

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017086.D
 Acq On : 24 Jun 2020 21:05
 Operator : SY/MD
 Sample : L3105-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL3

Quant Time: Jun 25 03:46:23 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	158272	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	152317	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	68033	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38714	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.58	69	31897	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.13	63	71123	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	3.93	46	122928	50.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.56%
24) Chloroform-d	4.38	84	99237	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	54484	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.08	84	192579	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.10	67	56552	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.34	98	172977	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
45) trans-1,3-Dichloropropene-	7.64	79	22022	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
48) 2-Hexanone-d5	8.11	63	88390	47.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.16%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41538	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	68860	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	34157	3.289	ug/L	97
12) 1,1-Dichloroethene	2.14	96	17792	2.342	ug/L #	65
13) Acetone	2.20	43	9174	7.496	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	11566	1.437	ug/L	96
19) 1,1-Dichloroethane	3.21	63	410126	22.677	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	490739	44.583	ug/L	99
25) Chloroform	4.41	83	30845	1.561	ug/L	96
27) 1,2-Dichloroethane	5.16	62	32684	2.663	ug/L	97
29) 1,1,1-Trichloroethane	4.64	97	90484	4.958	ug/L	98
30) Cyclohexane	4.70	56	6042	0.348	ug/L	96
33) Benzene	5.13	78	5491	0.138	ug/L	100
34) Trichloroethene	5.94	95	71476	6.119	ug/L	96
47) 1,1,2-Trichloroethane	7.86	97	37841	5.403	ug/L	97
49) Tetrachloroethene	8.00	164	1904	0.203	ug/L	96
53) Chlorobenzene	8.90	112	89326	3.090	ug/L	99
63) 1,3-Dichlorobenzene	11.21	146	2573	0.126	ug/L	93
64) 1,4-Dichlorobenzene	11.29	146	5558	0.267	ug/L	88

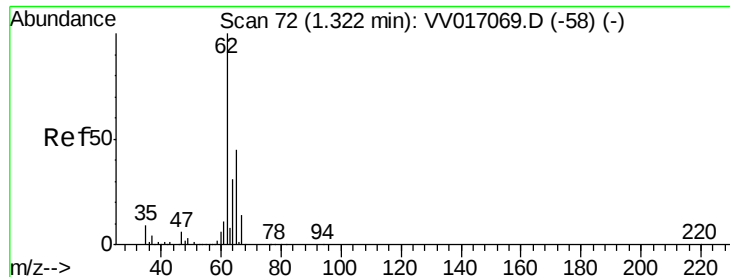
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
Data File : VV017086.D
Acq On : 24 Jun 2020 21:05
Operator : SY/MD
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dichlorobenzene	11.67	146	4244	0.228	ug/L	92

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



#5

Vinyl chloride

Concen: 3.289 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

Instrument :

MSVOA_V

ClientSampled :

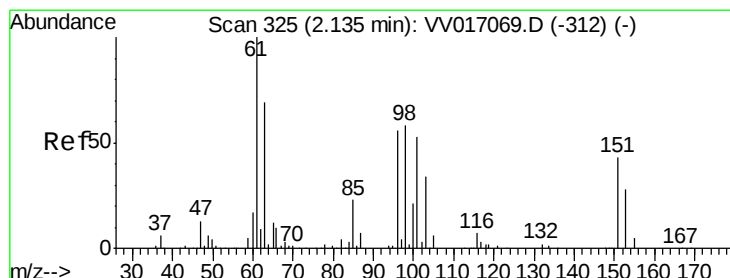
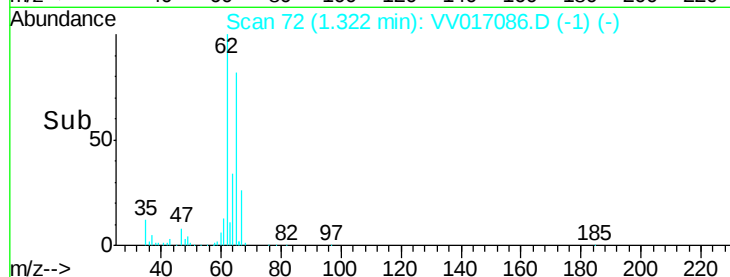
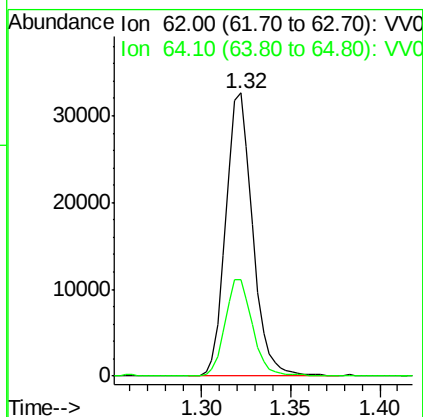
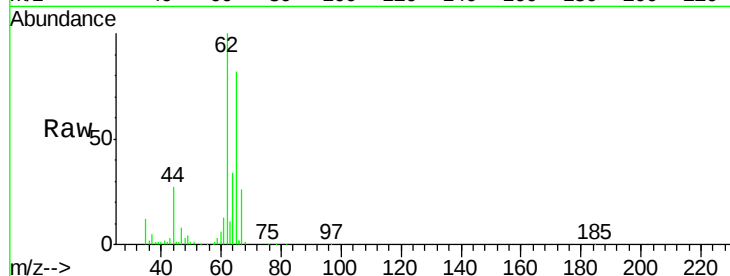
BFXL3

