

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
 Data File : VU047414.D
 Acq On : 09 Mar 2022 19:09
 Operator : SY/MD
 Sample : N1840-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY23

Quant Time: Mar 10 01:06:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 10 00:51:00 2022
 Response via : Initial Calibration

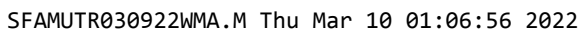
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

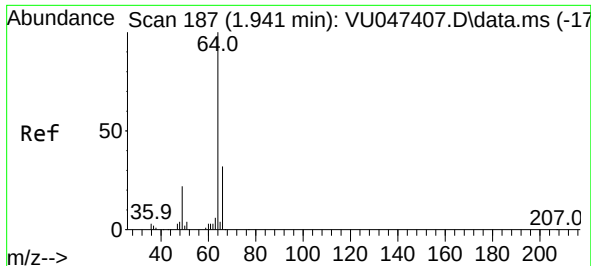
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	172244	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	165718	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	90281	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	44313	4.744	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.800%
7) Chloroethane-d5	1.916	69	32689	4.767	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.571	65	19508	4.728	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	4.658	46	81941	49.267	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.540%
24) Chloroform-d	5.067	84	67685	4.548	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	5.706	65	36007	4.778	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
32) Benzene-d6	5.732	84	146695	4.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.693	67	43644	4.733	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.899	98	138478	4.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.182	79	18176	4.642	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.636	63	78909	45.751	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.500%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	38128	4.744	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	55235	4.826	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						Qvalue
8) Chloroethane	1.935	64	823	0.107	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	661	0.064	ug/L #	17
12) 1,1-Dichloroethene	2.584	96	2248	0.222	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	26209	1.423	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	4780	0.398	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	1254	0.073	ug/L	96
35) Methylcyclohexane	6.693	83	10392	0.551	ug/L #	28
37) 1,2-Dichloropropane	6.693	63	4554	0.409	ug/L #	88
38) Bromodichloromethane	7.111	83	4335	0.293	ug/L	91
47) Tetrachloroethene	8.552	164	4618	0.455	ug/L	98
49) Dibromochloromethane	8.812	129	5622	0.507	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.806	83	2391	0.196	ug/L #	1
59) Bromoform	10.295	173	2330	0.343	ug/L #	95
68) 1,2-Dibromo-3-chloropr...	13.060	75	714	0.379	ug/L #	1
71) Naphthalene	14.089	128	4195	0.120	ug/L #	1
72) 1,2,3-Trichlorobenzene	14.352	180	9365	0.522	ug/L #	22

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

Instrument :
MSVOA_U
ClientSampleId :
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 10 00:51:00 2022
Response via : Initial Calibration

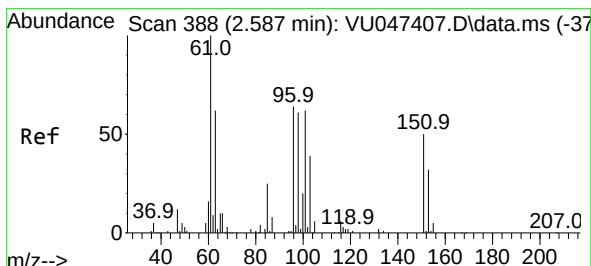
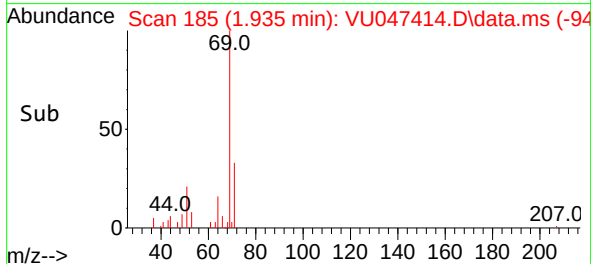
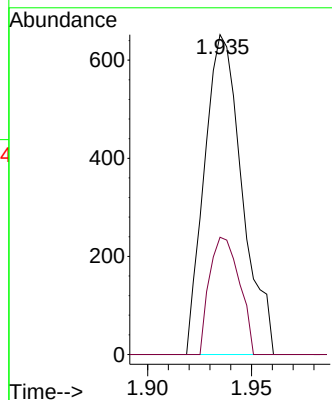
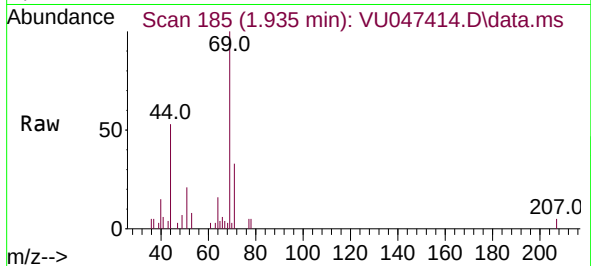




#8
Chloroethane
Concen: 0.107 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU047414.D
Acq: 09 Mar 2022 19:09

