

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011322\
 Data File : VU046754.D
 Acq On : 13 Jan 2022 13:59
 Operator : SY/MD
 Sample : N1101-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 13 23:13:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jan 10 00:25:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	68643	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	71501	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	41815	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	16804	3.108	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.200%
7) Chloroethane-d5	1.919	69	16357	3.842	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.800%
11) 1,1-Dichloroethene-d2	2.571	65	7386	3.240	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.800%
20) 2-Butanone-d5	4.642	46	87100	55.537	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.080%
24) Chloroform-d	5.067	84	43739	4.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.706	65	25281	4.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.729	84	79869	4.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
36) 1,2-Dichloropropane-d6	6.694	67	26637	4.447	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.899	98	66856	3.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
43) trans-1,3-Dichloroprop...	8.182	79	11486	4.147	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.636	63	76247	46.883	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.760%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	28218	4.590	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	32160	4.175	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.600%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.141	101	2027	0.174	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	287	0.048	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	19840	3.286	ug/L	75
19) 1,1-Dichloroethane	3.874	63	103180	8.694	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	2686	0.381	ug/L	82
27) 1,2-Dichloroethane	5.796	62	998	0.109	ug/L #	73
29) 1,1,1-Trichloroethane	5.317	97	9491	0.803	ug/L	95
31) Carbon tetrachloride	5.321	117	1211	0.122	ug/L	98
33) Benzene	5.777	78	1781	0.063	ug/L	100
34) Trichloroethene	6.546	95	406666	54.301	ug/L	98
35) Methylcyclohexane	6.694	83	6902	0.654	ug/L #	33
37) 1,2-Dichloropropane	6.694	63	2780	0.384	ug/L #	88
38) Bromodichloromethane	7.108	83	1742	0.174	ug/L #	93
47) Tetrachloroethene	8.555	164	8419	1.589	ug/L	92
49) Dibromochloromethane	8.812	129	1956	0.271	ug/L	90
59) Bromoform	10.291	173	637	0.132	ug/L #	79
61) 1,2,3-Trichloropropane	11.809	75	4910	0.707	ug/L #	65

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

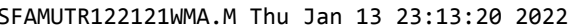
Instrument :
MSVOA_U
ClientSampleId :

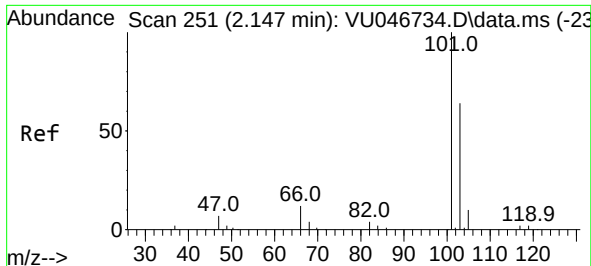
Quant Time: Jan 13 23:13:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Jan 10 00:25:50 2022
Response via : Initial Calibration

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

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

Quant Time: Jan 13 23:13:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
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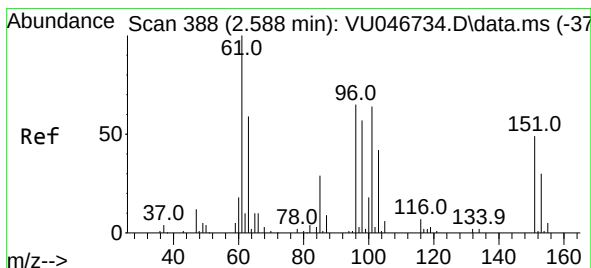
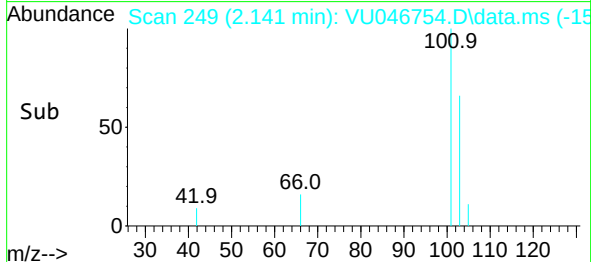
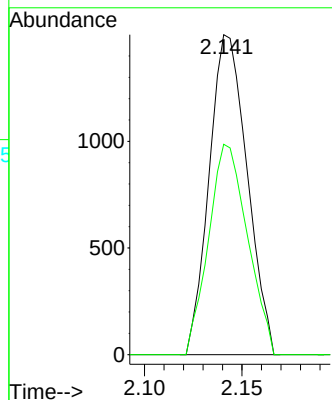
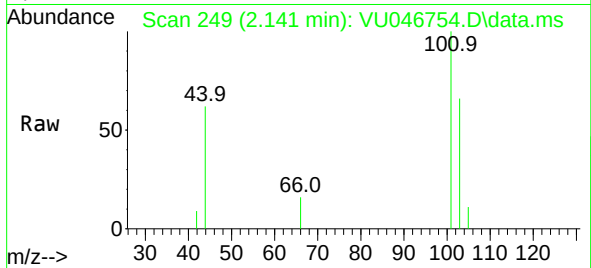




#9
 Trichlorofluoromethane
 Concen: 0.174 ug/L
 RT: 2.141 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VU046754.D
 Acq: 13 Jan 2022 13:59

