

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052421\
 Data File : VU043922.D
 Acq On : 24 May 2021 20:49
 Operator : SY/MD
 Sample : M2494-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB421

Quant Time: May 25 04:14:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR052421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 25 04:12:21 2021
 Response via : Initial Calibration

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

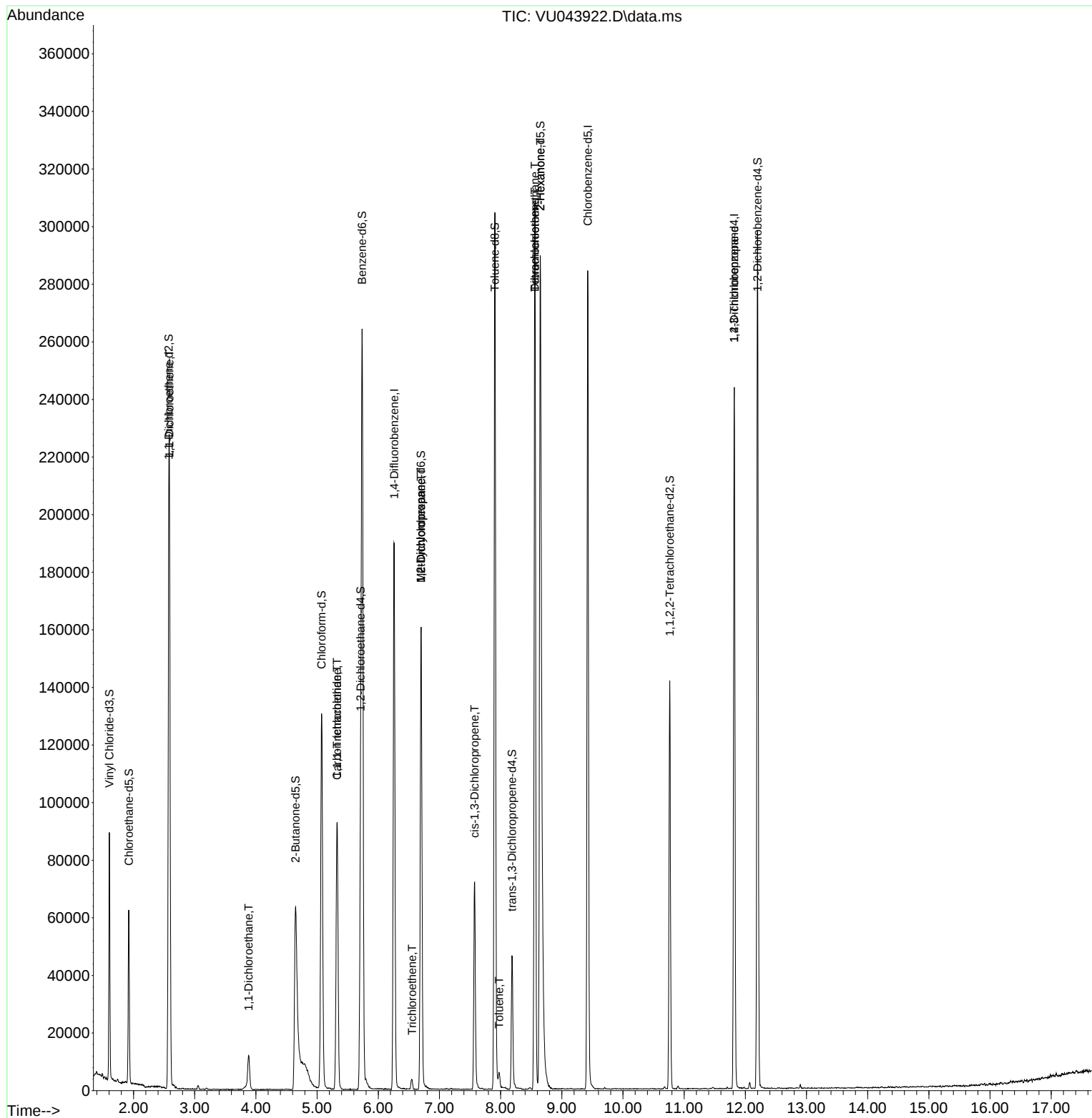
Internal Standards						
1) 1,4-Difluorobenzene	6.260	114	161409	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	171355	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	72019	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	60480	6.73	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 134.60%#			
7) Chloroethane-d5	1.922	69	44385	6.85	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 137.00%#			
11) 1,1-Dichloroethene-d2	2.575	65	27968	6.40	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 128.00%#			
20) 2-Butanone-d5	4.649	46	131294	46.09	ug/L	-0.03
Spiked Amount 50.000	Range 40 - 130		Recovery = 92.18%			
24) Chloroform-d	5.073	84	125458	6.05	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 121.00%			
26) 1,2-Dichloroethane-d4	5.710	65	65500	6.17	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 123.40%			
32) Benzene-d6	5.736	84	254569	5.85	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 117.00%			
36) 1,2-Dichloropropane-d6	6.700	67	82810	5.98	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 119.60%			
41) Toluene-d8	7.906	98	212416	5.31	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 106.20%			
43) trans-1,3-Dichloroprop...	8.186	79	28209	5.34	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 106.80%			
46) 2-Hexanone-d5	8.649	63	132798	57.33	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 114.66%			
56) 1,1,2,2-Tetrachloroeth...	10.764	84	73231	5.75	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 115.00%			
66) 1,2-Dichlorobenzene-d4	12.198	152	85276	6.52	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 130.40%#			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.588	96	48053	4.61	ug/L #	82
19) 1,1-Dichloroethane	3.880	63	13289	0.71	ug/L	98
29) 1,1,1-Trichloroethane	5.327	97	68341	3.85	ug/L	100
31) Carbon tetrachloride	5.324	117	9759	0.64	ug/L	100
34) Trichloroethene	6.552	95	999	0.08	ug/L	98
35) Methylcyclohexane	6.700	83	19142	1.09	ug/L #	18
37) 1,2-Dichloropropane	6.700	63	8312	0.68	ug/L #	86
39) cis-1,3-Dichloropropene	7.575	75	1724	0.11	ug/L #	64
42) Toluene	7.977	91	3705	0.08	ug/L	99
47) Tetrachloroethene	8.559	164	75117	7.23	ug/L	97
48) 2-Hexanone	8.649	43	14875	2.88	ug/L #	71
49) Dibromochloromethane	8.559	129	68451	6.29	ug/L #	11
61) 1,2,3-Trichloropropane	11.819	75	6990	1.06	ug/L #	68

