

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
 Data File : VU046866.D
 Acq On : 27 Jan 2022 13:15
 Operator : SY/MD
 Sample : N1260-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX2

Quant Time: Jan 28 00:59:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 28 00:56:24 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	106131	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	116696	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	64781	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	34177	3.800	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.000%
7) Chloroethane-d5	1.922	69	30527	4.308	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.568	65	14761	4.126	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.600%
20) 2-Butanone-d5	4.665	46	128718	48.314	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.620%
24) Chloroform-d	5.070	84	70750	4.481	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.706	65	40689	4.733	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.732	84	138981	4.052	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
36) 1,2-Dichloropropane-d6	6.694	67	45345	4.403	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.899	98	114999	3.663	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
43) trans-1,3-Dichloroprop...	8.182	79	16643	3.680	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.658	63	117365	43.829	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.660%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	46205	4.469	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	49454	4.071	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.400%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.144	101	8553	0.820	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	959	0.155	ug/L #	52
12) 1,1-Dichloroethene	2.581	96	69874	11.791	ug/L #	75
15) Methyl Acetate	2.980	43	762	0.241	ug/L #	51
17) Methyl tert-butyl Ether	3.369	73	230003	13.833	ug/L	98
18) trans-1,2-Dichloroethene	3.356	96	11851	1.846	ug/L	91
19) 1,1-Dichloroethane	3.877	63	85371	7.923	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	177967	26.284	ug/L	99
25) Chloroform	5.092	83	14789	0.865	ug/L	100
27) 1,2-Dichloroethane	5.796	62	2012	0.267	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	20906	1.989	ug/L	99
31) Carbon tetrachloride	5.533	117	729	0.081	ug/L	96
34) Trichloroethene	6.546	95	311151	43.619	ug/L	99
35) Methylcyclohexane	6.694	83	10683	0.894	ug/L #	21
37) 1,2-Dichloropropane	6.694	63	4784	0.710	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	984	0.094	ug/L #	44
45) 1,1,2-Trichloroethane	8.404	97	578	0.101	ug/L	92
47) Tetrachloroethene	8.555	164	139071	23.971	ug/L	95
49) Dibromochloromethane	8.555	129	135211	19.990	ug/L #	10

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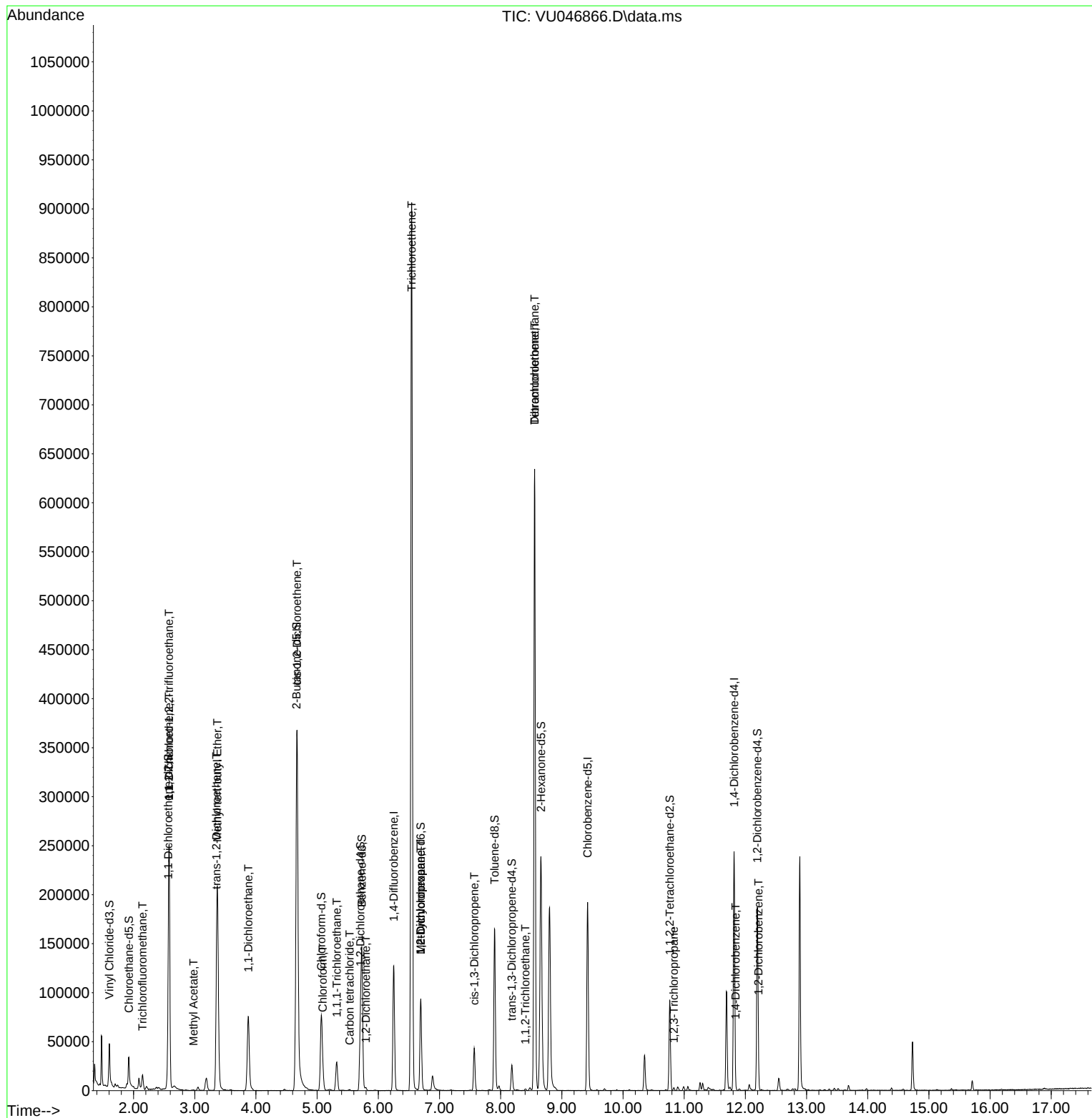
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.832	75	1496	0.273	ug/L	94
65) 1,4-Dichlorobenzene	11.838	146	1245	0.082	ug/L	79
67) 1,2-Dichlorobenzene	12.214	146	2520	0.173	ug/L	95

