

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012622\
 Data File : VU046847.D
 Acq On : 26 Jan 2022 15:49
 Operator : SY/MD
 Sample : N1260-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX9

Quant Time: Jan 27 00:14:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 27 00:12:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	99808	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	109018	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	57518	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	38259	4.524	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.400%
7) Chloroethane-d5	1.919	69	33599	5.042	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.575	65	16428	4.883	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.646	46	117669	46.965	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.920%
24) Chloroform-d	5.067	84	75233	5.067	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.707	65	40638	5.026	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	5.732	84	147957	4.618	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.694	67	46877	4.873	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.899	98	122944	4.192	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.182	79	17344	4.105	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.636	63	106978	42.764	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.520%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41928	4.341	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	48298	4.478	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.495	85	1686	0.180	ug/L	97
9) Trichlorofluoromethane	2.147	101	2489	0.254	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	2017	0.346	ug/L #	73
12) 1,1-Dichloroethene	2.588	96	119095	21.370	ug/L #	62
17) Methyl tert-butyl Ether	3.369	73	141147	9.027	ug/L	98
18) trans-1,2-Dichloroethene	3.366	96	1349	0.223	ug/L #	70
19) 1,1-Dichloroethane	3.877	63	127411	12.573	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	272870	42.853	ug/L	97
25) Chloroform	5.092	83	12778	0.794	ug/L	97
27) 1,2-Dichloroethane	5.803	62	2438	0.343	ug/L	97
29) 1,1,1-Trichloroethane	5.321	97	50607	5.154	ug/L	98
31) Carbon tetrachloride	5.321	117	6288	0.746	ug/L	96
34) Trichloroethene	6.546	95	304819	45.740	ug/L	99
35) Methylcyclohexane	6.697	83	11342	1.016	ug/L #	25
37) 1,2-Dichloropropane	6.697	63	5037	0.800	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1163	0.118	ug/L #	49
45) 1,1,2-Trichloroethane	8.398	97	934	0.174	ug/L #	84
47) Tetrachloroethene	8.555	164	102185	18.853	ug/L	94
49) Dibromochloromethane	8.555	129	99567	15.757	ug/L #	10

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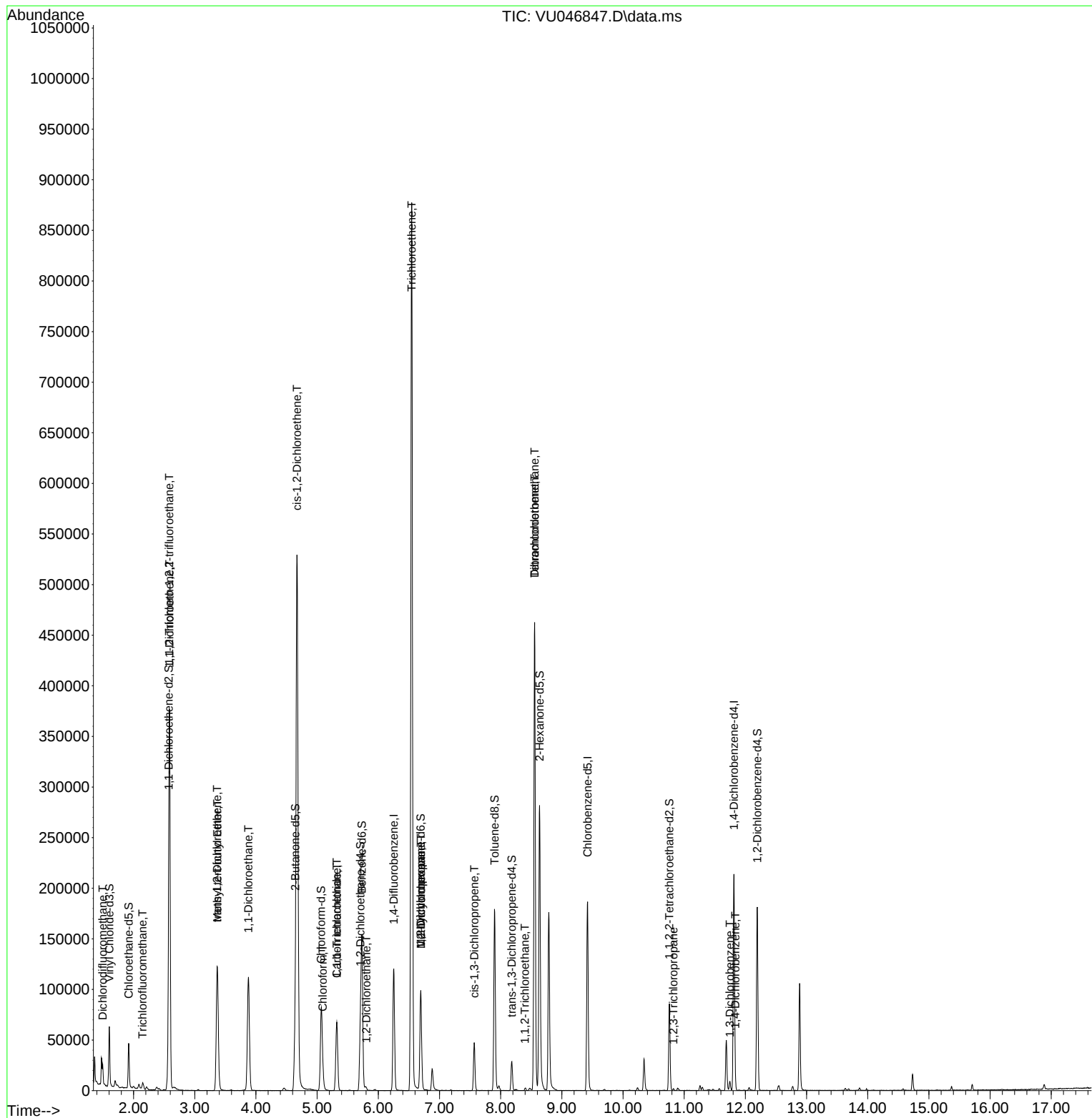
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.825	75	956	0.196	ug/L #	89
64) 1,3-Dichlorobenzene	11.748	146	4013	0.300	ug/L	88
65) 1,4-Dichlorobenzene	11.838	146	1489	0.110	ug/L	97