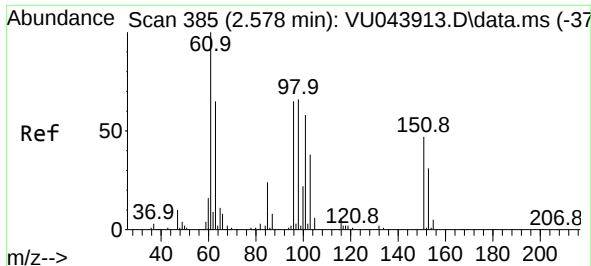
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.61 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.010 min

Lab File: VU043922.D

Acq: 24 May 2021 20:49

Instrument :

MSVOA_U

ClientSampleId :

GB421

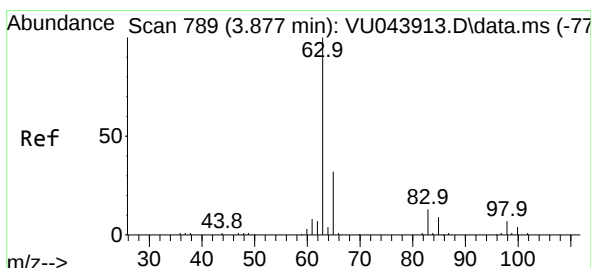
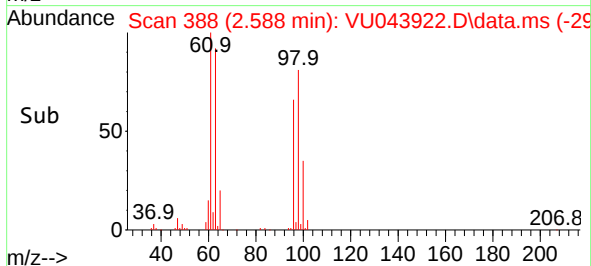
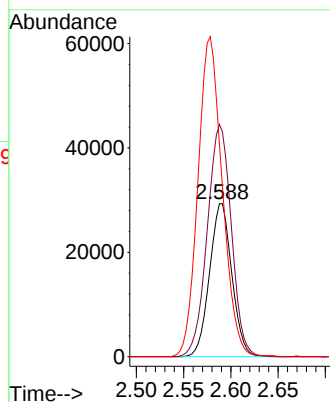
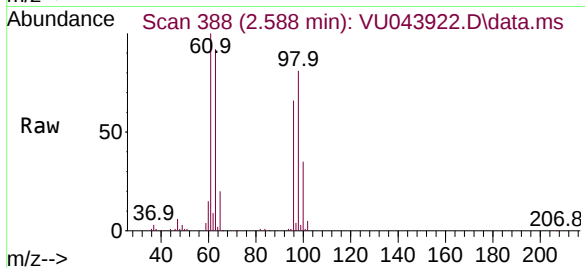
Tgt Ion: 96 Resp: 48053

