

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
 Data File : VU046872.D
 Acq On : 27 Jan 2022 15:42
 Operator : SY/MD
 Sample : N1260-10DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX1DL

Quant Time: Jan 28 01:00:40 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)

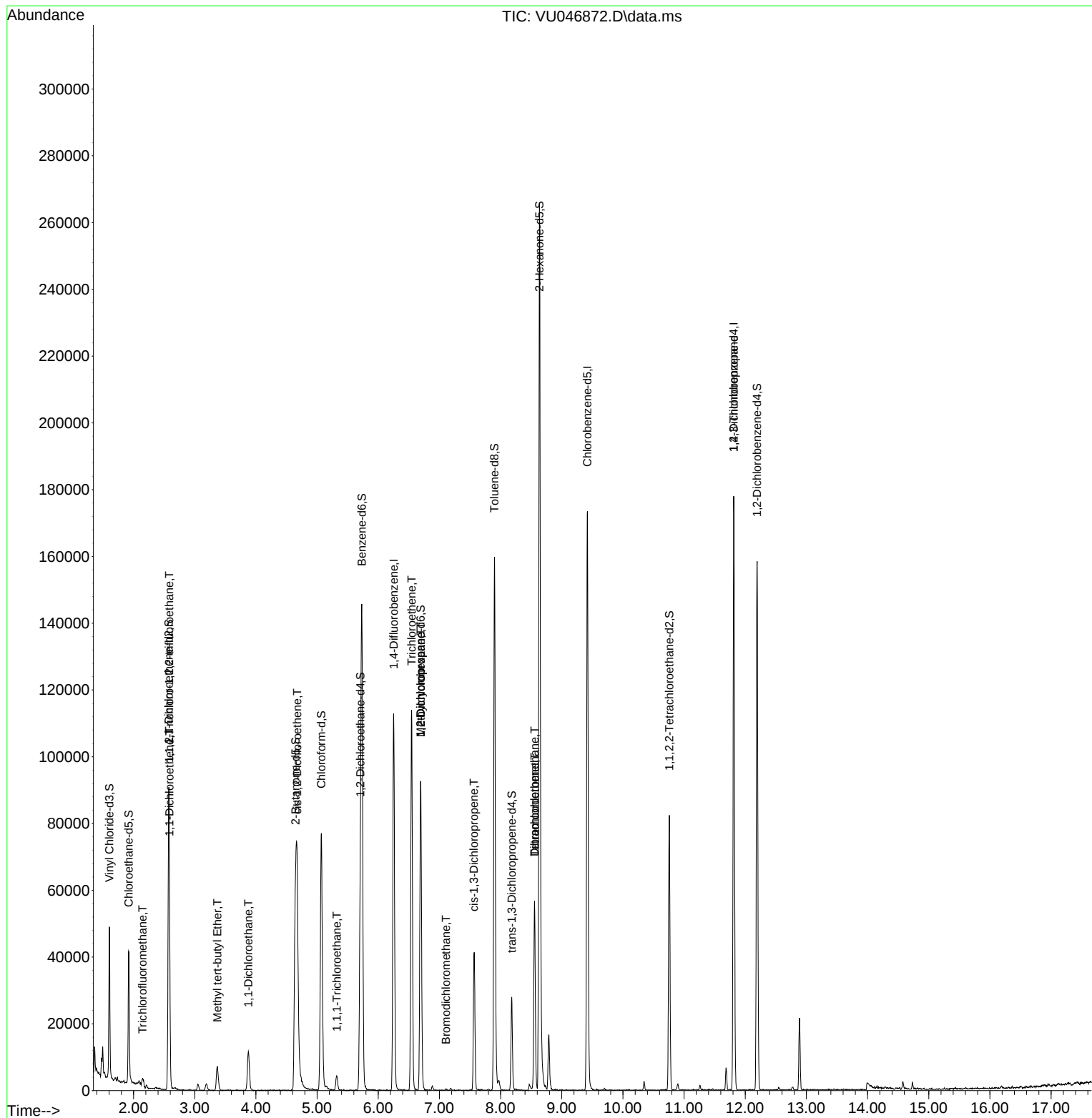
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	94508	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	103135	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48225	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	34107	4.259	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.919	69	31370	4.972	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.575	65	14506	4.554	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	4.649	46	119098	50.201	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.400%
24) Chloroform-d	5.070	84	72814	5.179	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.706	65	40671	5.312	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	5.732	84	141883	4.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.694	67	45844	5.037	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.899	98	113151	4.078	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
43) trans-1,3-Dichloroprop...	8.182	79	16429	4.110	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.636	63	101905	43.060	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.120%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41727	4.567	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	42455	4.694	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.147	101	1243	0.134	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	875	0.158	ug/L #	39
12) 1,1-Dichloroethene	2.588	96	9303	1.763	ug/L #	49
17) Methyl tert-butyl Ether	3.369	73	7949	0.537	ug/L	96
19) 1,1-Dichloroethane	3.877	63	14027	1.462	ug/L	98
22) cis-1,2-Dichloroethene	4.674	96	20728	3.438	ug/L	95
29) 1,1,1-Trichloroethane	5.321	97	3522	0.379	ug/L #	86
34) Trichloroethene	6.546	95	39803	6.313	ug/L	98
35) Methylcyclohexane	6.694	83	11076	1.049	ug/L #	23
37) 1,2-Dichloropropane	6.694	63	4624	0.776	ug/L #	88
38) Bromodichloromethane	7.108	83	344	0.040	ug/L #	85
39) cis-1,3-Dichloropropene	7.565	75	952	0.102	ug/L #	44
47) Tetrachloroethene	8.555	164	12985	2.532	ug/L	98
49) Dibromochloromethane	8.555	129	12169	2.036	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5796	1.418	ug/L #	67

