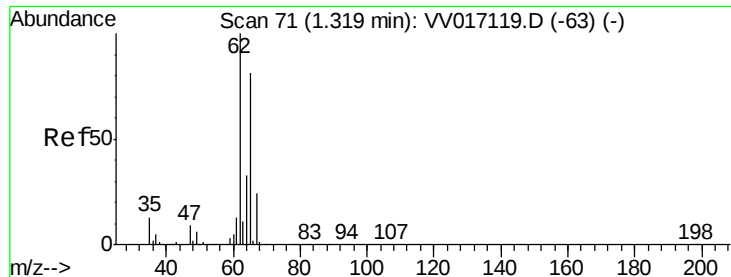
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV062520\
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#5

Vinyl chloride

Concen: 0.656 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017127.D

Acq: 25 Jun 2020 15:11

Instrument :

MSVOA_V

ClientSampleId :

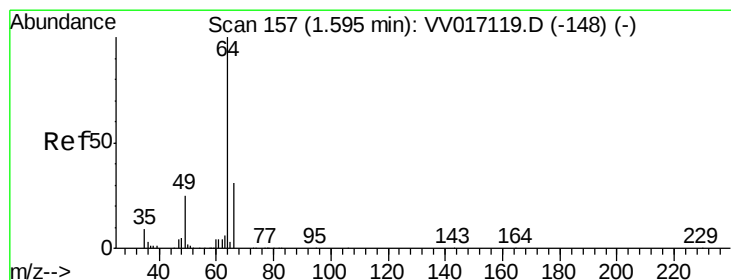
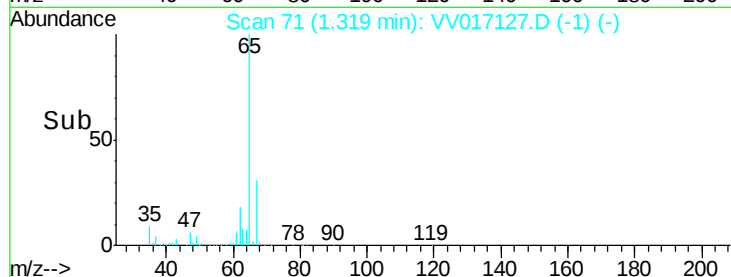
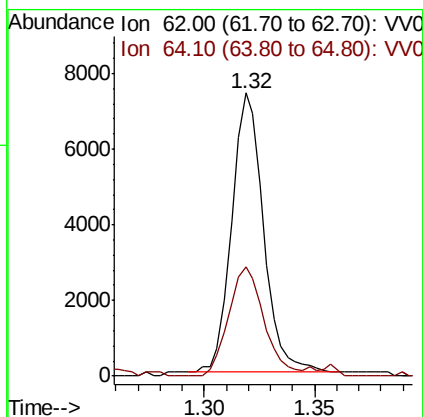
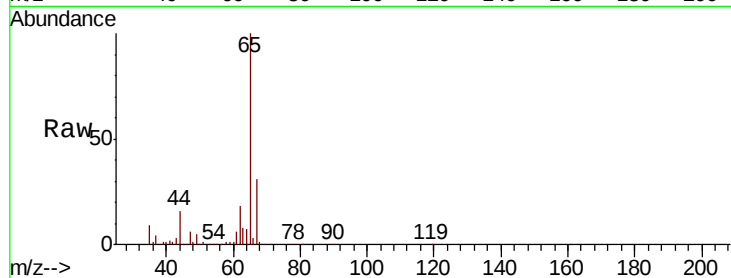
BFXL3DL

Tot Ion: 62 Resp: 7399

Ion Ratio Lower Upper

62 100

64 38.4 22.5 41.7



#8

Chloroethane

Concen: 0.466 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV017127.D

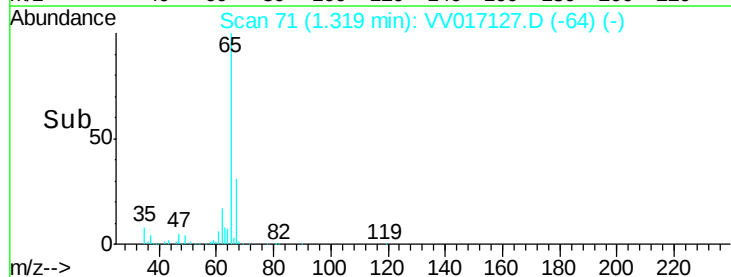
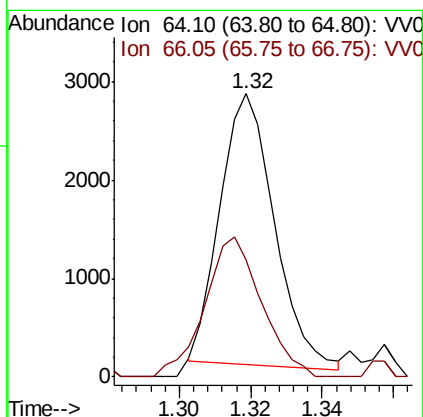
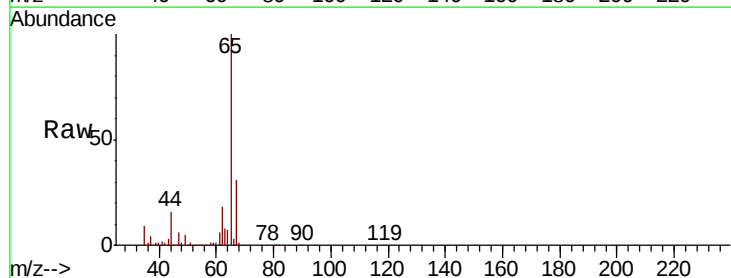
Acq: 25 Jun 2020 15:11

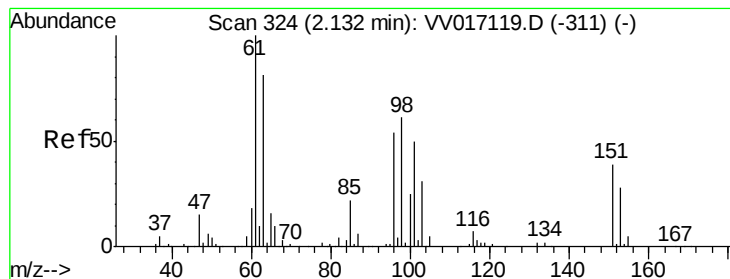
Tgt Ion: 64 Resp: 2903

Ion Ratio Lower Upper

64 100

66 41.3 22.8 42.4





#10

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

Concen: 0.076 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017127.D

Acq: 25 Jun 2020 15:11

Instrument :

MSVOA_V

ClientSampleId :

