

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047680.D
 Acq On : 25 Mar 2022 18:24
 Operator : SY/MD
 Sample : N2082-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW618

Quant Time: Mar 26 04:21:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:50:24 2022
 Response via : Initial Calibration

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

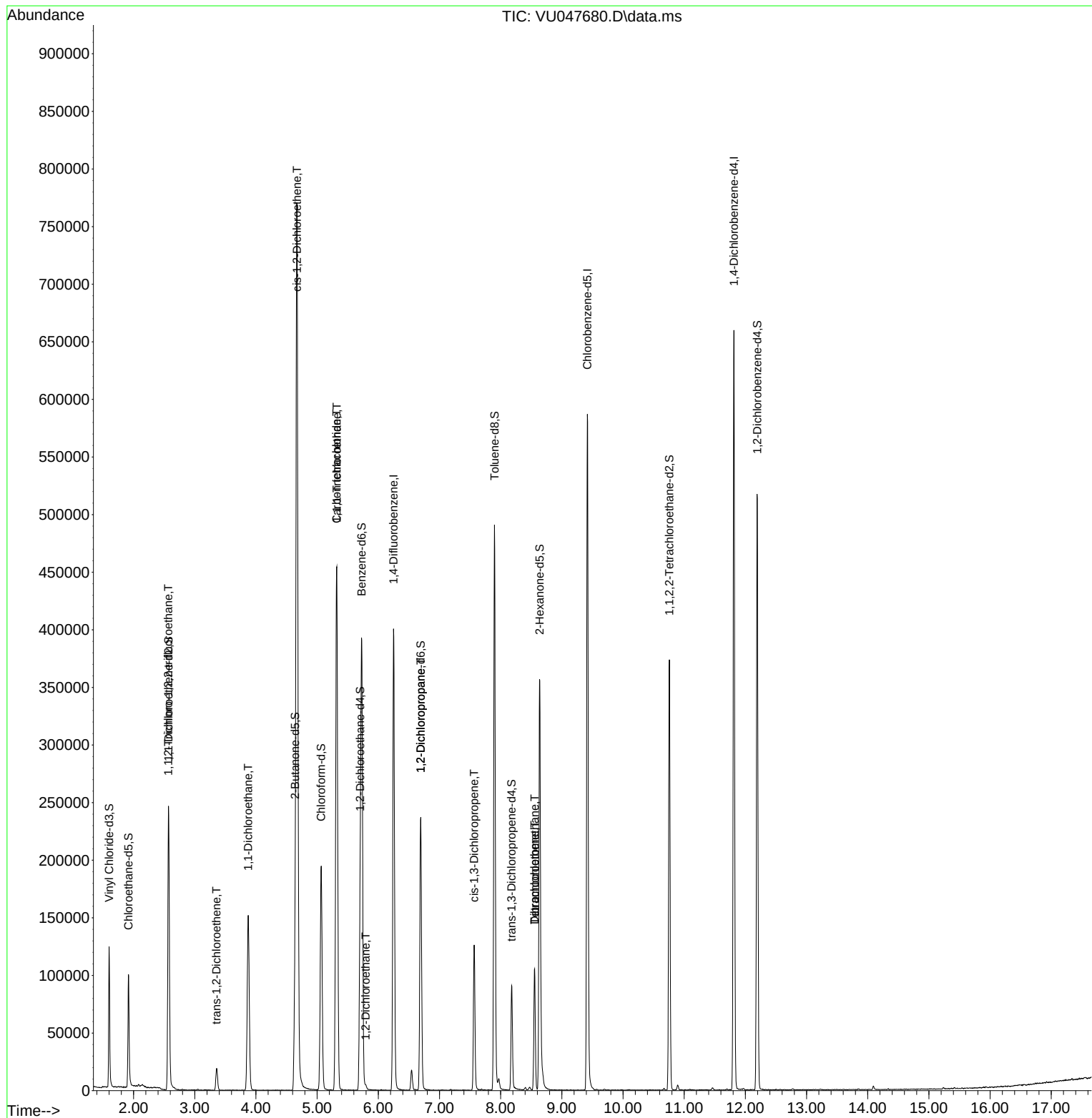
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	337529	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	346639	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	186181	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	89902	36.730	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.460%		
7) Chloroethane-d5	1.916	69	74883	38.800	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.600%		
11) 1,1-Dichloroethene-d2	2.572	63	137216	30.641	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.280%		
21) 2-Butanone-d5	4.642	46	181259	86.278	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.280%		
24) Chloroform-d	5.067	84	180118	40.218	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.440%		
26) 1,2-Dichloroethane-d4	5.703	65	116359	42.362	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.720%		
32) Benzene-d6	5.729	84	362950	41.611	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.220%		
36) 1,2-Dichloropropane-d6	6.694	67	115438	43.094	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.180%		
41) Toluene-d8	7.899	98	337105	39.668	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.340%#		
43) trans-1,3-Dichloroprop...	8.179	79	50634	37.310	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.620%		
47) 2-Hexanone-d5	8.636	63	129216	82.401	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	82.400%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	181275	39.432	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	78.860%		
66) 1,2-Dichlorobenzene-d4	12.195	152	143825	43.421	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.840%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1384	0.556	ug/L #	18
17) trans-1,2-Dichloroethene	3.356	96	8825	3.534	ug/L	96
19) 1,1-Dichloroethane	3.874	63	170277	39.535	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	399045	145.754	ug/L	96
27) 1,2-Dichloroethane	5.793	62	1660	0.463	ug/L #	75
30) 1,1,1-Trichloroethane	5.321	97	330026	83.965	ug/L	99
31) Carbon tetrachloride	5.317	117	46318	13.050	ug/L	98
37) 1,2-Dichloropropane	6.694	63	12617	4.947	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	2990	0.755	ug/L #	63
46) Tetrachloroethene	8.555	164	25024	10.586	ug/L	98
49) Dibromochloromethane	8.555	129	22585	7.208	ug/L #	11