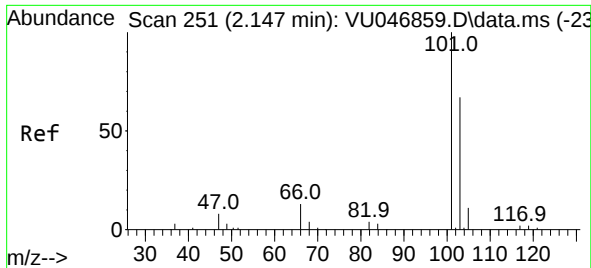
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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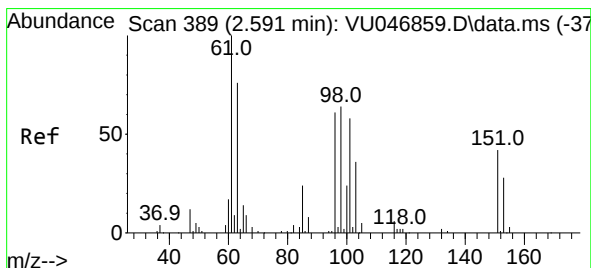
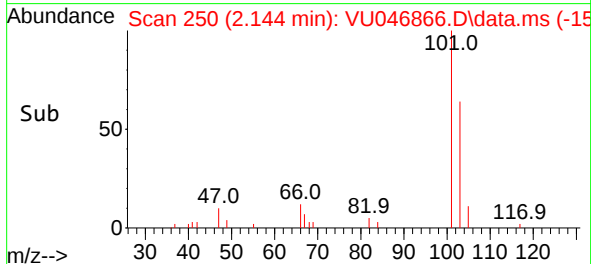
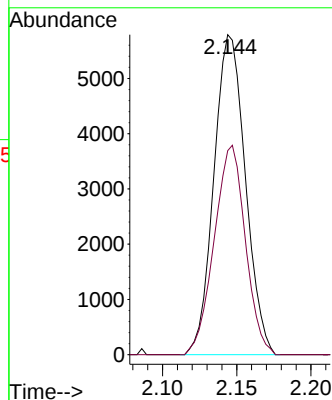
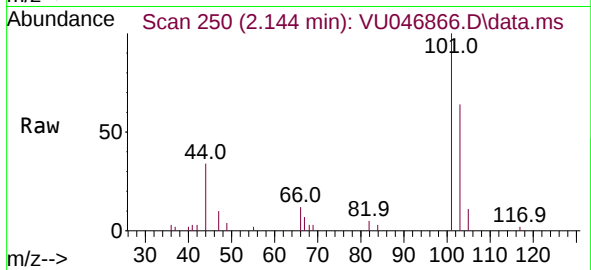




#9
 Trichlorofluoromethane
 Concen: 0.820 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU046866.D
 Acq: 27 Jan 2022 13:15

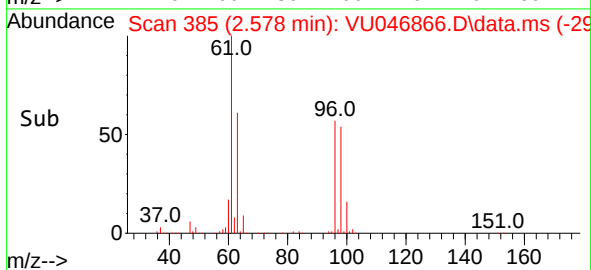
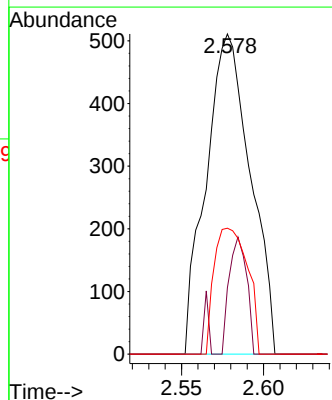
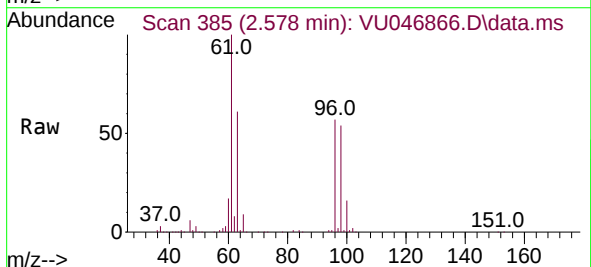
Instrument :
 MSVOA_U
 ClientSampleId :
 BFX2

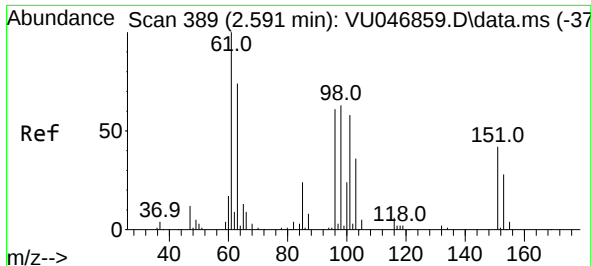
Tgt Ion:101 Resp: 8553
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.155 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.013 min
 Lab File: VU046866.D
 Acq: 27 Jan 2022 13:15

Tgt Ion:101 Resp: 959
 Ion Ratio Lower Upper
 101 100
 85 14.4 34.6 51.8#
 151 29.6 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 11.791 ug/L

RT: 2.581 min Scan# 3

Delta R.T. -0.010 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

Instrument :

MSVOA_U

ClientSampleId :

BFX2

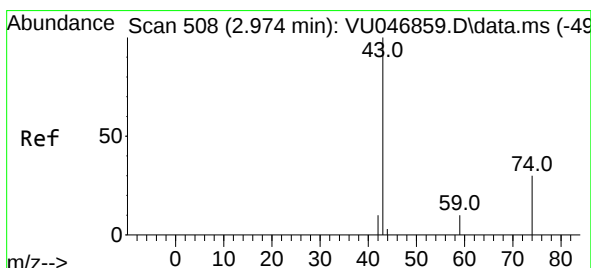
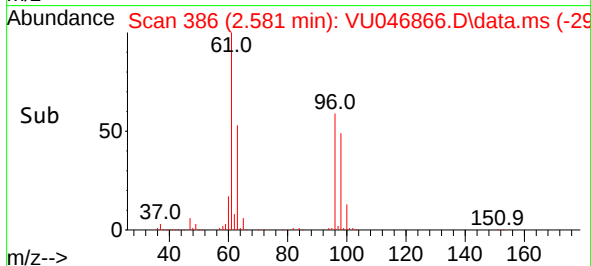
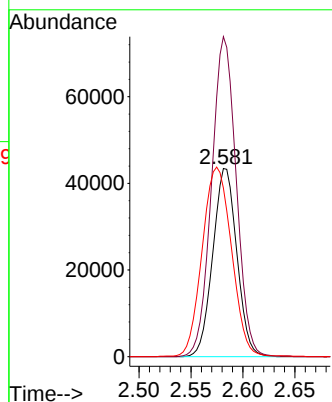
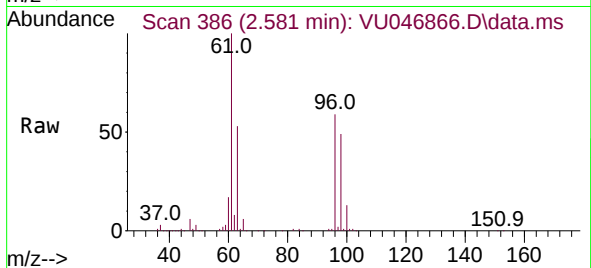
Tgt Ion: 96 Resp: 69874