Ion Ratio Lower Upper

96 100

61 151.8 105.1 195.3

63 139.2 66.6 123.6#



#19

1,1-Dichloroethane

Concen: 0.71 ug/L

RT: 3.880 min Scan# 790

Delta R.T. 0.003 min

Lab File: VU043922.D

Acq: 24 May 2021 20:49

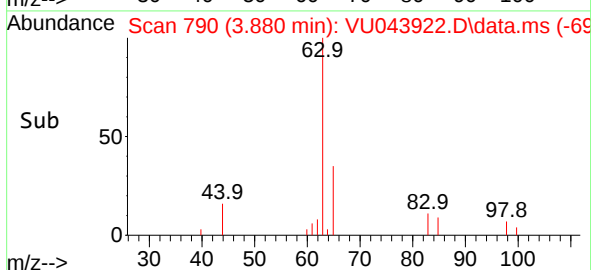
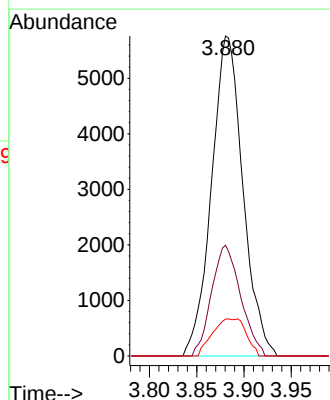
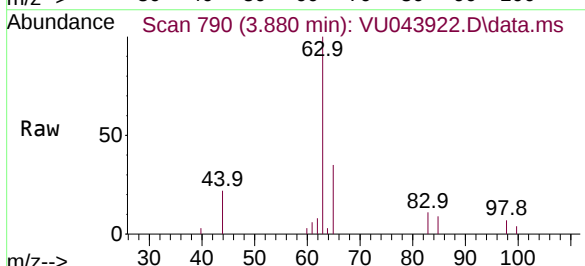
Tgt Ion: 63 Resp: 13289

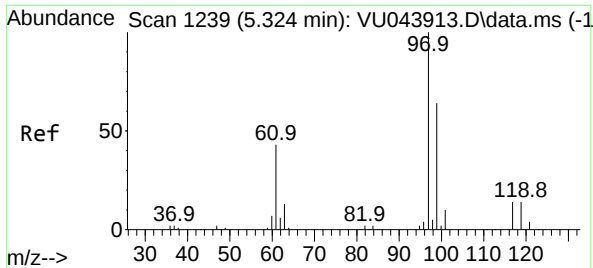
Ion Ratio Lower Upper

63 100

65 33.5 23.2 43.2

83 11.1 9.7 18.1

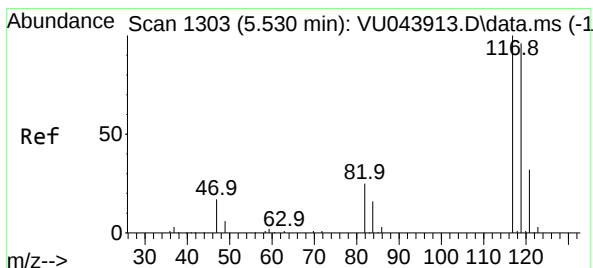
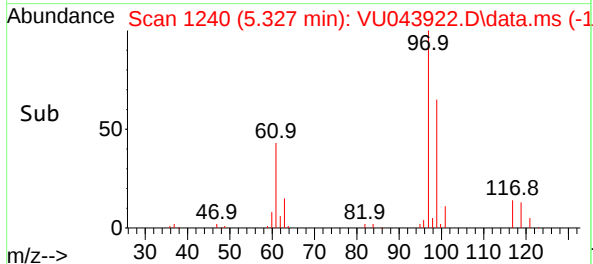
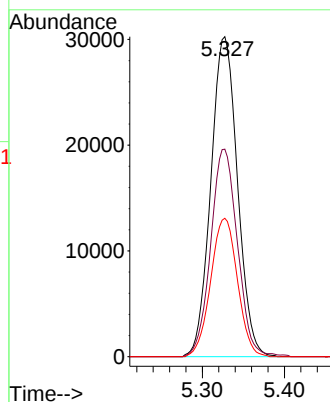
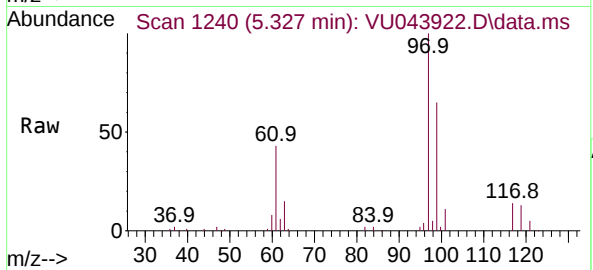