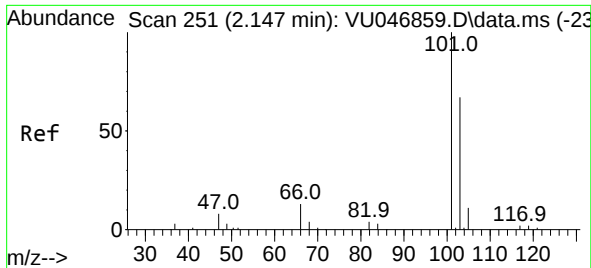
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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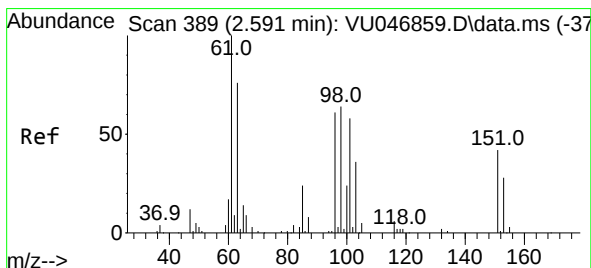
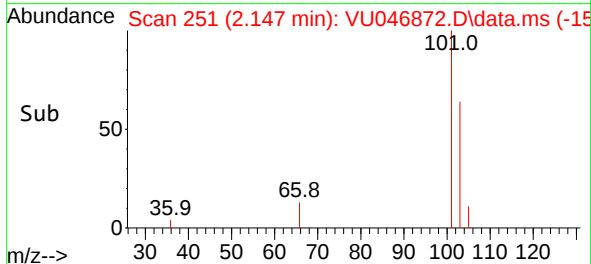
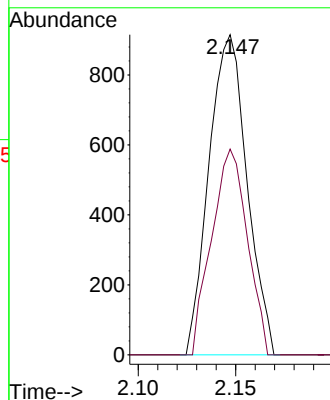
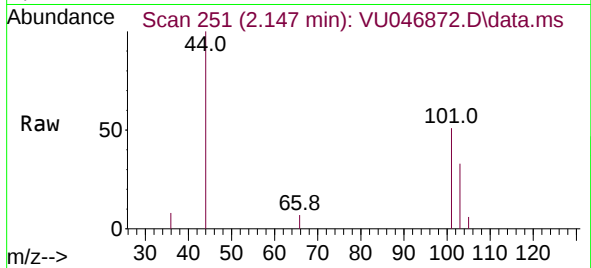




#9
 Trichlorofluoromethane
 Concen: 0.134 ug/L
 RT: 2.147 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU046872.D
 Acq: 27 Jan 2022 15:42

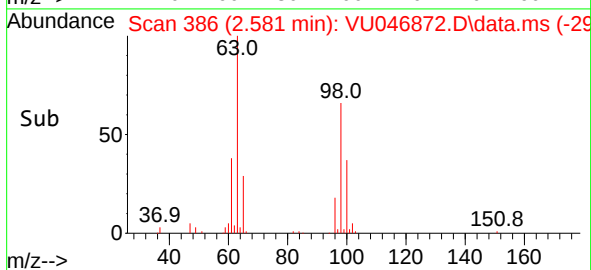
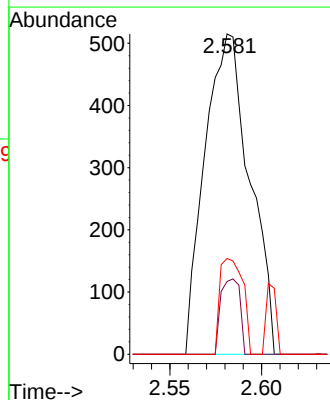
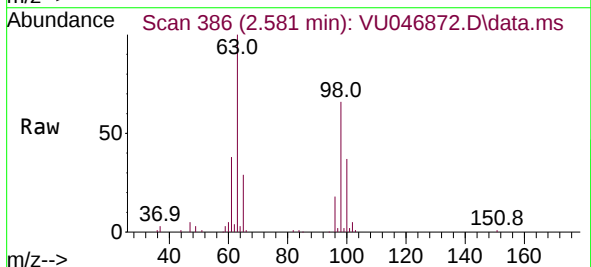
Instrument :
 MSVOA_U
 ClientSampleId :
 BFX1DL