Ion Ratio Lower Upper

96 100

61 170.1 124.7 231.5

63 89.7 105.2 195.4#



#15

Methyl Acetate

Concen: 0.241 ug/L

RT: 2.980 min Scan# 510

Delta R.T. 0.006 min

Lab File: VU046866.D

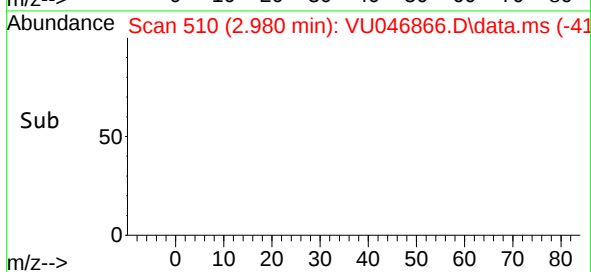
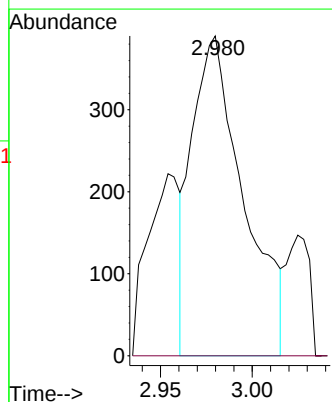
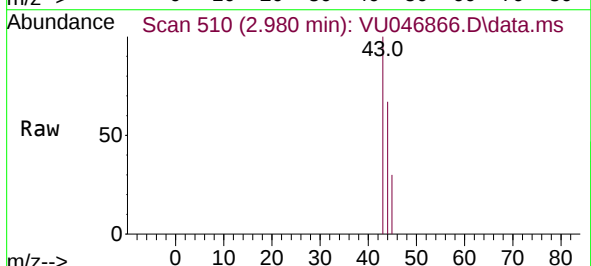
Acq: 27 Jan 2022 13:15

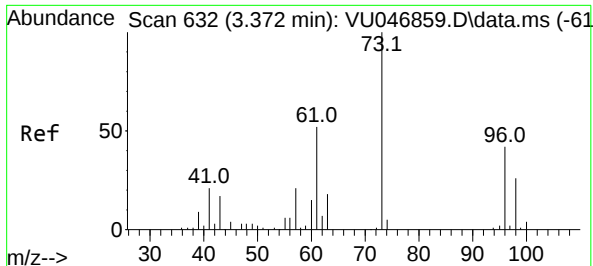
Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

74 0.0 19.1 28.7#





#17

Methyl tert-butyl Ether

Concen: 13.833 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

Instrument :

MSVOA_U

ClientSampleId :

BFX2

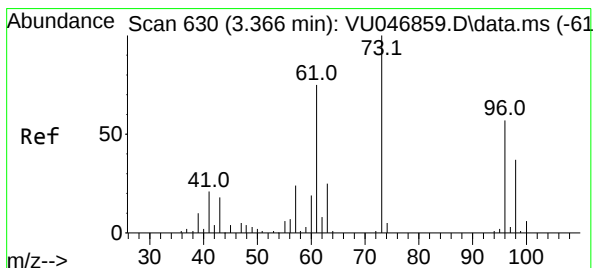
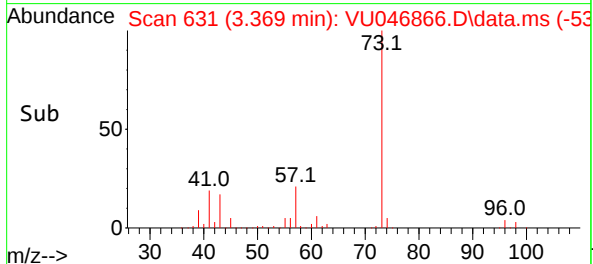
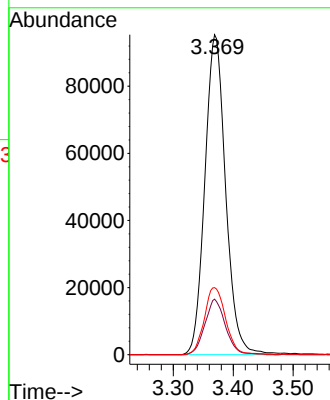
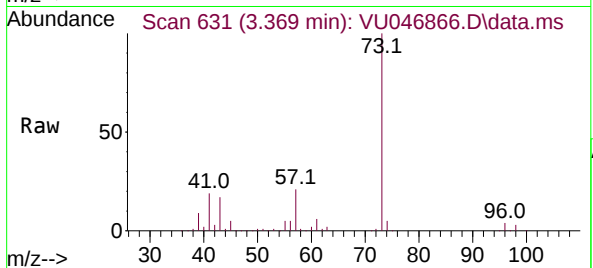
Tgt Ion: 73 Resp: 230003

Ion Ratio Lower Upper

73 100

43 17.2 14.8 22.2

57 21.5 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 1.846 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.010 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

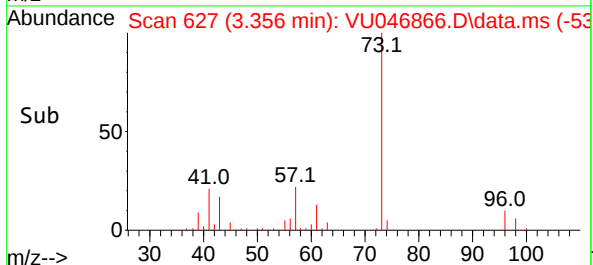
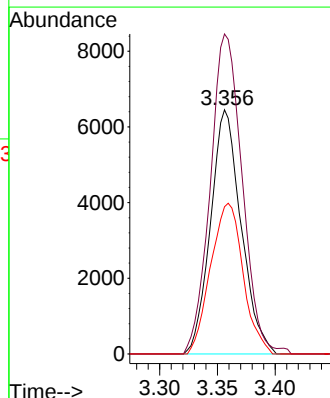
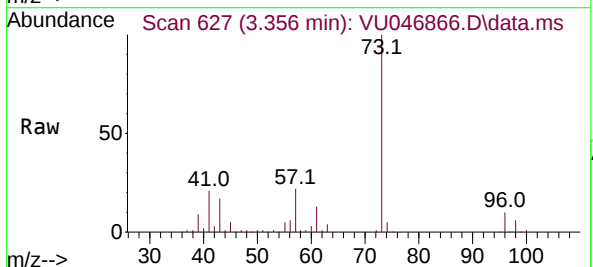
Tgt Ion: 96 Resp: 11851

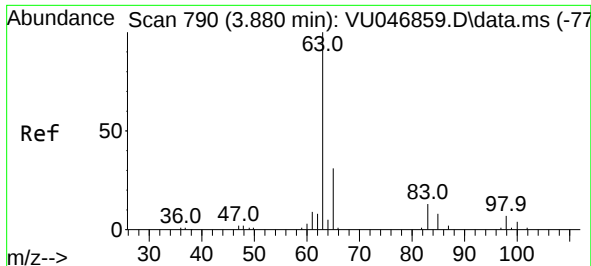
Ion Ratio Lower Upper

96 100

61 131.1 100.8 187.2

98 60.3 45.1 83.7





#19

1,1-Dichloroethane

Concen: 7.923 ug/L

RT: 3.877 min Scan# 79

Delta R.T. -0.003 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

Instrument :

MSVOA_U

ClientSampleId :