#29
1,1,1-Trichloroethane
Concen: 3.85 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. 0.003 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

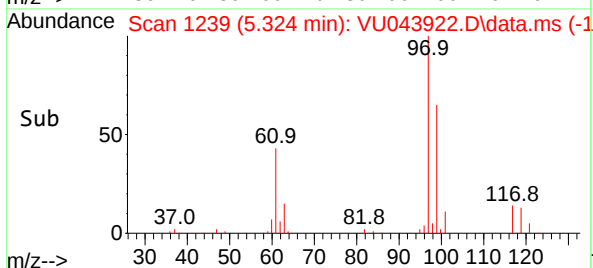
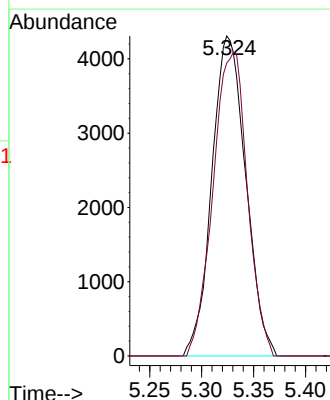
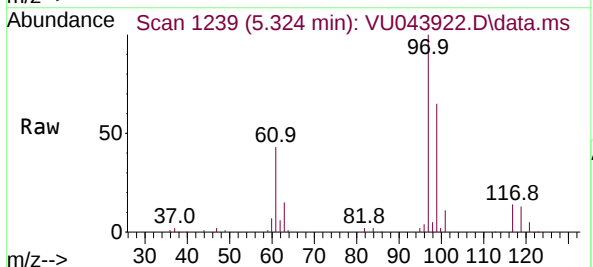
Instrument :
MSVOA_U
ClientSampled :
GB421

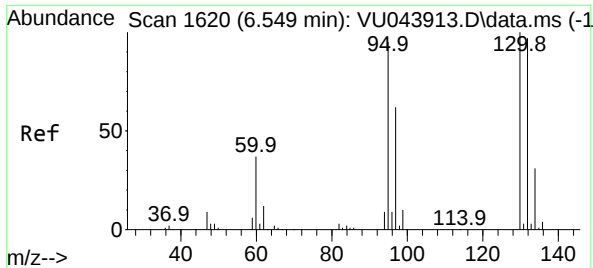
Tgt Ion: 97 Resp: 68341
Ion Ratio Lower Upper
97 100
99 65.2 51.9 77.9
61 43.4 34.7 52.1



#31
Carbon tetrachloride
Concen: 0.64 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. -0.206 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

Tgt Ion: 117 Resp: 9759
Ion Ratio Lower Upper
117 100
119 96.3 77.4 116.0



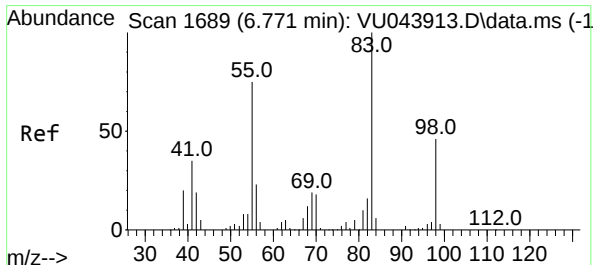
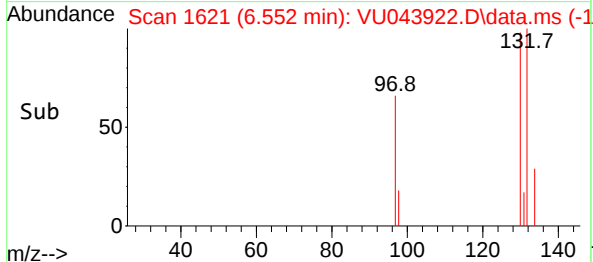
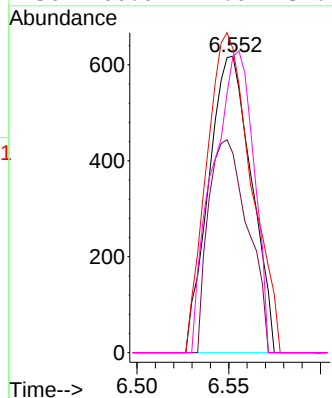
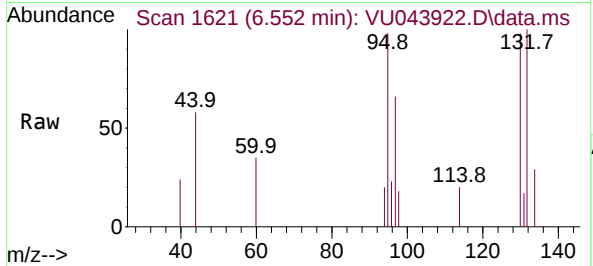