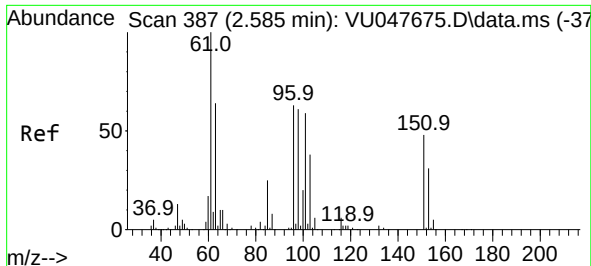
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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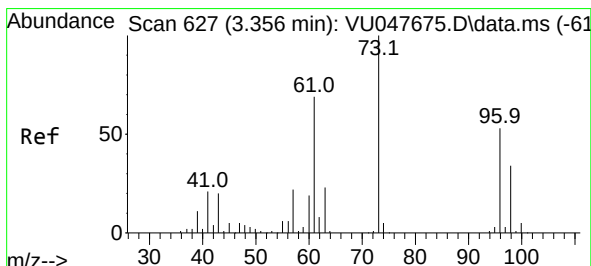
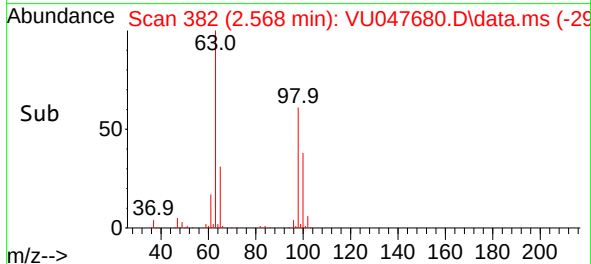
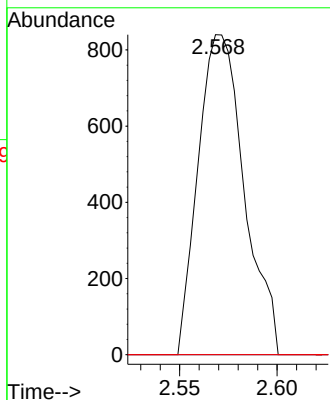
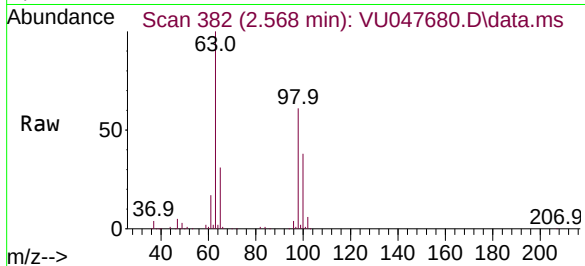