BFX2

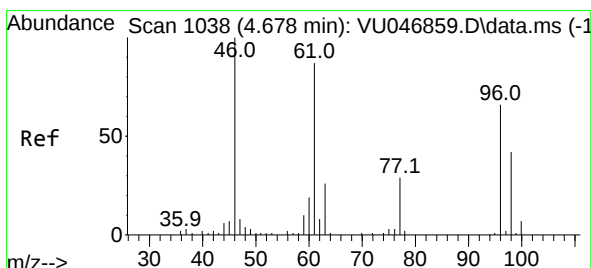
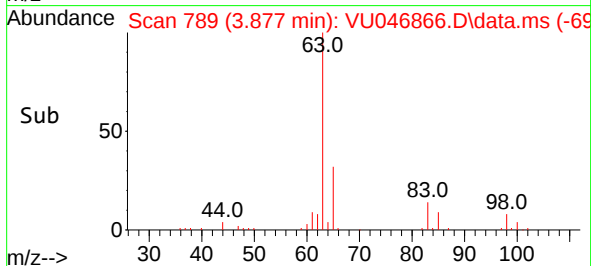
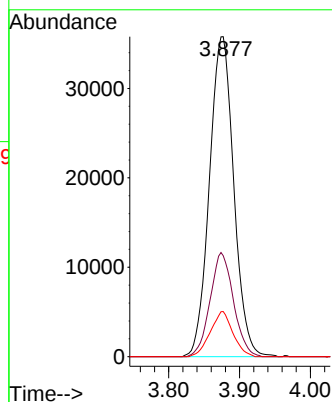
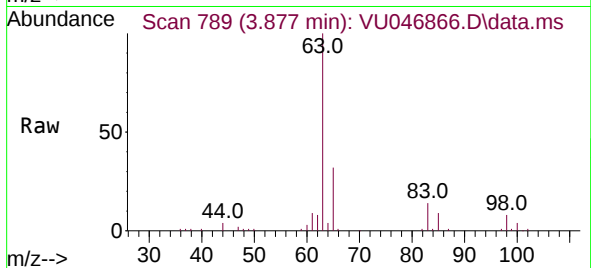
Tgt Ion: 63 Resp: 85371

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.5

83 14.1 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 26.284 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

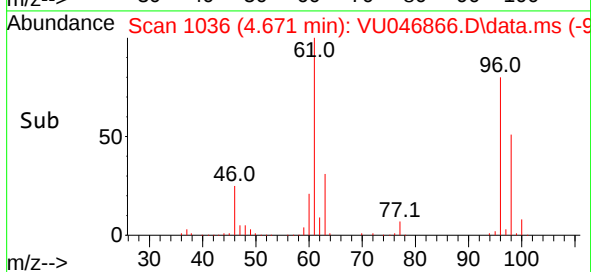
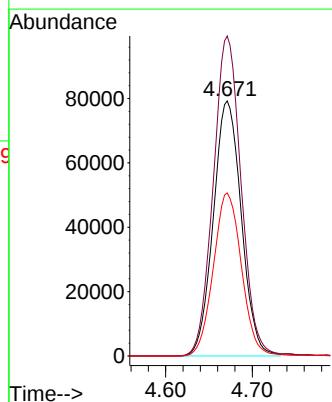
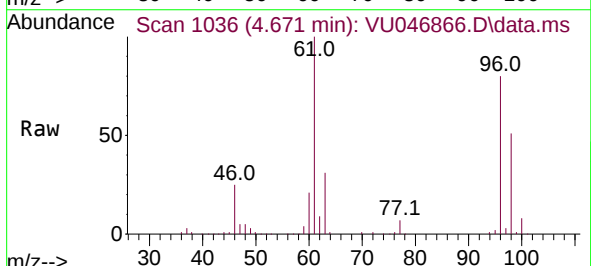
Tgt Ion: 96 Resp: 177967

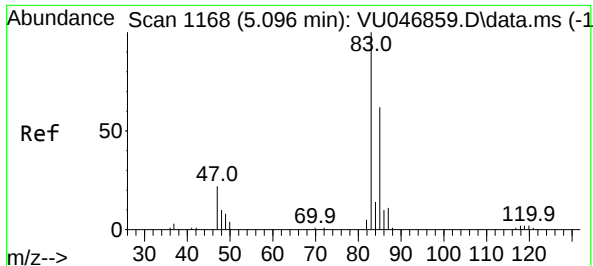
Ion Ratio Lower Upper

96 100

61 125.4 88.5 164.3

98 63.9 44.4 82.5





#25

Chloroform

Concen: 0.865 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

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MSVOA_U

ClientSampleId :

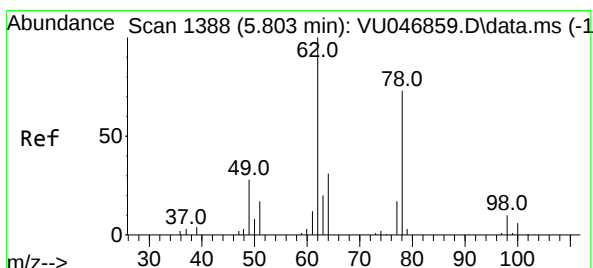
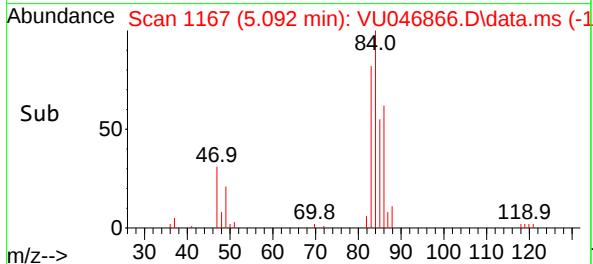
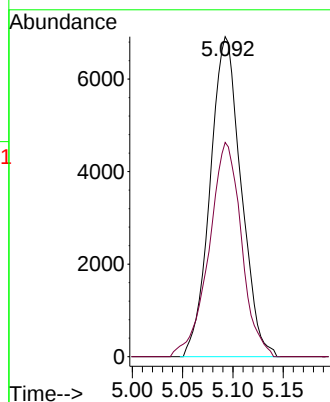
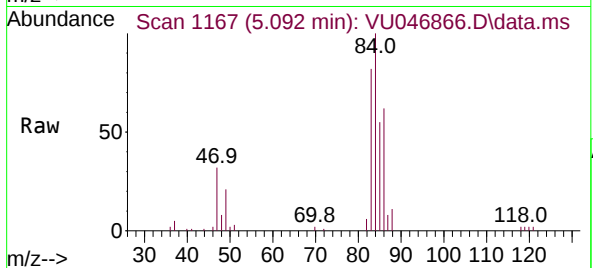
BFX2

