

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062520\
 Data File : VV017170.D
 Acq On : 26 Jun 2020 09:59
 Operator : SY/MD
 Sample : L3106-19DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXP1DL

Quant Time: Jun 26 13:01:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 12:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	158422	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	157230	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73352	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46247	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.58	69	37310	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.12	63	70231	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.96	46	116003	47.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.74%
24) Chloroform-d	4.38	84	108823	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.06	65	58907	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.07	84	201712	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.10	67	58315	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.34	98	174637	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
45) trans-1,3-Dichloropropene-	7.64	79	23123	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
48) 2-Hexanone-d5	8.12	63	83855	43.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.54%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41492	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	69526	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	17549	1.688 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	804	0.096 ug/L #	24
12) 1,1-Dichloroethene	2.13	96	3460	0.455 ug/L #	1
16) Methylene chloride	2.53	84	1526	0.187 ug/L	85
18) trans-1,2-Dichloroethene	2.78	96	1036	0.129 ug/L	85
19) 1,1-Dichloroethane	3.21	63	7956	0.439 ug/L	90
21) 2-Butanone	4.12	43	51578	22.336 ug/L #	50
22) cis-1,2-Dichloroethene	3.94	96	98079	8.902 ug/L #	98
29) 1,1,1-Trichloroethane	4.63	97	34423	1.827 ug/L	99
30) Cyclohexane	4.70	56	5256	0.293 ug/L	92
31) Carbon tetrachloride	4.64	117	4308	0.253 ug/L	99
34) Trichloroethene	5.94	95	7775	0.645 ug/L	95
35) Methylcyclohexane	6.10	83	16344	0.872 ug/L #	18
37) 1,2-Dichloropropane	6.10	63	7693	0.755 ug/L #	84
39) cis-1,3-Dichloropropene	7.00	75	2085	0.138 ug/L #	61
50) 2-Hexanone	8.16	43	2453	0.586 ug/L #	43
53) Chlorobenzene	8.90	112	13373	0.448 ug/L	90

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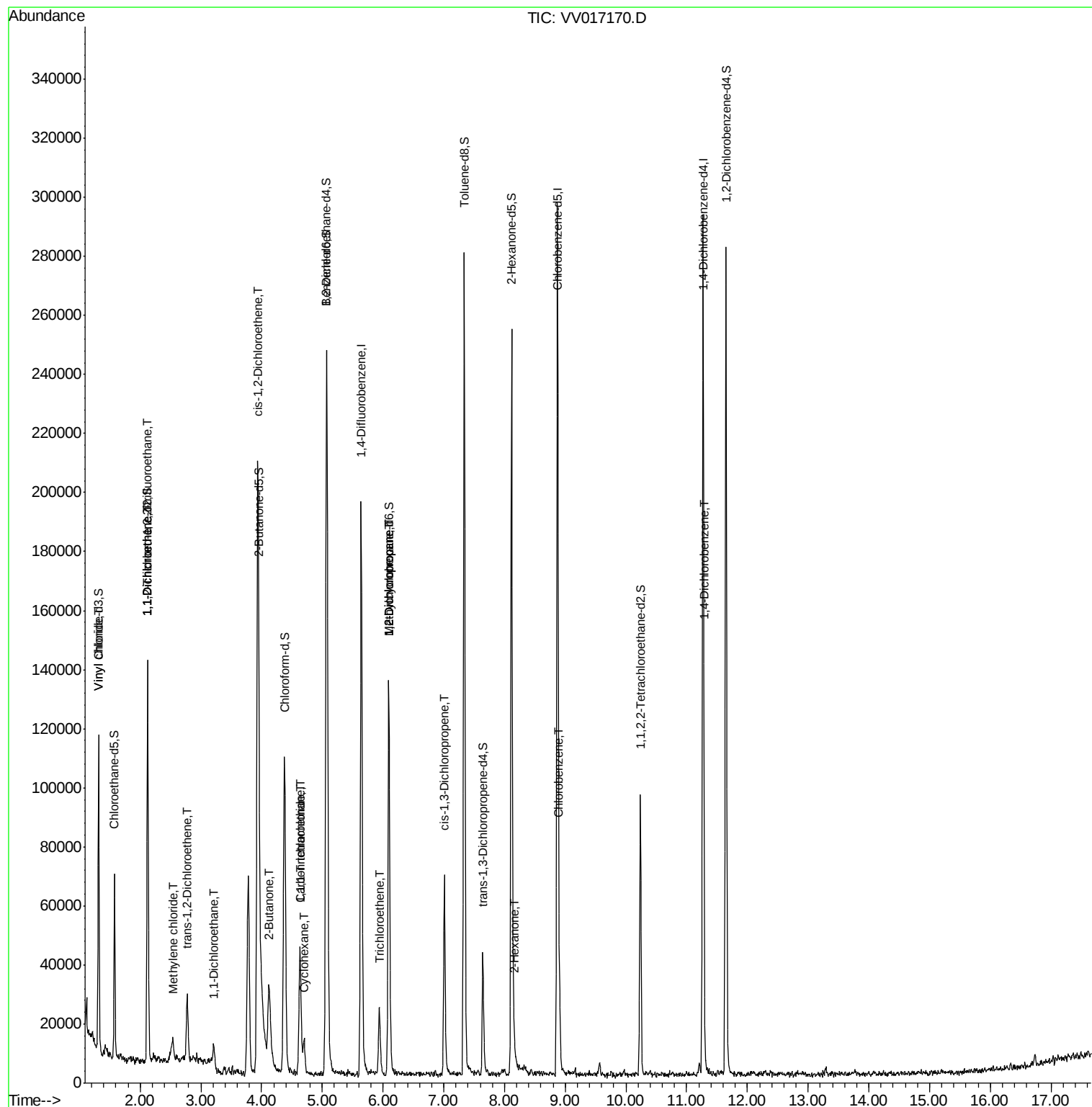
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	11.29	146	1472	0.066	ug/L #	52

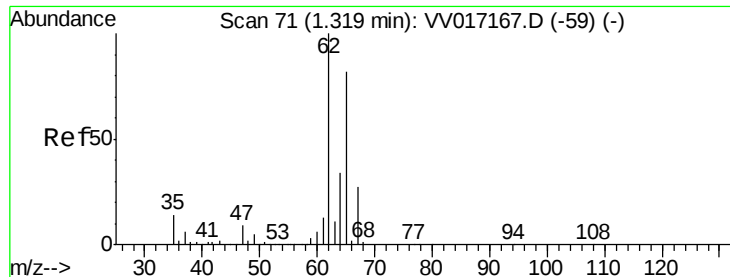
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV062520\
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#5