BFXL3DL

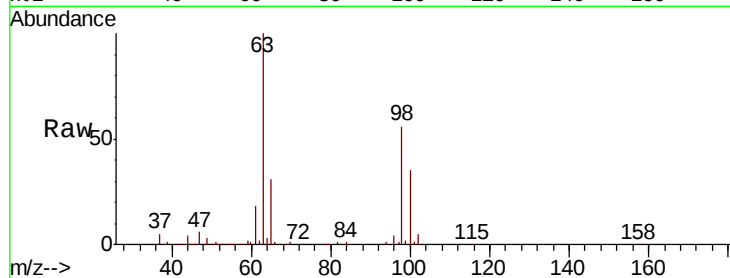
Tot Ion:101 Resp: 688

Ion Ratio Lower Upper

101 100

85 9.2 35.4 53.2#

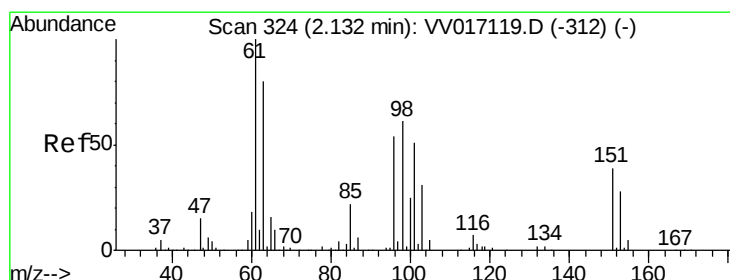
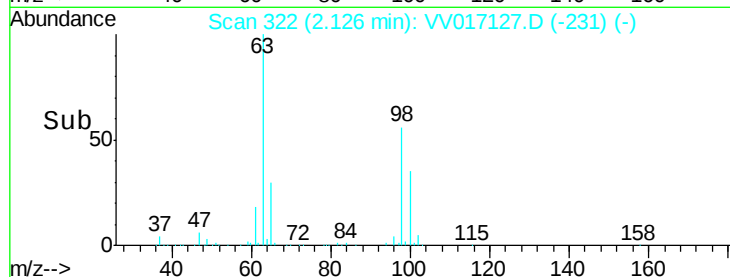
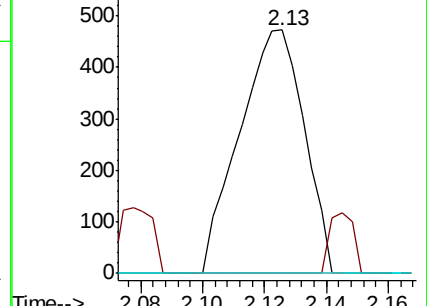
151 0.0 63.9 95.9#



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: 0.562 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017127.D

Acq: 25 Jun 2020 15:11

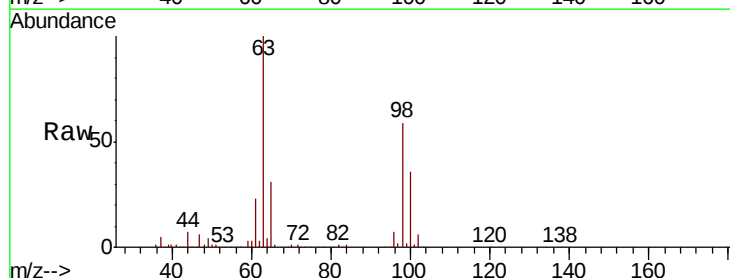
Tgt Ion: 96 Resp: 4640

Ion Ratio Lower Upper

96 100

61 314.5 125.0 232.2#

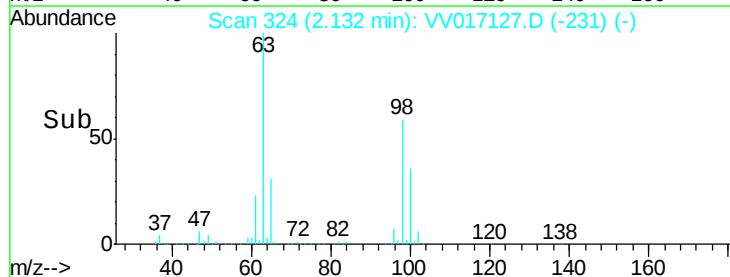
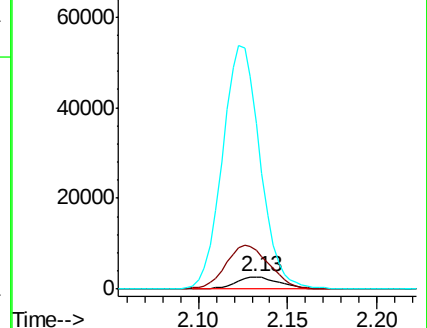
63 1363.5 109.8 203.8#

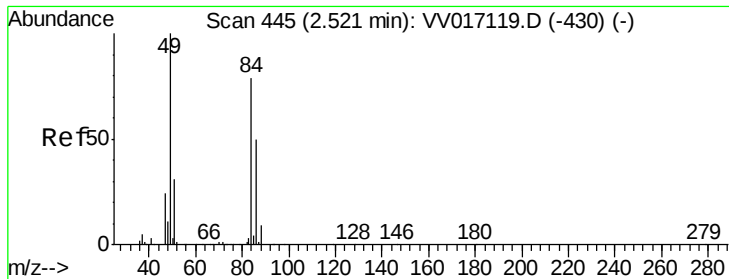


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

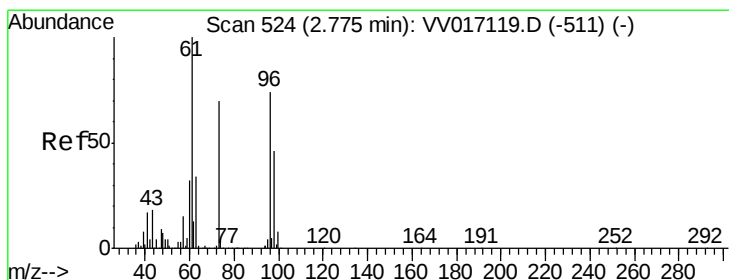
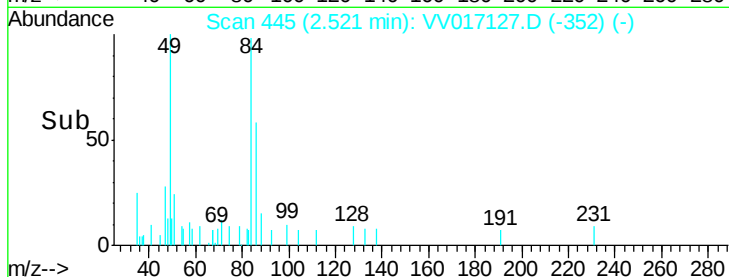
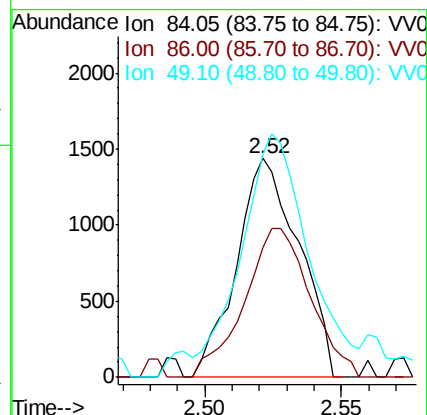
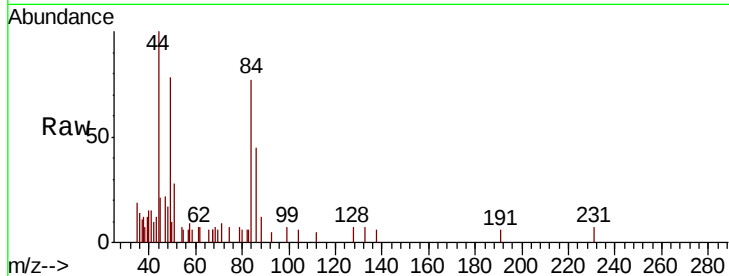