Tgt Ion: 83 Resp: 14789

Ion Ratio Lower Upper

83 100

85 67.0 46.9 87.1



#27

1,2-Dichloroethane

Concen: 0.267 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.007 min

Lab File: VU046866.D

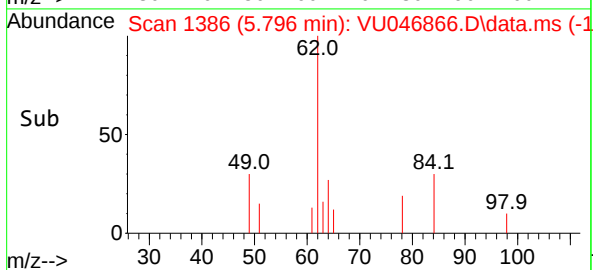
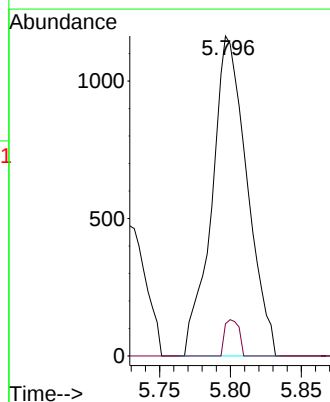
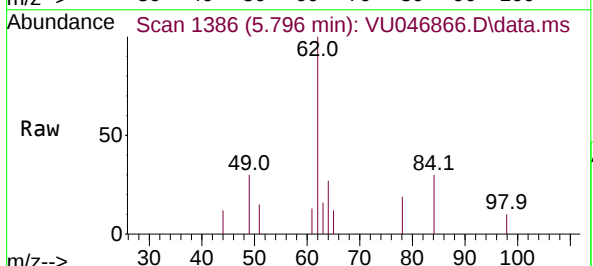
Acq: 27 Jan 2022 13:15

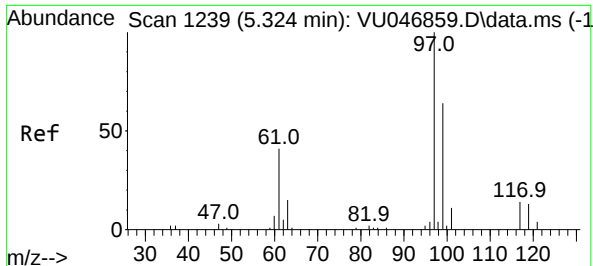
Tgt Ion: 62 Resp: 2012

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 1.989 ug/L

RT: 5.321 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

Instrument :

MSVOA_U

ClientSampleId :

BFX2

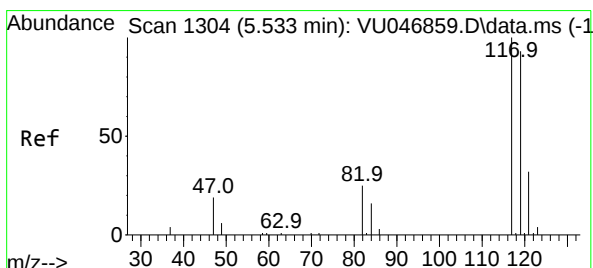
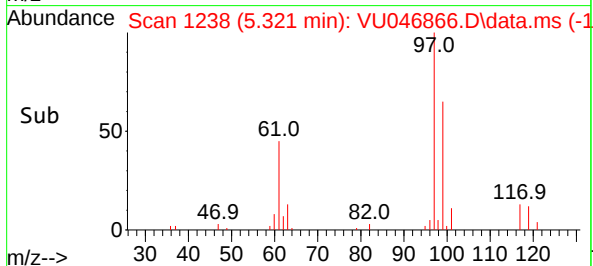
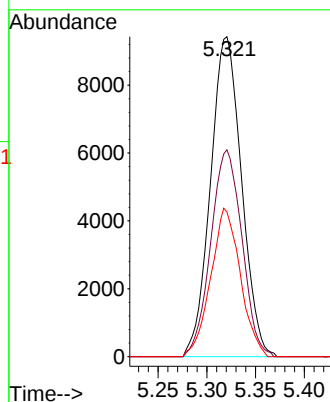
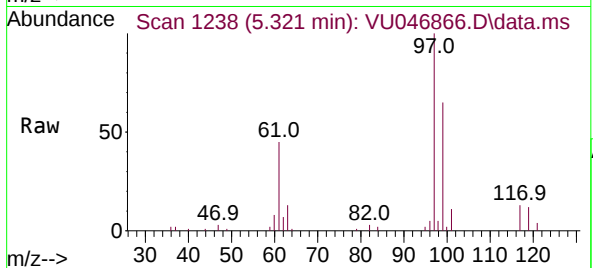
Tgt Ion: 97 Resp: 20906

Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 44.2 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.081 ug/L

RT: 5.533 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VU046866.D

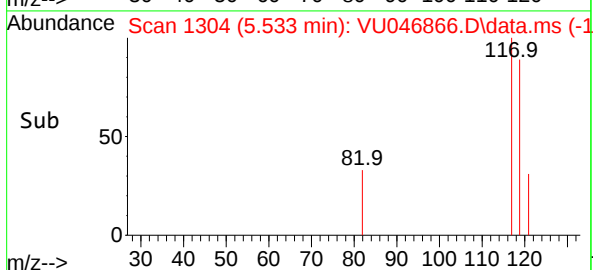
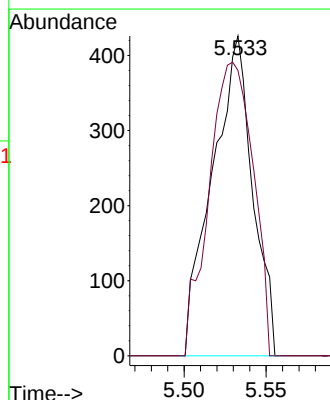
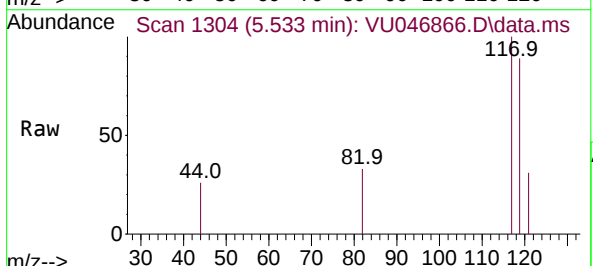
Acq: 27 Jan 2022 13:15

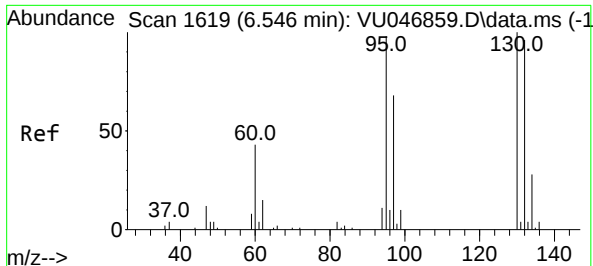
Tgt Ion: 117 Resp: 729

Ion Ratio Lower Upper

117 100

119 100.5 77.5 116.3





#34

Trichloroethene

Concen: 43.619 ug/L

RT: 6.546 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

Instrument :

MSVOA_U

ClientSampleId :