Vinyl chloride

Concen: 1.688 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

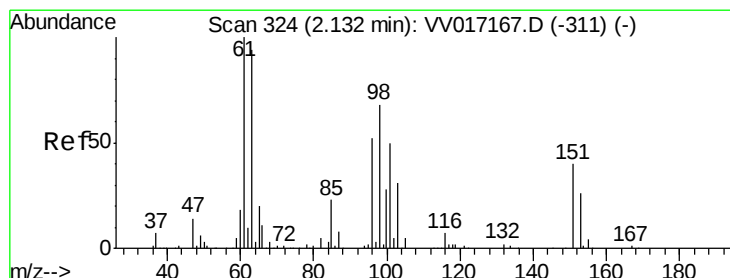
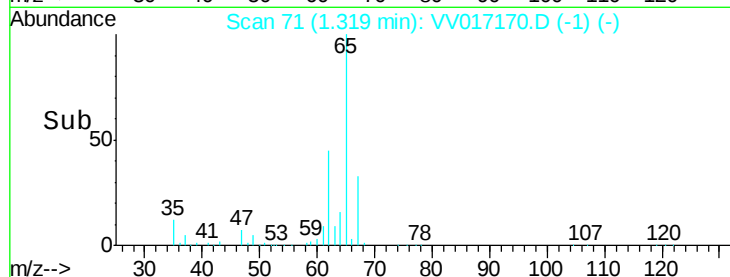
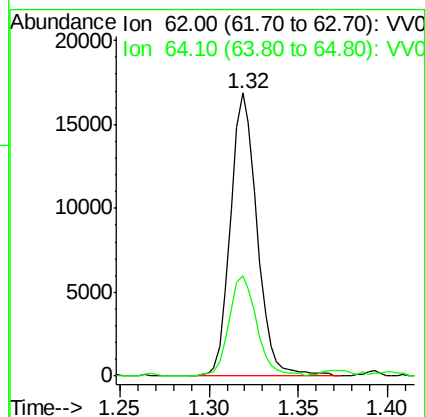
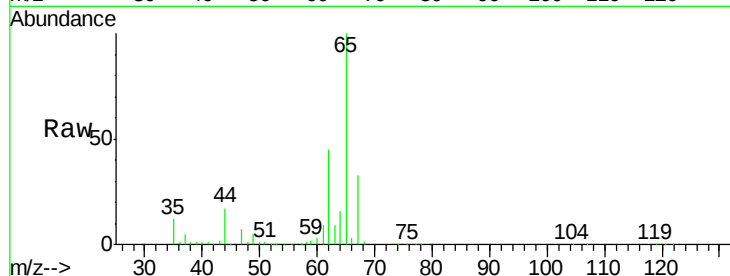
BFXP1DL

Tgt Ion: 62 Resp: 17549

Ion Ratio Lower Upper

62 100

64 35.7 22.5 41.7



#10

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

Concen: 0.096 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

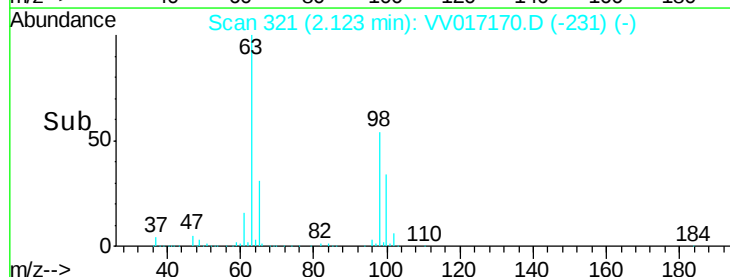
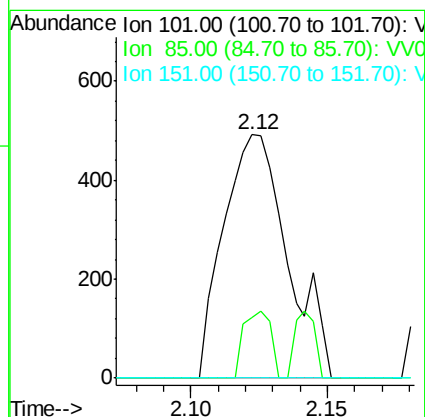
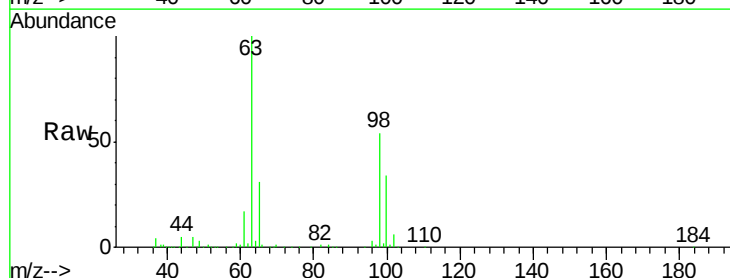
Tgt Ion: 101 Resp: 804

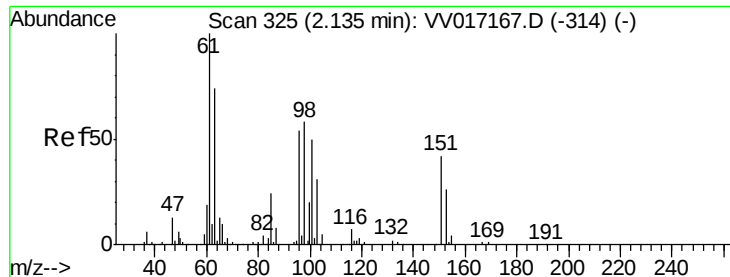
Ion Ratio Lower Upper

101 100

85 11.6 35.4 53.2#

151 0.0 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 0.455 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

BFXP1DL

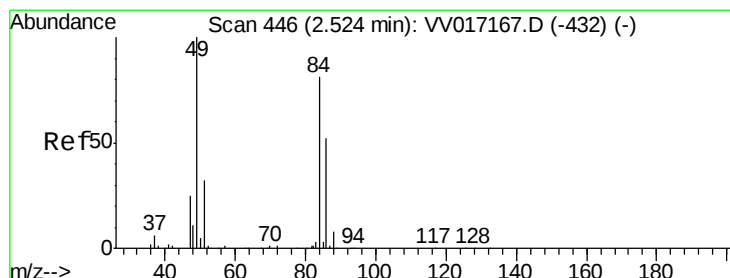
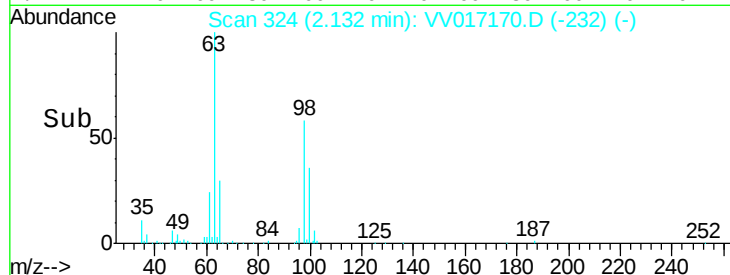
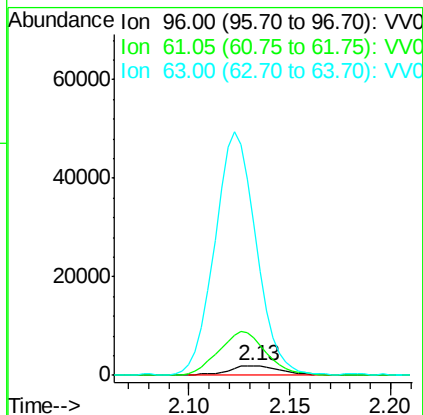
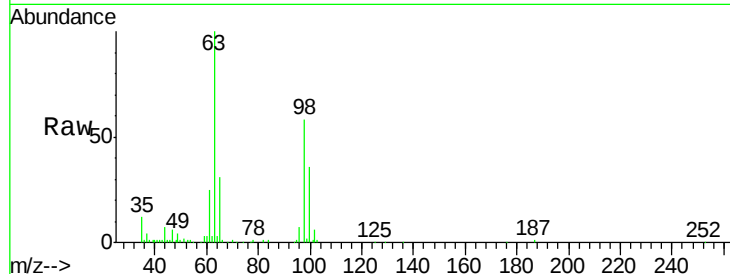
Tgt Ion: 96 Resp: 3460