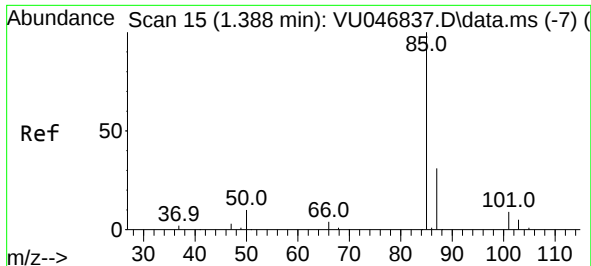
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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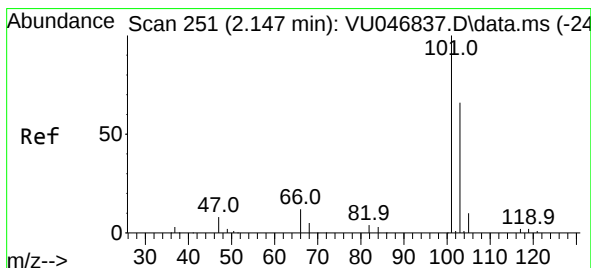
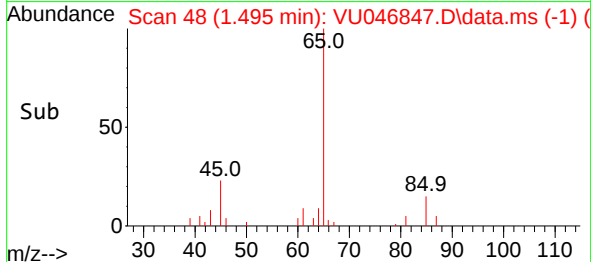
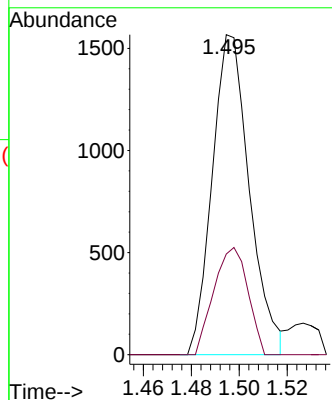
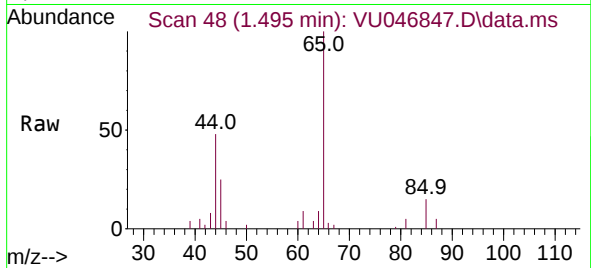




#2
Dichlorodifluoromethane
Concen: 0.180 ug/L
RT: 1.495 min Scan# 41
Delta R.T. 0.106 min
Lab File: VU046847.D
Acq: 26 Jan 2022 15:49

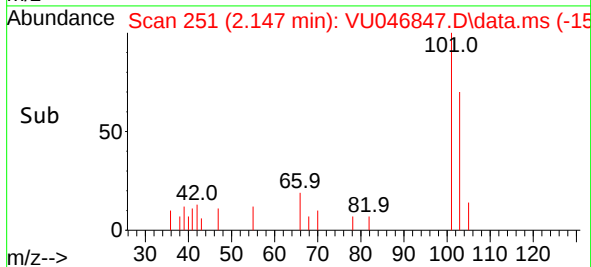
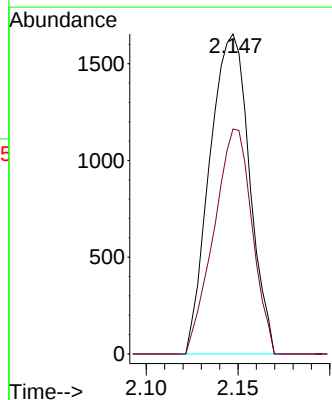
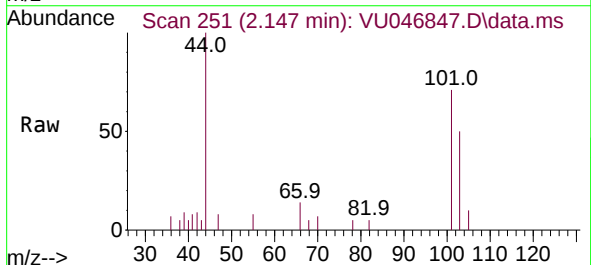
Instrument :
MSVOA_U
ClientSampleId :
BFX9

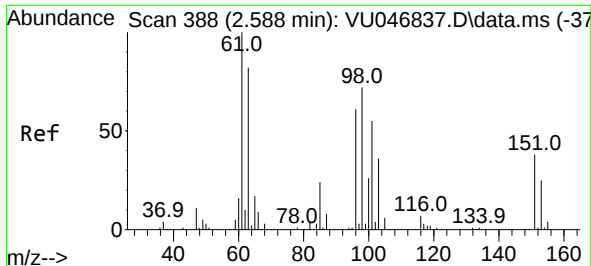
Tgt Ion: 85 Resp: 1686
Ion Ratio Lower Upper
85 100
87 30.6 25.8 38.6



#9
Trichlorofluoromethane
Concen: 0.254 ug/L
RT: 2.147 min Scan# 251
Delta R.T. 0.000 min
Lab File: VU046847.D
Acq: 26 Jan 2022 15:49

Tgt Ion:101 Resp: 2489
Ion Ratio Lower Upper
101 100
103 67.6 51.5 77.3





#10

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

Concen: 0.346 ug/L

RT: 2.585 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

Instrument :

MSVOA_U

ClientSampleId :

BFX9

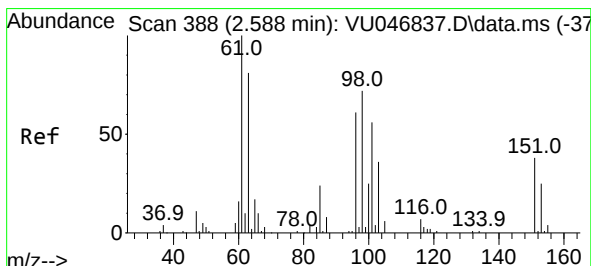
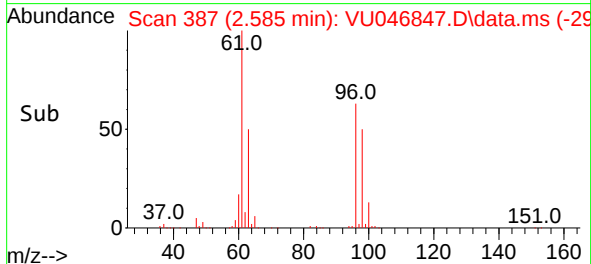
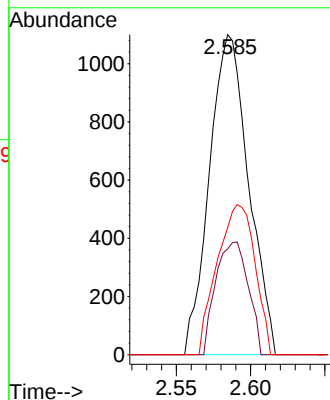
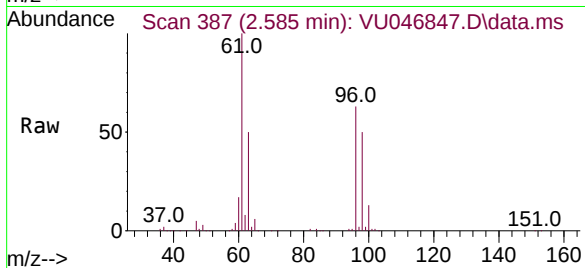
Tgt Ion:101 Resp: 2017