#16
Methvlene chloride
Concen: 0.259 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017127.D
Acq: 25 Jun 2020 15:11

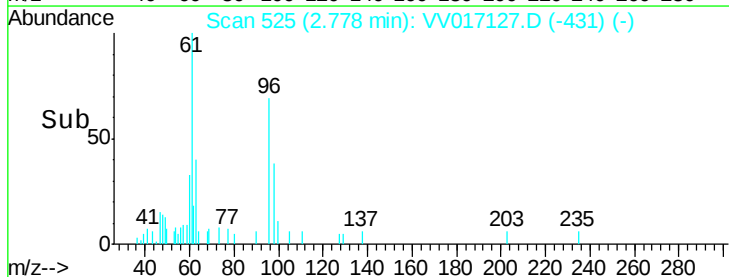
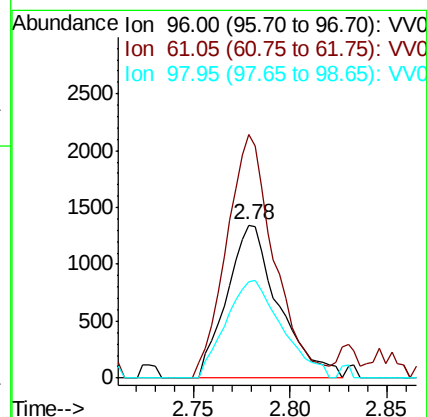
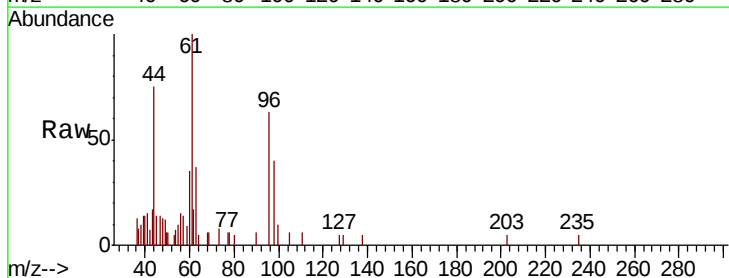
Instrument :
MSVOA_V
ClientSampleId :
BFXL3DL

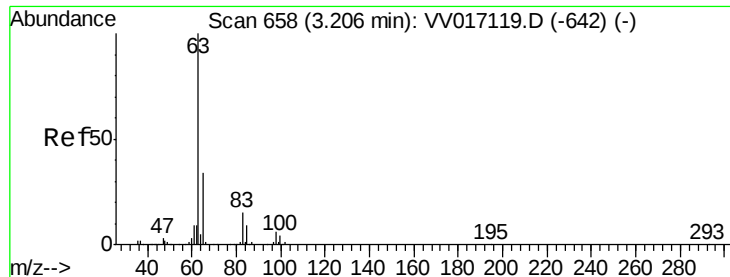
Tot Ion: 84 Resp: 2285
Ion Ratio Lower Upper
84 100
86 59.2 45.8 85.0
49 114.7 89.6 166.4



#18
trans-1,2-Dichloroethene
Concen: 0.284 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017127.D
Acq: 25 Jun 2020 15:11

Tgt Ion: 96 Resp: 2487
Ion Ratio Lower Upper
96 100
61 159.1 102.3 189.9
98 63.3 44.7 82.9

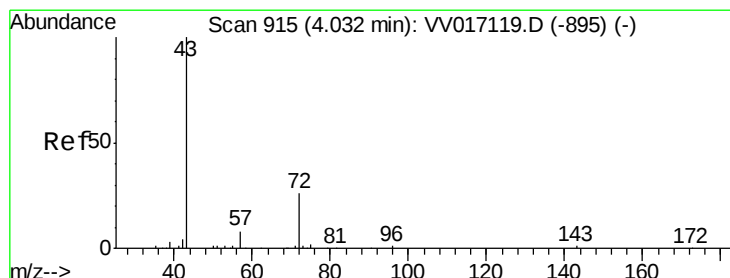
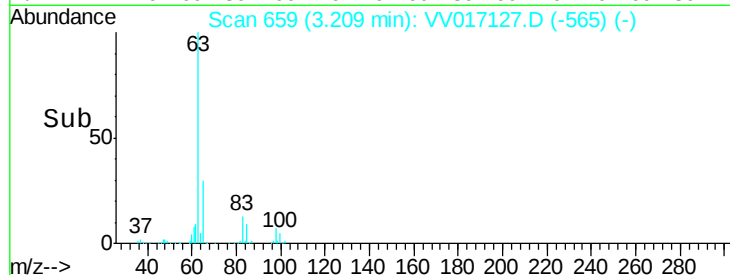
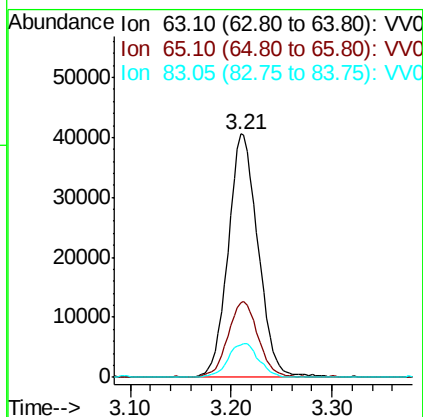
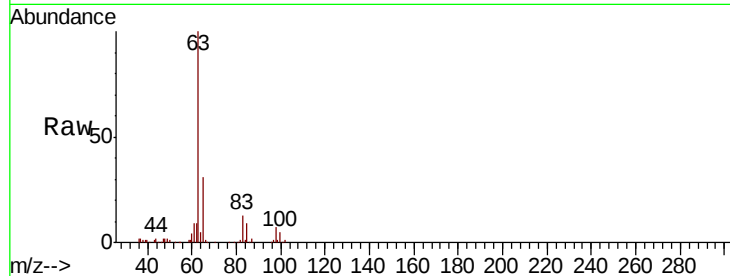




#19
 1,1-Dichloroethane
 Concen: 4.262 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017127.D
 Acq: 25 Jun 2020 15:11