Ion Ratio Lower Upper

96 100

61 376.1 125.0 232.2#

63 1518.2 109.8 203.8#



#16

Methylene chloride

Concen: 0.187 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

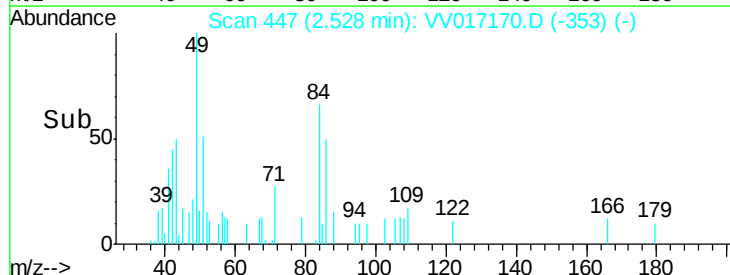
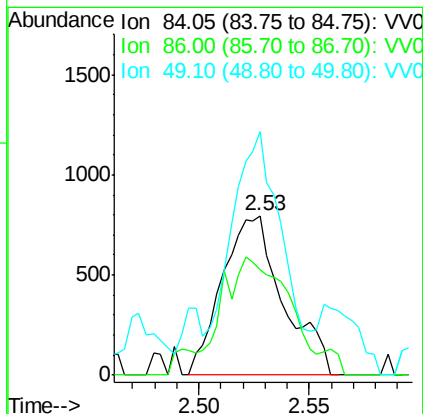
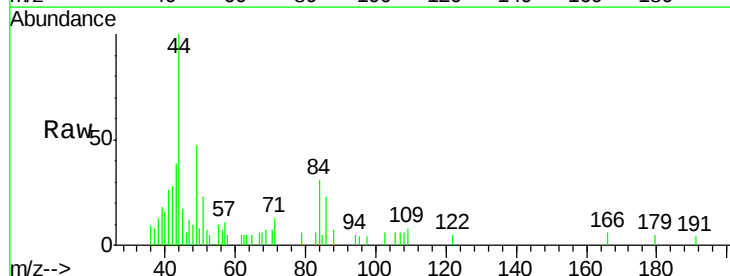
Tgt Ion: 84 Resp: 1526

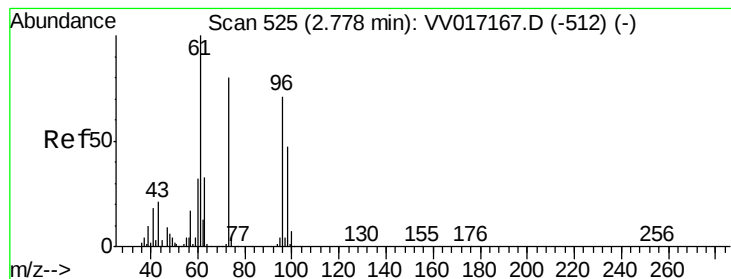
Ion Ratio Lower Upper

84 100

86 65.9 45.8 85.0

49 153.0 89.6 166.4





#18

trans-1,2-Dichloroethene

Concen: 0.129 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

BFXP1DL

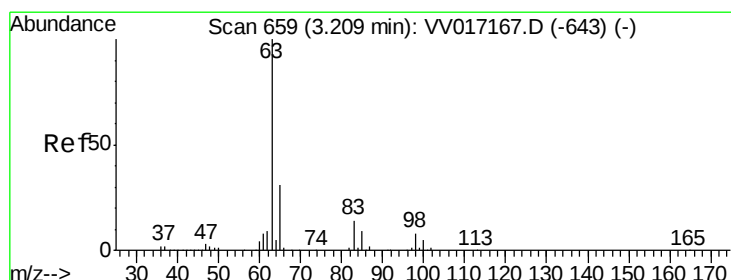
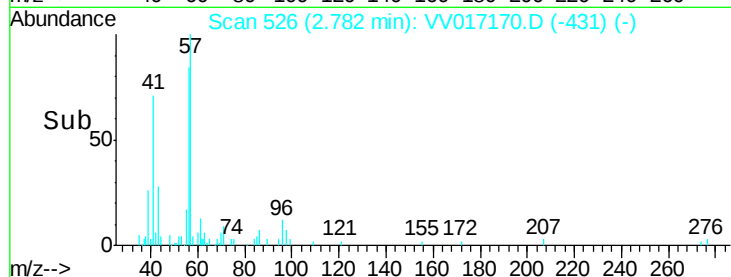
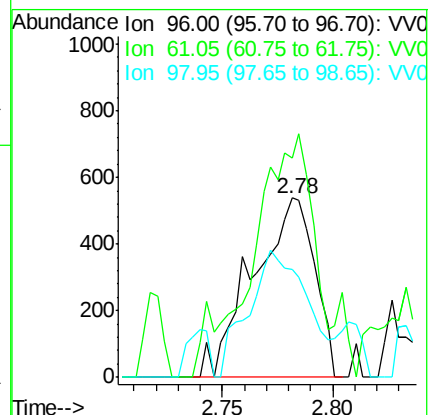
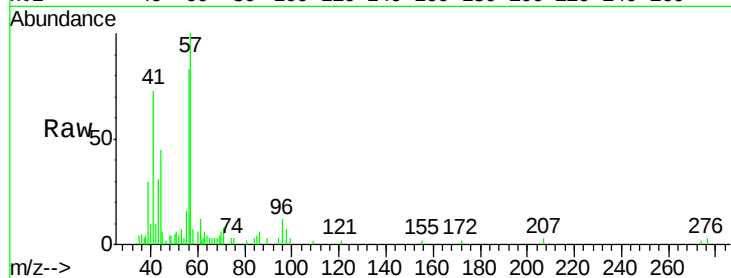
Tgt Ion: 96 Resp: 1036