Ion Ratio Lower Upper

101 100

85 29.1 34.6 51.8#

151 45.2 56.1 84.1#



#12

1,1-Dichloroethene

Concen: 21.370 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

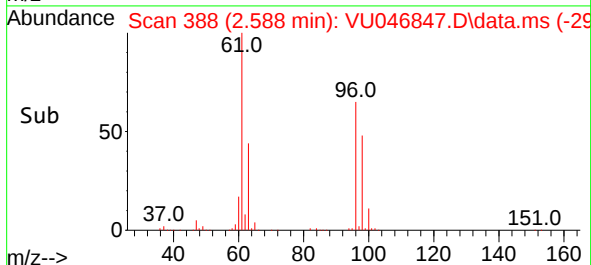
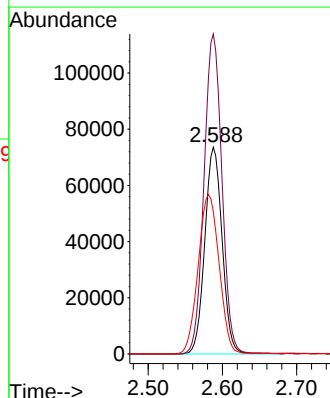
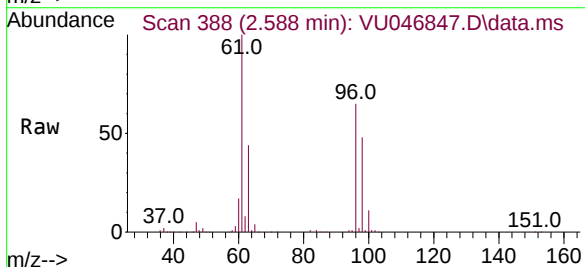
Tgt Ion: 96 Resp: 119095

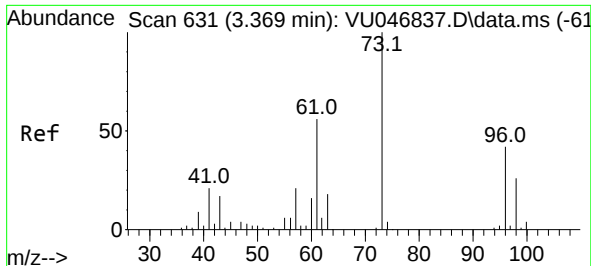
Ion Ratio Lower Upper

96 100

61 154.8 124.7 231.5

63 68.8 105.2 195.4#





#17

Methyl tert-butyl Ether

Concen: 9.027 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

Instrument :

MSVOA_U

ClientSampleId :

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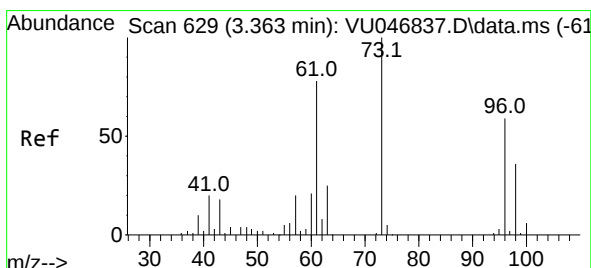
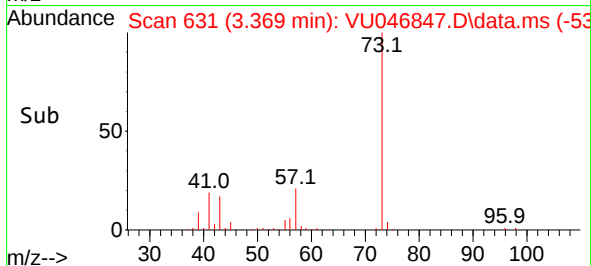
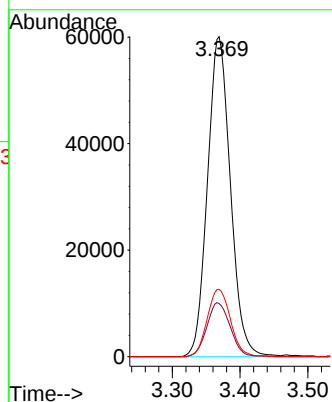
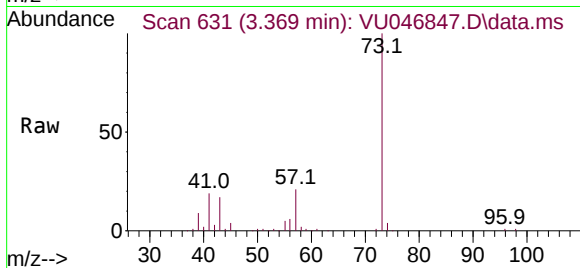
Tgt Ion: 73 Resp: 141147

Ion Ratio Lower Upper

73 100

43 17.1 14.8 22.2

57 21.4 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 0.223 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.003 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

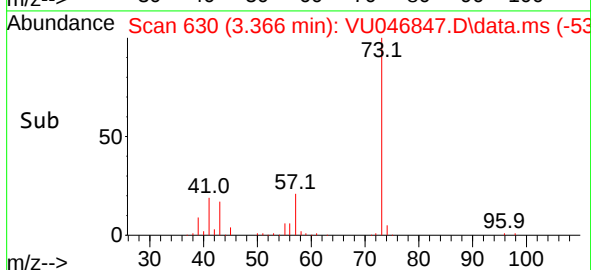
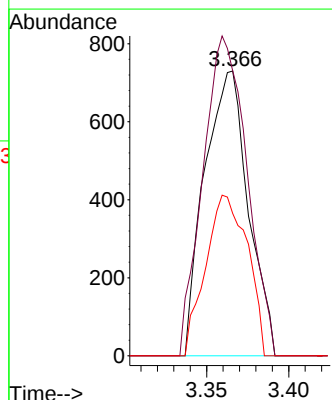
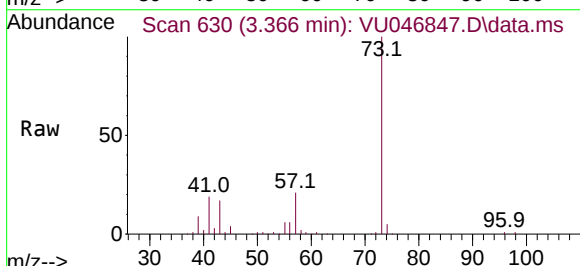
Tgt Ion: 96 Resp: 1349