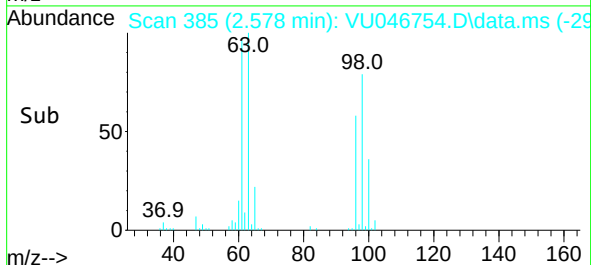
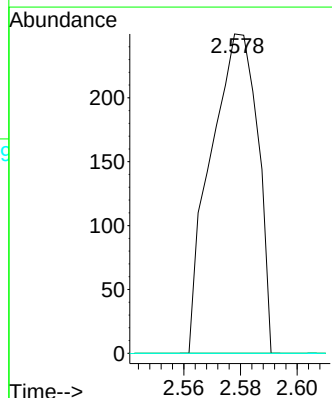
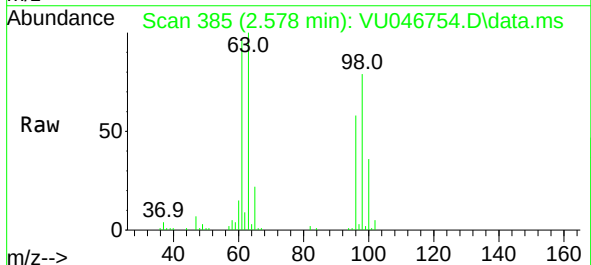
Instrument :
 MSVOA_U
 ClientSampleId :

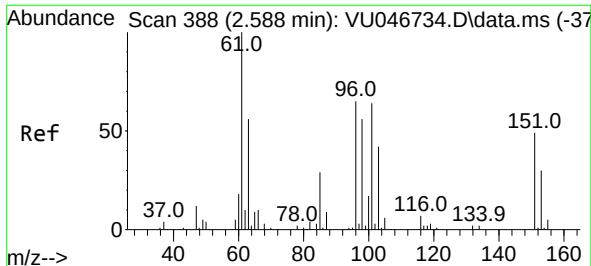
Tgt Ion:101 Resp: 2027
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.048 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU046754.D
 Acq: 13 Jan 2022 13:59

Tgt Ion:101 Resp: 287
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 3.286 ug/L

RT: 2.584 min Scan# 388

Delta R.T. 0.006 min

Lab File: VU046754.D

Acq: 13 Jan 2022 13:59

Instrument :

MSVOA_U

ClientSampleId :

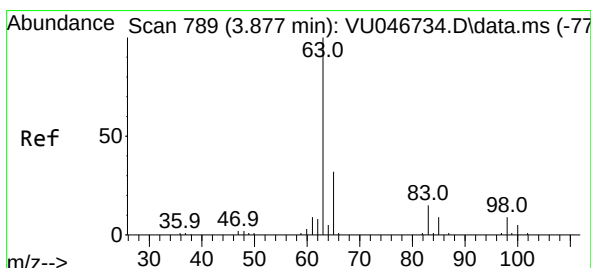
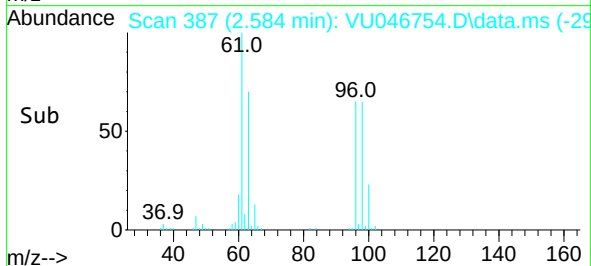
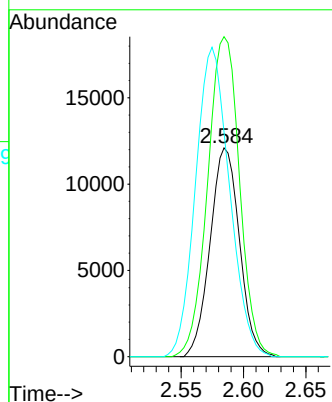
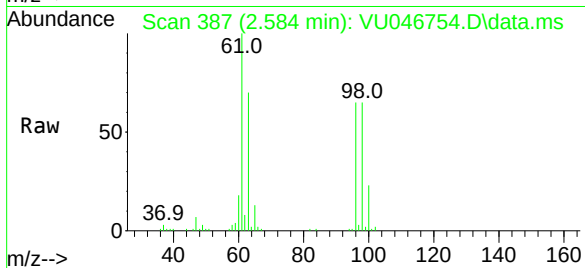
Tgt Ion: 96 Resp: 19840