BFX2

Tgt Ion: 95 Resp: 311151

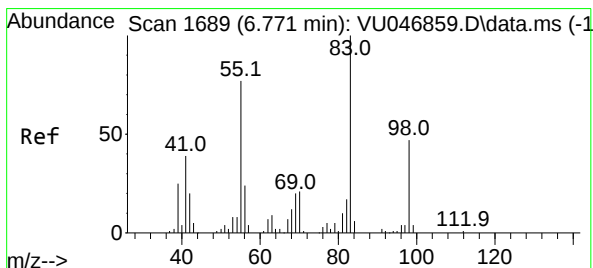
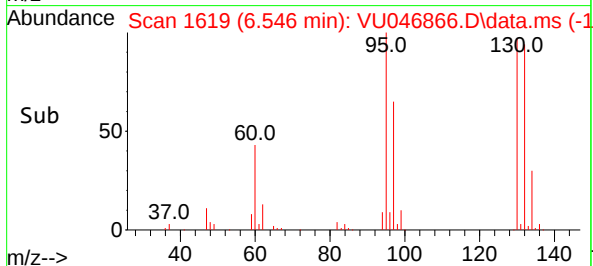
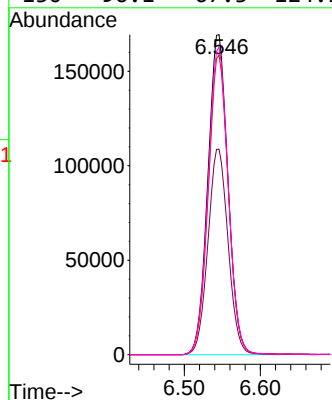
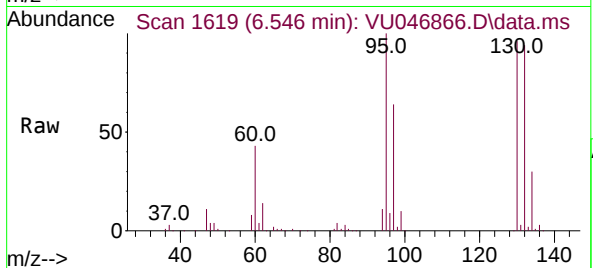
Ion Ratio Lower Upper

95 100

97 64.2 46.5 86.5

132 93.6 65.1 120.9

130 96.1 67.3 124.9



#35

Methylcyclohexane

Concen: 0.894 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.077 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

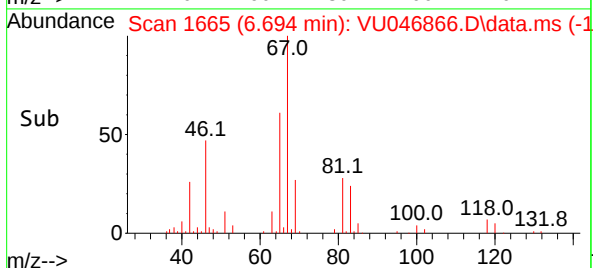
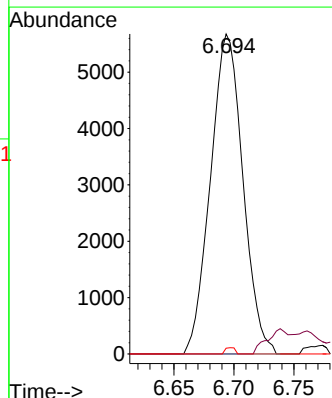
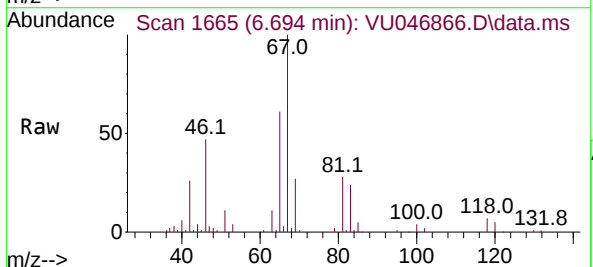
Tgt Ion: 83 Resp: 10683

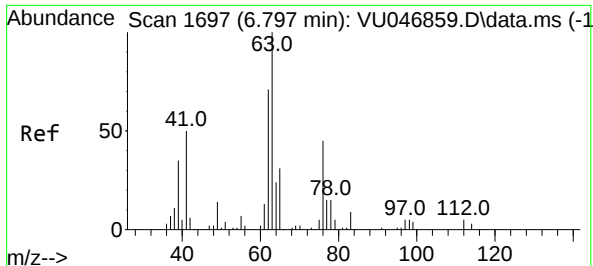
Ion Ratio Lower Upper

83 100

55 5.5 61.9 92.9#

98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.710 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046866.D

Acq: 27 Jan 2022 13:15

Instrument :

MSVOA_U

ClientSampleId :

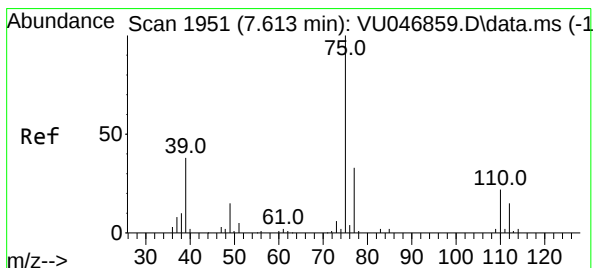
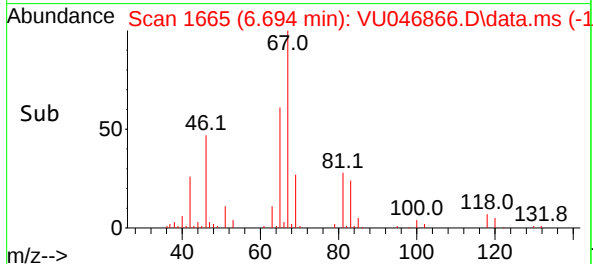
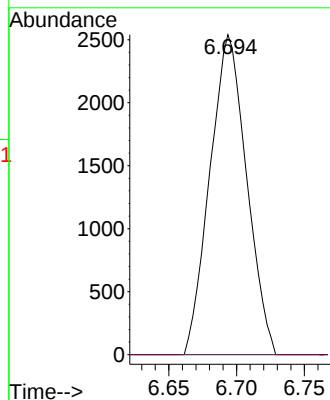
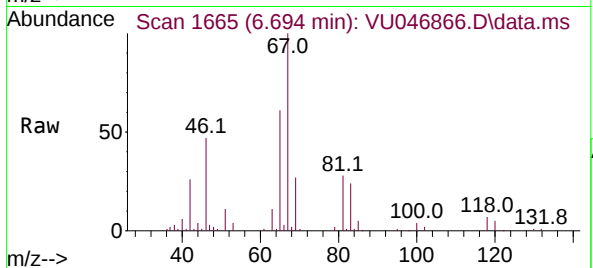
BFX2