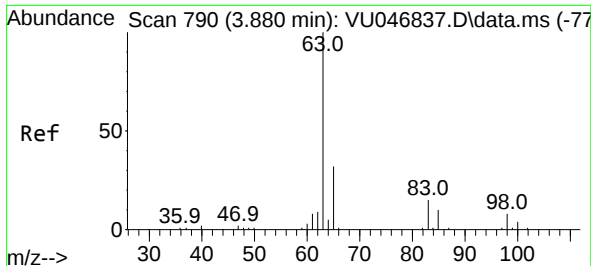
Ion Ratio Lower Upper

96 100

61 100.1 100.8 187.2#

98 50.0 45.1 83.7





#19

1,1-Dichloroethane

Concen: 12.573 ug/L

RT: 3.877 min Scan# 790

Delta R.T. -0.003 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

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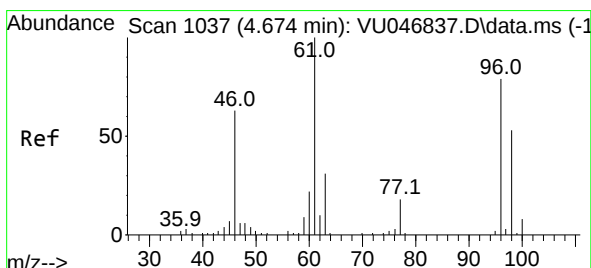
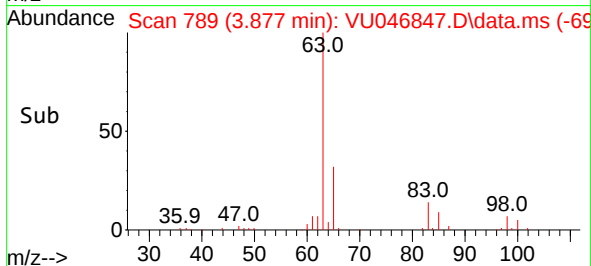
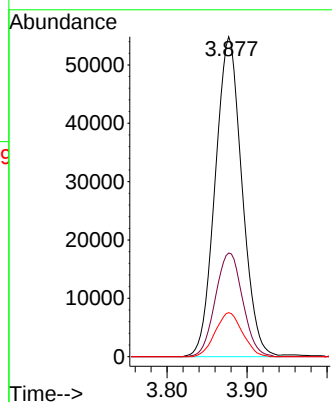
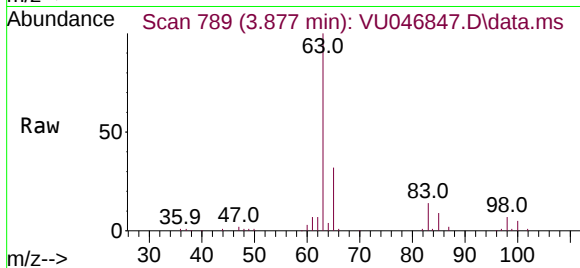
Tgt Ion: 63 Resp: 127411

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.5

83 13.7 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 42.853 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

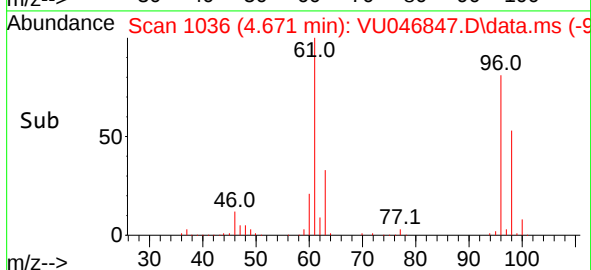
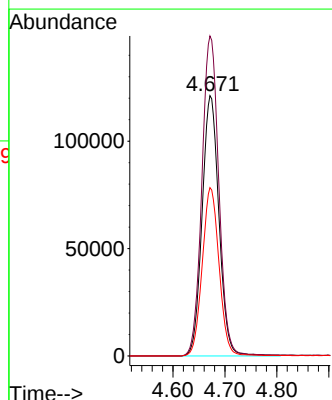
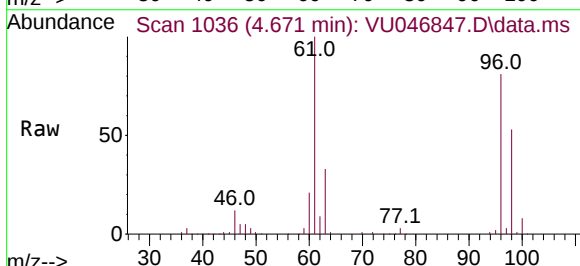
Tgt Ion: 96 Resp: 272870

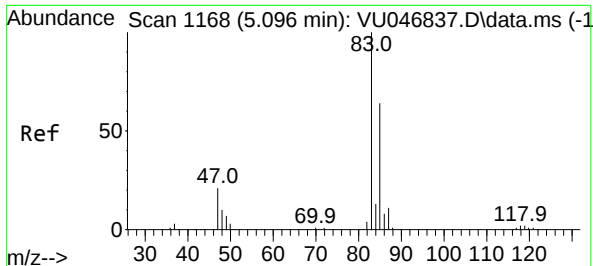
Ion Ratio Lower Upper

96 100

61 122.9 88.5 164.3

98 64.6 44.4 82.5





#25

Chloroform

Concen: 0.794 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU046847.D

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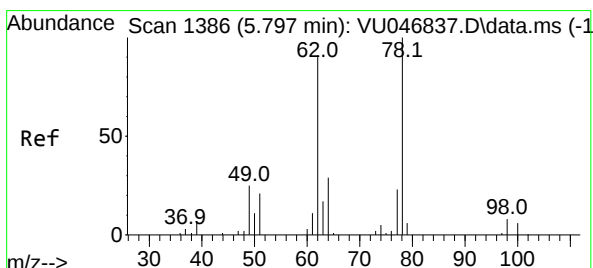
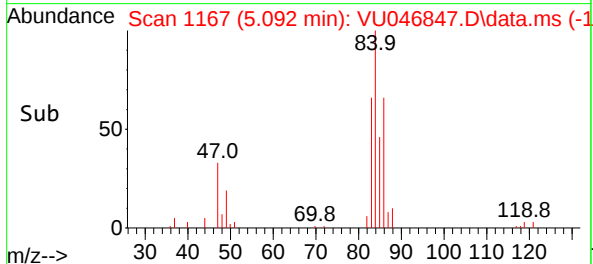
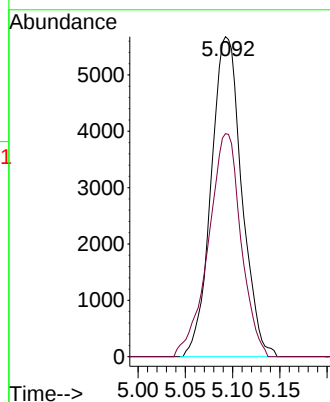
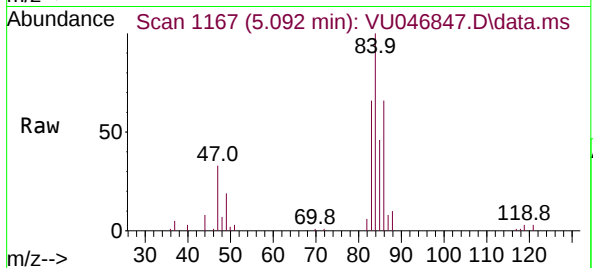
BFX9