#34
Trichloroethene
Concen: 0.08 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

Instrument :
MSVOA_U
ClientSampleId :
GB421

Tgt Ion: 95 Resp: 999

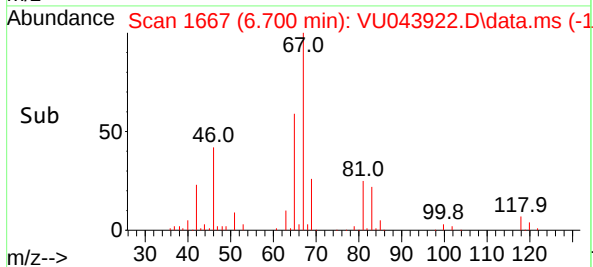
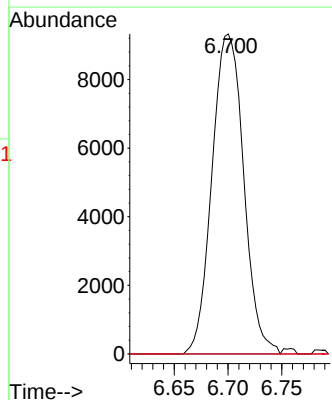
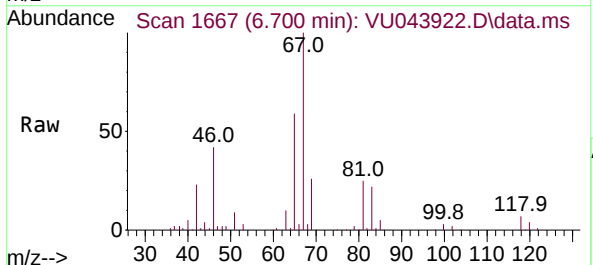
Ion	Ratio	Lower	Upper
95	100		
97	67.2	45.5	84.5
132	102.4	70.9	131.7
130	100.0	71.0	131.9

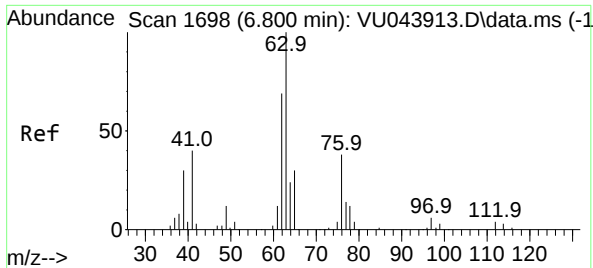


#35
Methylcyclohexane
Concen: 1.09 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

Tgt Ion: 83 Resp: 19142

Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.0	37.0	55.4#



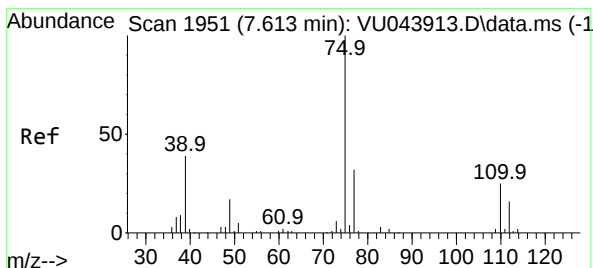
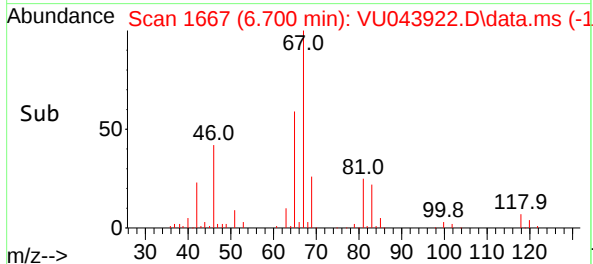
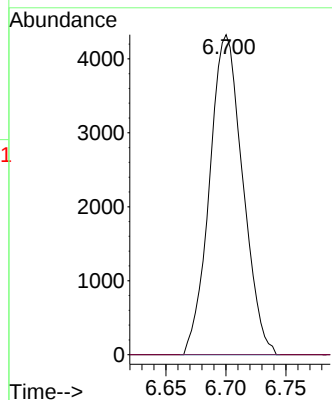
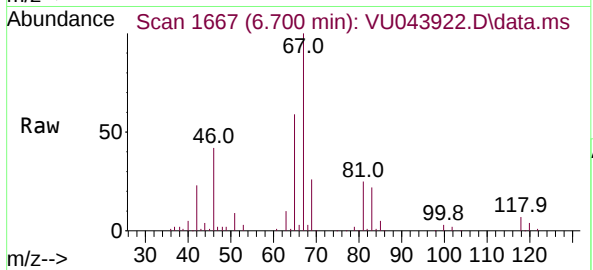