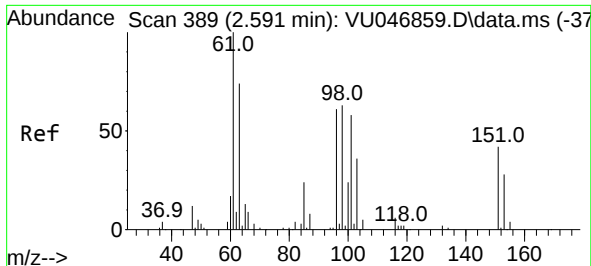
Tgt Ion:101 Resp: 1243
 Ion Ratio Lower Upper
 101 100
 103 60.2 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.158 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.010 min
 Lab File: VU046872.D
 Acq: 27 Jan 2022 15:42

Tgt Ion:101 Resp: 875
 Ion Ratio Lower Upper
 101 100
 85 9.9 34.6 51.8#
 151 15.2 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 1.763 ug/L

RT: 2.588 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046872.D

Acq: 27 Jan 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :

BFX1DL

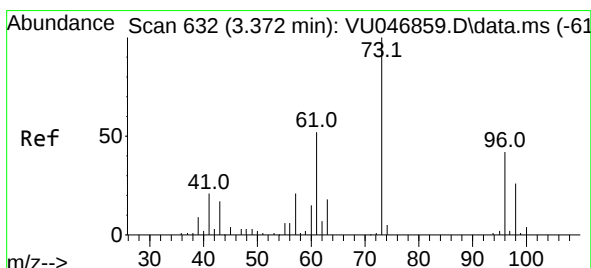
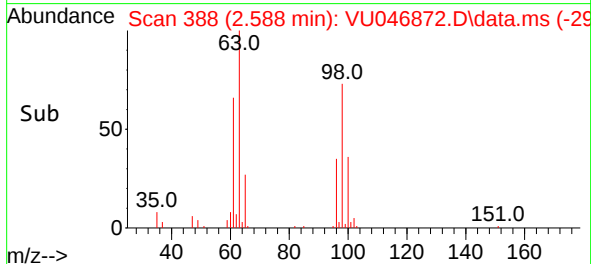
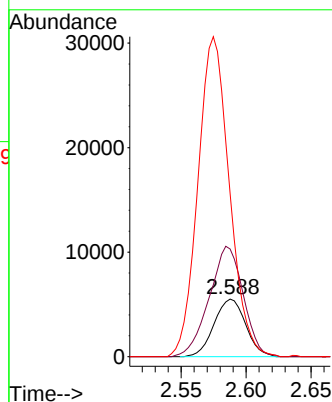
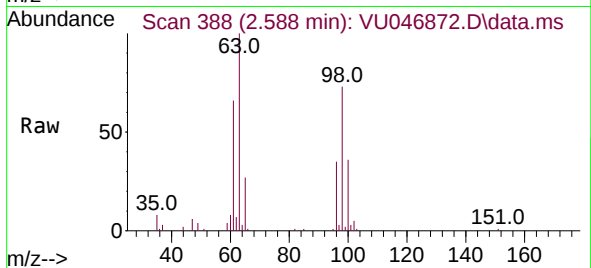
Tgt Ion: 96 Resp: 9303

Ion Ratio Lower Upper

96 100

61 186.6 124.7 231.5

63 282.8 105.2 195.4#



#17

Methyl tert-butyl Ether

Concen: 0.537 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.003 min

Lab File: VU046872.D

Acq: 27 Jan 2022 15:42

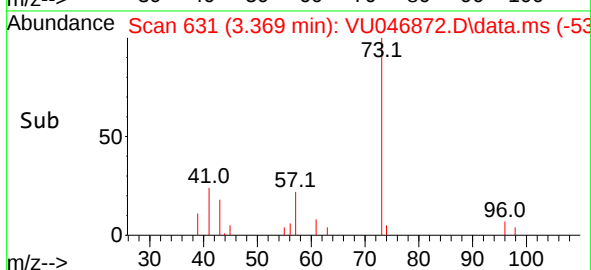
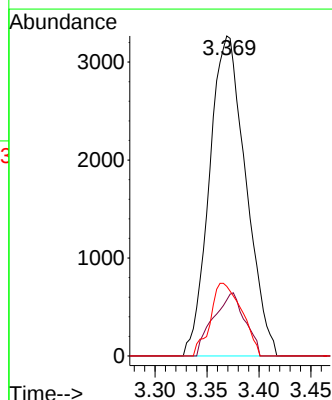
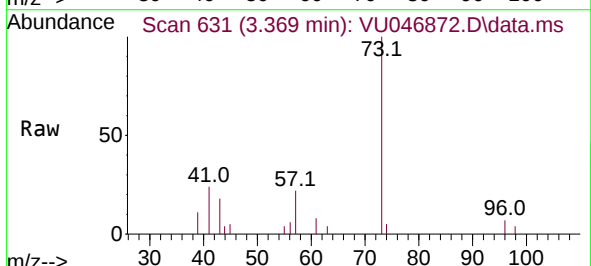
Tgt Ion: 73 Resp: 7949