Tgt Ion: 83 Resp: 12778

Ion Ratio Lower Upper

83 100

85 69.7 46.9 87.1



#27

1,2-Dichloroethane

Concen: 0.343 ug/L

RT: 5.803 min Scan# 1388

Delta R.T. 0.006 min

Lab File: VU046847.D

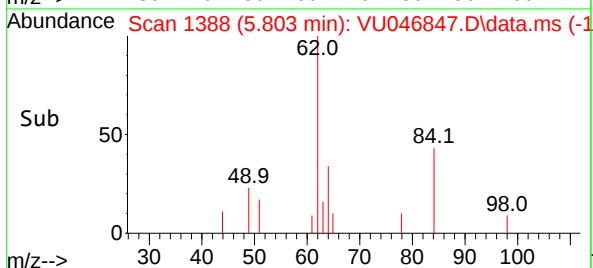
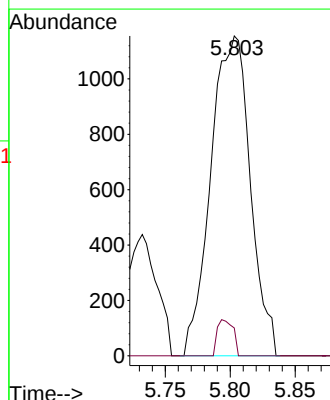
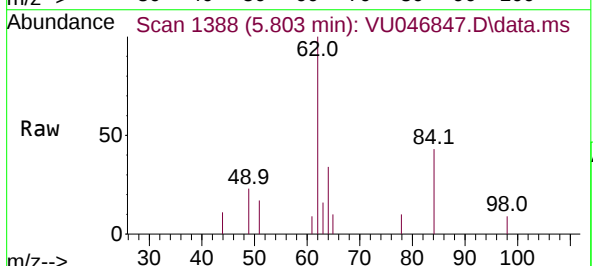
Acq: 26 Jan 2022 15:49

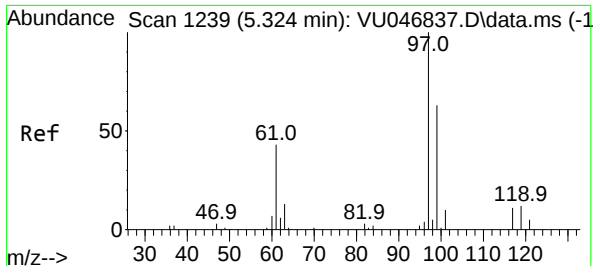
Tgt Ion: 62 Resp: 2438

Ion Ratio Lower Upper

62 100

98 8.7 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.154 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

Instrument :

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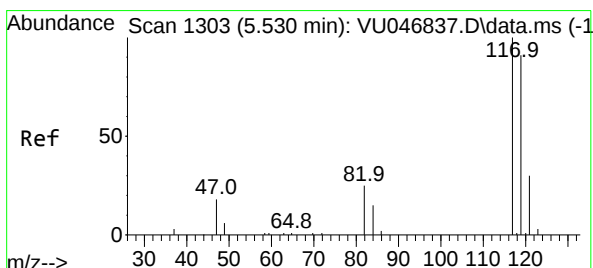
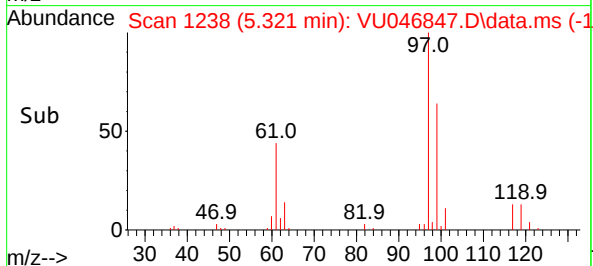
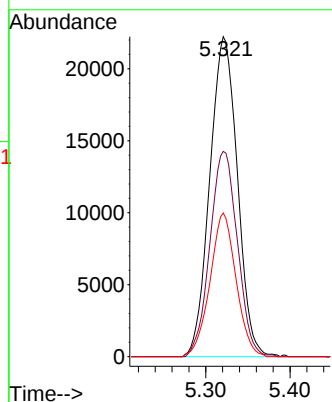
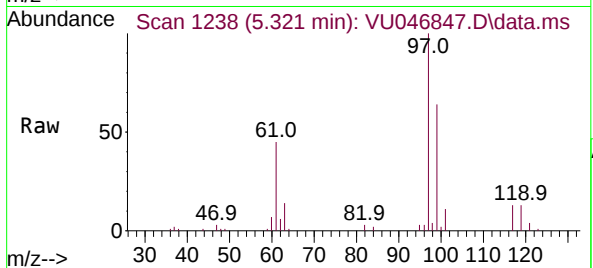
Tgt Ion: 97 Resp: 50607

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 42.4 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.746 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU046847.D

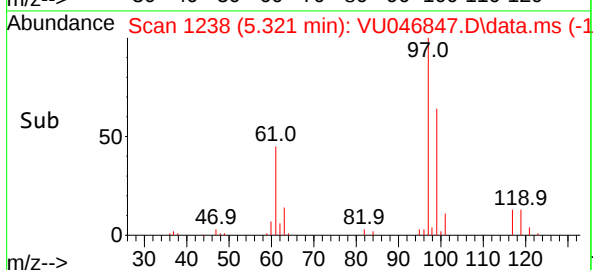
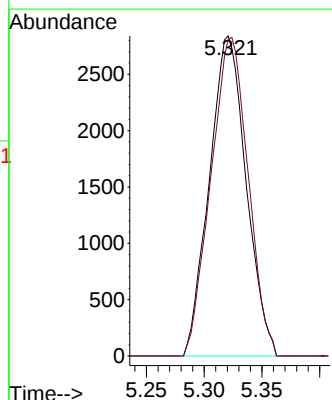
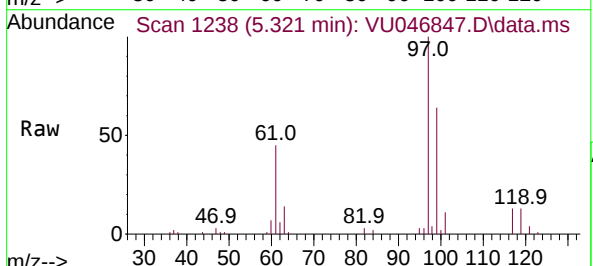
Acq: 26 Jan 2022 15:49

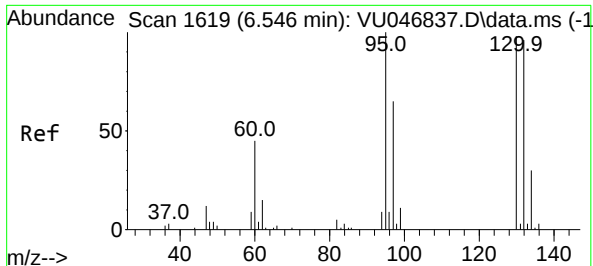
Tgt Ion: 117 Resp: 6288

Ion Ratio Lower Upper

117 100

119 100.7 77.5 116.3





#34

Trichloroethene

Concen: 45.740 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

Instrument :

MSVOA_U

ClientSampleId :