Ion Ratio Lower Upper

96 100

61 122.7 102.3 189.9

98 60.0 44.7 82.9



#19

1,1-Dichloroethane

Concen: 0.439 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

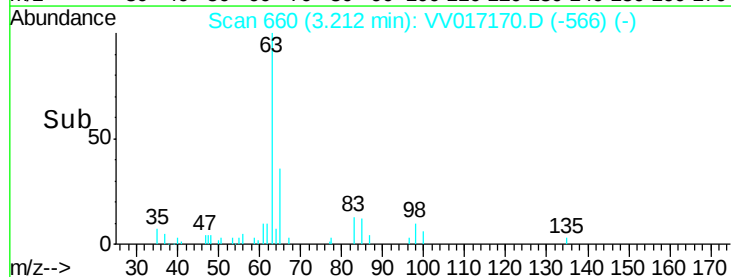
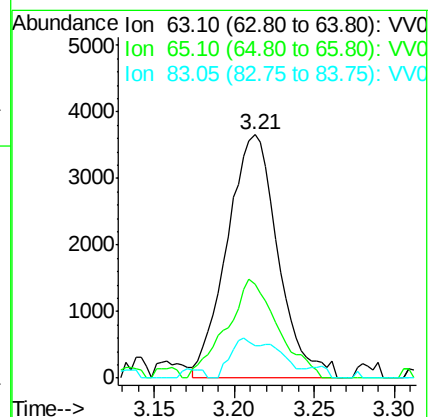
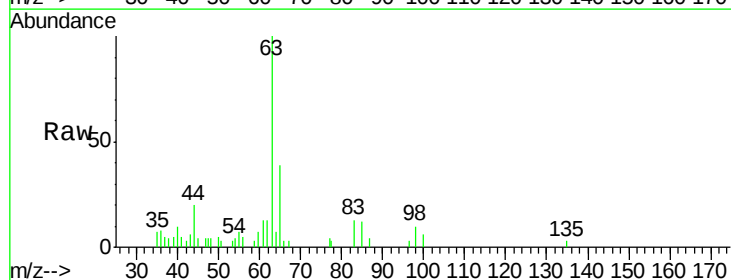
Tgt Ion: 63 Resp: 7956

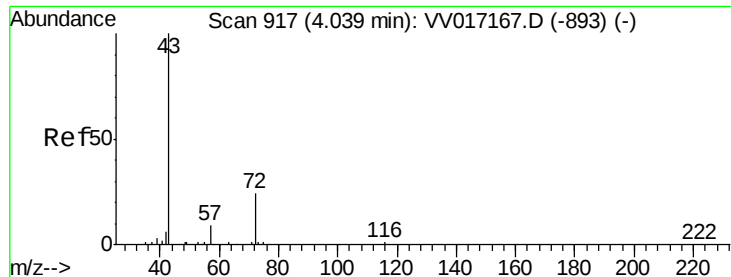
Ion Ratio Lower Upper

63 100

65 38.6 21.8 40.4

83 13.1 9.7 17.9





#21

2-Butanone

Concen: 22.336 ug/L

RT: 4.12 min Scan# 943

Delta R.T. 0.08 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

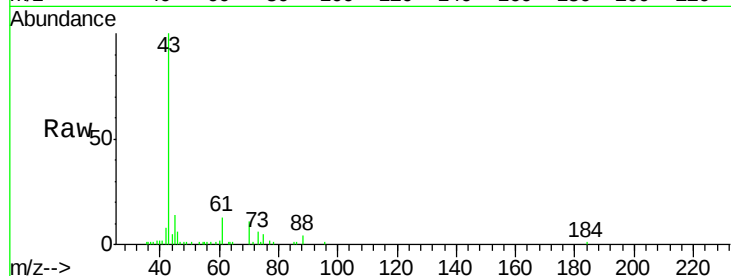
BFXP1DL

Tgt Ion: 43 Resp: 51578

Ion Ratio Lower Upper

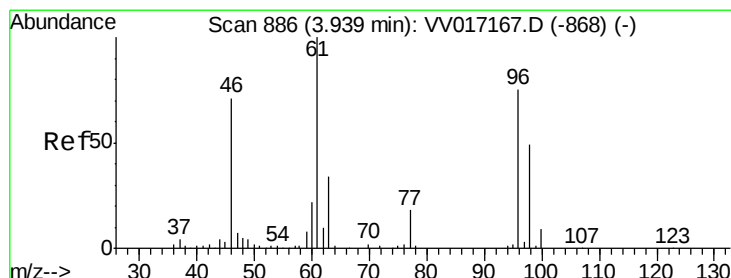
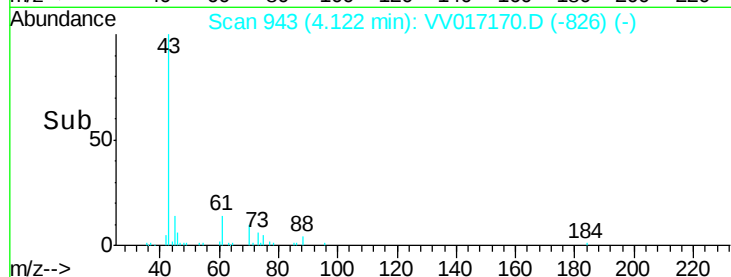
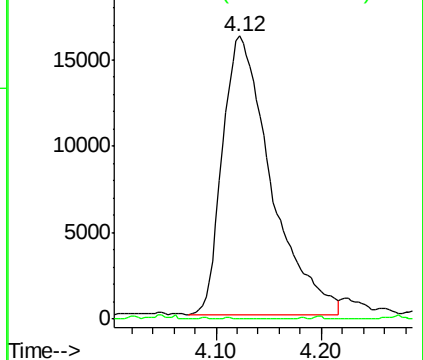
43 100

72 0.1 12.4 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 8.902 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

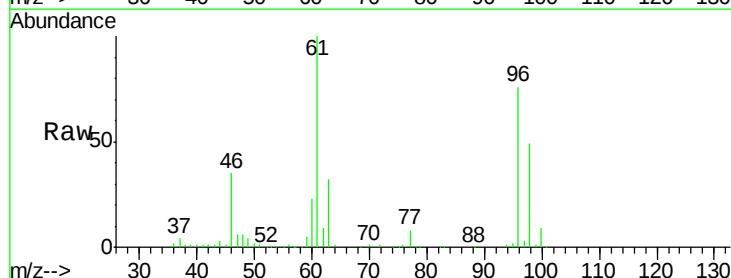
Tgt Ion: 96 Resp: 98079

Ion Ratio Lower Upper

96 100

61 132.0 91.0 169.0

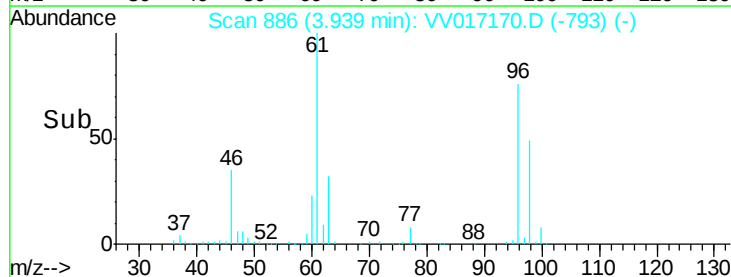
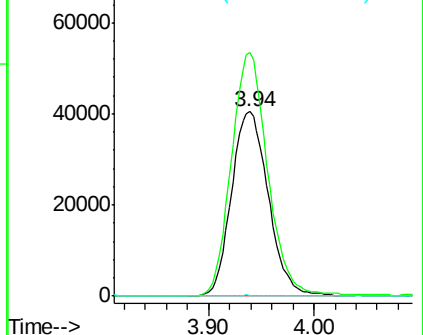
68 0.3 0.0 0.0#