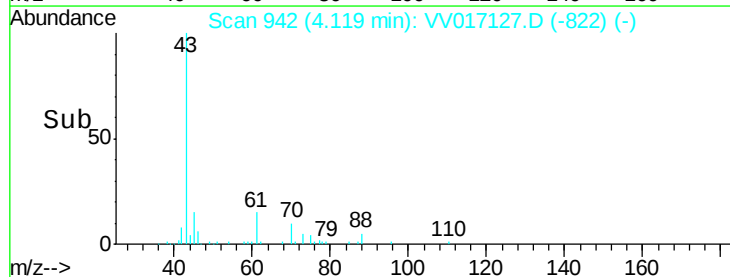
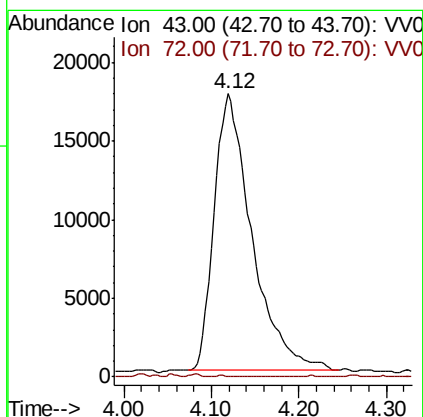
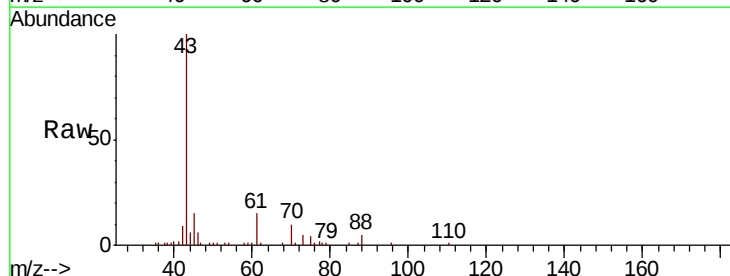
Instrument :
 MSVOA_V
 ClientSampled :
 BFXL3DL

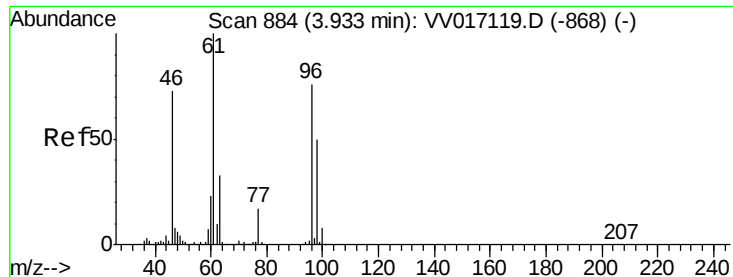
Tot Ion: 63 Resp: 83734
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.8 40.4
 83 13.1 9.7 17.9



#21
 2-Butanone
 Concen: 21.083 ug/L
 RT: 4.12 min Scan# 942
 Delta R.T. 0.09 min
 Lab File: VV017127.D
 Acq: 25 Jun 2020 15:11

Tgt Ion: 43 Resp: 52837
 Ion Ratio Lower Upper
 43 100
 72 0.3 12.4 37.4#



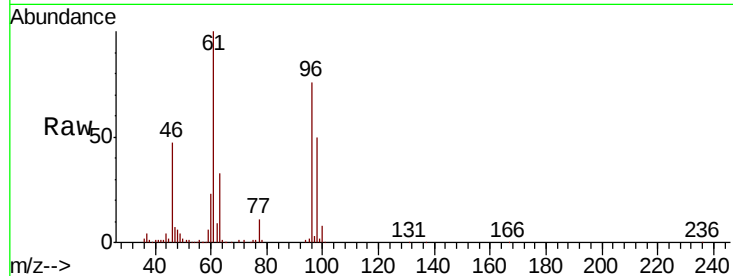


#22

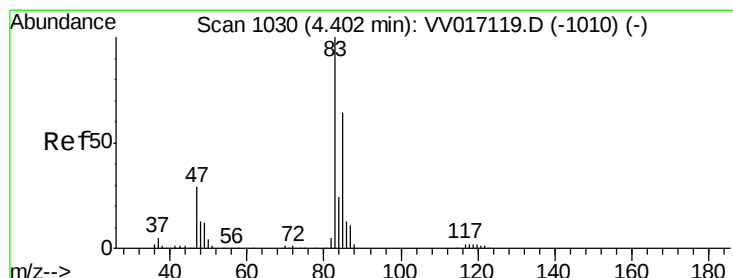
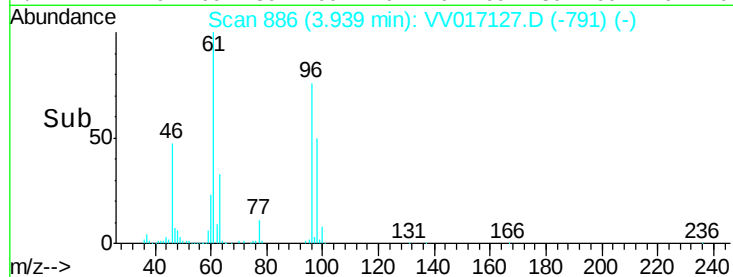
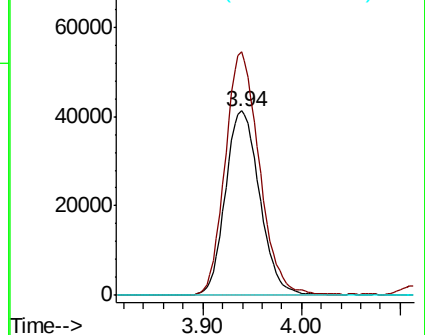
cis-1,2-Dichloroethene
 Concen: 8.383 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017127.D
 Acq: 25 Jun 2020 15:11

Instrument :
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 ClientSampleId :
 BFXL3DL

Tot Ion: 96 Resp: 100243
 Ion Ratio Lower Upper
 96 100
 61 131.9 91.0 169.0
 68 0.0 0.0 0.0



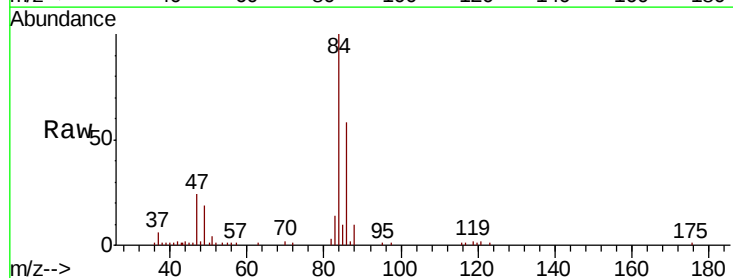
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



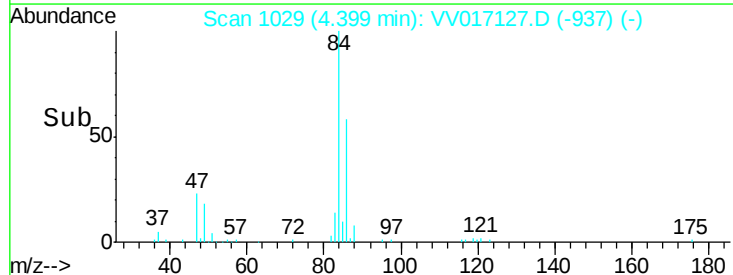
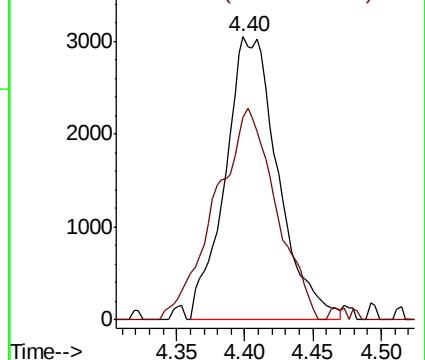
#25