BFX9

Tgt Ion: 95 Resp: 304819

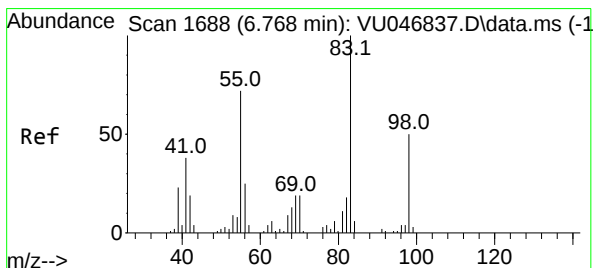
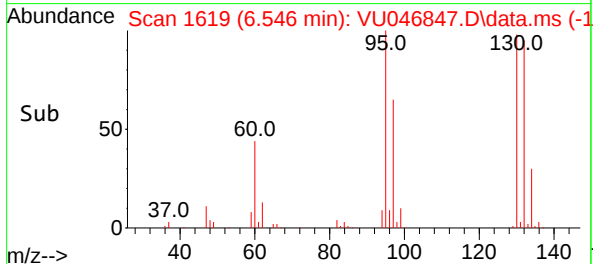
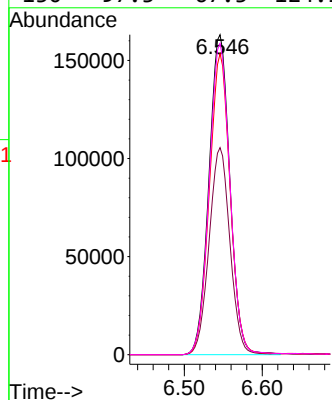
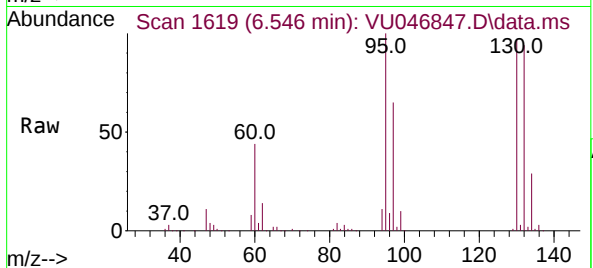
Ion Ratio Lower Upper

95 100

97 64.7 46.5 86.5

132 94.1 65.1 120.9

130 97.3 67.3 124.9



#35

Methylcyclohexane

Concen: 1.016 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.071 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

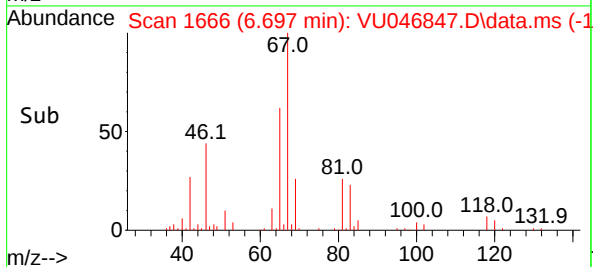
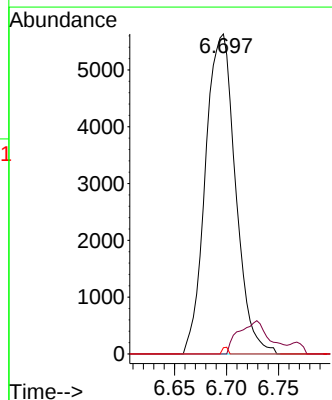
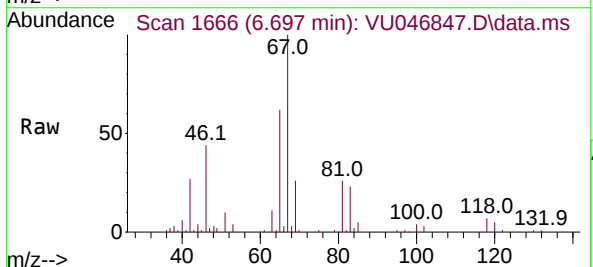
Tgt Ion: 83 Resp: 11342

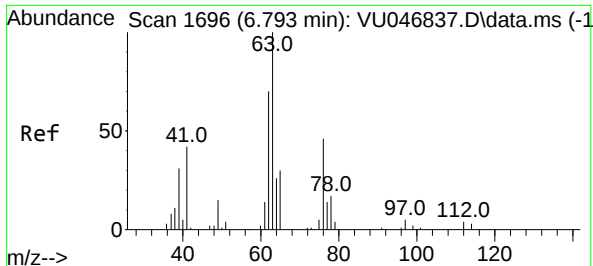
Ion Ratio Lower Upper

83 100

55 10.6 61.9 92.9#

98 0.0 39.0 58.6#

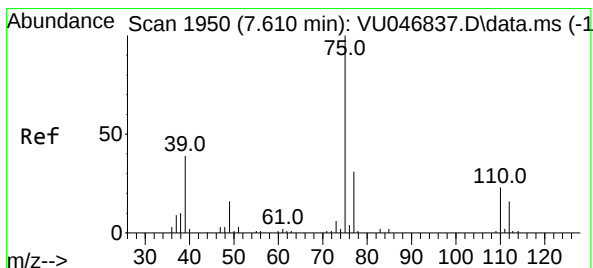
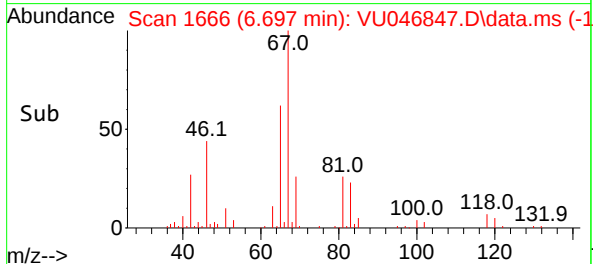
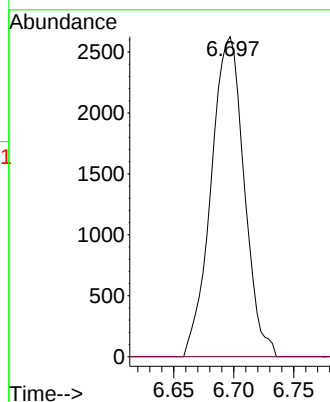
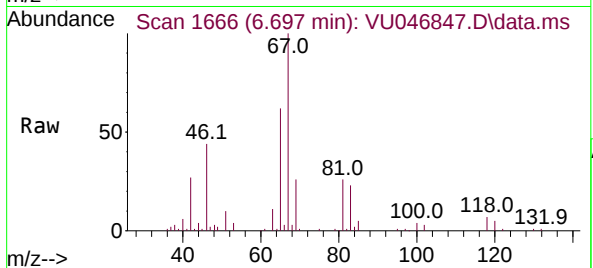




#37
1,2-Dichloropropane
Concen: 0.800 ug/L
RT: 6.697 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU046847.D
Acq: 26 Jan 2022 15:49