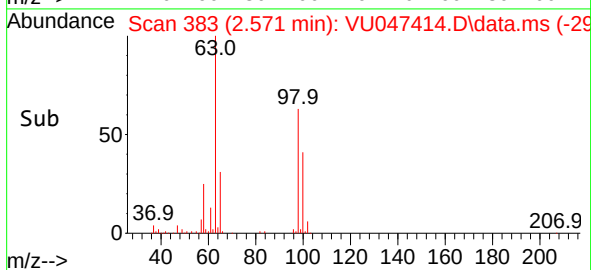
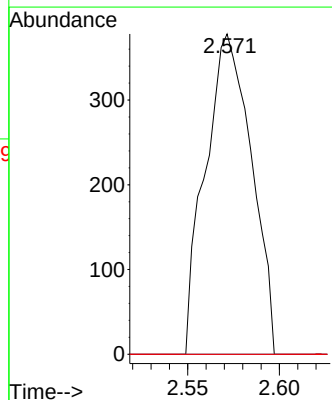
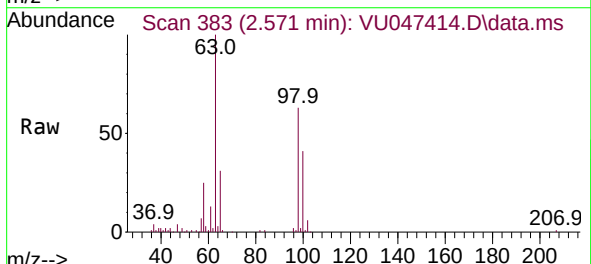
Instrument :
MSVOA_U
ClientSampleId :
BFY23

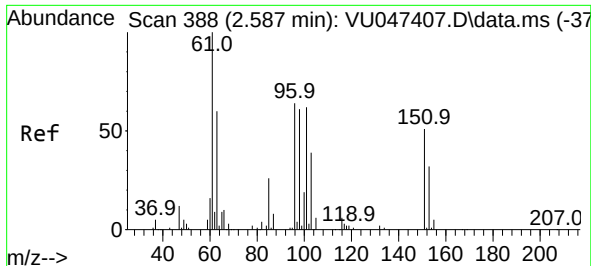
Tgt Ion: 64 Resp: 823
Ion Ratio Lower Upper
64 100
66 36.7 22.9 42.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.064 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU047414.D
Acq: 09 Mar 2022 19:09

Tgt Ion: 101 Resp: 661
Ion Ratio Lower Upper
101 100
85 0.0 33.8 50.6#
151 0.0 64.8 97.2#

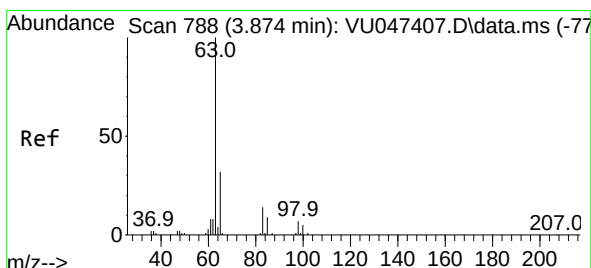
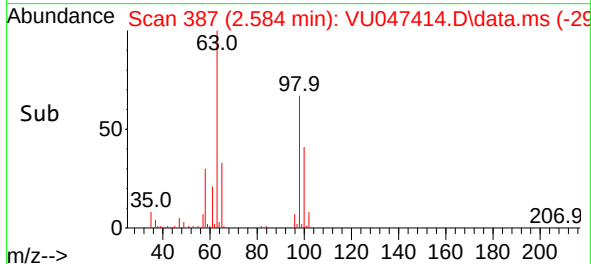
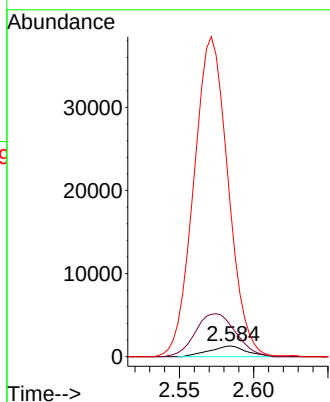
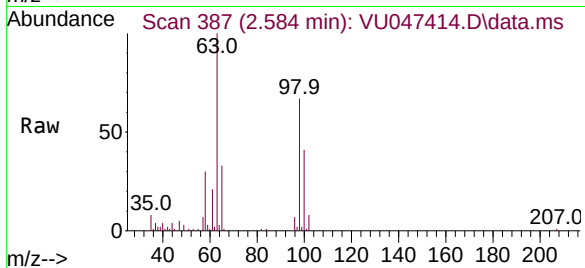




#12
 1,1-Dichloroethene
 Concen: 0.222 ug/L
 RT: 2.584 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU047414.D
 Acq: 09 Mar 2022 19:09