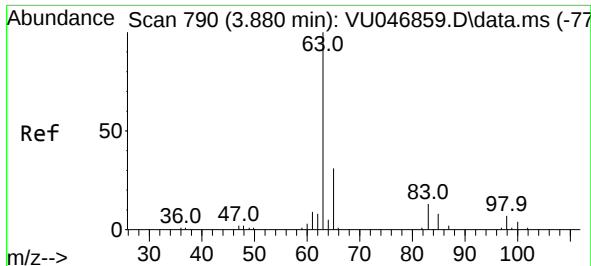
Ion Ratio Lower Upper

73 100

43 17.1 14.8 22.2

57 19.6 17.4 26.0





#19

1,1-Dichloroethane

Concen: 1.462 ug/L

RT: 3.877 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046872.D

Acq: 27 Jan 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :

BFX1DL

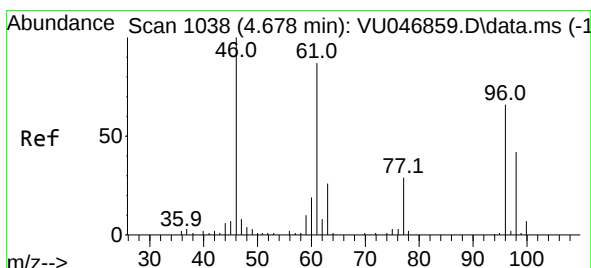
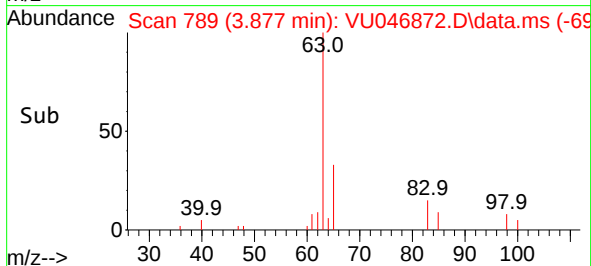
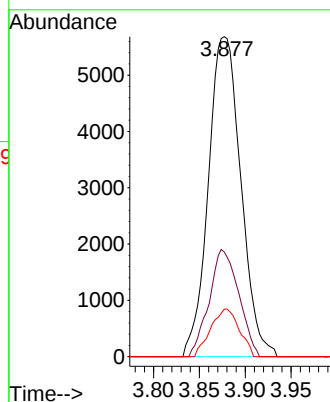
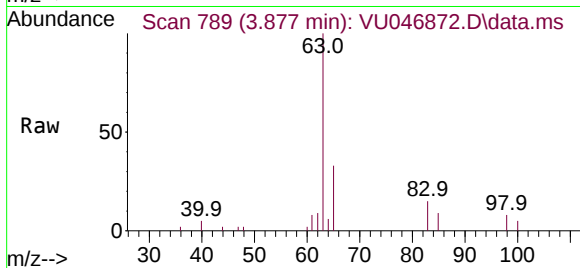
Tgt Ion: 63 Resp: 14027

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.5

83 14.9 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 3.438 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.003 min

Lab File: VU046872.D

Acq: 27 Jan 2022 15:42

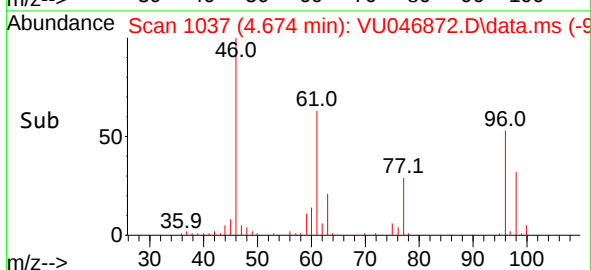
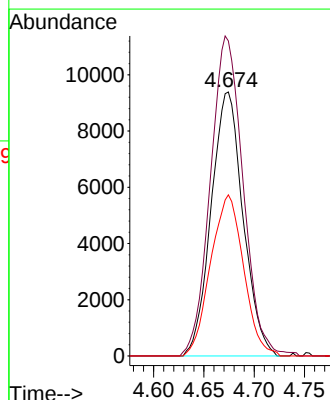
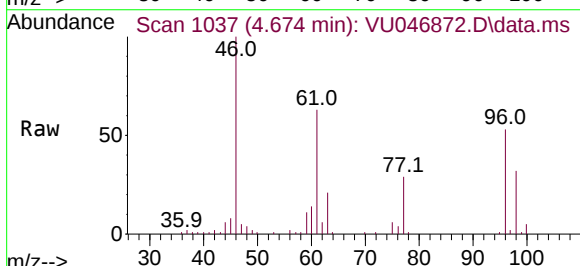
Tgt Ion: 96 Resp: 20728