Tgt Ion: 63 Resp: 4784

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.042 min

Lab File: VU046866.D

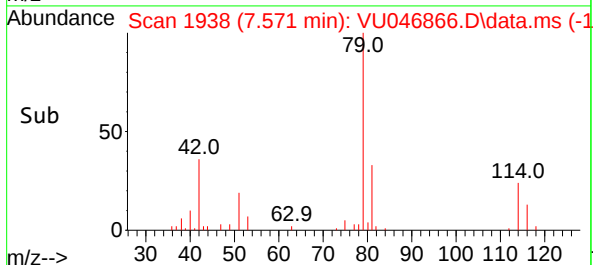
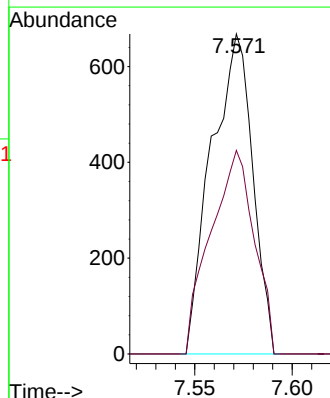
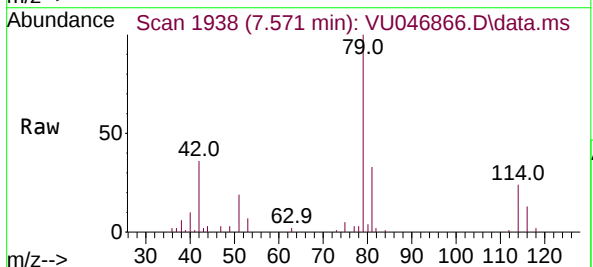
Acq: 27 Jan 2022 13:15

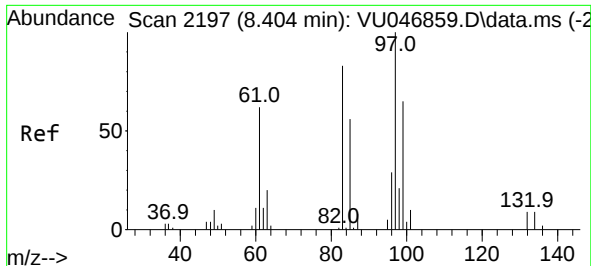
Tgt Ion: 75 Resp: 984

Ion Ratio Lower Upper

75 100

77 63.6 22.5 41.9#



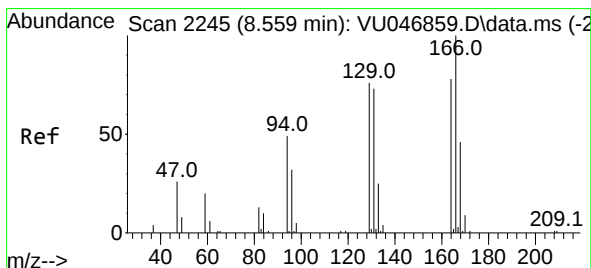
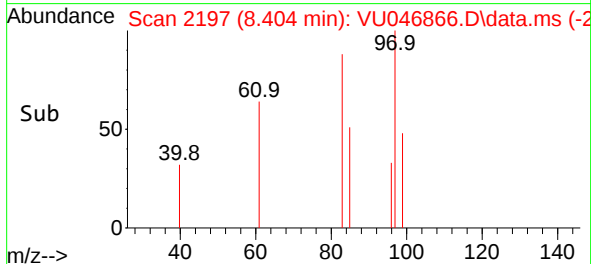
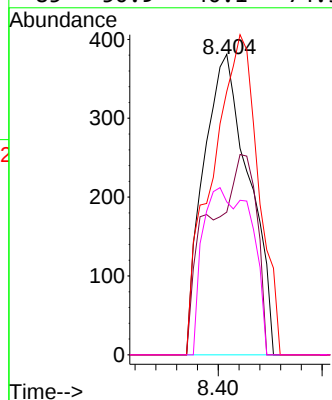
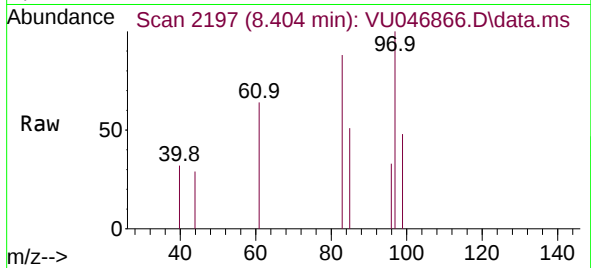


#45
1,1,2-Trichloroethane
Concen: 0.101 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046866.D
Acq: 27 Jan 2022 13:15

Instrument :
MSVOA_U
ClientSampleId :
BFXV2

Tgt Ion: 97 Resp: 578

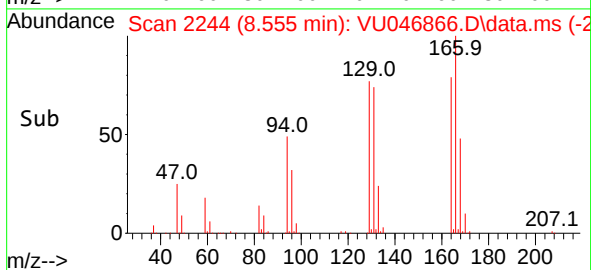
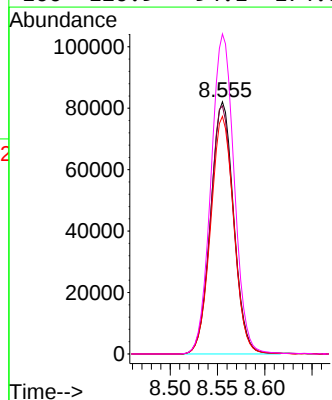
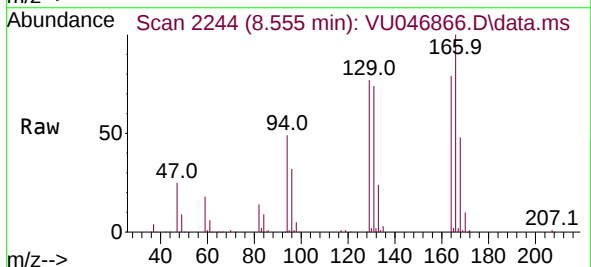
Ion	Ratio	Lower	Upper
97	100		
99	47.5	42.3	78.5
83	87.7	62.0	115.2
85	50.9	40.1	74.5

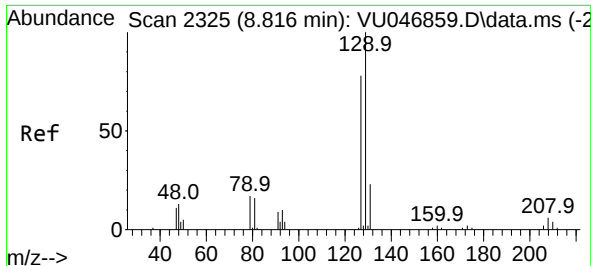


#47
Tetrachloroethene
Concen: 23.971 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU046866.D
Acq: 27 Jan 2022 13:15

Tgt Ion: 164 Resp: 139071

Ion	Ratio	Lower	Upper
164	100		
129	98.3	71.8	133.4
131	94.2	68.5	127.3
166	126.9	94.1	174.8