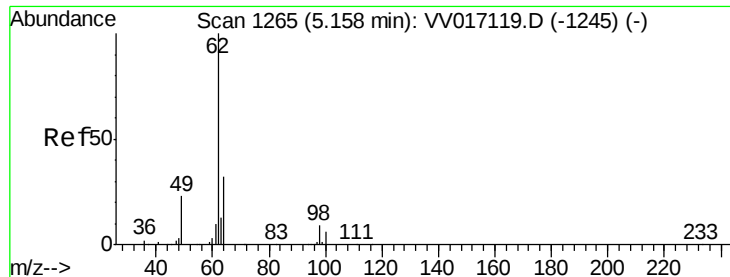
Chloroform
 Concen: 0.385 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV017127.D
 Acq: 25 Jun 2020 15:11

Tgt Ion: 83 Resp: 8256
 Ion Ratio Lower Upper
 83 100
 85 71.8 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.561 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV017127.D

Acq: 25 Jun 2020 15:11

Instrument :

MSVOA_V

ClientSampleId :

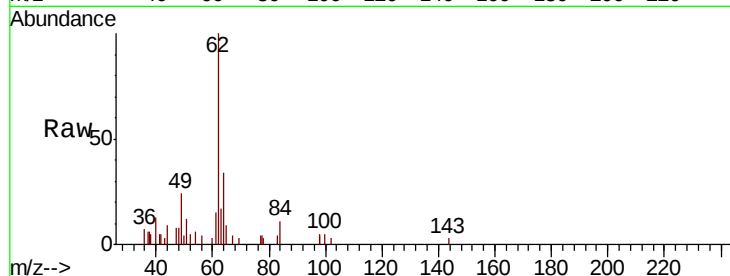
BFXL3DL

Tot Ion: 62 Resp: 7482

Ion Ratio Lower Upper

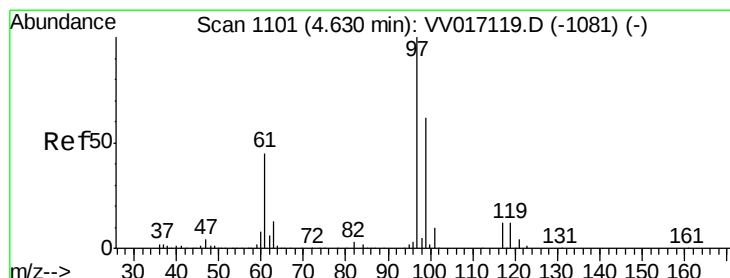
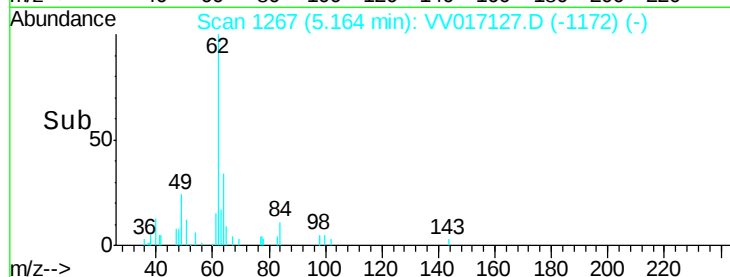
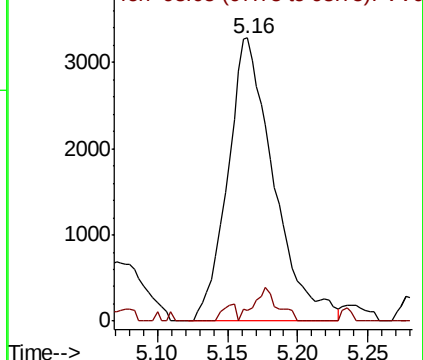
62 100

98 4.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 0.942 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017127.D

Acq: 25 Jun 2020 15:11

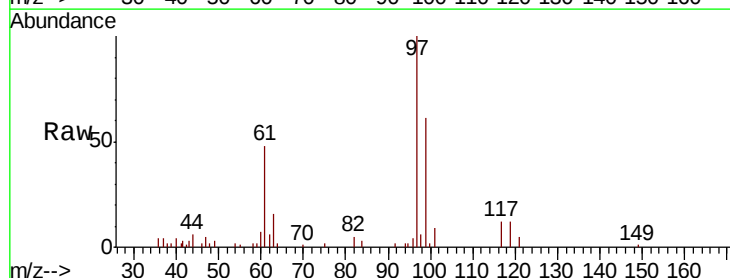
Tgt Ion: 97 Resp: 18729

Ion Ratio Lower Upper

97 100

99 64.8 50.3 75.5

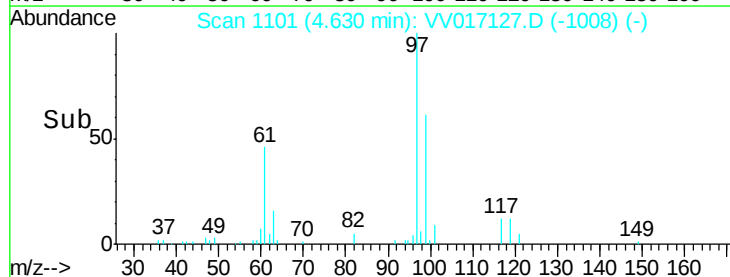
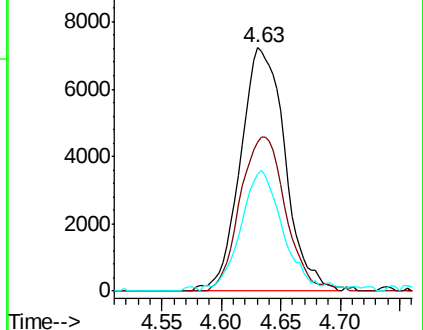
61 46.5 36.0 54.0

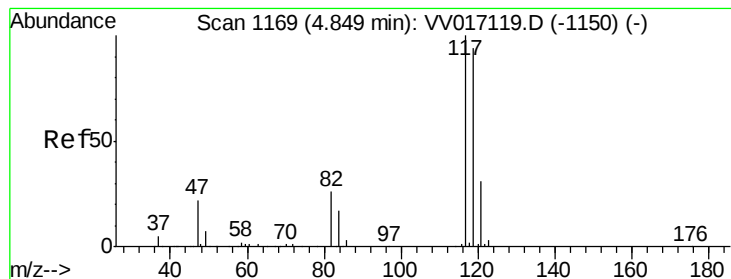


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 0.146 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.21 min

Lab File: VV017127.D

Acq: 25 Jun 2020 15:11

Instrument :