Tot Ion: 62 Resp: 34157

Ion Ratio Lower Upper

62 100

64 33.9 22.5 41.7



#12

1,1-Dichloroethene

Concen: 2.342 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

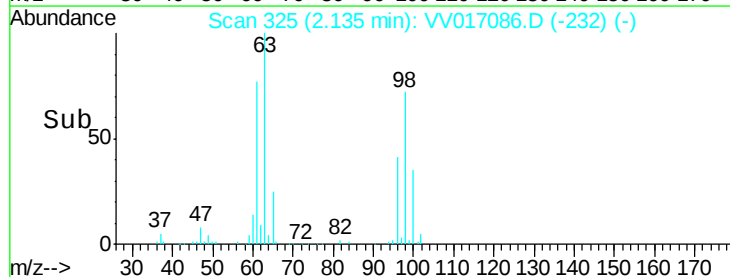
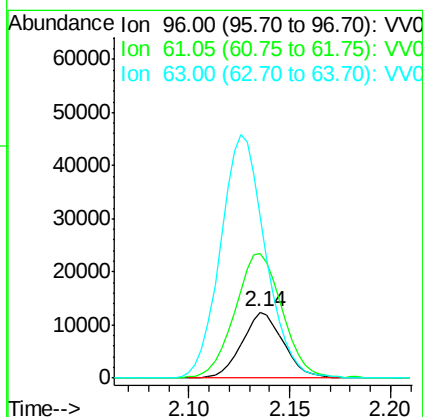
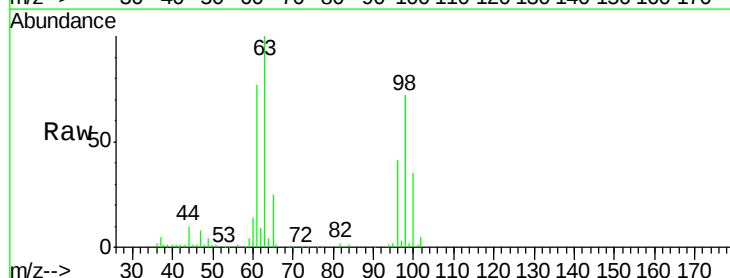
Tgt Ion: 96 Resp: 17792

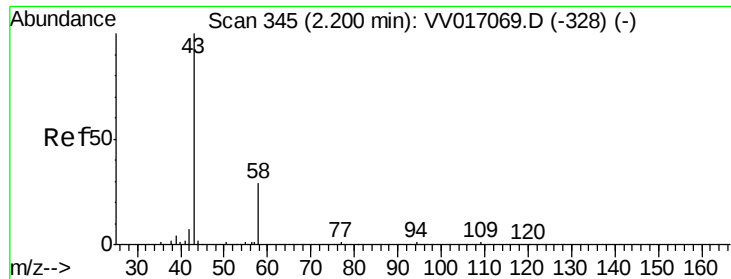
Ion Ratio Lower Upper

96 100

61 188.6 125.0 232.2

63 244.3 109.8 203.8#





#13

Acetone

Concen: 7.496 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

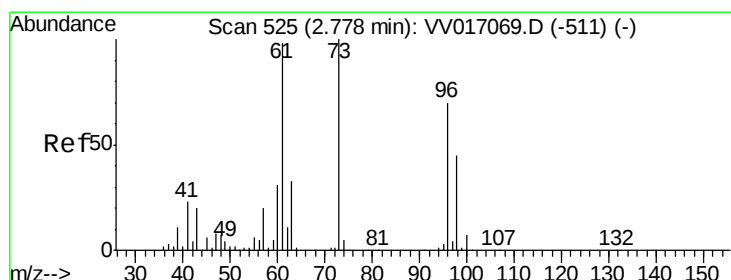
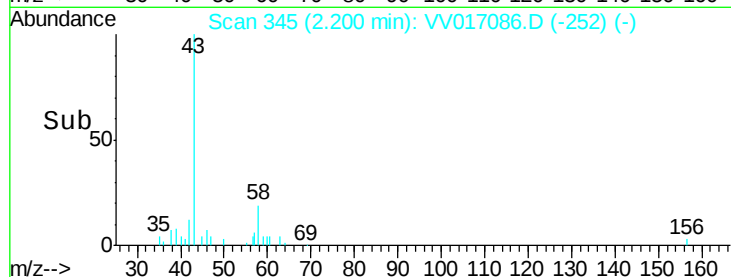
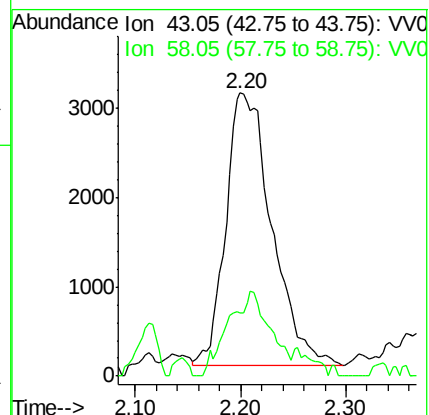
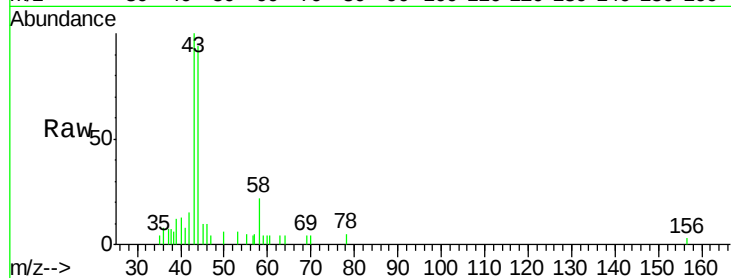
BFXL3

Tot Ion: 43 Resp: 9174

Ion Ratio Lower Upper

43 100

58 28.9 0.0 58.4



#18

trans-1,2-Dichloroethene

Concen: 1.437 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

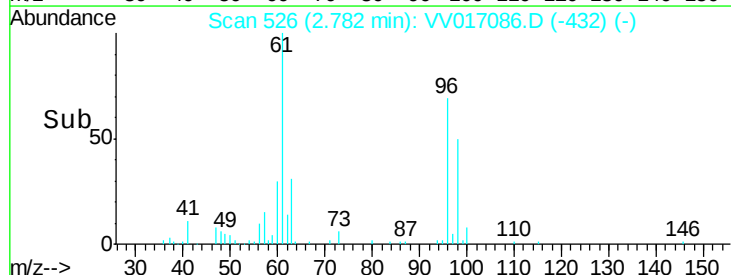
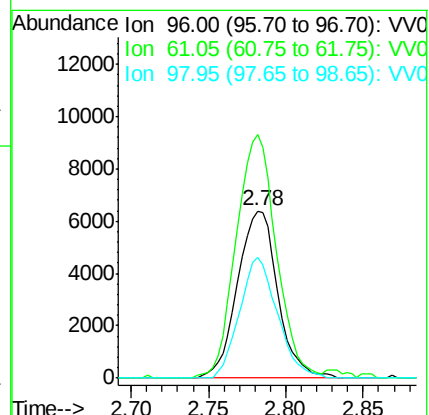
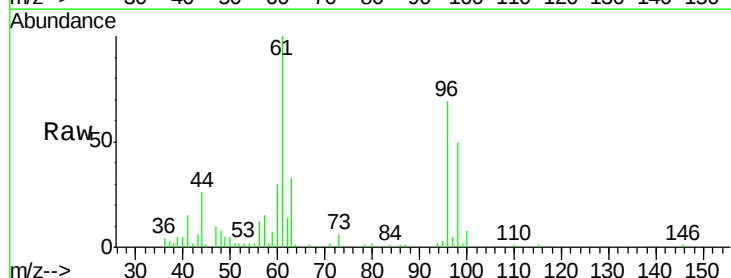
Tgt Ion: 96 Resp: 11566