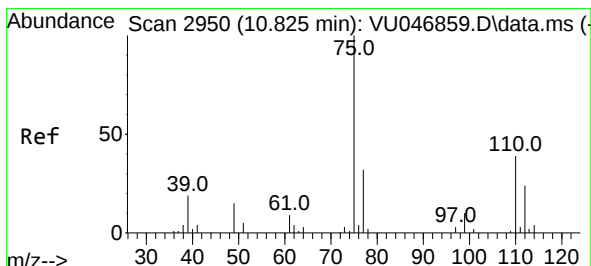
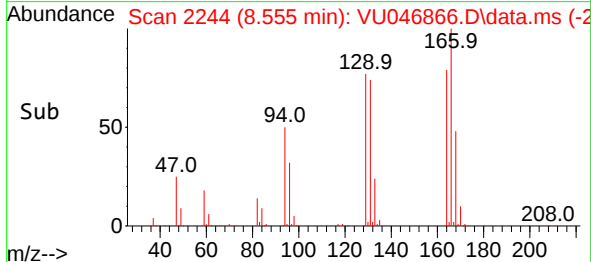
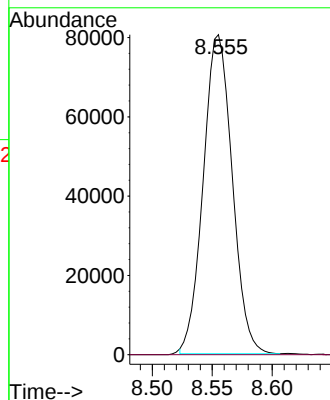
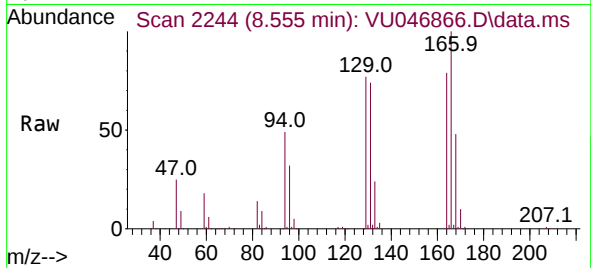




#49
Dibromochloromethane
Concen: 19.990 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.261 min
Lab File: VU046866.D
Acq: 27 Jan 2022 13:15

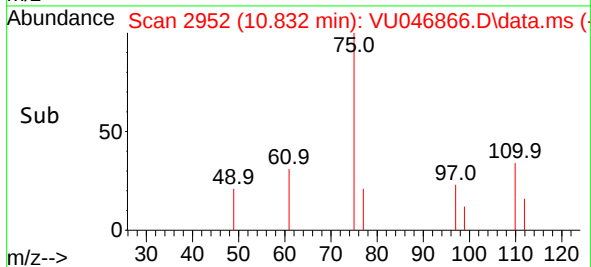
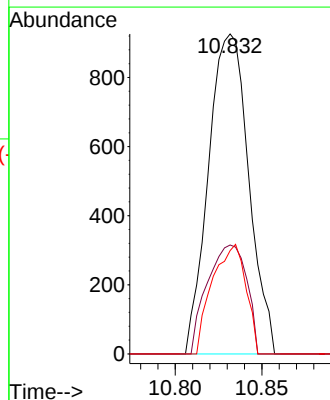
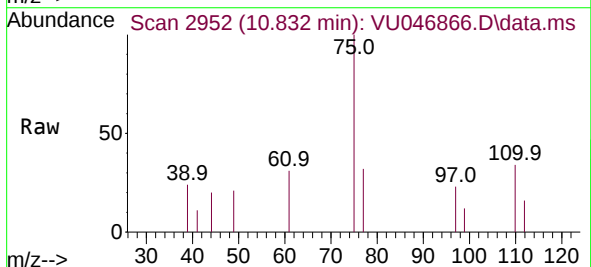
Instrument :
MSVOA_U
ClientSampleId :
BFX2

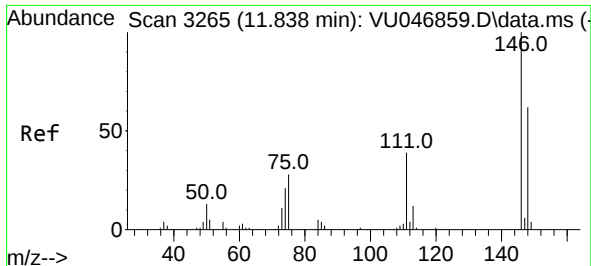
Tgt Ion:129 Resp: 135211
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 0.273 ug/L
RT: 10.832 min Scan# 2952
Delta R.T. 0.006 min
Lab File: VU046866.D
Acq: 27 Jan 2022 13:15

Tgt Ion: 75 Resp: 1496
Ion Ratio Lower Upper
75 100
110 33.3 29.9 44.9
77 28.6 25.5 38.3

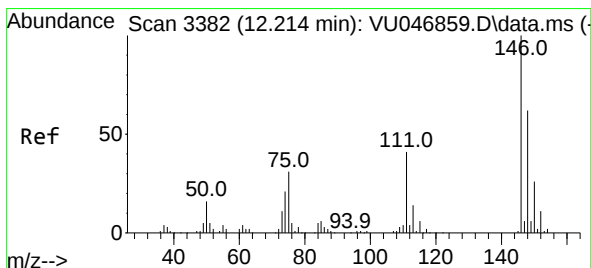
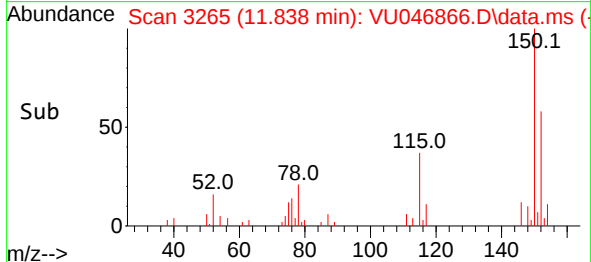
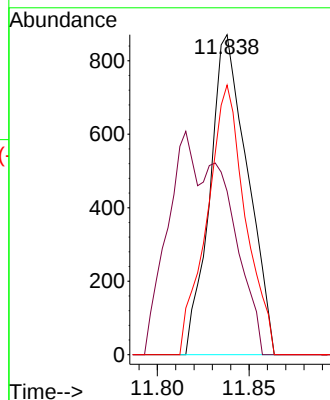
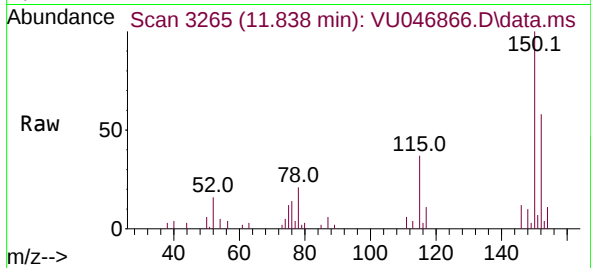




#65
1,4-Dichlorobenzene
Concen: 0.082 ug/L
RT: 11.838 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046866.D
Acq: 27 Jan 2022 13:15

Instrument :
MSVOA_U
ClientSampleId :
BFX2

Tgt Ion:146	Resp:	1245
Ion	Ratio	Lower Upper
146	100	
111	51.1	28.7 53.3
148	84.3	45.8 85.0



#67
1,2-Dichlorobenzene
Concen: 0.173 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU046866.D
Acq: 27 Jan 2022 13:15

Tgt Ion:146	Resp:	2520
Ion	Ratio	Lower Upper
146	100	
111	51.8	35.4 53.0
148	64.6	51.1 76.7