Ion Ratio Lower Upper

96 100

61 153.2 124.7 231.5

63 107.5 105.2 195.4



#19

1,1-Dichloroethane

Concen: 8.694 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.006 min

Lab File: VU046754.D

Acq: 13 Jan 2022 13:59

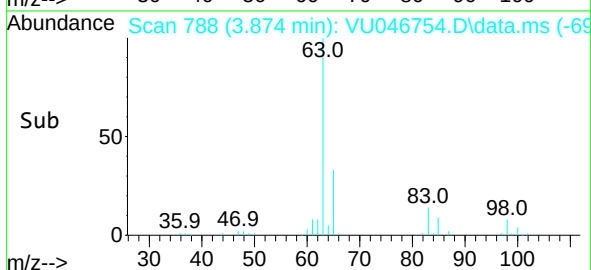
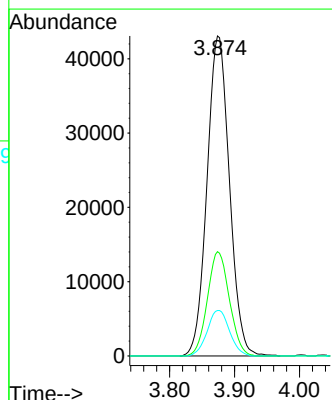
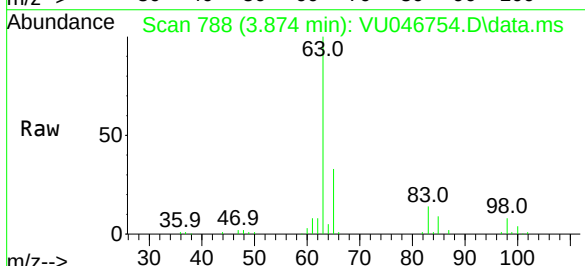
Tgt Ion: 63 Resp: 103180

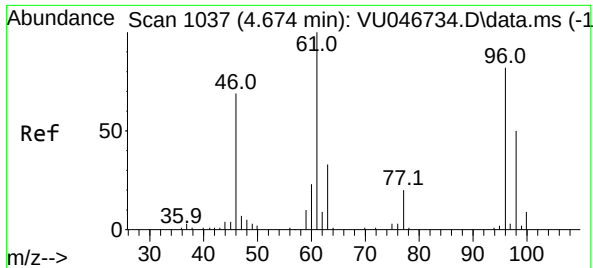
Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 14.2 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 0.381 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VU046754.D

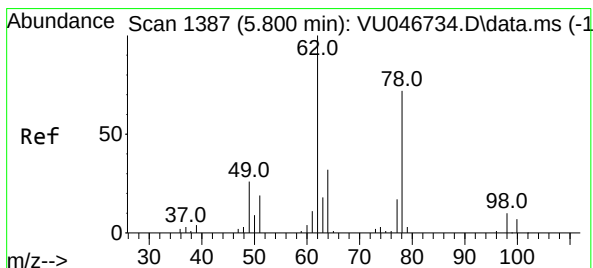
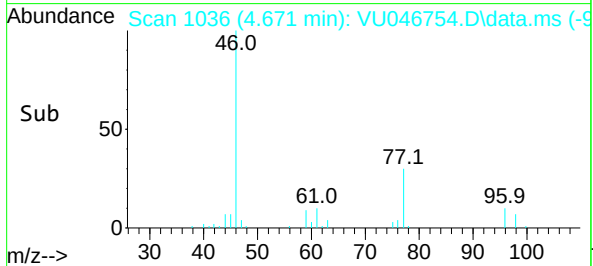
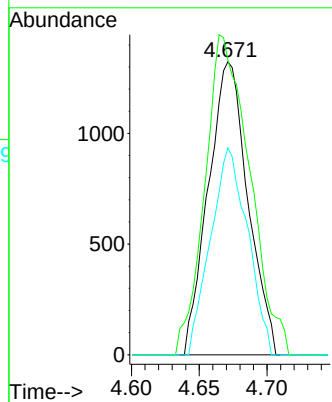
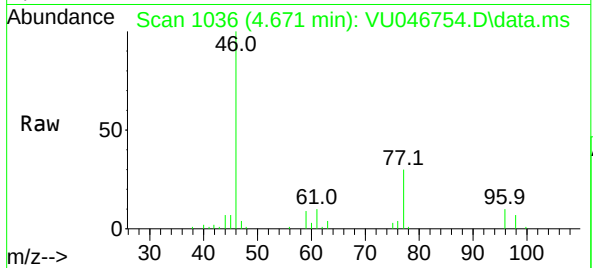
Acq: 13 Jan 2022 13:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96	Resp: 2686
Ion Ratio	Lower Upper
96 100	
61 100.6	88.5 164.3
98 70.5	44.4 82.5



#27

1,2-Dichloroethane

Concen: 0.109 ug/L

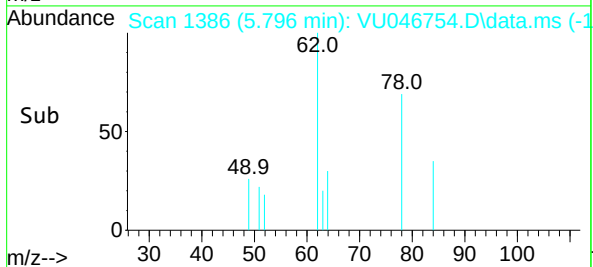
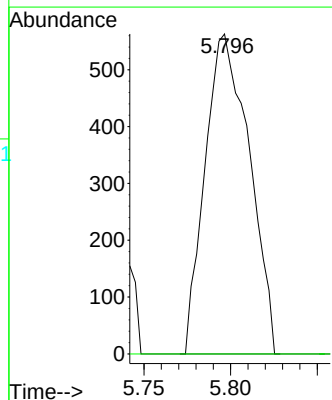
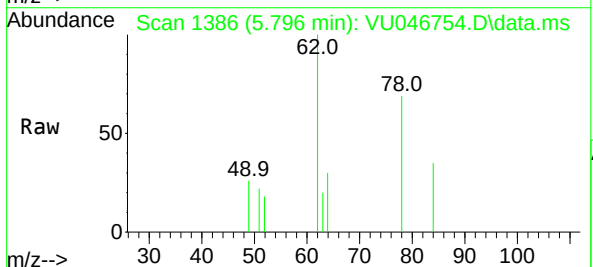
RT: 5.796 min Scan# 1386