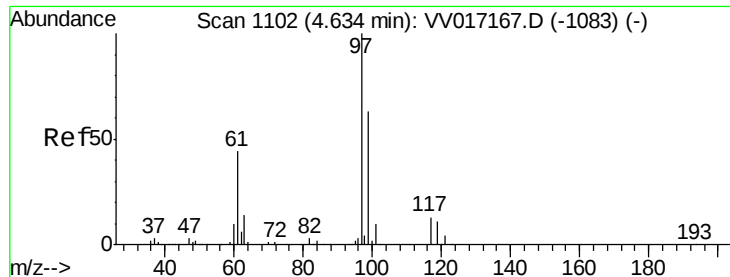


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

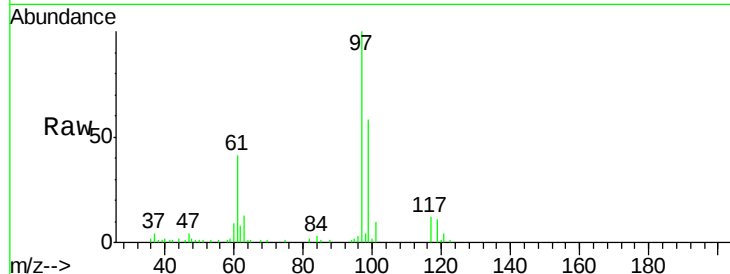




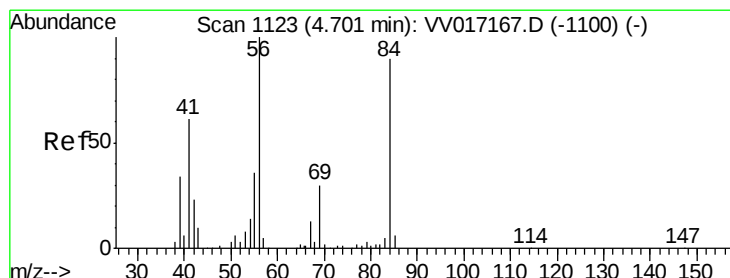
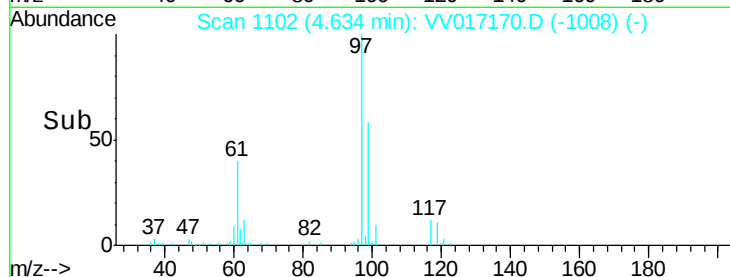
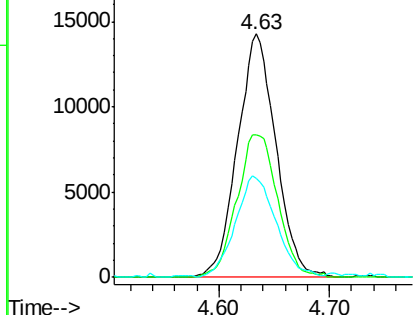
#29
 1,1,1-Trichloroethane
 Concen: 1.827 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017170.D
 Acq: 26 Jun 2020 09:59

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXP1DL

Tgt Ion: 97 Resp: 34423
 Ion Ratio Lower Upper
 97 100
 99 62.3 50.3 75.5
 61 44.2 36.0 54.0

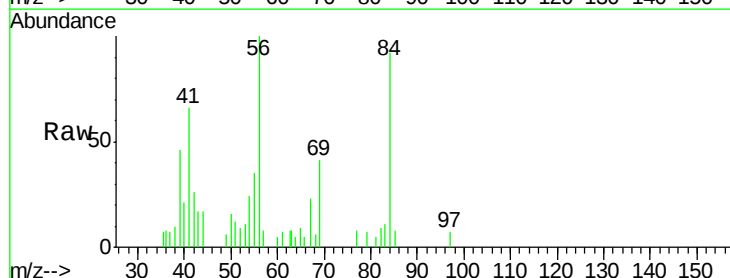


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

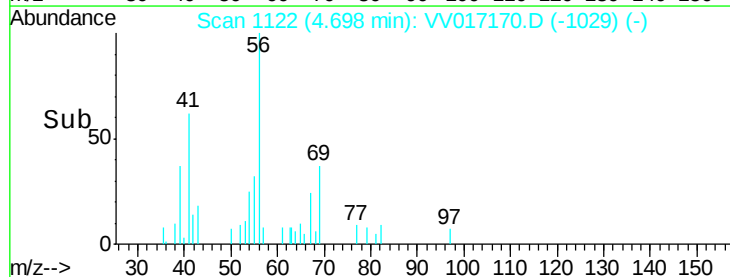
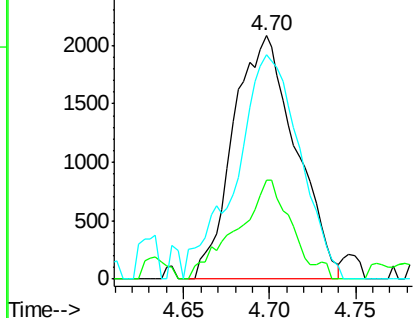


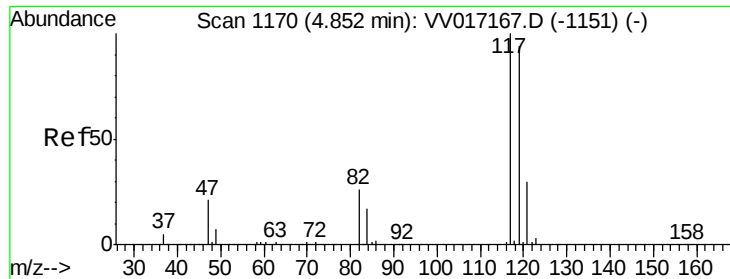
#30
 Cyclohexane
 Concen: 0.293 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV017170.D
 Acq: 26 Jun 2020 09:59