MSVOA_V

ClientSampleId :

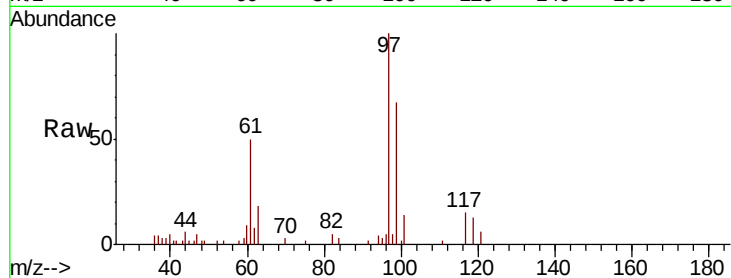
BFXL3DL

Tot Ion:117 Resp: 2628

Ion Ratio Lower Upper

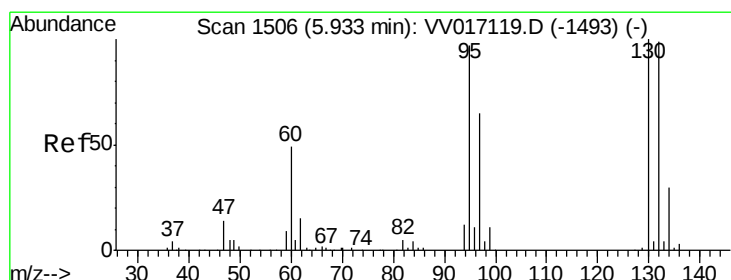
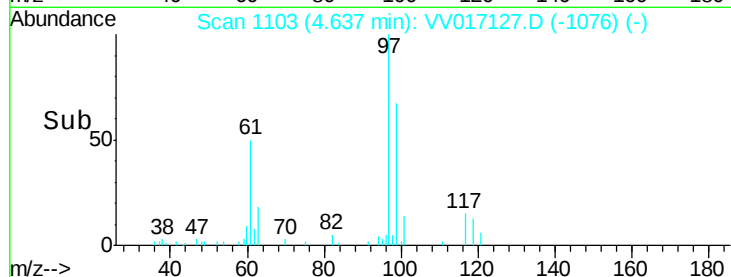
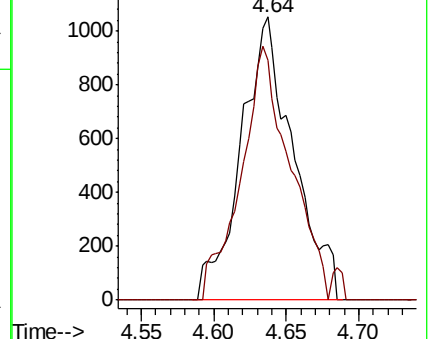
117 100

119 84.6 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.171 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV017127.D

Acq: 25 Jun 2020 15:11

Tgt Ion: 95 Resp: 14913

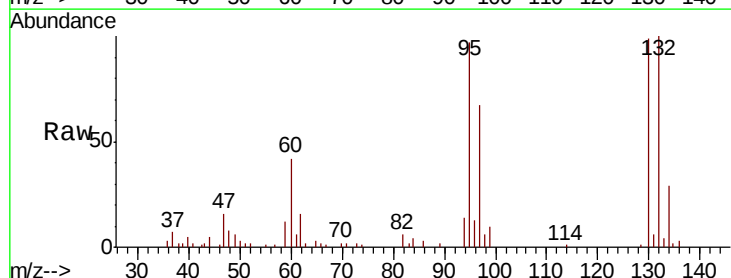
Ion Ratio Lower Upper

95 100

97 69.1 45.3 84.1

132 103.5 68.8 127.8

130 102.9 70.2 130.4

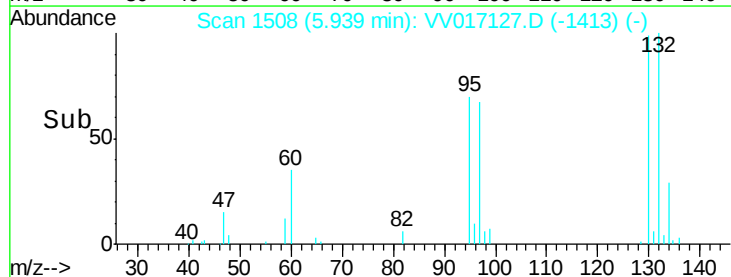
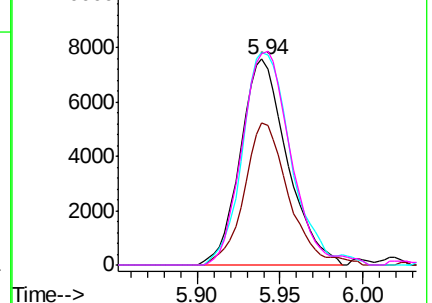


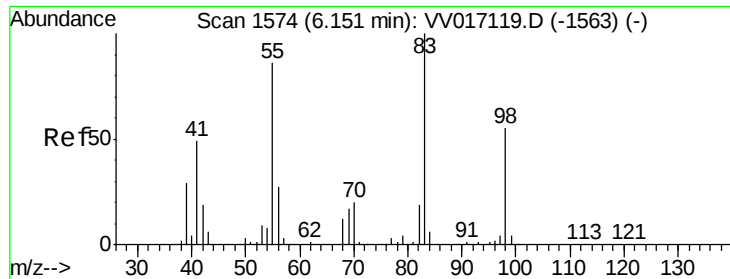
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

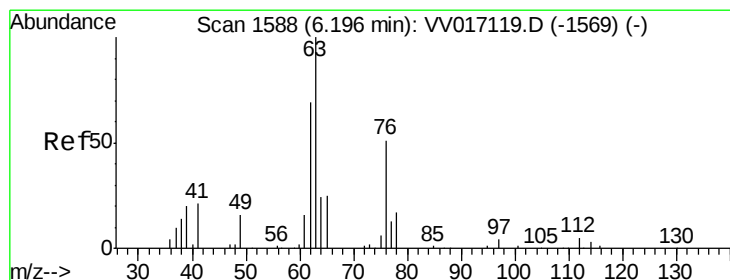
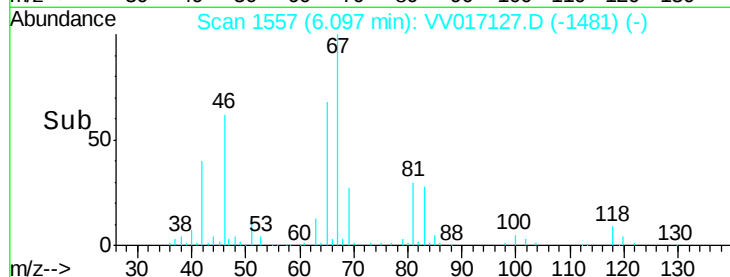
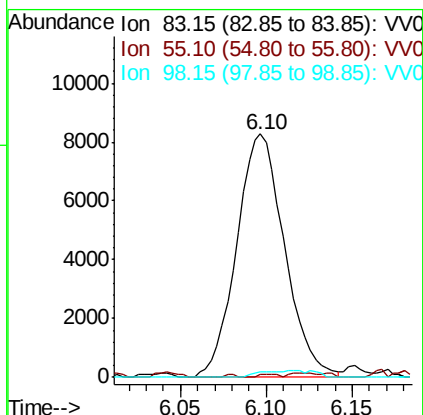
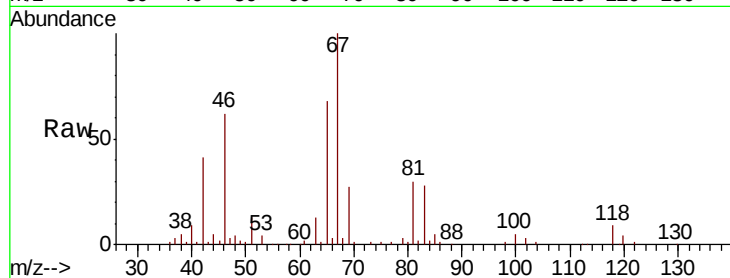