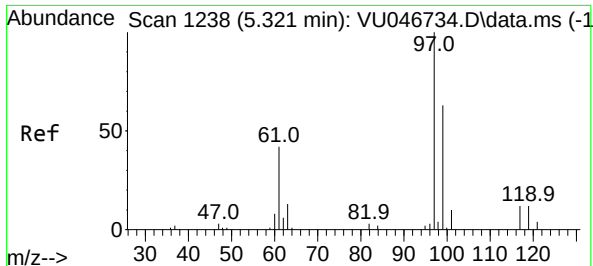
Delta R.T. 0.003 min

Lab File: VU046754.D

Acq: 13 Jan 2022 13:59

Tgt Ion: 62	Resp: 998
Ion Ratio	Lower Upper
62 100	
98 0.0	7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 0.803 ug/L

RT: 5.317 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046754.D

Acq: 13 Jan 2022 13:59

Instrument :

MSVOA_U

ClientSampleId :

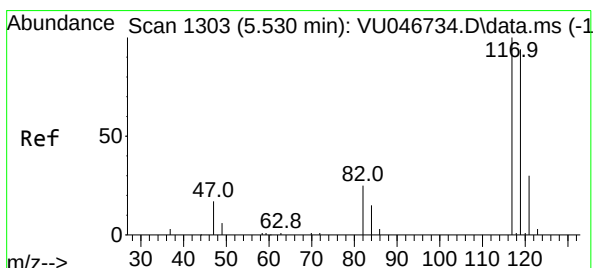
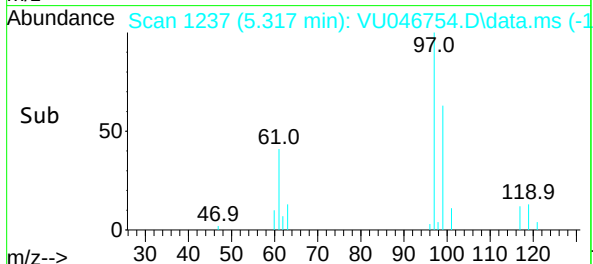
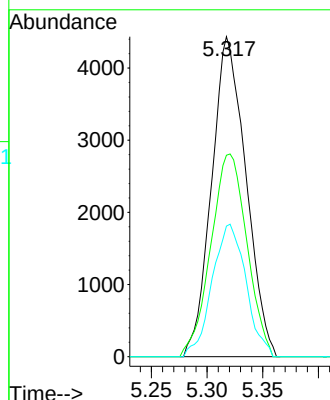
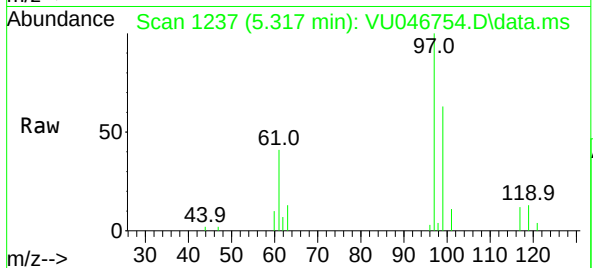
Tgt Ion: 97 Resp: 9491

Ion Ratio Lower Upper

97 100

99 66.7 51.3 76.9

61 40.8 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.122 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.206 min

Lab File: VU046754.D

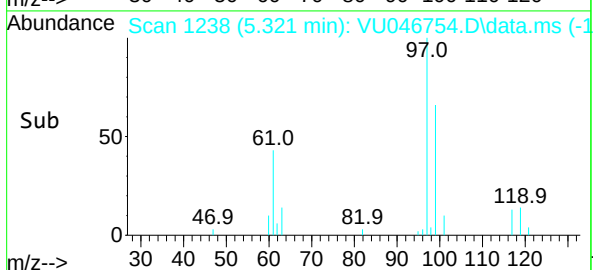
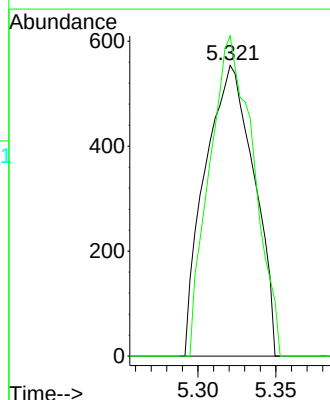
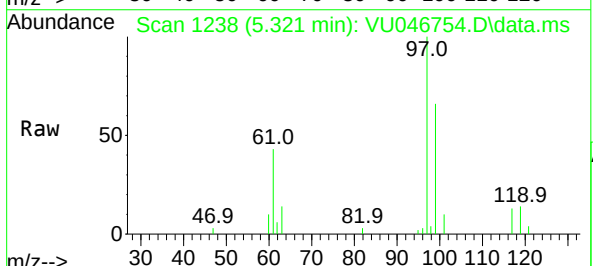
Acq: 13 Jan 2022 13:59