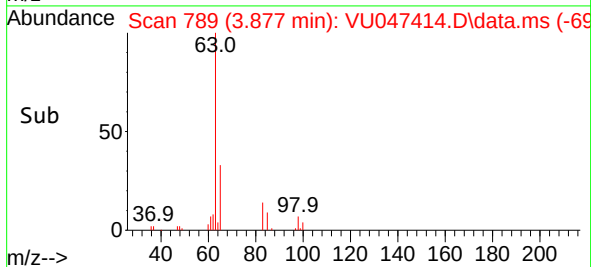
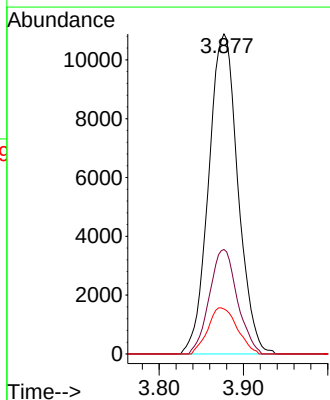
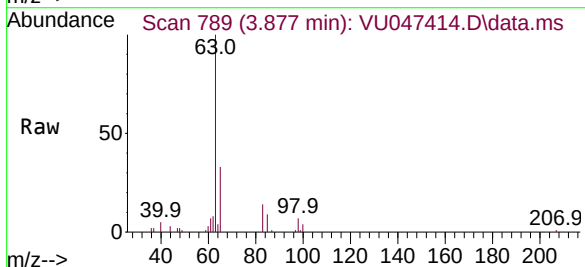
Instrument :
 MSVOA_U
 ClientSampleId :
 BFY23

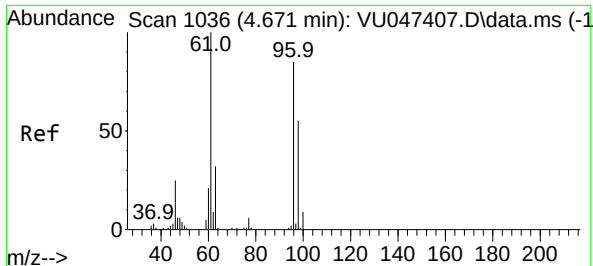
Tgt Ion: 96 Resp: 2248
 Ion Ratio Lower Upper
 96 100
 61 292.6 108.8 202.0#
 63 1398.1 64.0 119.0#



#19
 1,1-Dichloroethane
 Concen: 1.423 ug/L
 RT: 3.877 min Scan# 789
 Delta R.T. 0.003 min
 Lab File: VU047414.D
 Acq: 09 Mar 2022 19:09

Tgt Ion: 63 Resp: 26209
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.8 42.4
 83 14.1 9.9 18.3





#22

cis-1,2-Dichloroethene

Concen: 0.398 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047414.D

Acq: 09 Mar 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

BFY23

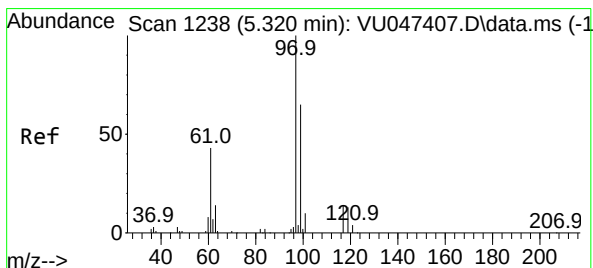
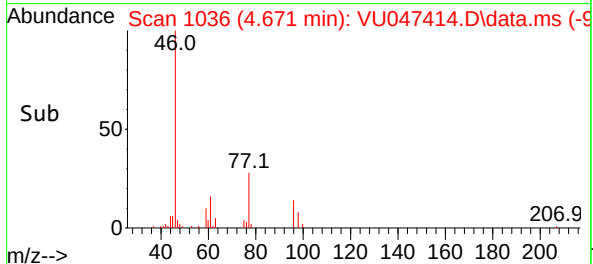
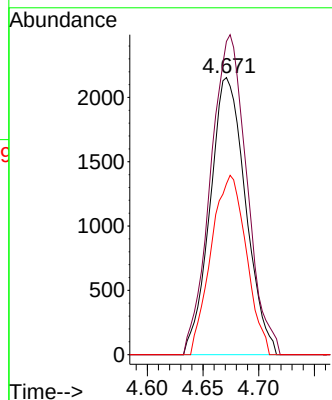
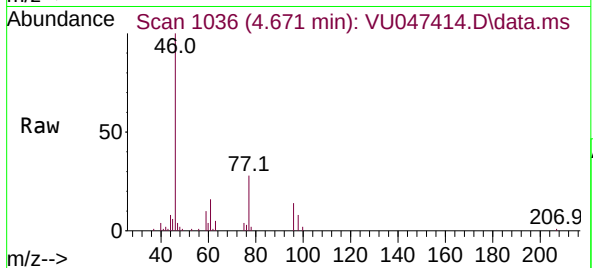
Tgt Ion: 96 Resp: 4780