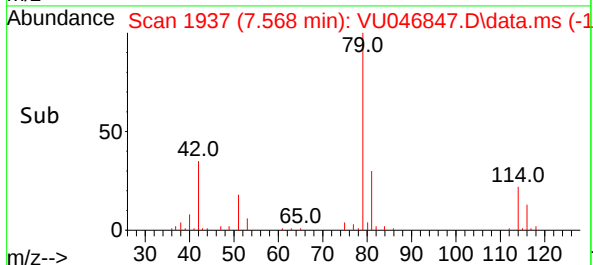
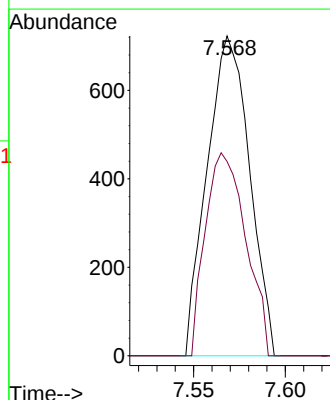
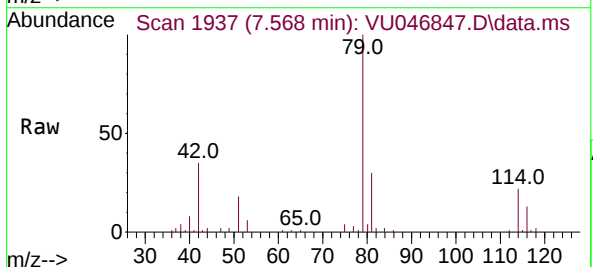
Instrument :
MSVOA_U
ClientSampleId :
BFX9

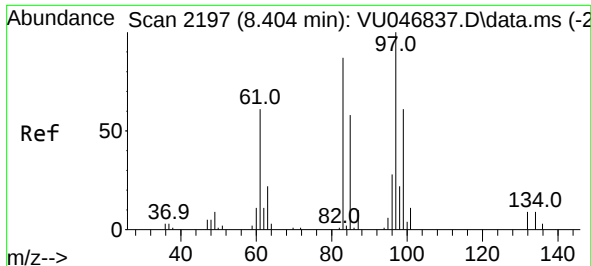
Tgt Ion: 63 Resp: 5037
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#39
cis-1,3-Dichloropropene
Concen: 0.118 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU046847.D
Acq: 26 Jan 2022 15:49

Tgt Ion: 75 Resp: 1163
Ion Ratio Lower Upper
75 100
77 60.7 22.5 41.9#

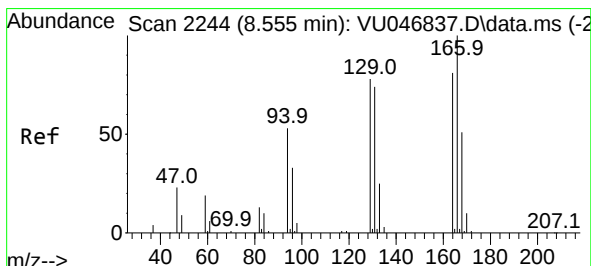
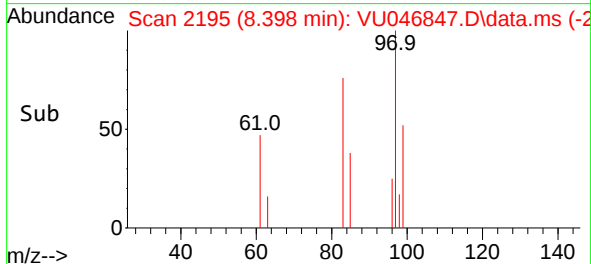
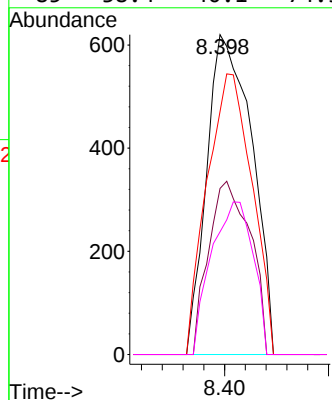
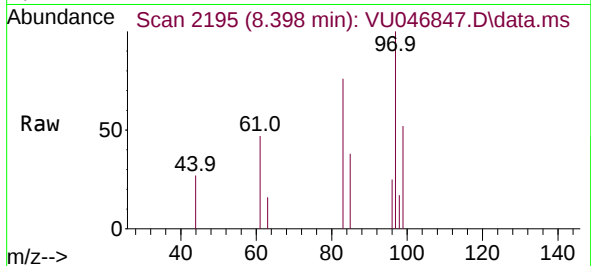




#45
1,1,2-Trichloroethane
Concen: 0.174 ug/L
RT: 8.398 min Scan# 2197
Delta R.T. -0.006 min
Lab File: VU046847.D
Acq: 26 Jan 2022 15:49

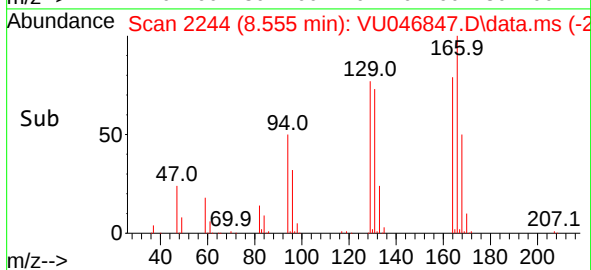
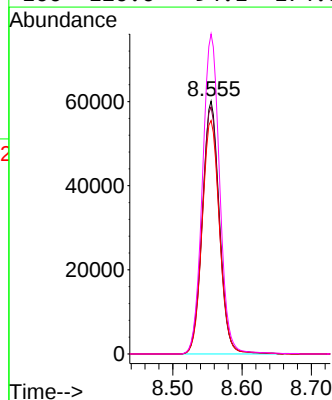
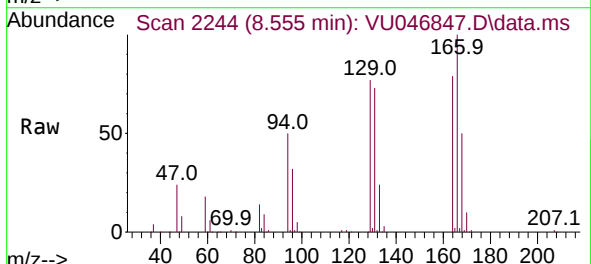
Instrument :
MSVOA_U
ClientSampleId :
BFX9

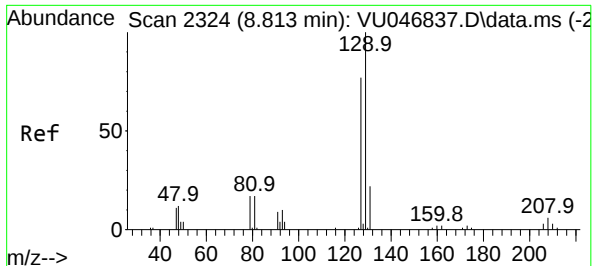
Tgt Ion: 97	Resp: 934
Ion Ratio	Lower Upper
97 100	
99 51.9	42.3 78.5
83 76.0	62.0 115.2
85 38.4	40.1 74.5#



#47
Tetrachloroethene
Concen: 18.853 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046847.D
Acq: 26 Jan 2022 15:49

Tgt	Ion:164	Resp:	102185
Ion	Ratio	Lower	Upper
164	100		
129	97.7	71.8	133.4
131	92.4	68.5	127.3
166	126.6	94.1	174.8





#49

Dibromochloromethane

Concen: 15.757 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

Instrument :

MSVOA_U

ClientSampleId :