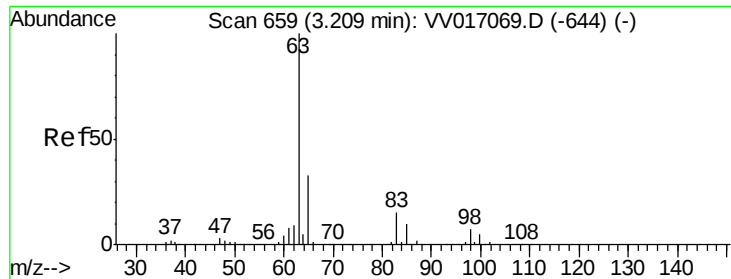
Ion Ratio Lower Upper

96 100

61 145.4 102.3 189.9

98 72.4 44.7 82.9





#19

1,1-Dichloroethane

Concen: 22.677 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

Instrument :

MSVOA_V

ClientSampled :

BFXL3

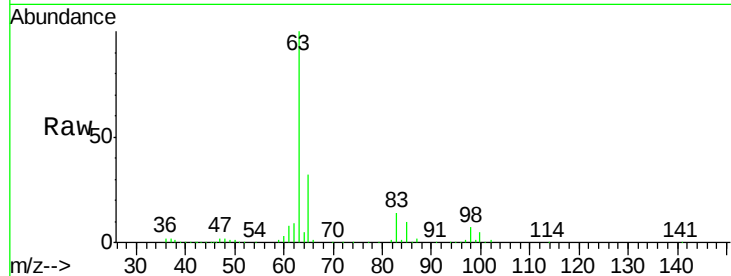
Tot Ion: 63 Resp: 410126

Ion Ratio Lower Upper

63 100

65 32.1 21.8 40.4

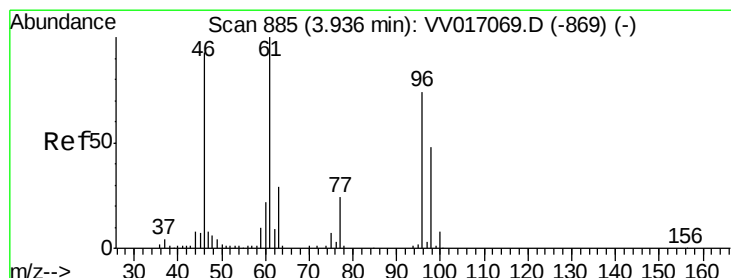
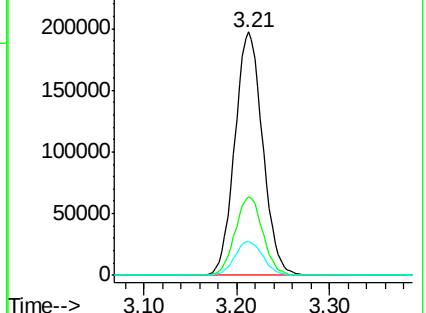
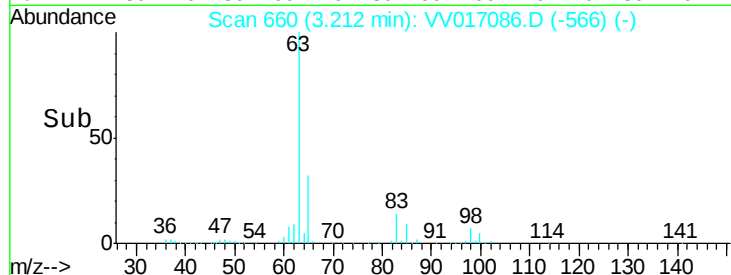
83 13.8 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 44.583 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

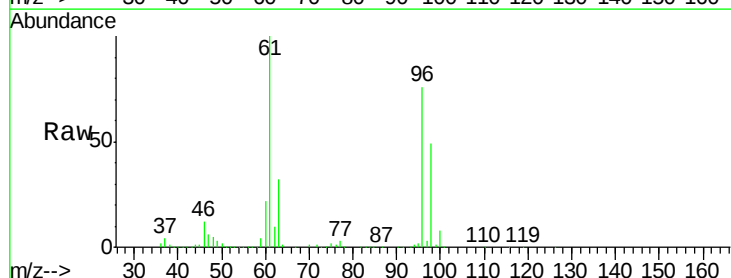
Tgt Ion: 96 Resp: 490739

Ion Ratio Lower Upper

96 100

61 131.3 91.0 169.0

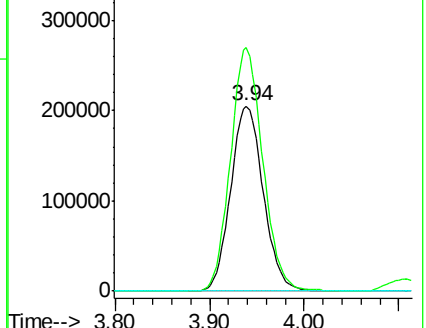
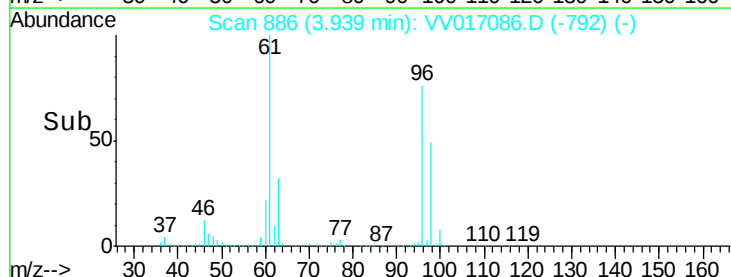
68 0.0 0.0 0.0

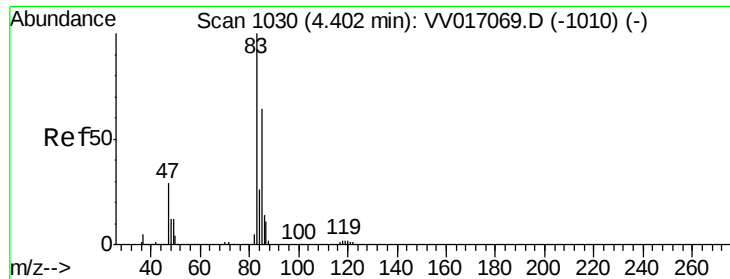


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#25

Chloroform

Concen: 1.561 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

Instrument :