#37

1,2-Dichloropropane
Concen: 0.68 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.099 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

Instrument :
MSVOA_U
ClientSampled :
GB421

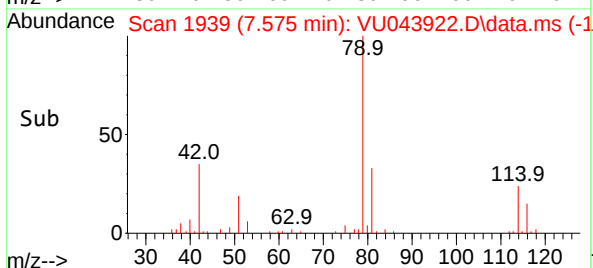
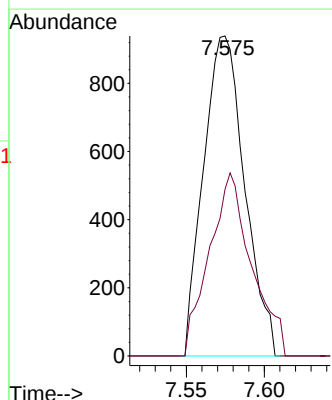
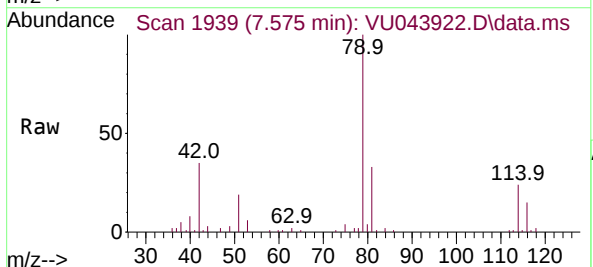
Tgt Ion: 63 Resp: 8312
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#

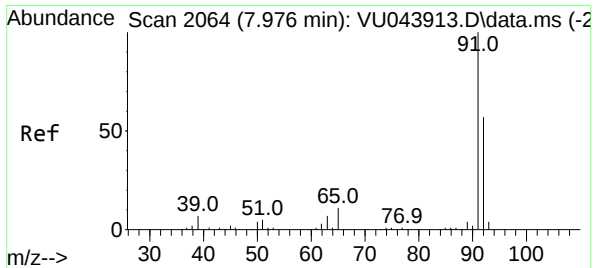


#39

cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.038 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

Tgt Ion: 75 Resp: 1724
Ion Ratio Lower Upper
75 100
77 52.1 22.3 41.3#

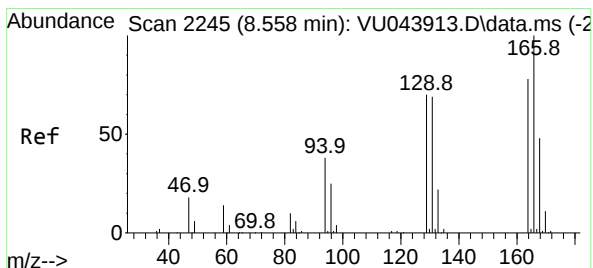
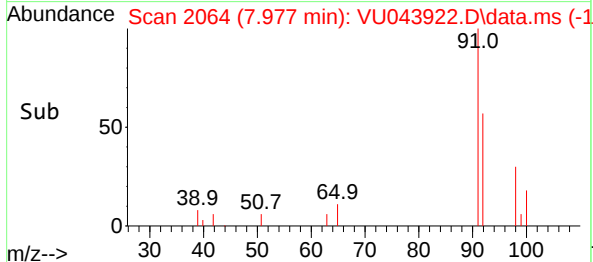
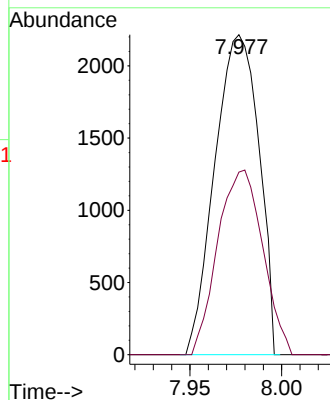
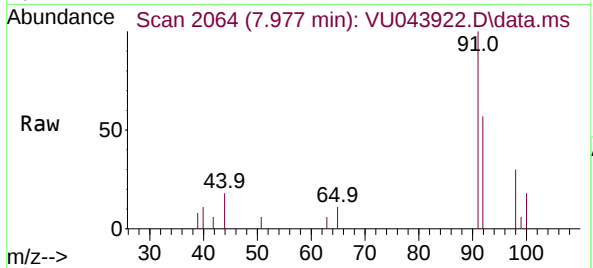