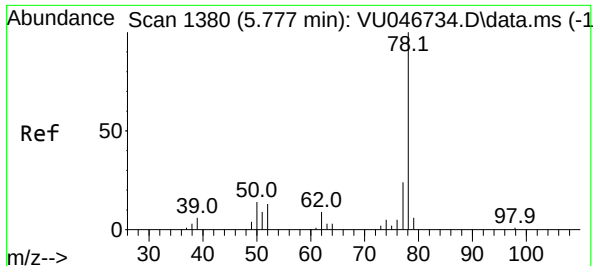
Tgt Ion: 117 Resp: 1211

Ion Ratio Lower Upper

117 100

119 98.8 77.5 116.3





#33

Benzene

Concen: 0.063 ug/L

RT: 5.777 min Scan# 1380

Delta R.T. 0.003 min

Lab File: VU046754.D

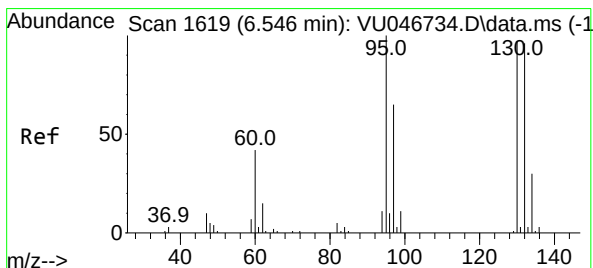
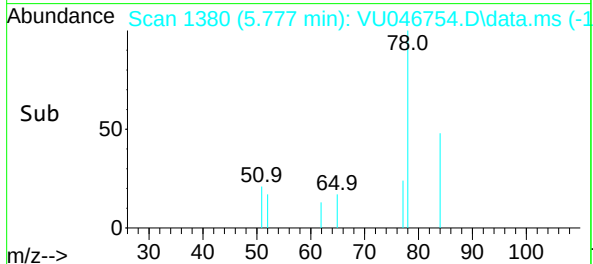
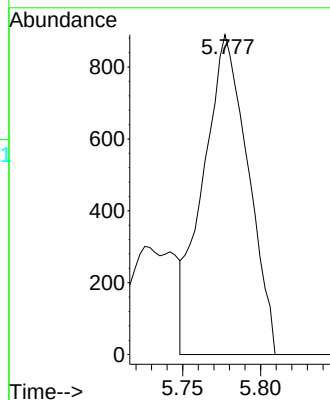
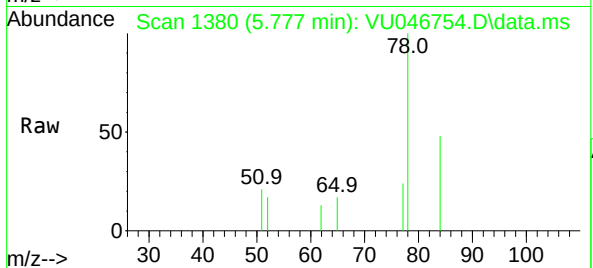
Acq: 13 Jan 2022 13:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 1781



#34

Trichloroethene

Concen: 54.301 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.003 min

Lab File: VU046754.D

Acq: 13 Jan 2022 13:59

Tgt Ion: 95 Resp: 406666

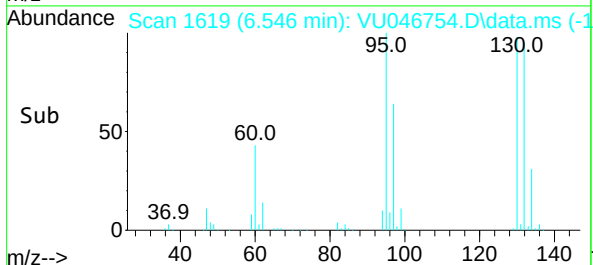
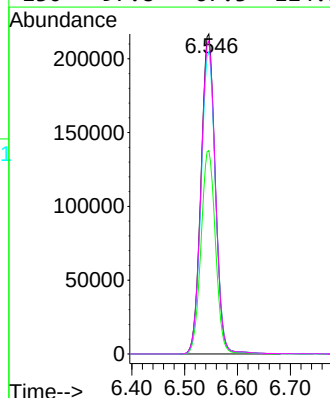
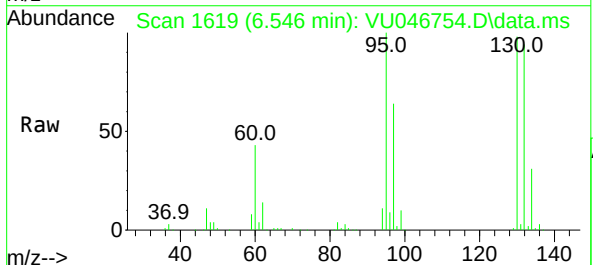
Ion Ratio Lower Upper