Ion Ratio Lower Upper

96 100

61 113.0 80.8 150.0

98 61.6 44.7 83.1



#29

1,1,1-Trichloroethane

Concen: 0.073 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047414.D

Acq: 09 Mar 2022 19:09

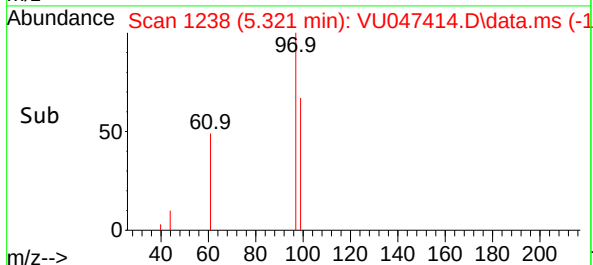
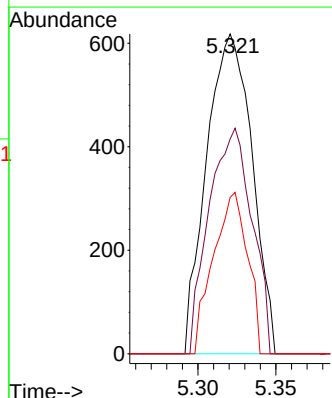
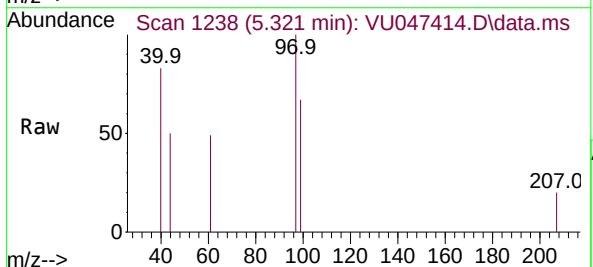
Tgt Ion: 97 Resp: 1254

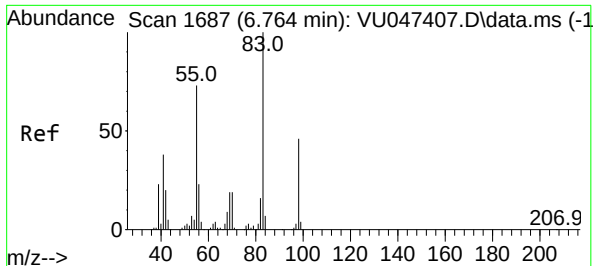
Ion Ratio Lower Upper

97 100

99 66.7 52.1 78.1

61 38.0 33.8 50.6





#35

Methylcyclohexane

Concen: 0.551 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.071 min

Lab File: VU047414.D

Acq: 09 Mar 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

BFY23

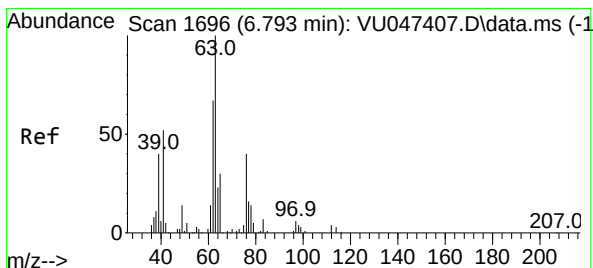
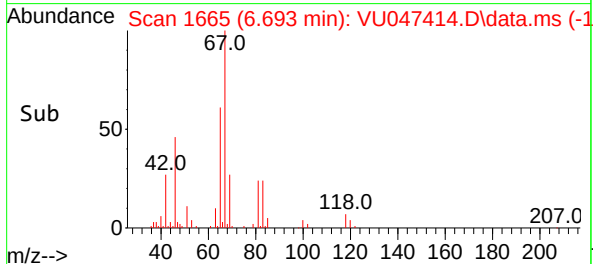
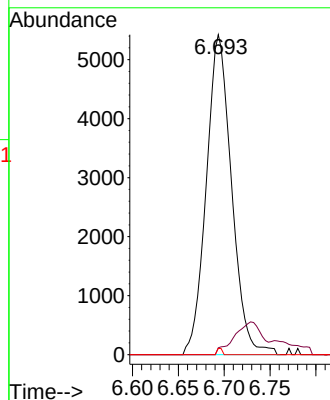
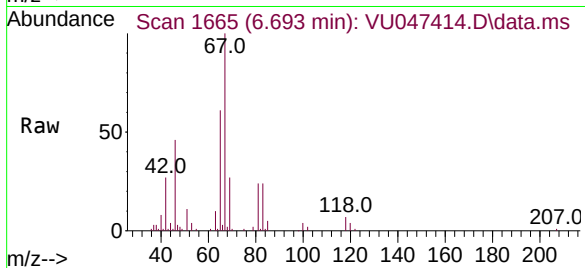
Tgt Ion: 83 Resp: 10392