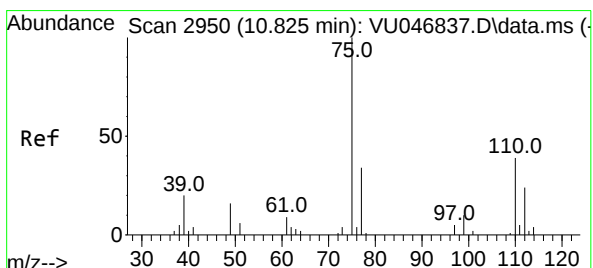
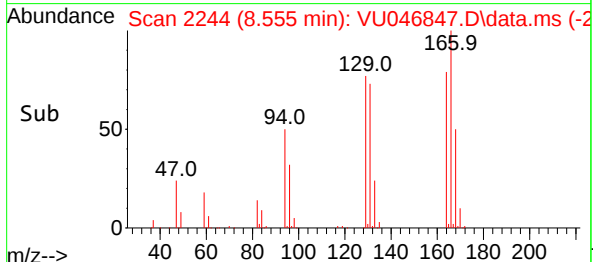
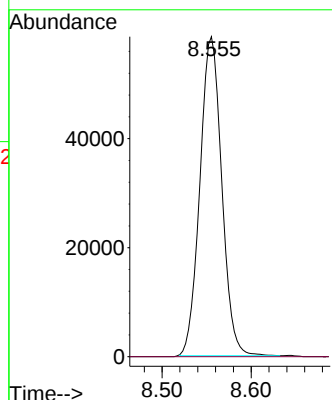
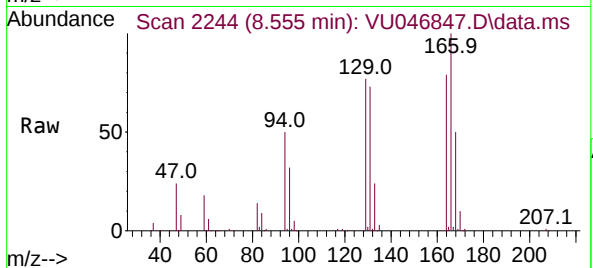
BFX9

Tgt Ion:129 Resp: 99567

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 0.196 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU046847.D

Acq: 26 Jan 2022 15:49

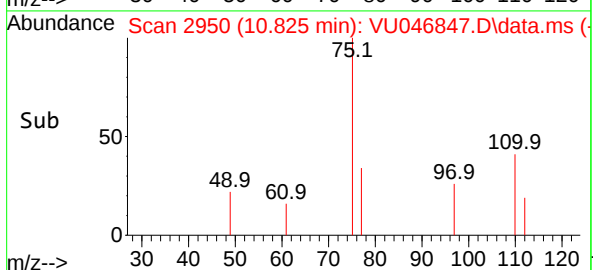
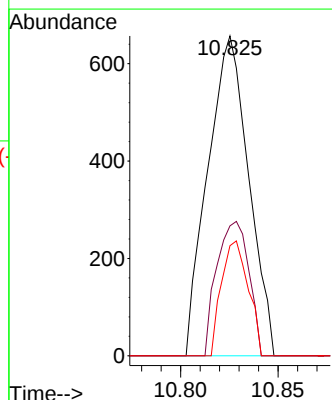
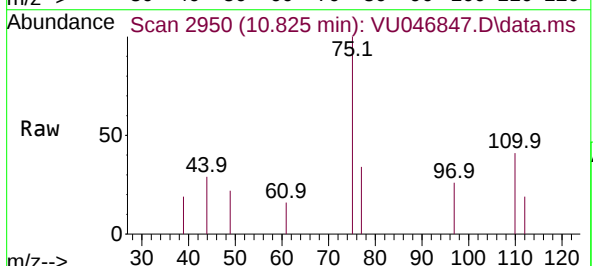
Tgt Ion: 75 Resp: 956

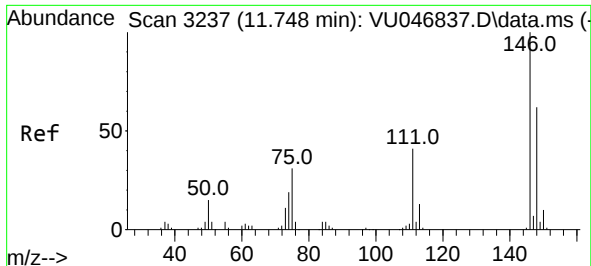
Ion Ratio Lower Upper

75 100

110 32.9 29.9 44.9

77 23.5 25.5 38.3#

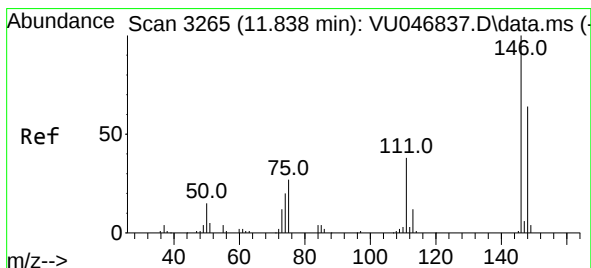
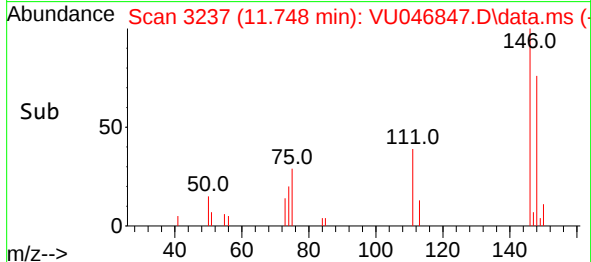
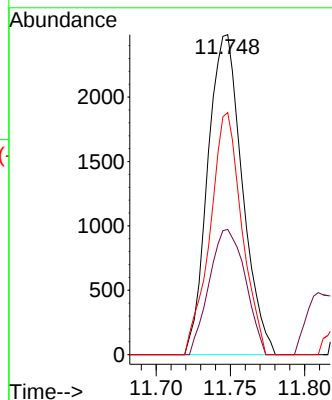
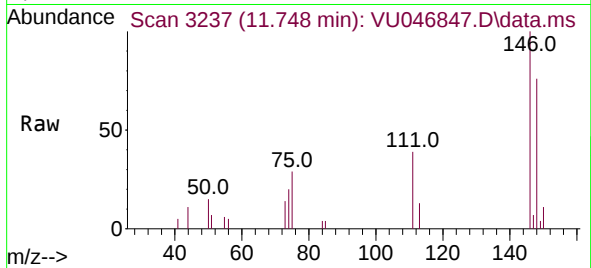




#64
1,3-Dichlorobenzene
Concen: 0.300 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU046847.D
Acq: 26 Jan 2022 15:49

Instrument :
MSVOA_U
ClientSampleId :
BFXX9

Tgt Ion:146 Resp: 4013
Ion Ratio Lower Upper
146 100
111 39.2 29.9 55.5
148 75.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.110 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046847.D
Acq: 26 Jan 2022 15:49

Tgt Ion:146 Resp: 1489
Ion Ratio Lower Upper
146 100
111 36.7 28.7 53.3
148 64.8 45.8 85.0