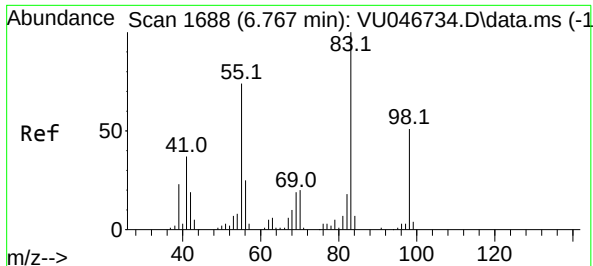
95 100

97 63.5 46.5 86.5

132 94.4 65.1 120.9

130 97.8 67.3 124.9





#35

Methylcyclohexane

Concen: 0.654 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.071 min

Lab File: VU046754.D

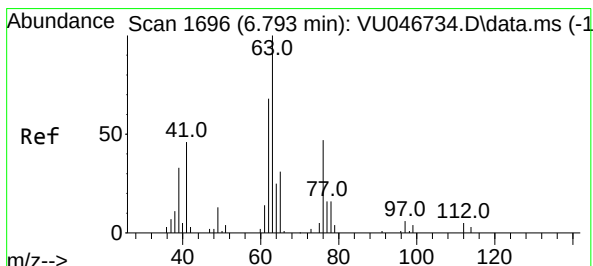
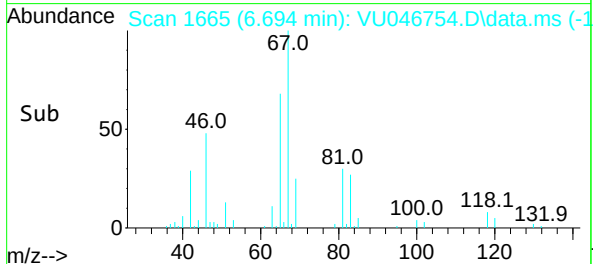
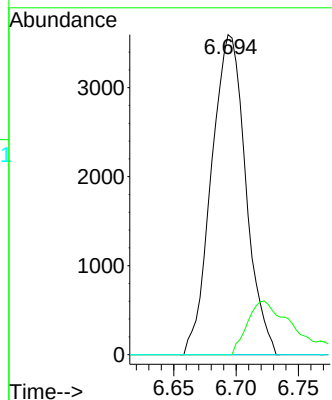
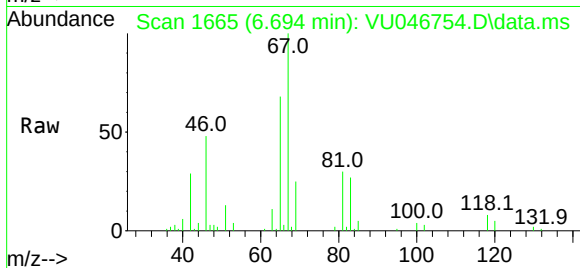
Acq: 13 Jan 2022 13:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 6902
Ion Ratio	Lower Upper
83 100	
55 22.3	61.9 92.9#
98 0.0	39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.384 ug/L

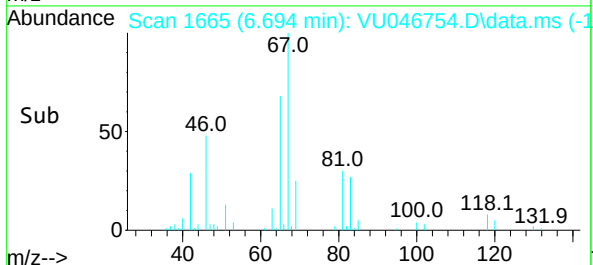
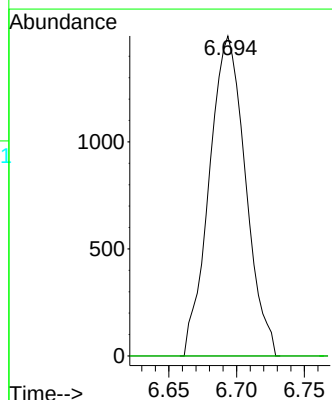
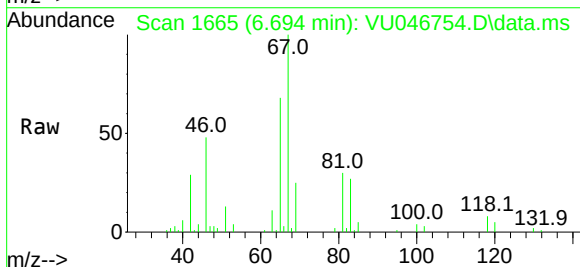
RT: 6.694 min Scan# 1665