Ion Ratio Lower Upper

83 100

55 11.0 57.8 86.8#

98 0.4 38.0 57.0#



#37

1,2-Dichloropropane

Concen: 0.409 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.100 min

Lab File: VU047414.D

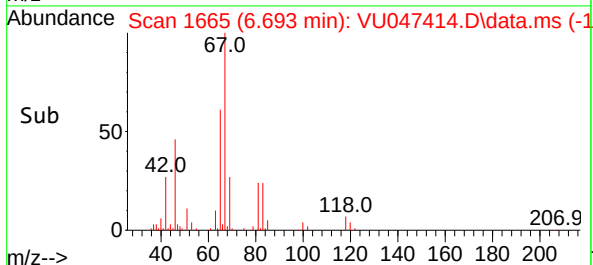
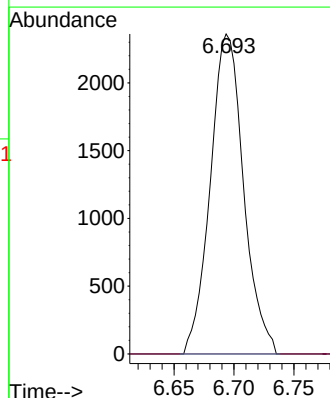
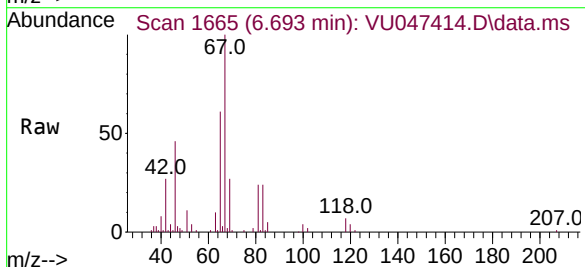
Acq: 09 Mar 2022 19:09

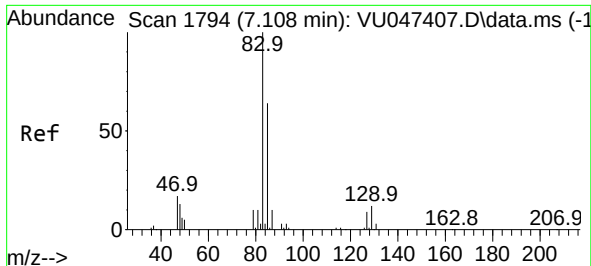
Tgt Ion: 63 Resp: 4554

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#





#38

Bromodichloromethane

Concen: 0.293 ug/L

RT: 7.111 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU047414.D

Acq: 09 Mar 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

BFY23

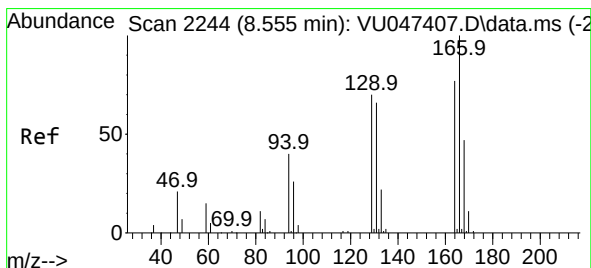
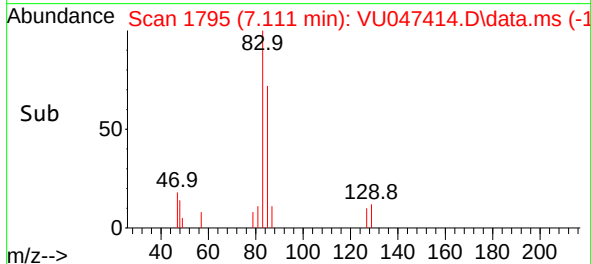
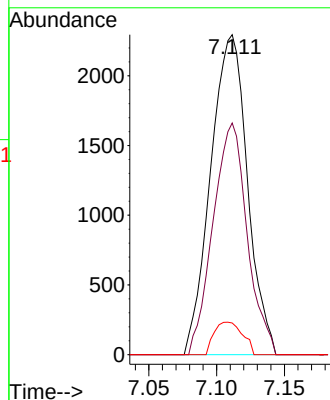
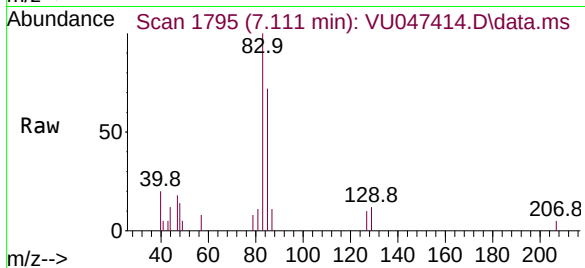
Tgt Ion: 83 Resp: 4335