MSVOA_V

ClientSampled :

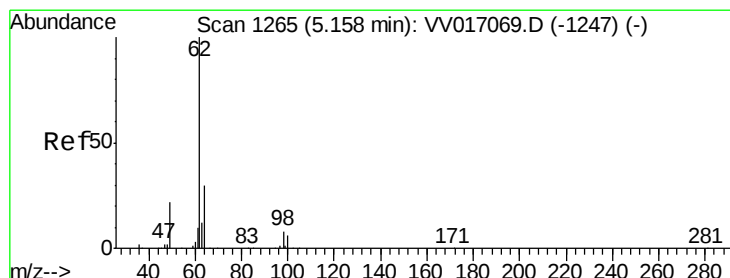
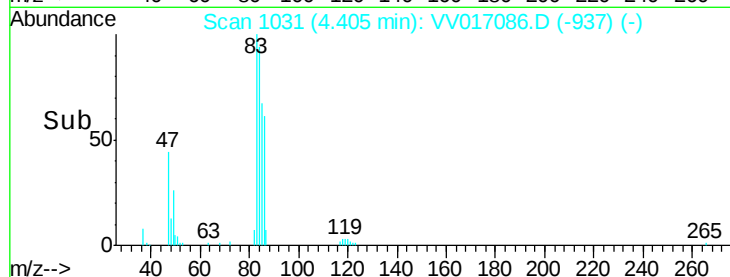
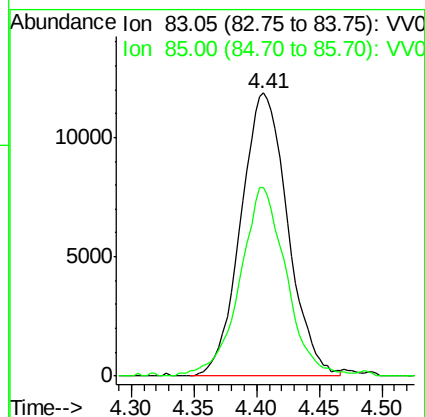
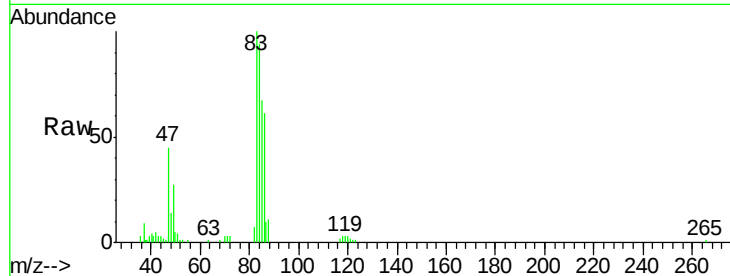
BFXL3

Tot Ion: 83 Resp: 30845

Ion Ratio Lower Upper

83 100

85 66.6 44.2 82.2



#27

1,2-Dichloroethane

Concen: 2.663 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VV017086.D

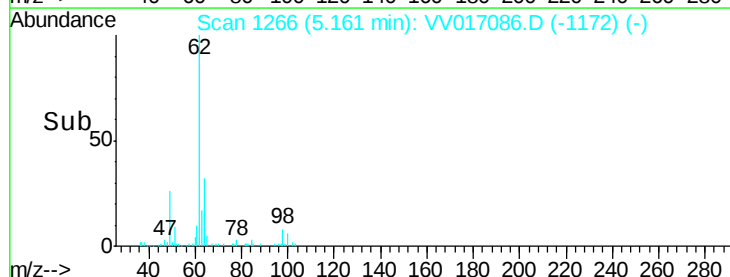
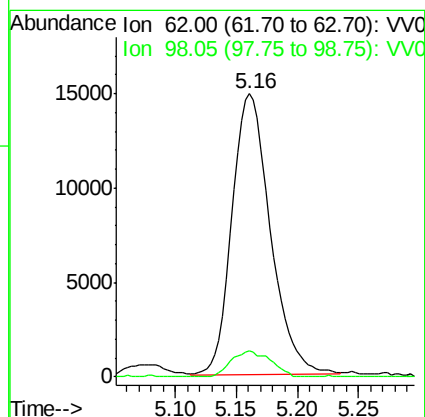
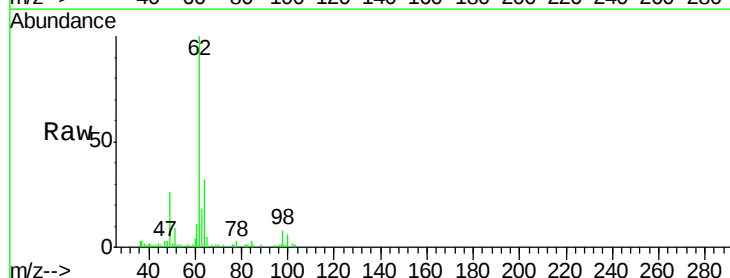
Acq: 24 Jun 2020 21:05