#42
Toluene
Concen: 0.08 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

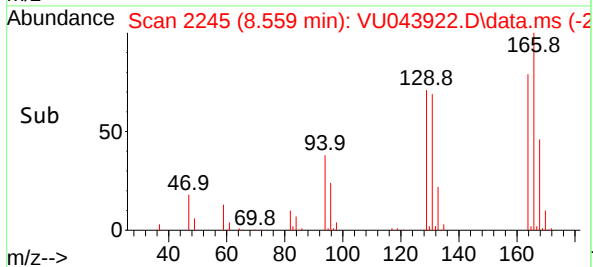
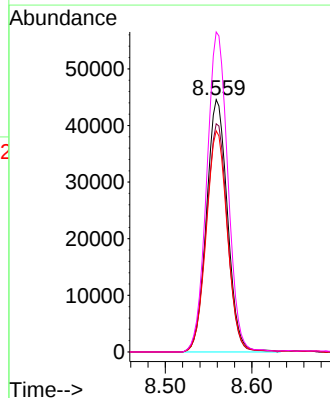
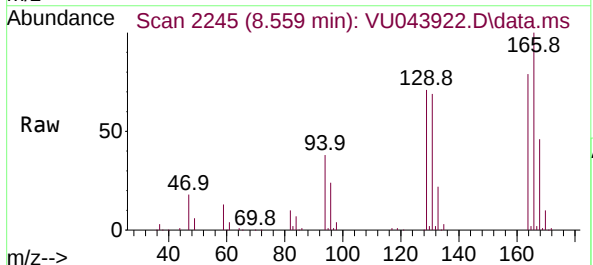
Instrument :
MSVOA_U
ClientSampled :
GB421

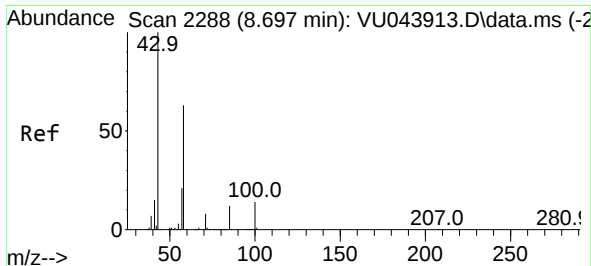
Tgt Ion: 91 Resp: 3705
Ion Ratio Lower Upper
91 100
92 57.1 40.5 75.1



#47
Tetrachloroethene
Concen: 7.23 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

Tgt Ion: 164 Resp: 75117
Ion Ratio Lower Upper
164 100
129 90.5 64.1 119.1
131 87.6 64.5 119.9
166 126.8 90.8 168.6

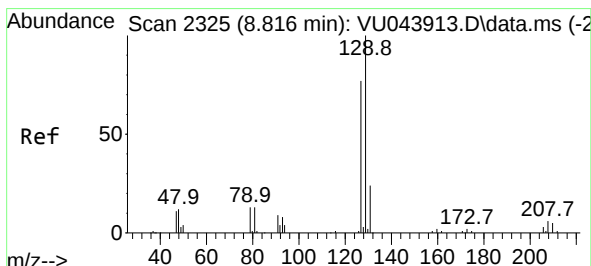
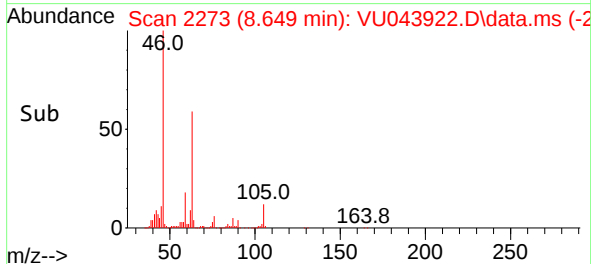
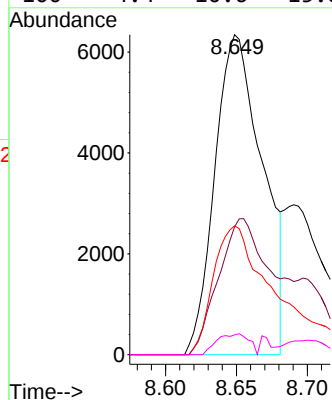
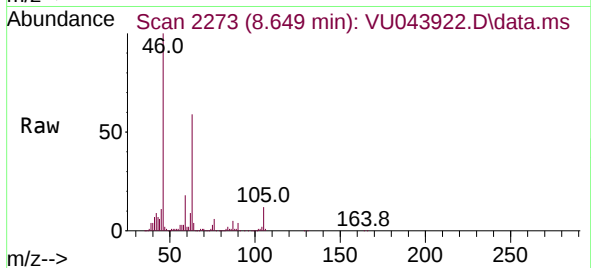