#35
Methvlcvclohexane
Concen: 0.810 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017127.D
Acq: 25 Jun 2020 15:11

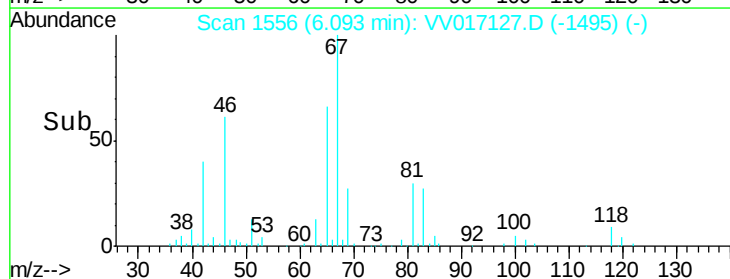
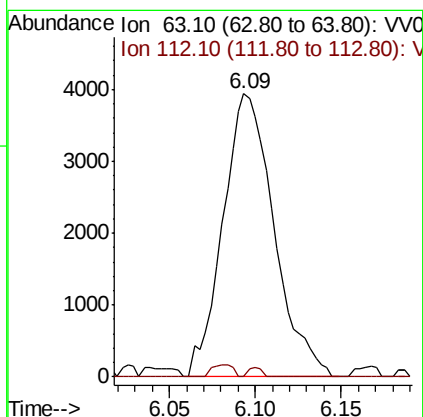
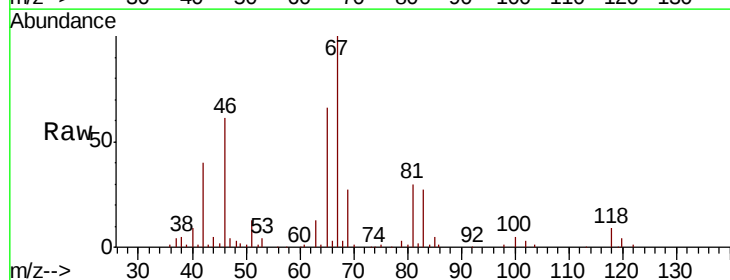
Instrument :
MSVOA_V
ClientSampleId :
BFXL3DL

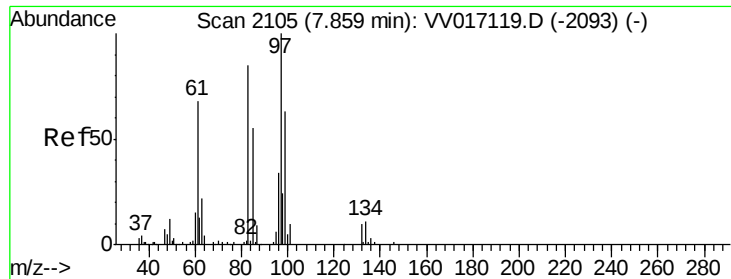
Tot Ion: 83 Resp: 16025
Ion Ratio Lower Upper
83 100
55 0.5 63.6 95.4#
98 1.0 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.758 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017127.D
Acq: 25 Jun 2020 15:11

Tgt Ion: 63 Resp: 8158
Ion Ratio Lower Upper
63 100
112 0.8 4.4 6.6#

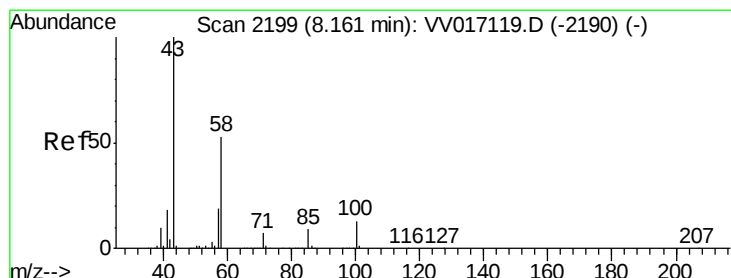
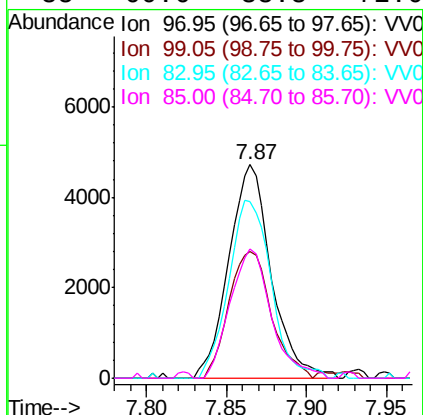
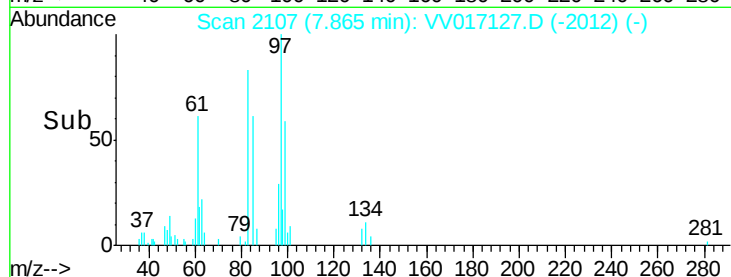
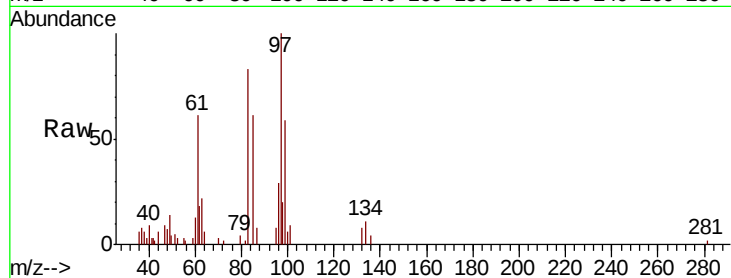




#47
 1,1,2-Trichloroethane
 Concen: 1.119 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV017127.D
 Acq: 25 Jun 2020 15:11