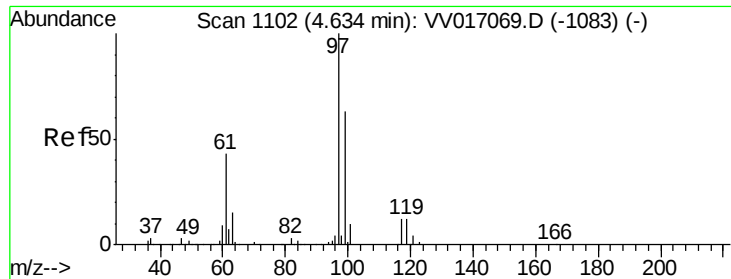
Tgt Ion: 62 Resp: 32684

Ion Ratio Lower Upper

62 100

98 9.3 6.7 10.1

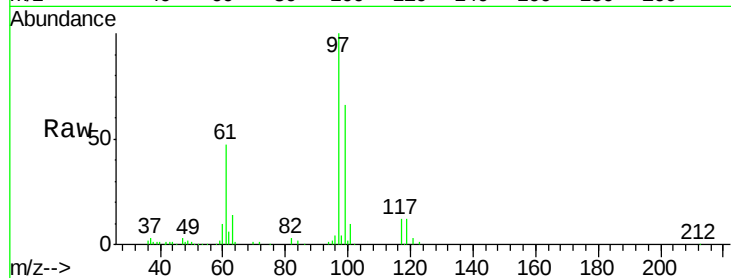




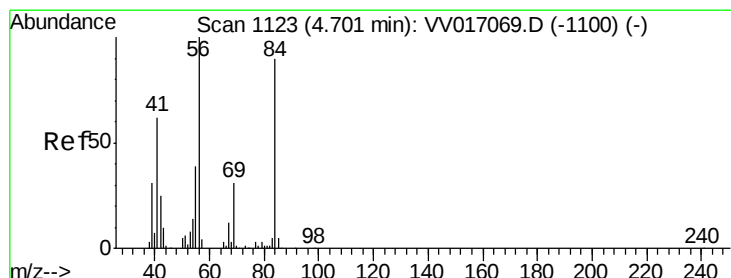
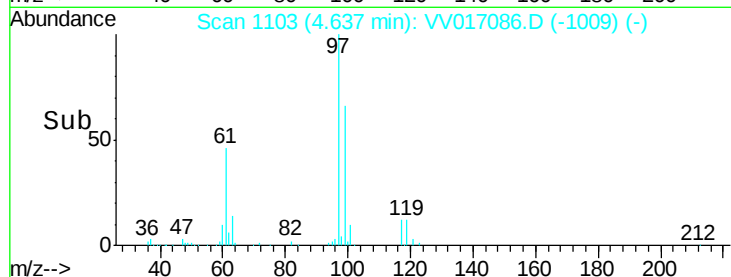
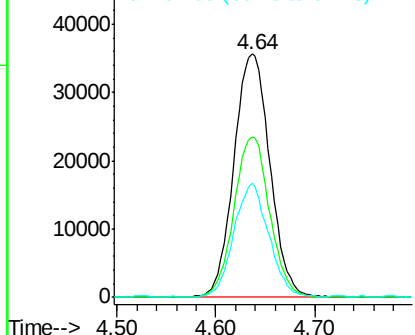
#29
1,1,1-Trichloroethane
Concen: 4.958 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV017086.D
Acq: 24 Jun 2020 21:05

Instrument :
MSVOA_V
ClientSampled :
BFXL3

Tot Ion: 97 Resp: 90484
Ion Ratio Lower Upper
97 100
99 65.3 50.3 75.5
61 45.7 36.0 54.0

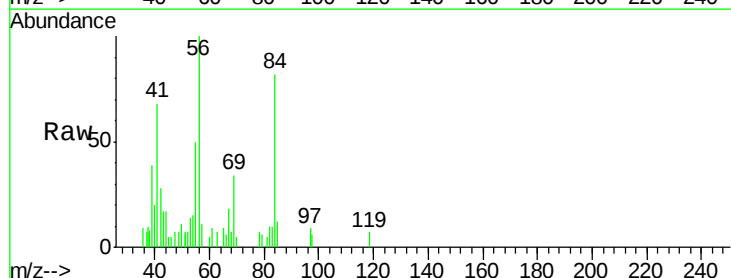


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

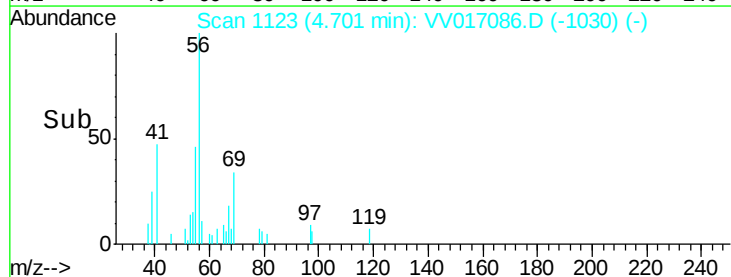
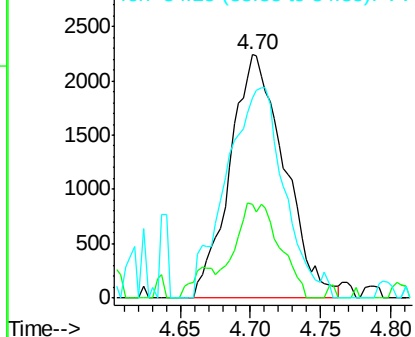


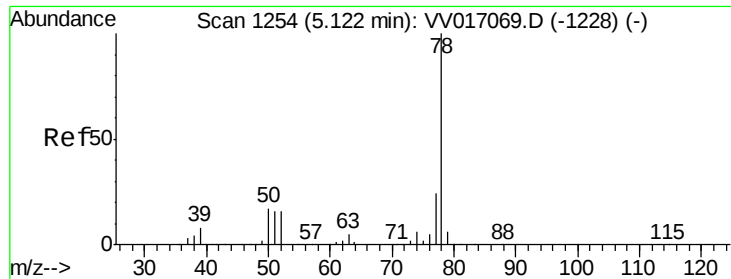
#30
Cyclohexane
Concen: 0.348 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017086.D
Acq: 24 Jun 2020 21:05

Tgt Ion: 56 Resp: 6042
Ion Ratio Lower Upper
56 100
69 32.0 24.4 36.6
84 92.0 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





#33

Benzene

Concen: 0.138 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

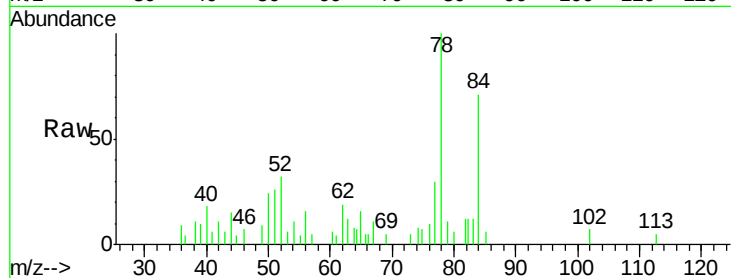
Instrument :