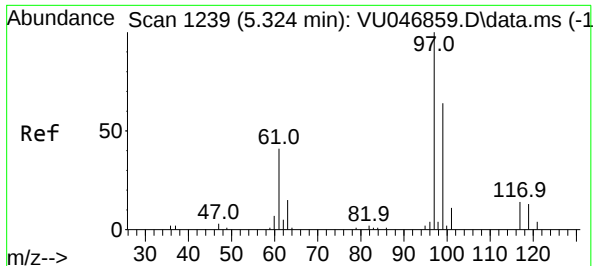
Ion Ratio Lower Upper

96 100

61 119.3 88.5 164.3

98 61.1 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 0.379 ug/L

RT: 5.321 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046872.D

Acq: 27 Jan 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :

BFX1DL

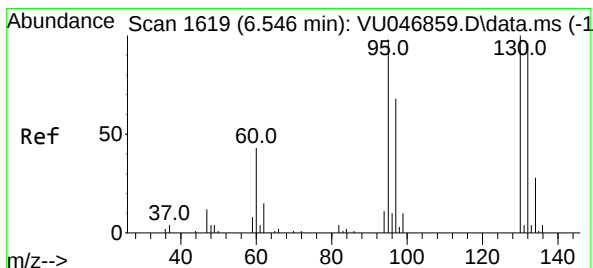
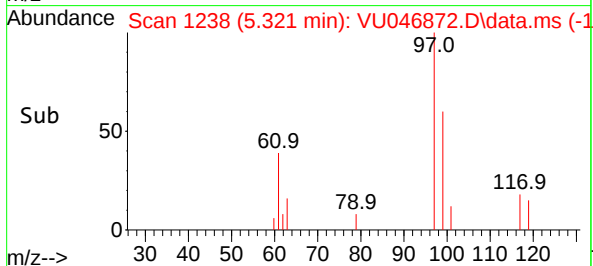
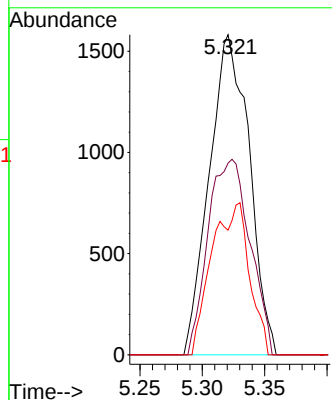
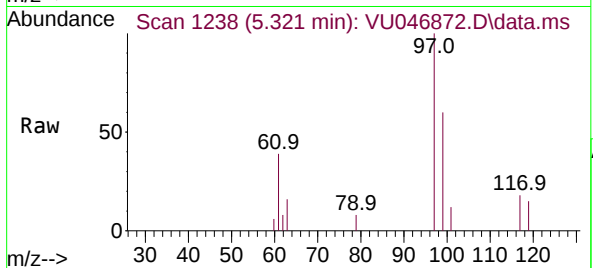
Tgt Ion: 97 Resp: 3522

Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 22.5 36.1 54.1#



#34

Trichloroethene

Concen: 6.313 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU046872.D

Acq: 27 Jan 2022 15:42

Tgt Ion: 95 Resp: 39803

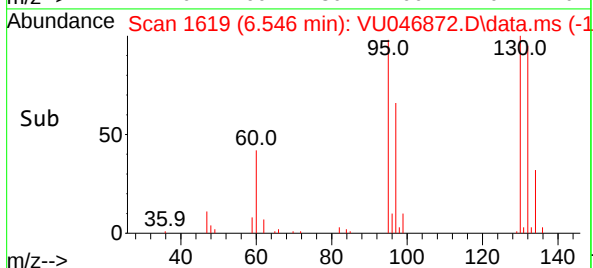
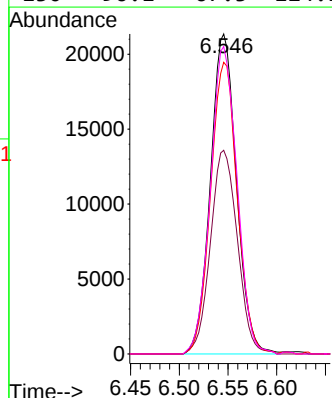
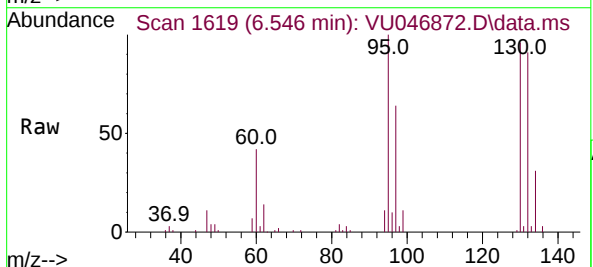
Ion Ratio Lower Upper