Ion Ratio Lower Upper

83 100

85 72.4 45.0 83.6

127 9.9 7.4 11.0



#47

Tetrachloroethene

Concen: 0.455 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU047414.D

Acq: 09 Mar 2022 19:09

Tgt Ion: 164 Resp: 4618

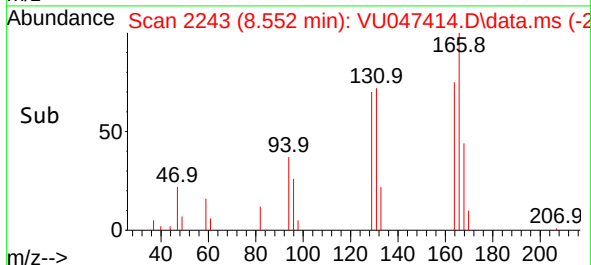
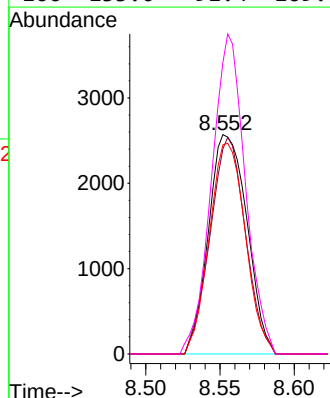
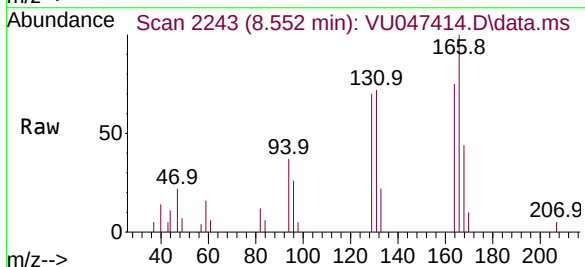
Ion Ratio Lower Upper

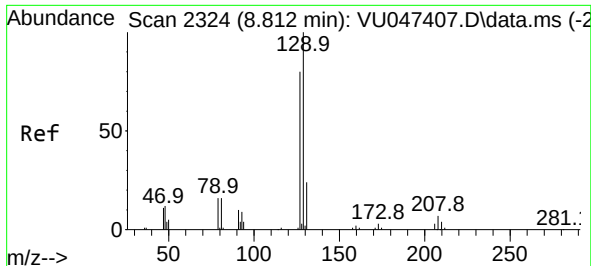
164 100

129 93.6 64.9 120.5

131 95.3 63.6 118.2

166 133.0 91.4 169.8

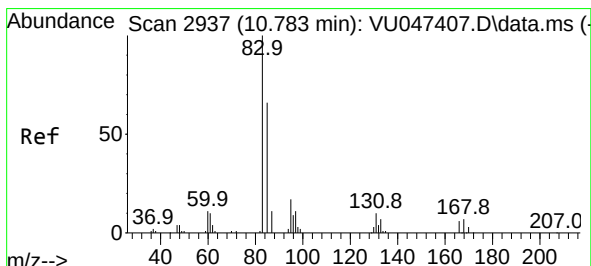
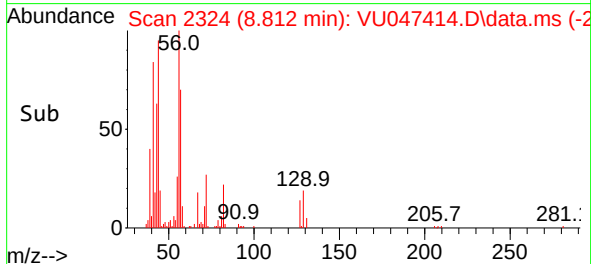
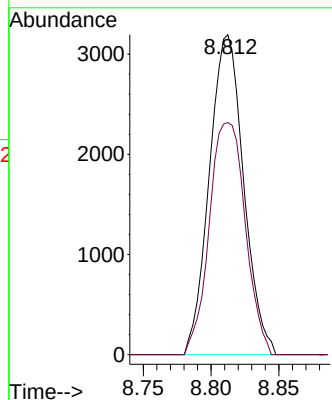
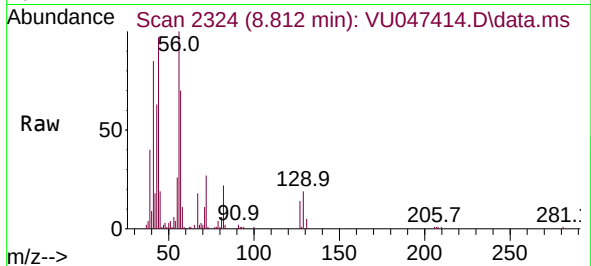




#49
Dibromochloromethane
Concen: 0.507 ug/L
RT: 8.812 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU047414.D
Acq: 09 Mar 2022 19:09