MSVOA_V

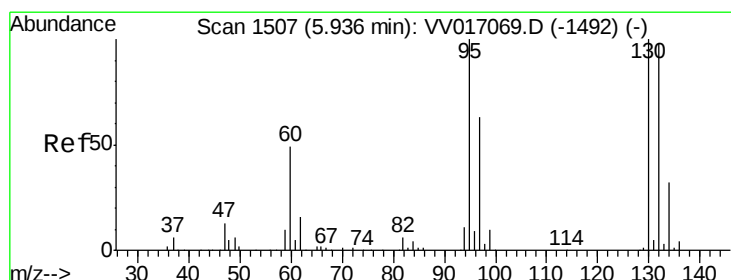
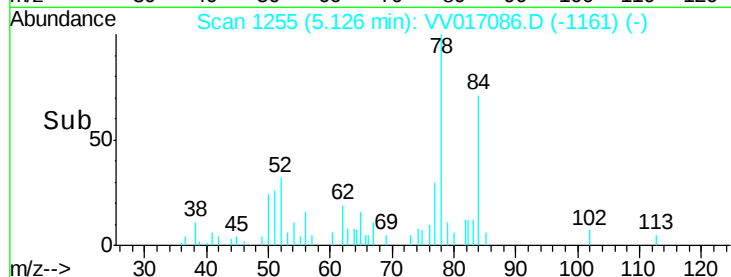
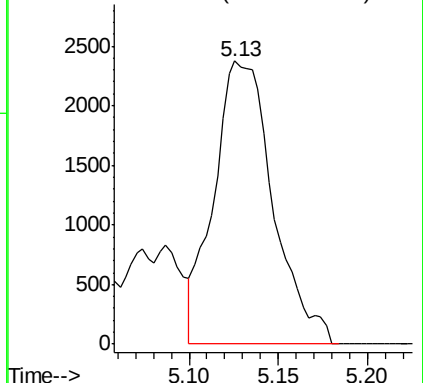
ClientSampleId :

BFXL3

Tgt Ion: 78 Resp: 5491



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.119 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

Tgt Ion: 95 Resp: 71476

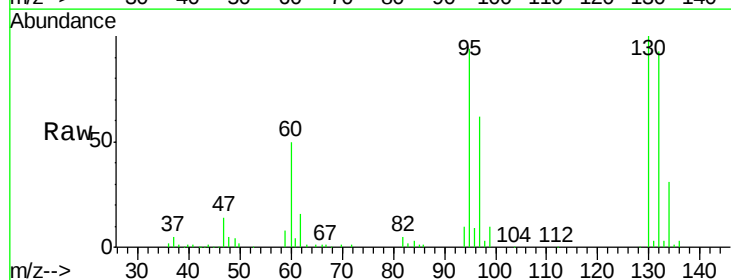
Ion Ratio Lower Upper

95 100

97 66.5 45.3 84.1

132 99.5 68.8 127.8

130 106.8 70.2 130.4

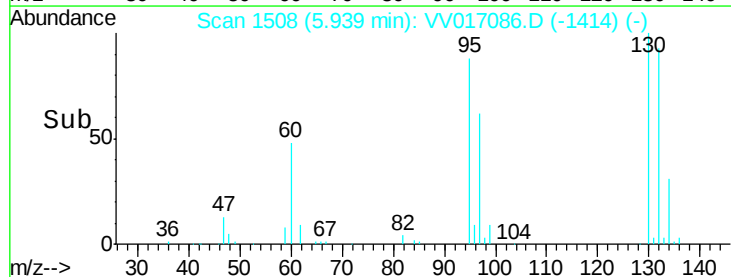
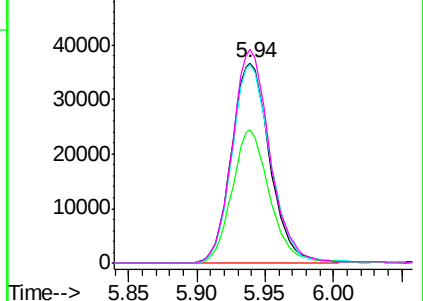


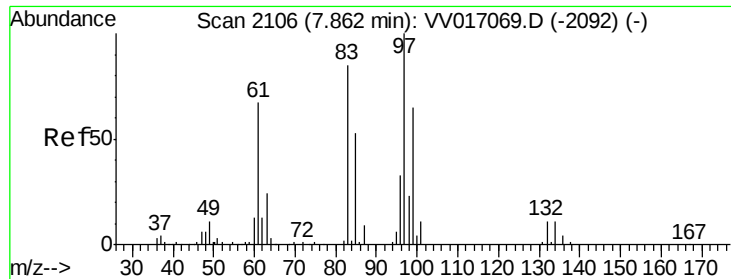
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

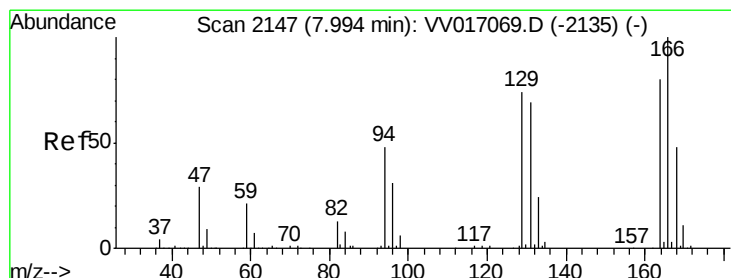
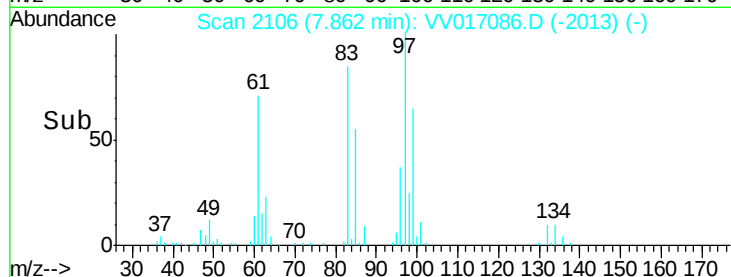
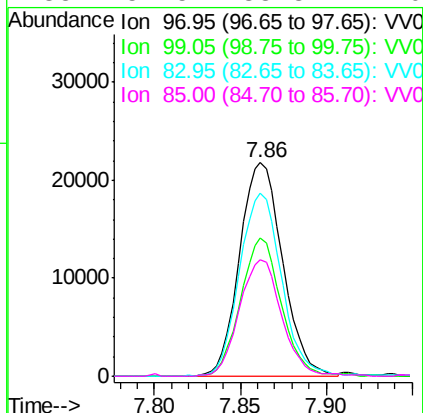
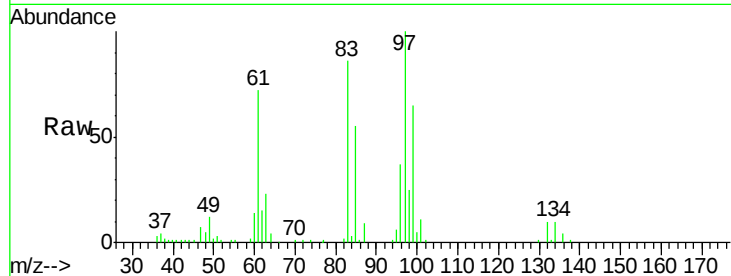