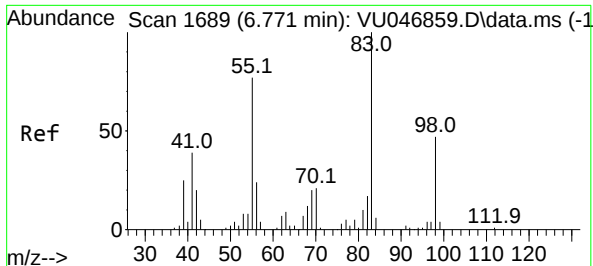
95 100

97 63.6 46.5 86.5

132 91.2 65.1 120.9

130 96.1 67.3 124.9

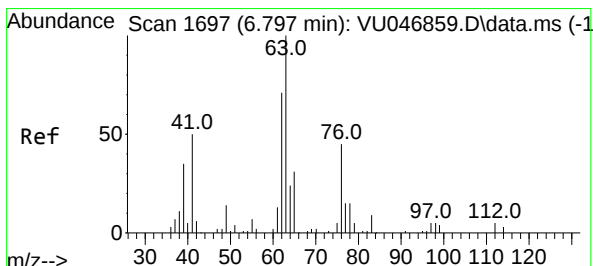
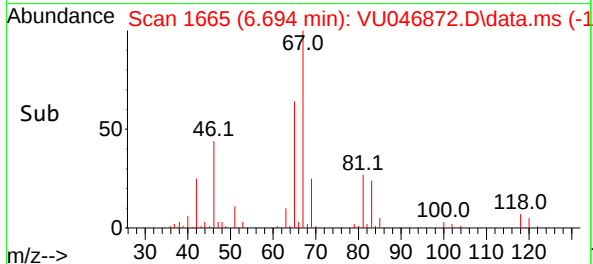
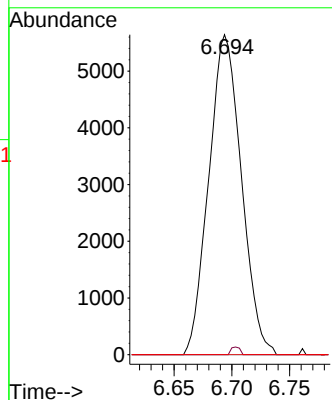
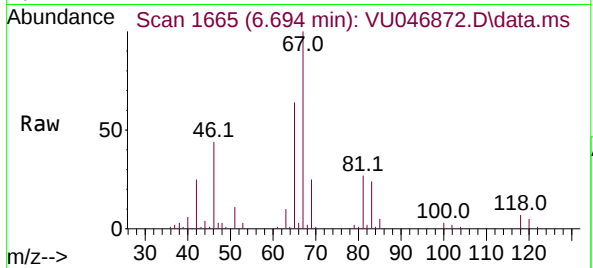




#35
Methylcyclohexane
Concen: 1.049 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.077 min
Lab File: VU046872.D
Acq: 27 Jan 2022 15:42

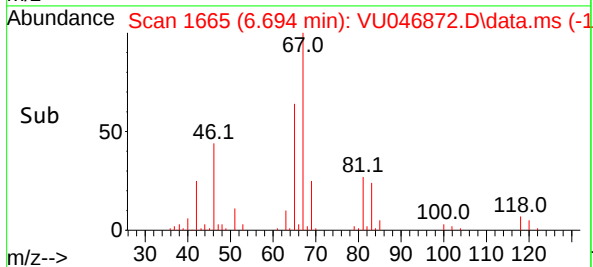
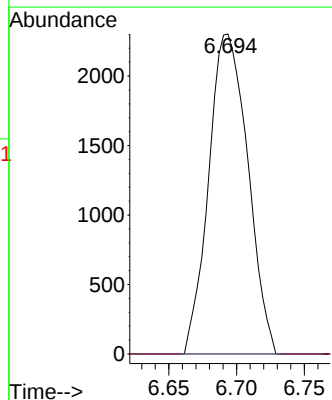
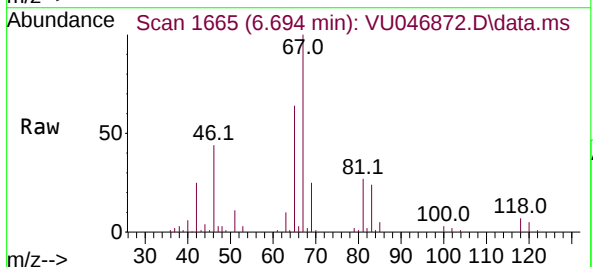
Instrument :
MSVOA_U
ClientSampleId :
BFX1DL

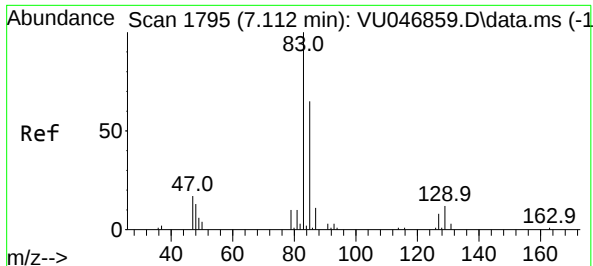
Tgt Ion: 83 Resp: 11076
Ion Ratio Lower Upper
83 100
55 0.7 61.9 92.9#
98 9.3 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.776 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU046872.D
Acq: 27 Jan 2022 15:42