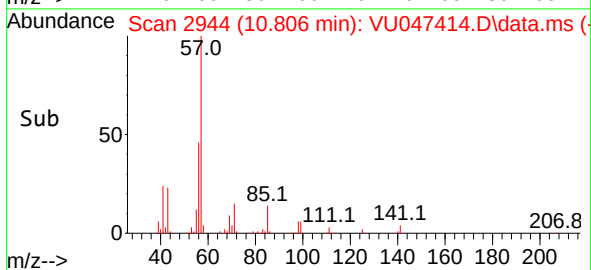
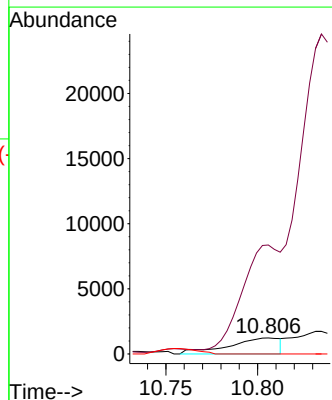
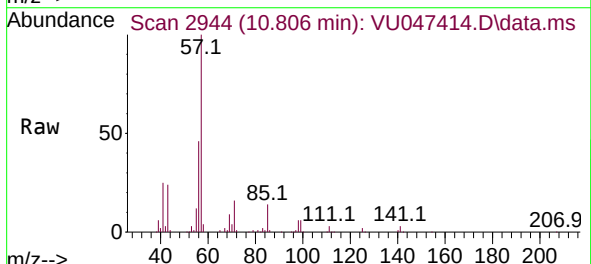
Instrument :
MSVOA_U
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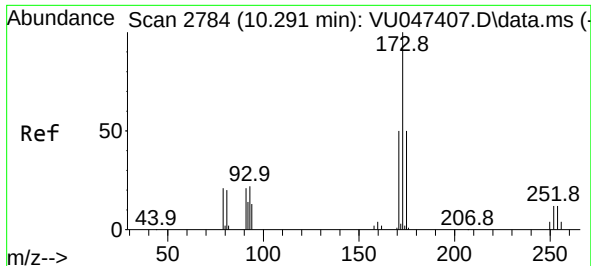
Tgt Ion:129 Resp: 5622
Ion Ratio Lower Upper
129 100
127 72.6 52.6 97.8



#57
1,1,2,2-Tetrachloroethane
Concen: 0.196 ug/L
RT: 10.806 min Scan# 2944
Delta R.T. 0.023 min
Lab File: VU047414.D
Acq: 09 Mar 2022 19:09

Tgt Ion: 83 Resp: 2391
Ion Ratio Lower Upper
83 100
85 683.7 46.0 85.4#
131 0.0 8.2 12.4#

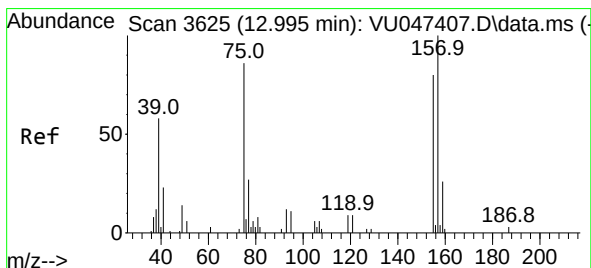
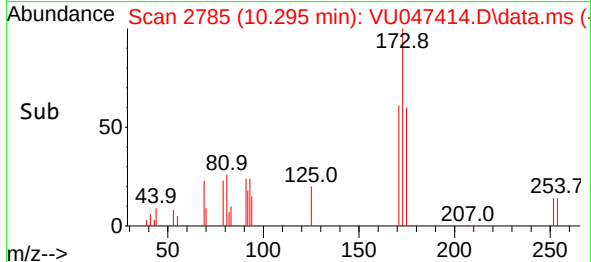
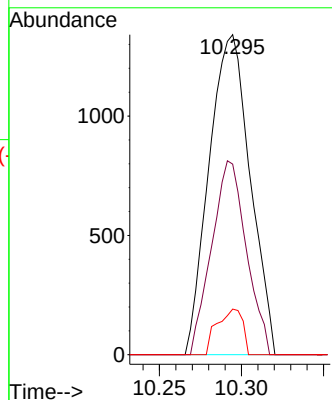
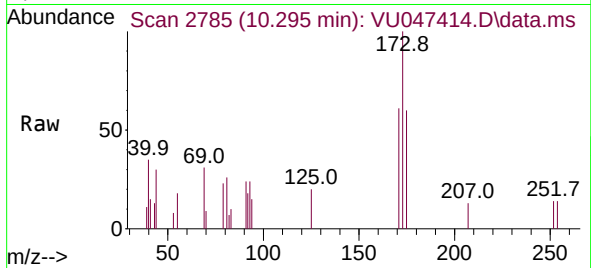




#59
Bromoform
Concen: 0.343 ug/L
RT: 10.295 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047414.D
Acq: 09 Mar 2022 19:09