#47
 1,1,2-Trichloroethane
 Concen: 5.403 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV017086.D
 Acq: 24 Jun 2020 21:05

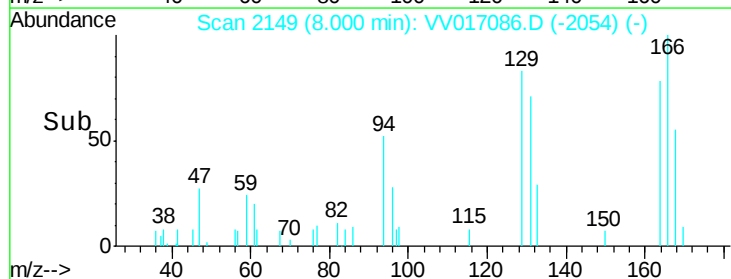
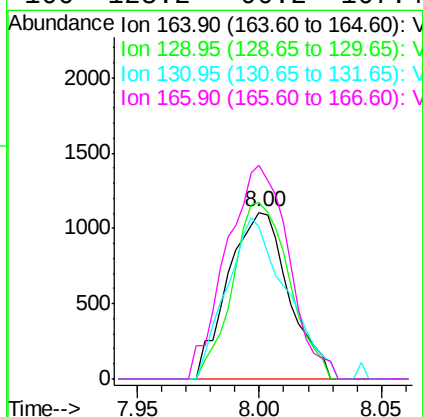
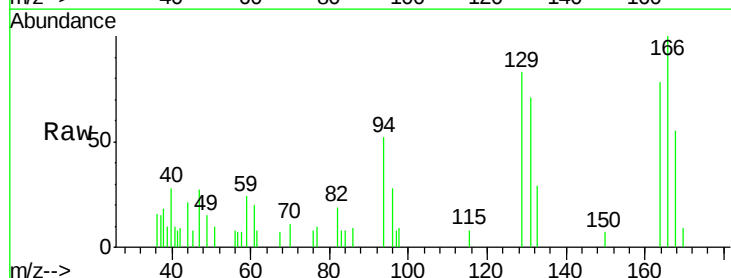
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL3

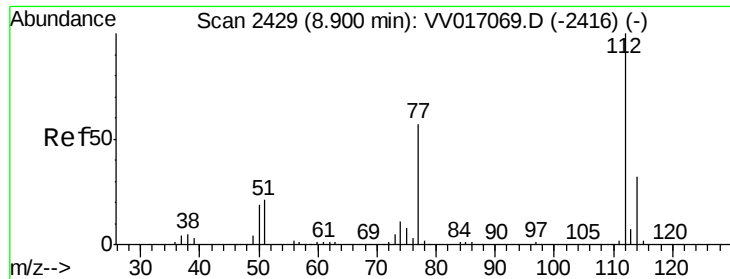
Tot Ion:	97	Resp:	37841
Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.6	81.0
83	85.8	57.4	106.6
85	54.5	38.8	72.0



#49
 Tetrachloroethene
 Concen: 0.203 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.01 min
 Lab File: VV017086.D
 Acq: 24 Jun 2020 21:05

Tgt Ion:	164	Resp:	1904
Ion	Ratio	Lower	Upper
164	100		
129	105.8	65.2	121.0
131	91.1	64.1	119.1
166	128.2	90.2	167.4





#53

Chlorobenzene

Concen: 3.090 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

Instrument :

MSVOA_V

ClientSampleId :

BFXL3

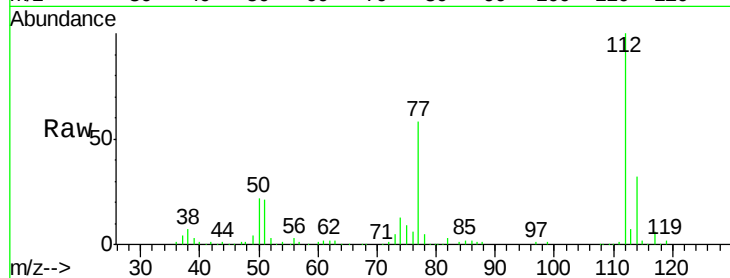
Tot Ion:112 Resp: 89326

Ion Ratio Lower Upper

112 100

114 31.6 22.0 41.0

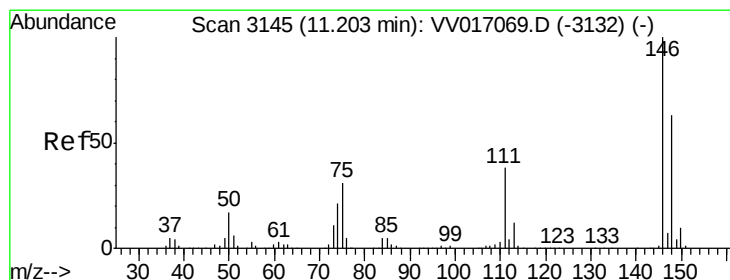
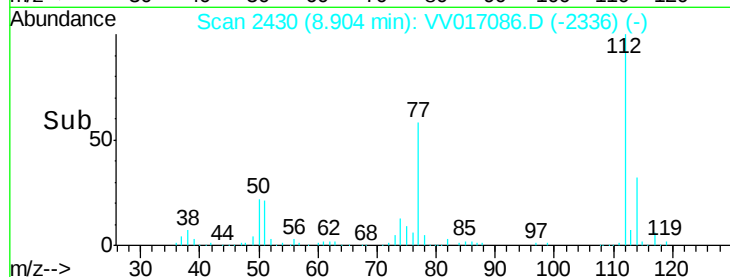
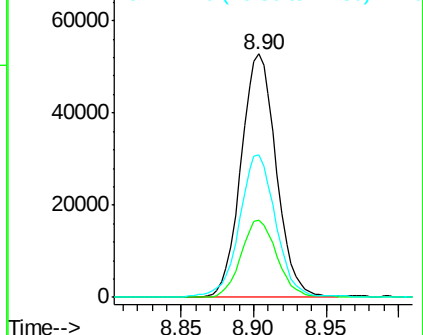
77 58.3 46.0 69.0