Tgt Ion: 56 Resp: 5256
 Ion Ratio Lower Upper
 56 100
 69 35.7 24.4 36.6
 84 94.0 69.9 104.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.253 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.21 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

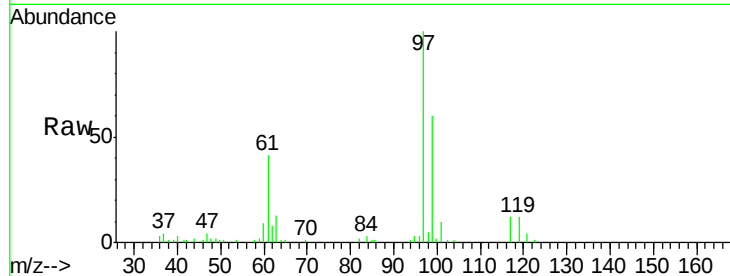
BFXP1DL

Tgt Ion: 117 Resp: 4308

Ion Ratio Lower Upper

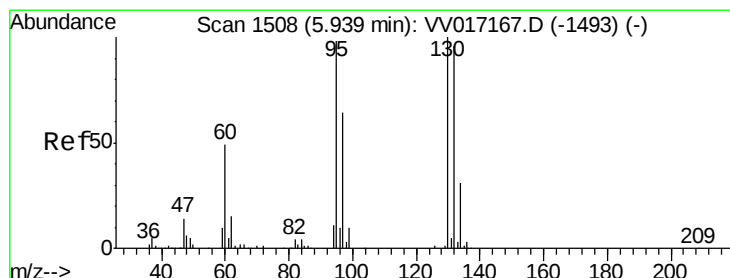
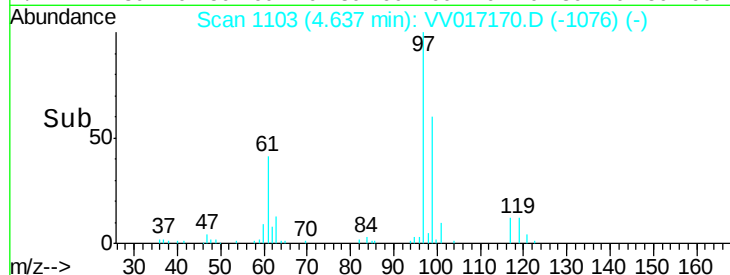
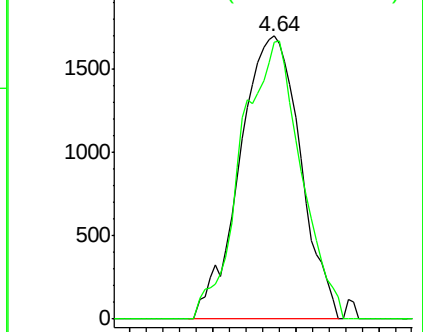
117 100

119 97.9 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: 0.645 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

Tgt Ion: 95 Resp: 7775

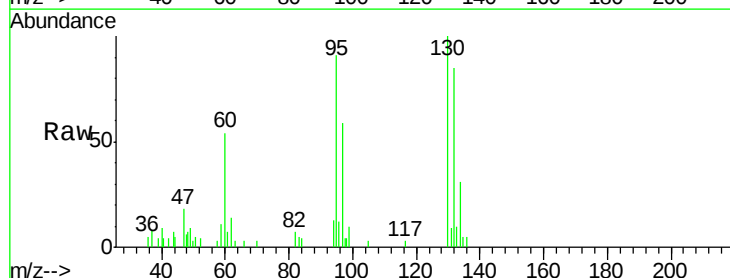
Ion Ratio Lower Upper

95 100

97 64.6 45.3 84.1

132 93.4 68.8 127.8

130 109.7 70.2 130.4

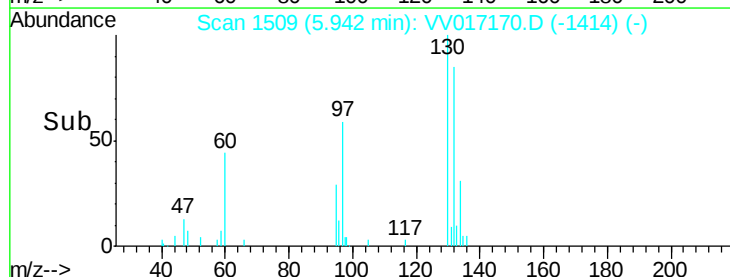
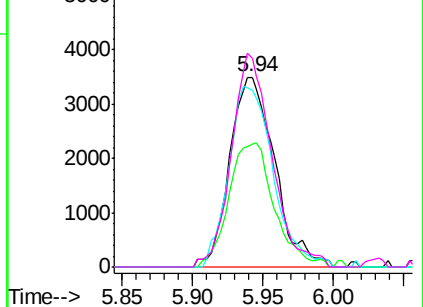


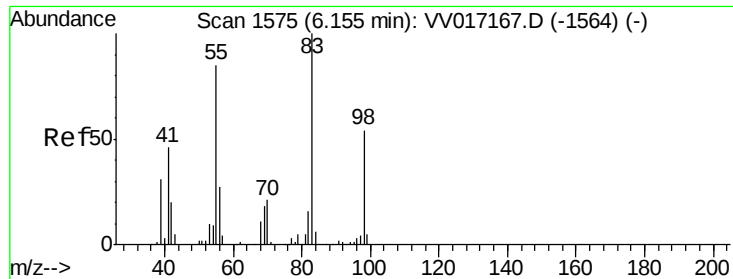
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

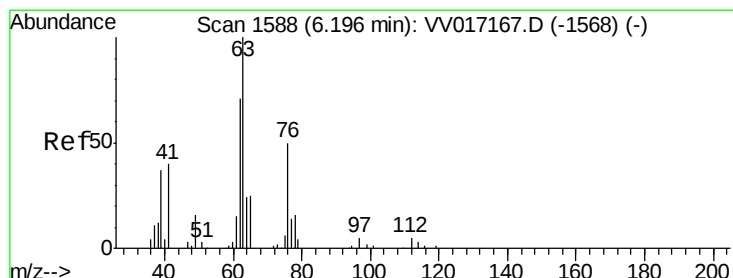
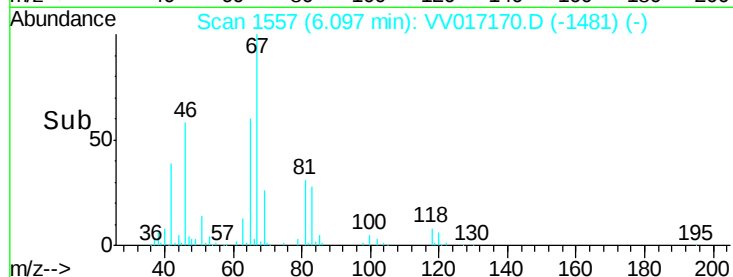
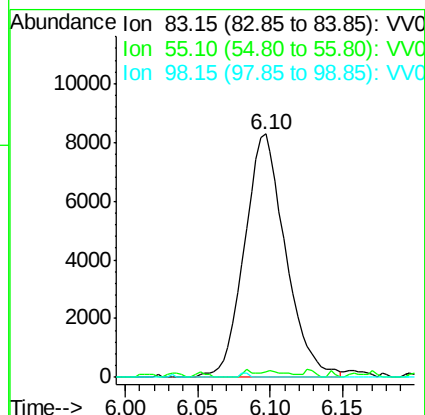
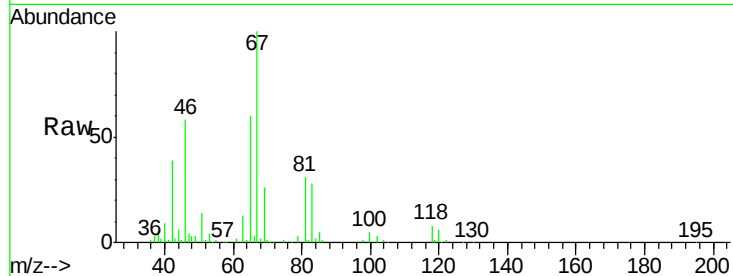