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.556 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.016 min
Lab File: VU047680.D
Acq: 25 Mar 2022 18:24

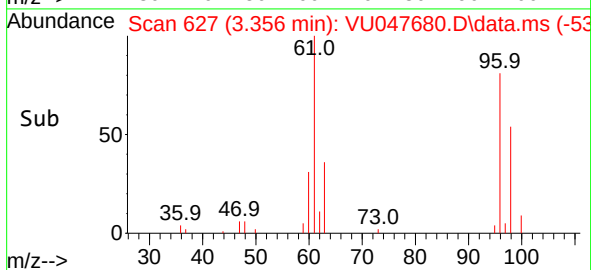
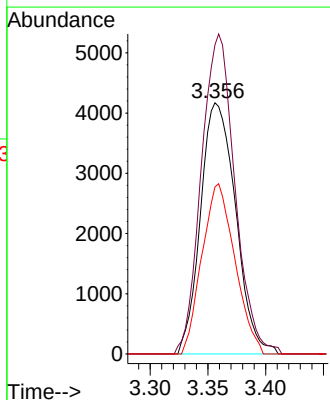
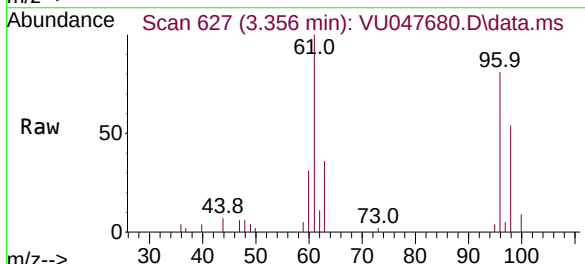
Instrument :
MSVOA_U
ClientSampleId :
EW618

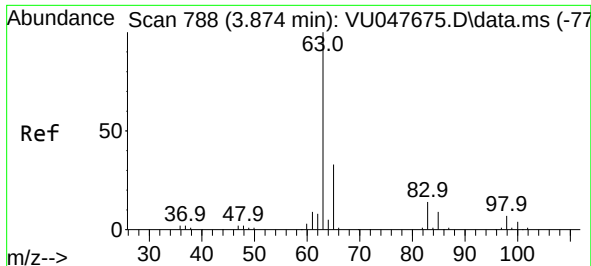
Tgt Ion:101 Resp: 1384
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#17
trans-1,2-Dichloroethene
Concen: 3.534 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU047680.D
Acq: 25 Mar 2022 18:24

Tgt Ion: 96 Resp: 8825
Ion Ratio Lower Upper
96 100
61 123.1 88.4 164.2
98 66.5 43.3 80.5





#19

1,1-Dichloroethane

Concen: 39.535 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047680.D

Acq: 25 Mar 2022 18:24

Instrument :

MSVOA_U

ClientSampleId :