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



#63

1,3-Dichlorobenzene

Concen: 0.126 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

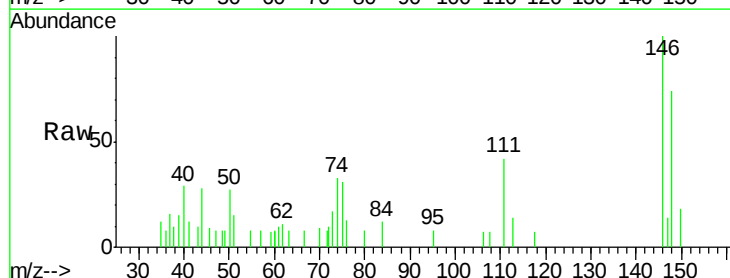
Tgt Ion:146 Resp: 2573

Ion Ratio Lower Upper

146 100

111 41.9 29.2 54.2

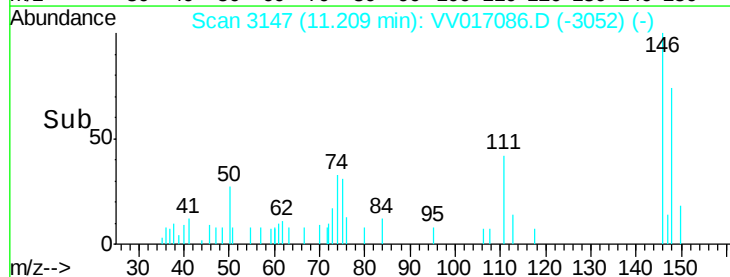
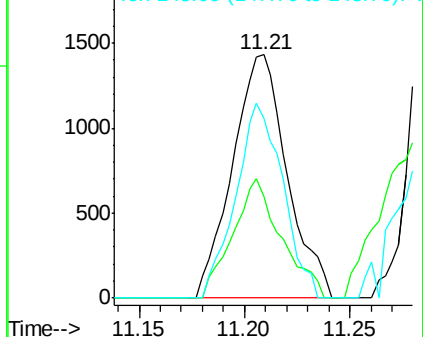
148 73.5 44.9 83.5

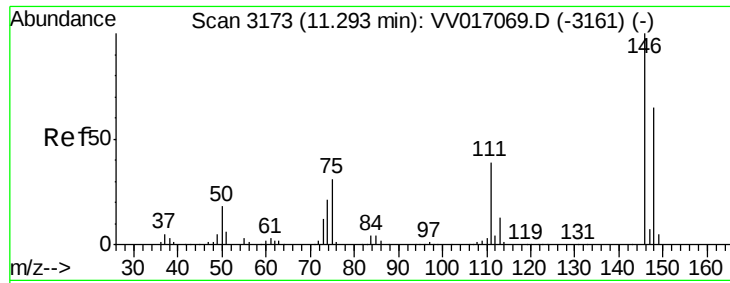


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 0.267 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

Instrument :

MSVOA_V

ClientSampled :

BFXL3

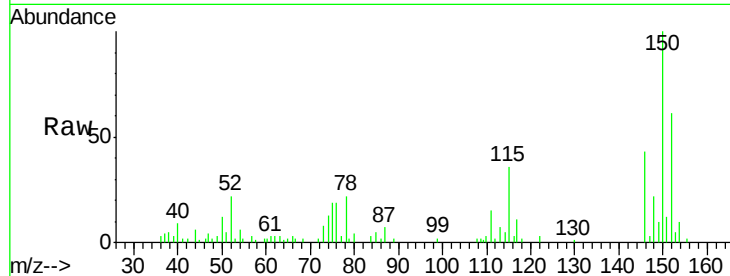
Tot Ion:146 Resp: 5558

Ion Ratio Lower Upper

146 100

111 34.5 27.4 50.8

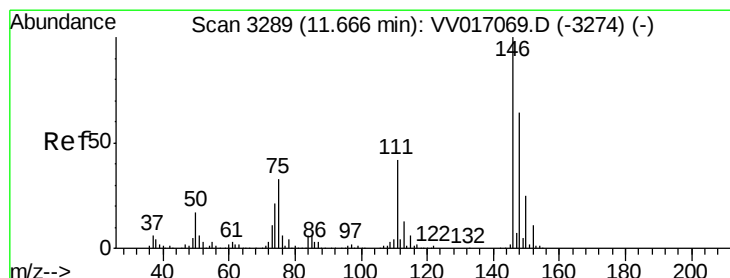
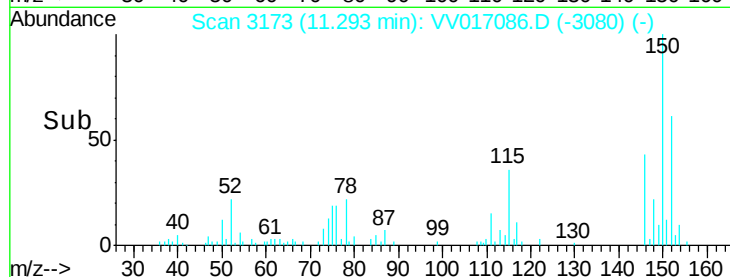
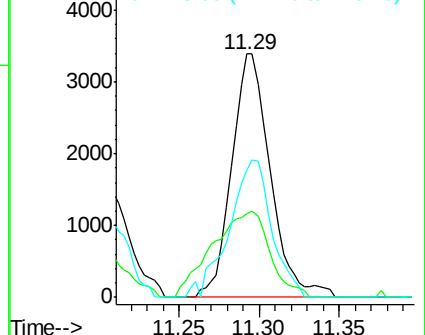
148 52.3 44.3 82.3



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



#66

1,2-Dichlorobenzene

Concen: 0.228 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017086.D

Acq: 24 Jun 2020 21:05

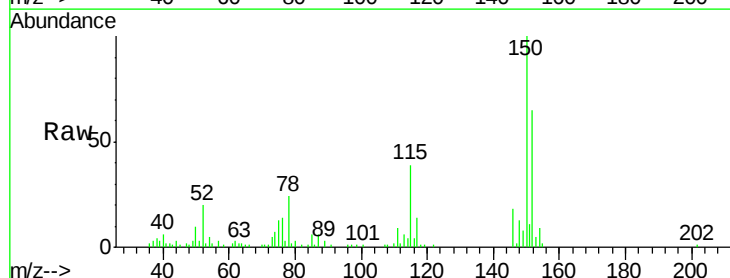
Tgt Ion:146 Resp: 4244

Ion Ratio Lower Upper

146 100

111 48.4 34.4 51.6

148 68.8 49.9 74.9



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