#35
Methylcyclohexane
Concen: 0.872 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017170.D
Acq: 26 Jun 2020 09:59

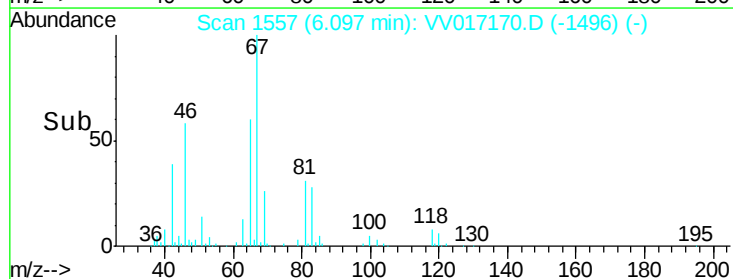
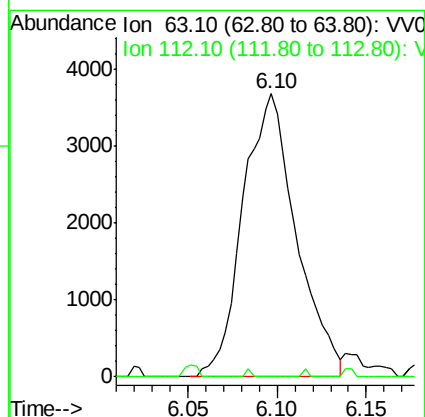
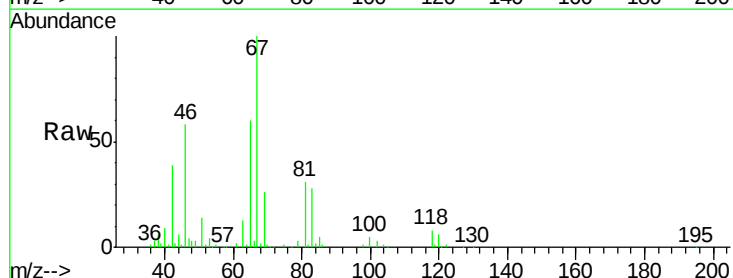
Instrument :
MSVOA_V
ClientSampled :
BFXP1DL

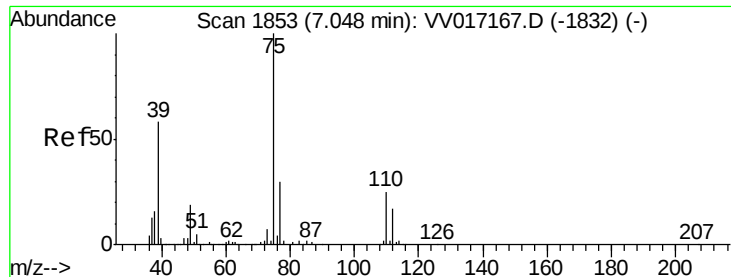
Tgt Ion: 83 Resp: 16344
Ion Ratio Lower Upper
83 100
55 1.7 63.6 95.4#
98 0.0 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.755 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017170.D
Acq: 26 Jun 2020 09:59

Tgt Ion: 63 Resp: 7693
Ion Ratio Lower Upper
63 100
112 0.3 4.4 6.6#

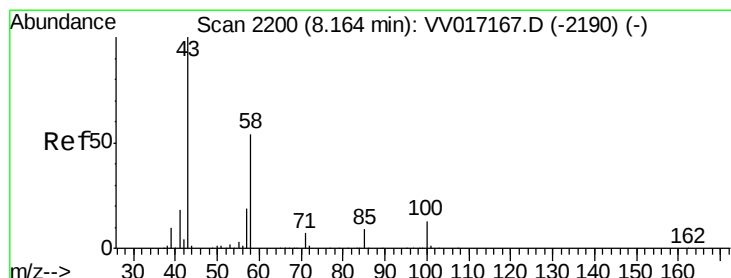
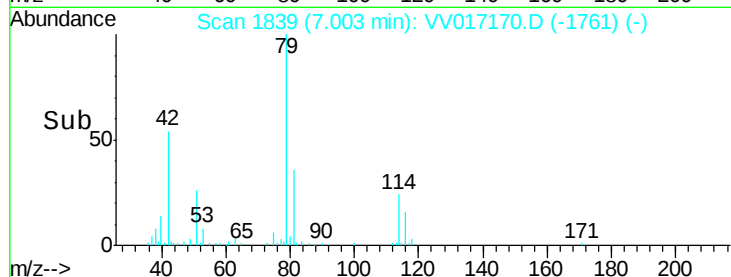
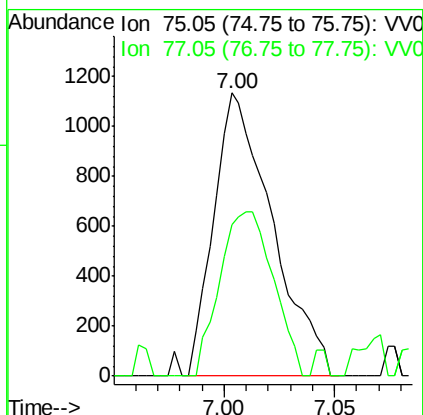
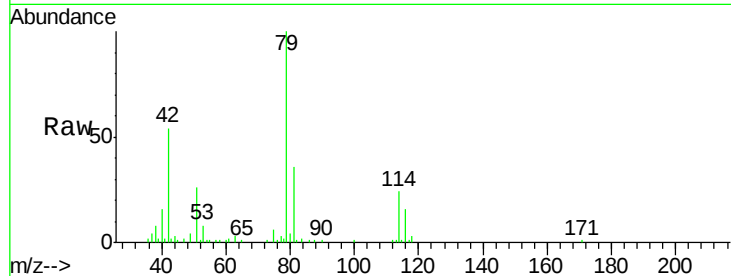