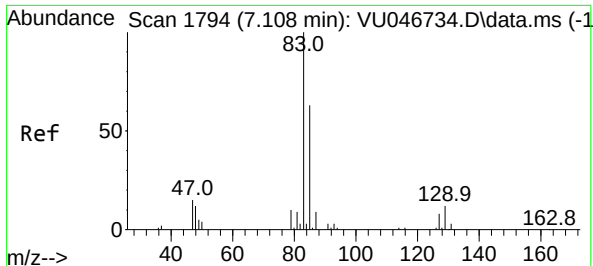
Delta R.T. -0.096 min

Lab File: VU046754.D

Acq: 13 Jan 2022 13:59

Tgt Ion: 63	Resp: 2780
Ion Ratio	Lower Upper
63 100	
112 0.0	3.2 4.8#

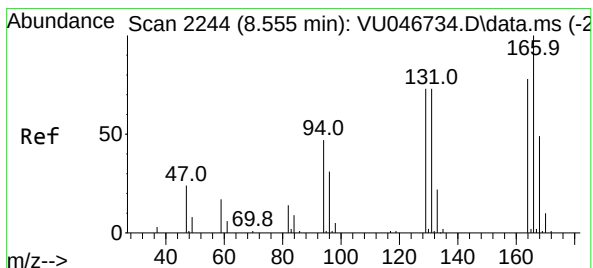
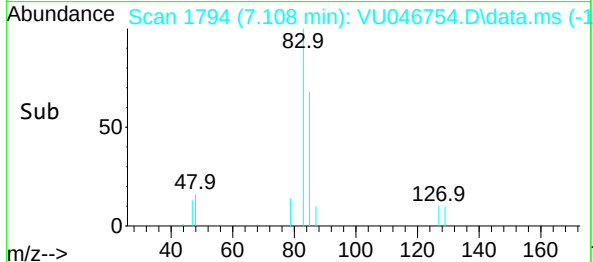
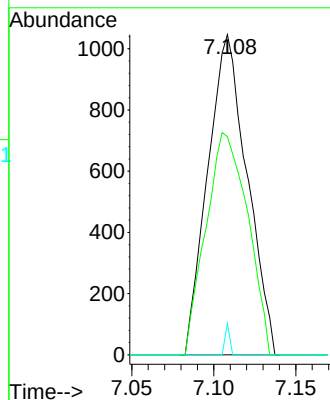
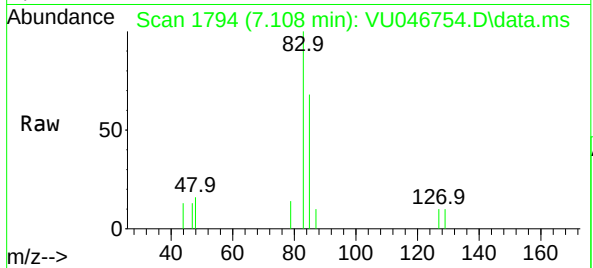




#38
Bromodichloromethane
Concen: 0.174 ug/L
RT: 7.108 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046754.D
Acq: 13 Jan 2022 13:59

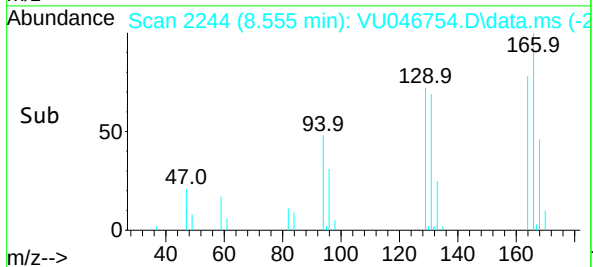
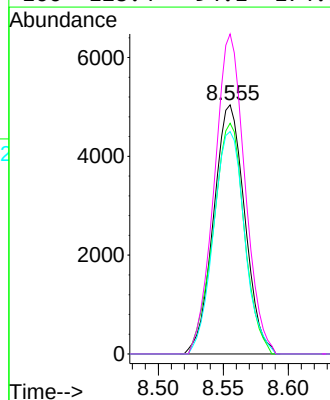
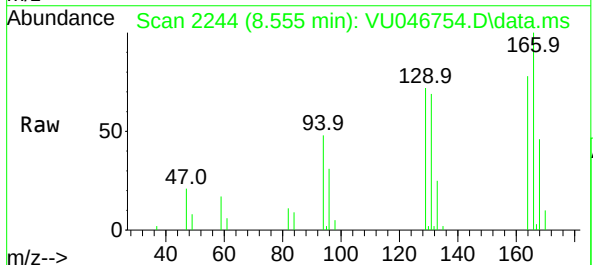
Instrument :
MSVOA_U
ClientSampleId :

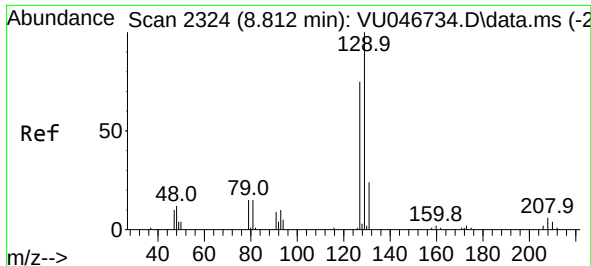
Tgt Ion: 83 Resp: 1742
Ion Ratio Lower Upper
83 100
85 68.2 44.0 81.8
127 9.8 6.3 9.5#



#47
Tetrachloroethene
Concen: 1.589 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046754.D
Acq: 13 Jan 2022 13:59

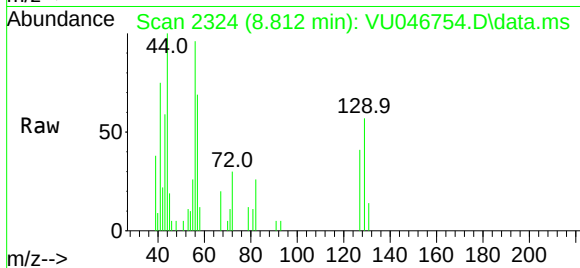
Tgt Ion: 164 Resp: 8419
Ion Ratio Lower Upper
164 100
129 92.6 71.8 133.4
131 89.2 68.5 127.3
166 128.4 94.1 174.8