Tgt Ion: 63 Resp: 4624
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#38

Bromodichloromethane

Concen: 0.040 ug/L

RT: 7.108 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046872.D

Acq: 27 Jan 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :

BFX1DL

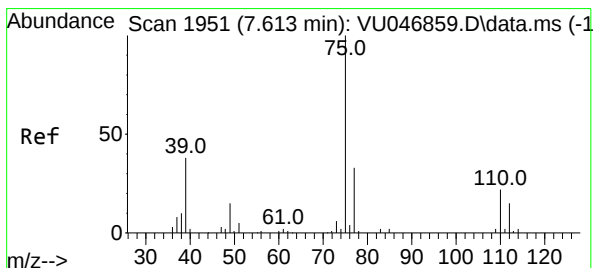
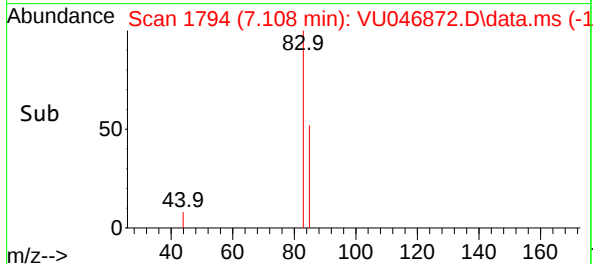
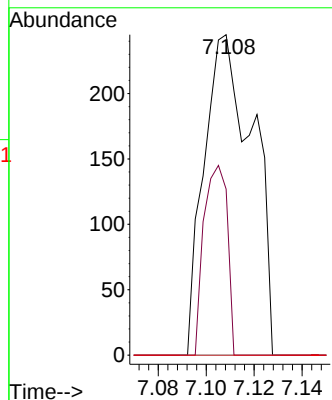
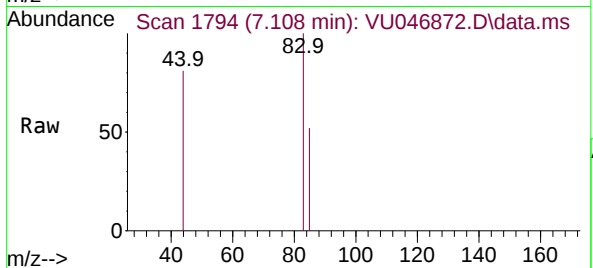
Tgt Ion: 83 Resp: 344

Ion Ratio Lower Upper

83 100

85 51.8 44.0 81.8

127 0.0 6.3 9.5#



#39

cis-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.048 min

Lab File: VU046872.D

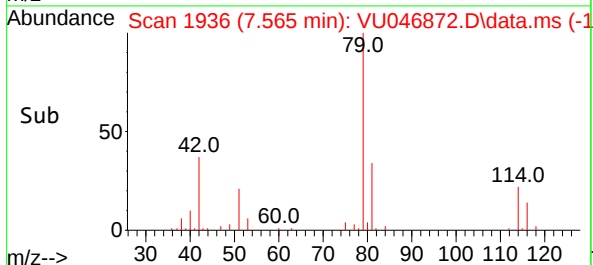
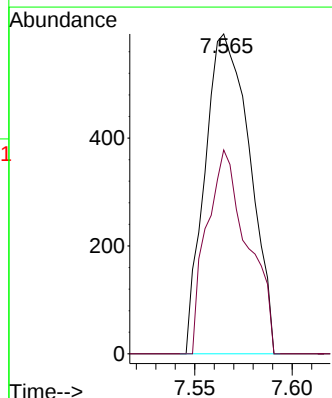
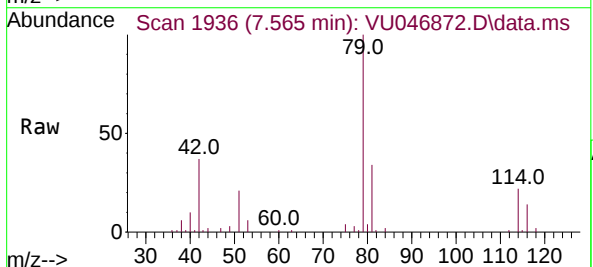
Acq: 27 Jan 2022 15:42