#39
 cis-1,3-Dichloropropene
 Concen: 0.138 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.05 min
 Lab File: VV017170.D
 Acq: 26 Jun 2020 09:59

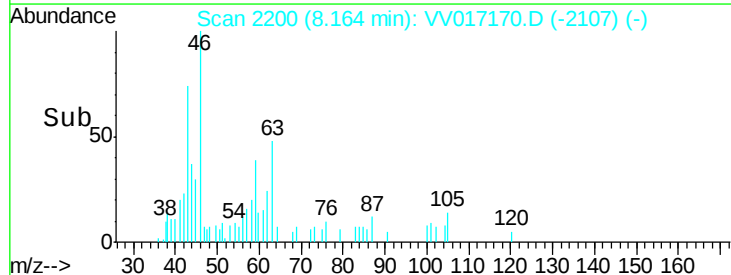
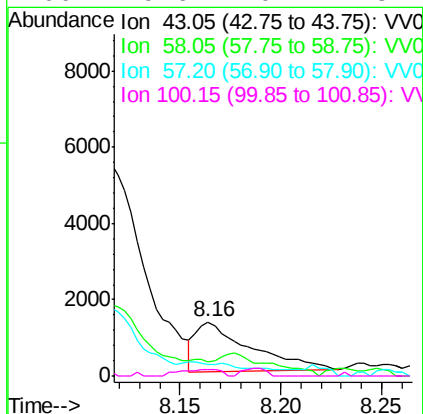
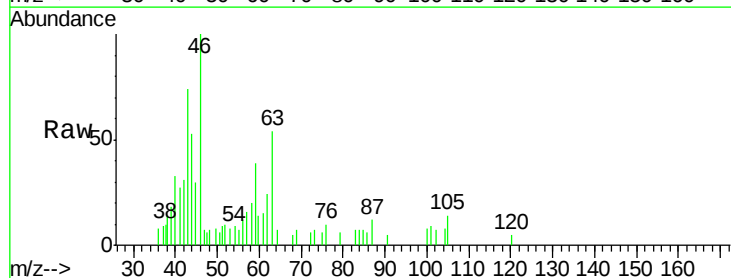
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXP1DL

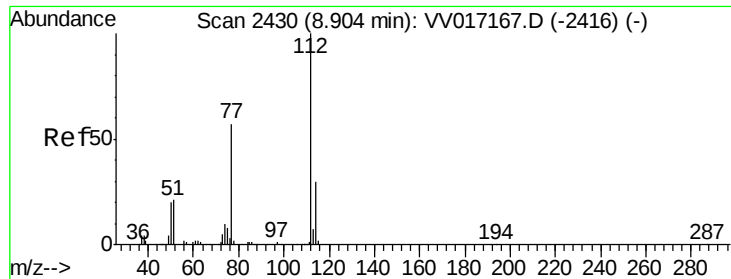
Tgt Ion: 75 Resp: 2085
 Ion Ratio Lower Upper
 75 100
 77 53.4 22.3 41.5#



#50
 2-Hexanone
 Concen: 0.586 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VV017170.D
 Acq: 26 Jun 2020 09:59

Tgt Ion: 43 Resp: 2453
 Ion Ratio Lower Upper
 43 100
 58 0.0 41.6 62.4#
 57 0.0 15.4 23.0#
 100 9.6 10.1 15.1#





#53

Chlorobenzene

Concen: 0.448 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

Instrument :

MSVOA_V

ClientSampleId :

BFXP1DL

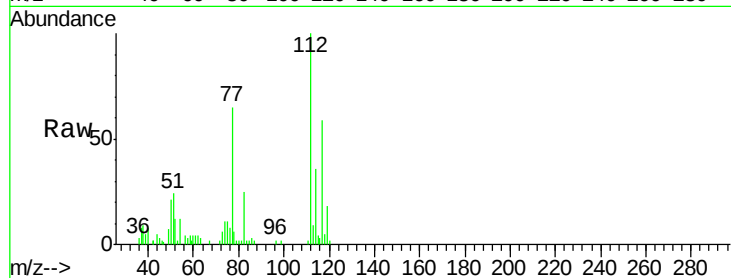
Tgt Ion:112 Resp: 13373

Ion Ratio Lower Upper

112 100

114 36.1 22.0 41.0

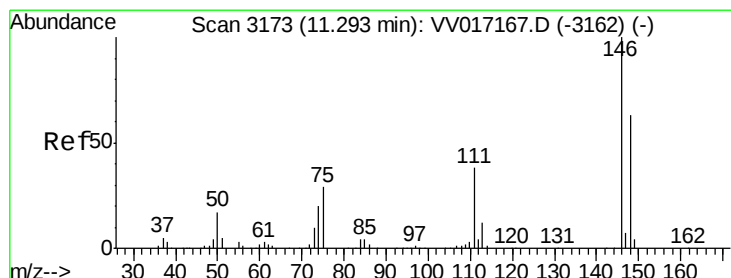
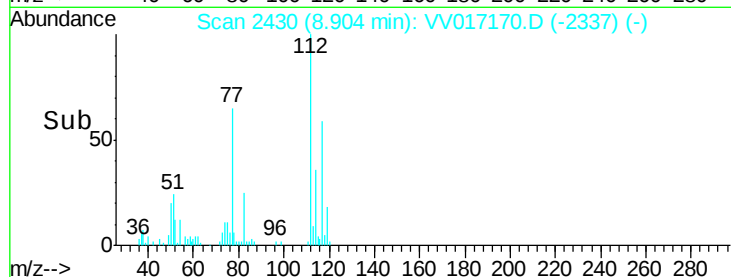
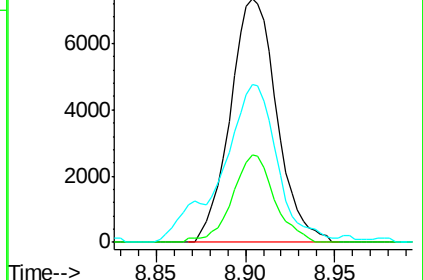
77 65.1 46.0 69.0



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): V



#64

1,4-Dichlorobenzene

Concen: 0.066 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017170.D

Acq: 26 Jun 2020 09:59

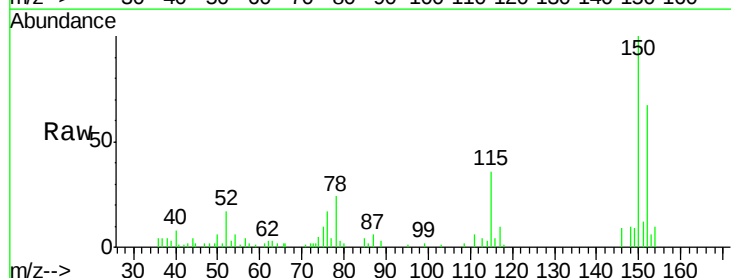
Tgt Ion:146 Resp: 1472

Ion Ratio Lower Upper

146 100

111 65.1 27.4 50.8#

148 103.5 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