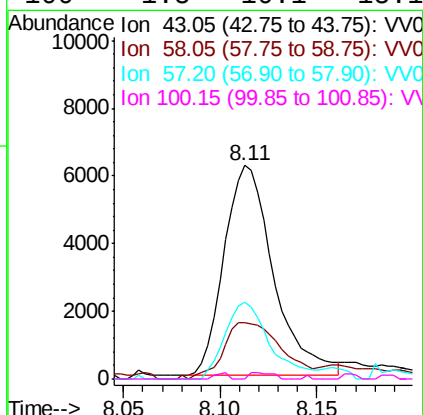
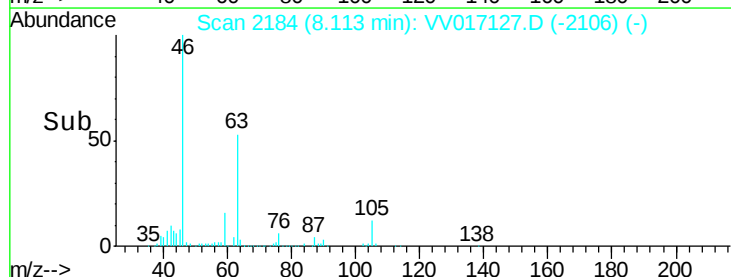
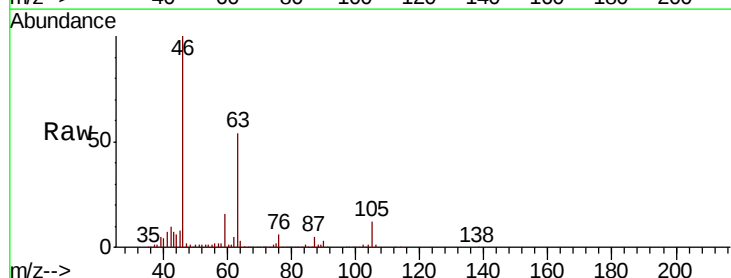
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL3DL

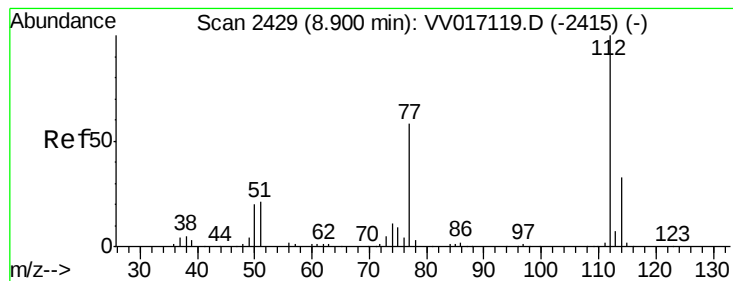
Tot Ion:	97	Resp:	8538
Ion	Ratio	Lower	Upper
97	100		
99	59.2	43.6	81.0
83	82.7	57.4	106.6
85	60.6	38.8	72.0



#50
 2-Hexanone
 Concen: 2.508 ug/L
 RT: 8.11 min Scan# 2184
 Delta R.T. -0.05 min
 Lab File: VV017127.D
 Acq: 25 Jun 2020 15:11

Tgt Ion:	43	Resp:	11091
Ion	Ratio	Lower	Upper
43	100		
58	31.2	41.6	62.4#
57	33.5	15.4	23.0#
100	1.5	10.1	15.1#





#53

Chlorobenzene

Concen: 0.708 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017127.D

Acq: 25 Jun 2020 15:11

Instrument :

MSVOA_V

ClientSampleId :

BFXL3DL

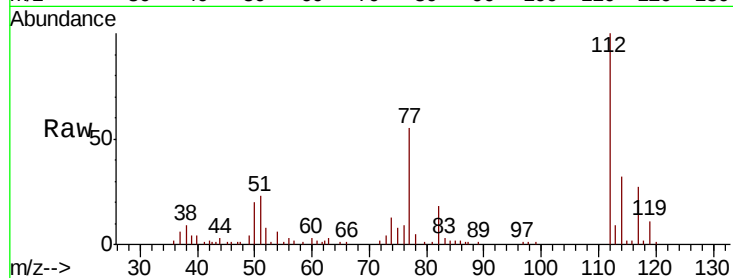
Tot Ion:112 Resp: 22319

Ion Ratio Lower Upper

112 100

114 32.3 22.0 41.0

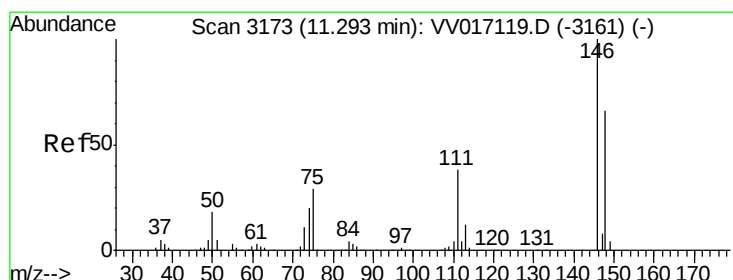
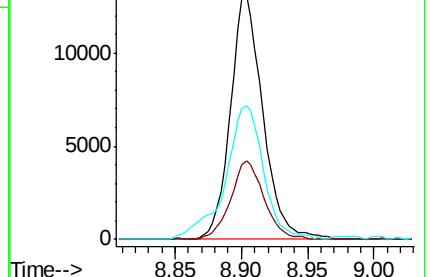
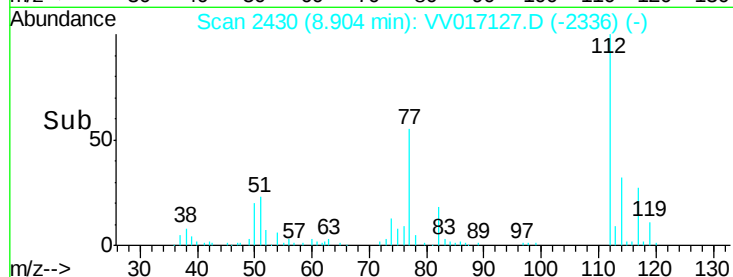
77 55.0 46.0 69.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0



#64

1,4-Dichlorobenzene

Concen: 0.064 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017127.D

Acq: 25 Jun 2020 15:11

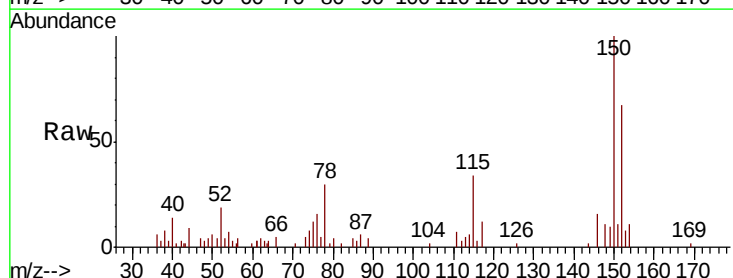
Tgt Ion:146 Resp: 1526

Ion Ratio Lower Upper

146 100

111 43.6 27.4 50.8

148 68.8 44.3 82.3



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