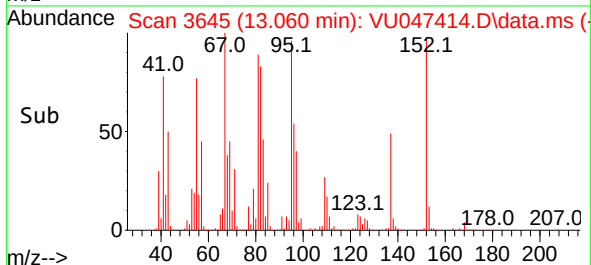
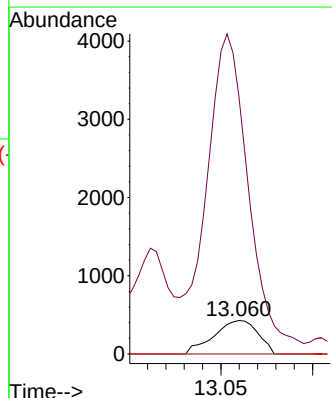
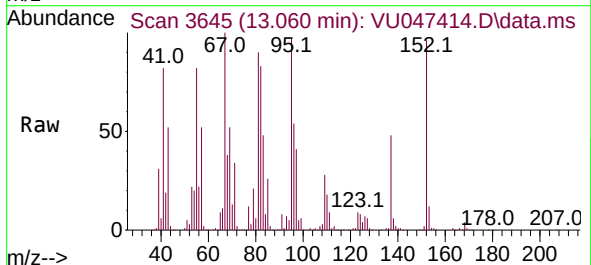
Instrument :
MSVOA_U
ClientSampleId :
BFY23

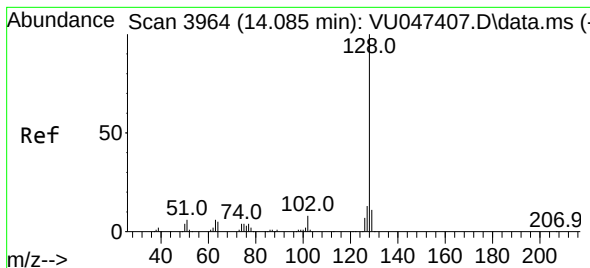
Tgt Ion:173 Resp: 2330
Ion Ratio Lower Upper
173 100
175 51.3 38.7 58.1
254 8.8 9.0 13.4#



#68
1,2-Dibromo-3-chloropropane
Concen: 0.379 ug/L
RT: 13.060 min Scan# 3645
Delta R.T. 0.064 min
Lab File: VU047414.D
Acq: 09 Mar 2022 19:09

Tgt Ion: 75 Resp: 714
Ion Ratio Lower Upper
75 100
155 771.4 71.3 106.9#
157 0.0 88.6 132.8#





#71

Naphthalene

Concen: 0.120 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU047414.D

Acq: 09 Mar 2022 19:09

Instrument :

MSVOA_U

ClientSampleId :

BFY23

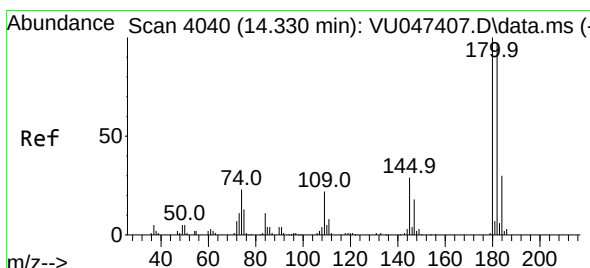
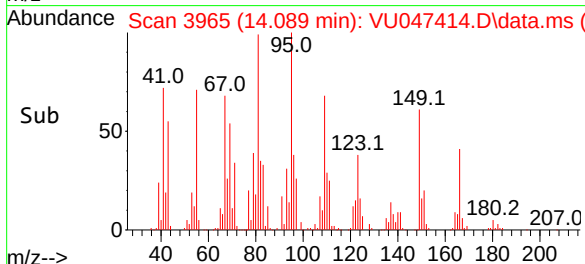
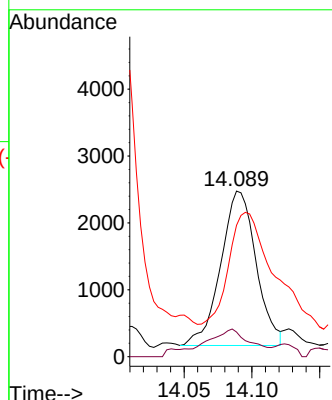
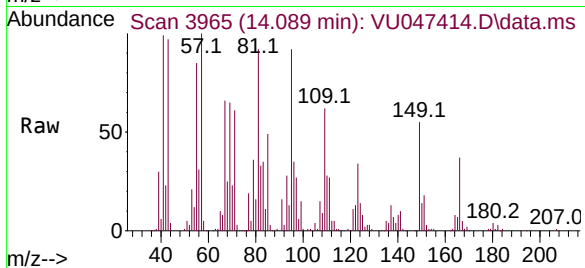
Tgt Ion:128 Resp: 4195

Ion Ratio Lower Upper

128 100

129 21.3 8.6 13.0#

127 101.6 10.2 15.4#



#72

1,2,3-Trichlorobenzene

Concen: 0.522 ug/L

RT: 14.352 min Scan# 4047

Delta R.T. 0.023 min

Lab File: VU047414.D

Acq: 09 Mar 2022 19:09

Tgt Ion:180 Resp: 9365

Ion Ratio Lower Upper

180 100

182 13.2 77.0 115.6#

145 0.5 23.4 35.2#