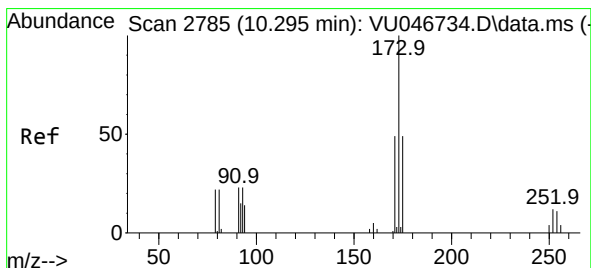
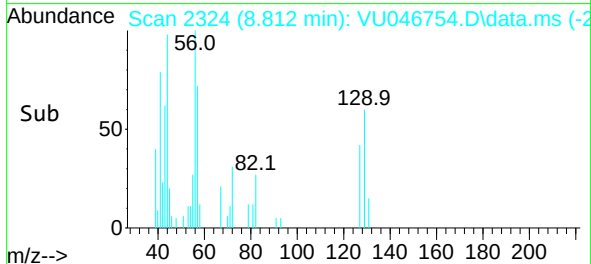
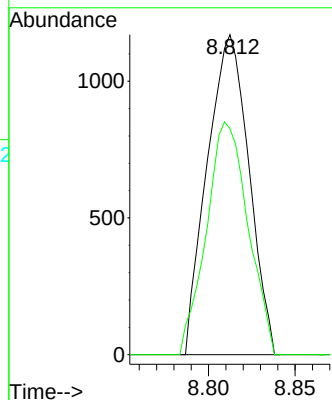


#49
Dibromochloromethane
Concen: 0.271 ug/L
RT: 8.812 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046754.D
Acq: 13 Jan 2022 13:59

Instrument :
MSVOA_U
ClientSampleId :

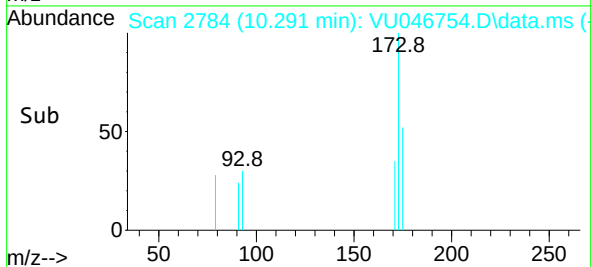
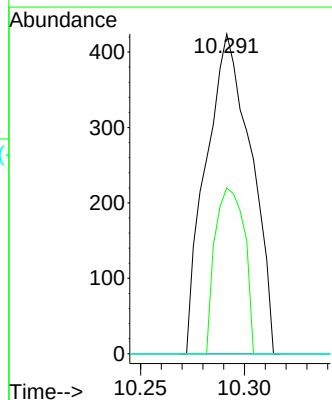
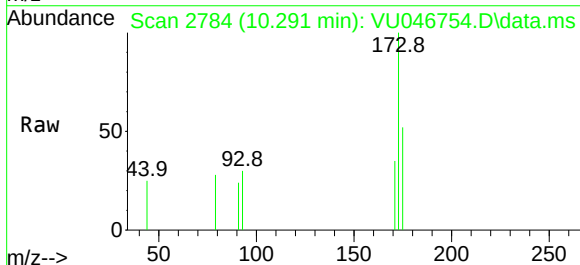


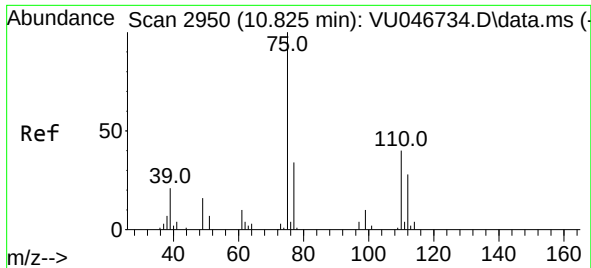
Tgt Ion:129 Resp: 1956
Ion Ratio Lower Upper
129 100
127 70.6 55.4 102.8



#59
Bromoform
Concen: 0.132 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU046754.D
Acq: 13 Jan 2022 13:59

Tgt Ion:173 Resp: 637
Ion Ratio Lower Upper
173 100
175 33.6 37.8 56.6#
254 0.0 7.3 10.9#





#61

1,2,3-Trichloropropane

Concen: 0.707 ug/L

RT: 11.809 min Scan# 31

Delta R.T. 0.984 min

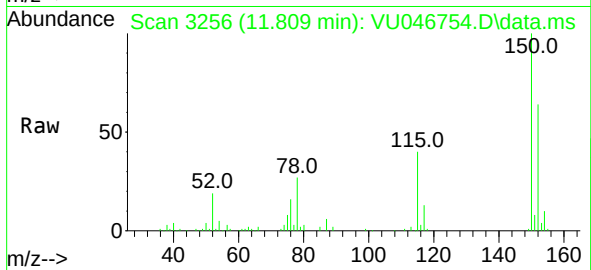
Lab File: VU046754.D

Acq: 13 Jan 2022 13:59

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75	Resp:	4910
Ion Ratio	Lower	Upper
75	100	
110	0.0	29.9 44.9#
77	33.0	25.5 38.3