#48
2-Hexanone
Concen: 2.88 ug/L
RT: 8.649 min Scan# 2273
Delta R.T. -0.048 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

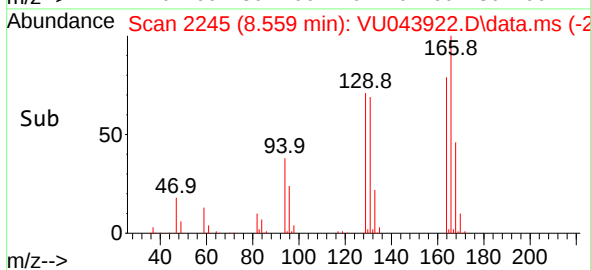
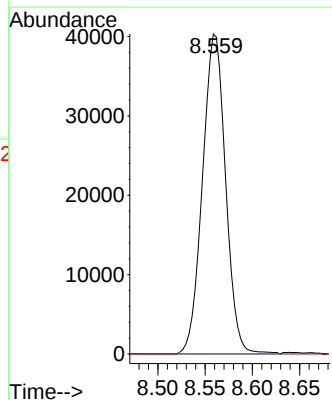
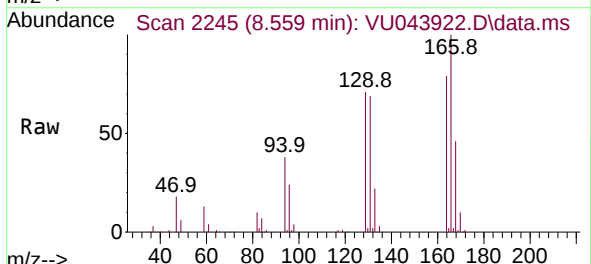
Instrument :
MSVOA_U
ClientSampled :
GB421

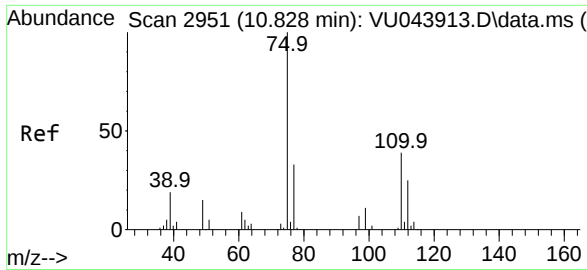
Tgt Ion:	43	Resp:	14875
Ion	Ratio	Lower	Upper
43	100		
58	49.0	49.4	74.0#
57	54.2	16.8	25.2#
100	4.4	10.6	15.8#



#49
Dibromochloromethane
Concen: 6.29 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.257 min
Lab File: VU043922.D
Acq: 24 May 2021 20:49

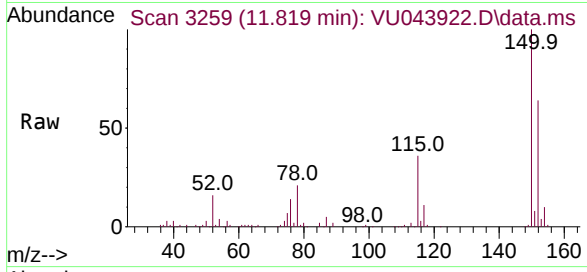
Tgt Ion:	129	Resp:	68451
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.1	100.5#





#61
 1,2,3-Trichloropropane
 Concen: 1.06 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.991 min
 Lab File: VU043922.D
 Acq: 24 May 2021 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 GB421



Tgt Ion: 75 Resp: 6990
 Ion Ratio Lower Upper
 75 100
 110 0.9 29.3 43.9#
 77 32.3 26.3 39.5