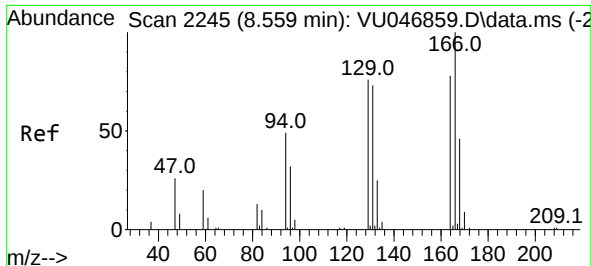
Tgt Ion: 75 Resp: 952

Ion Ratio Lower Upper

75 100

77 63.7 22.5 41.9#

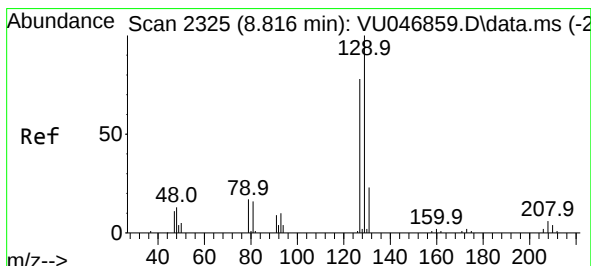
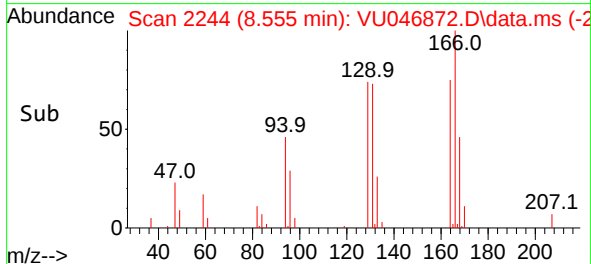
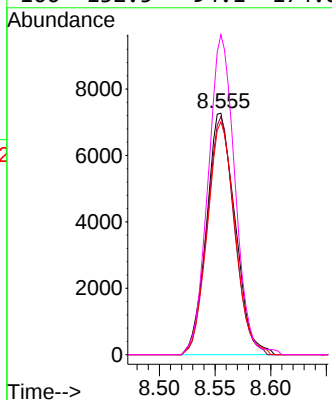
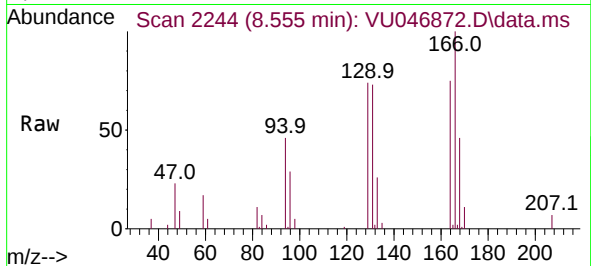




#47
Tetrachloroethene
Concen: 2.532 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046872.D
Acq: 27 Jan 2022 15:42

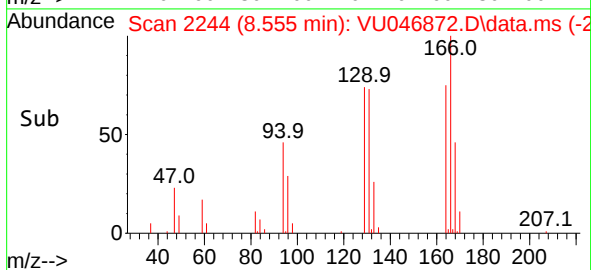
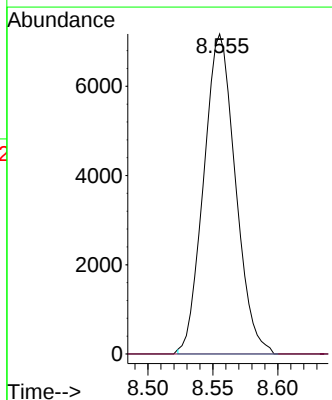
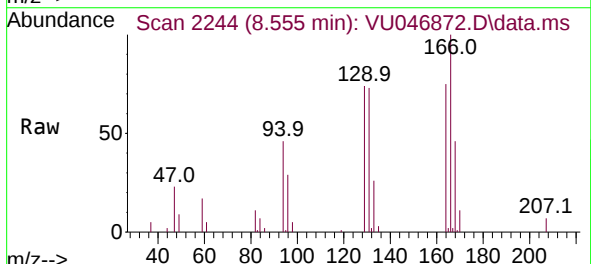
Instrument :
MSVOA_U
ClientSampleId :
BFX1DL

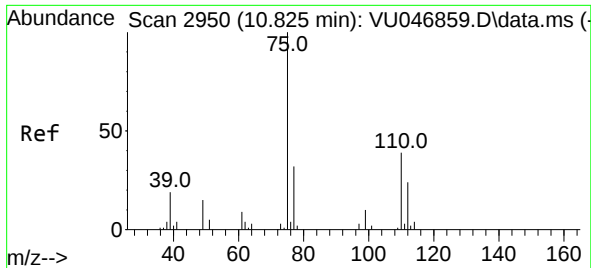
Tgt Ion:164	Resp:	12985
Ion Ratio	Lower	Upper
164	100	
129	98.6	71.8 133.4
131	96.4	68.5 127.3
166	132.5	94.1 174.8



#49
Dibromochloromethane
Concen: 2.036 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.261 min
Lab File: VU046872.D
Acq: 27 Jan 2022 15:42

Tgt Ion:129	Resp:	12169
Ion Ratio	Lower	Upper
129	100	
127	0.0	55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.418 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046872.D
 Acq: 27 Jan 2022 15:42

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX1DL

Tgt Ion: 75 Resp: 5796
 Ion Ratio Lower Upper
 75 100
 110 1.2 29.9 44.9#
 77 31.1 25.5 38.3