EW618

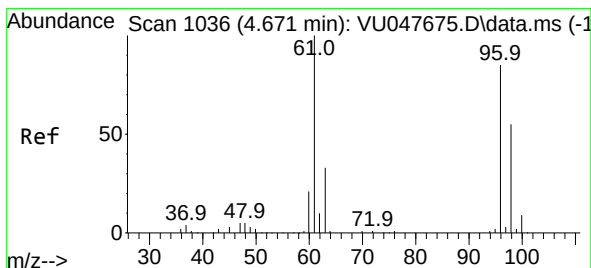
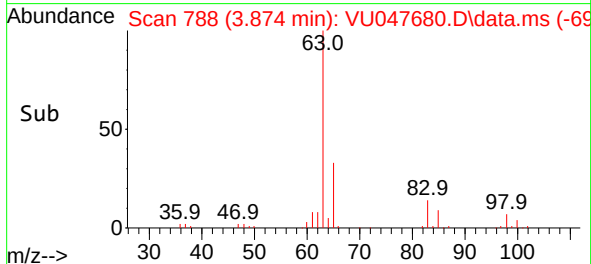
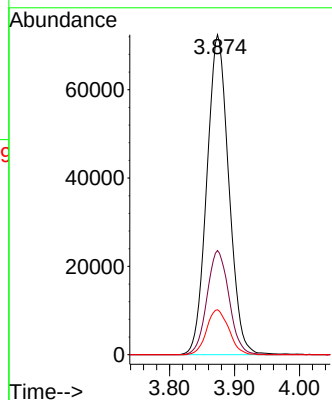
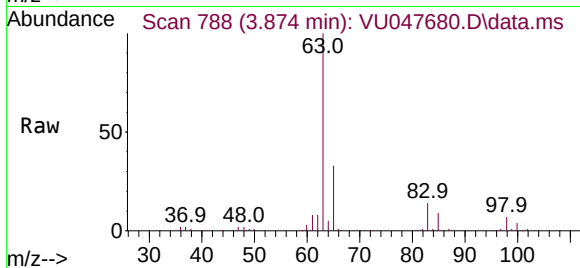
Tgt Ion: 63 Resp: 170277

Ion Ratio Lower Upper

63 100

65 32.6 22.0 41.0

83 14.1 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 145.754 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047680.D

Acq: 25 Mar 2022 18:24

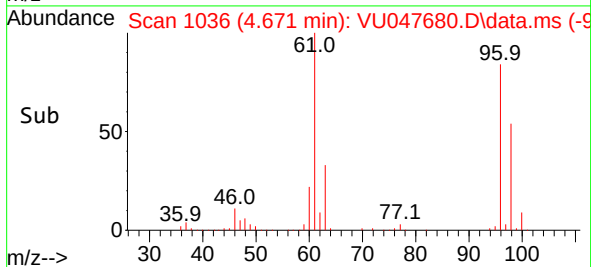
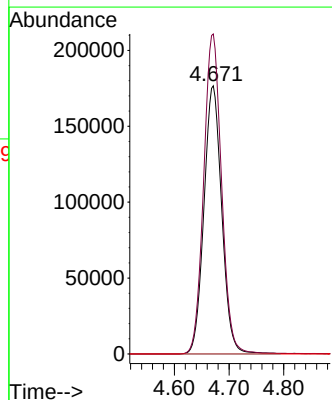
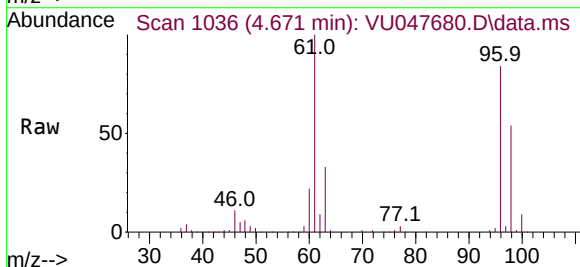
Tgt Ion: 96 Resp: 399045

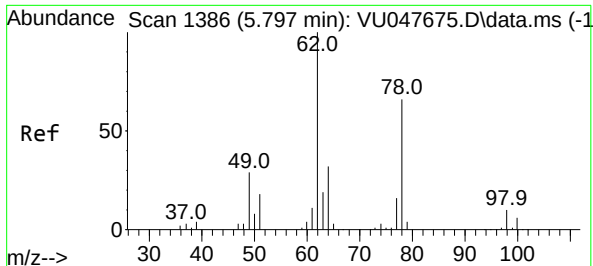
Ion Ratio Lower Upper

96 100

61 119.3 80.7 149.9

68 0.0 0.0 0.0

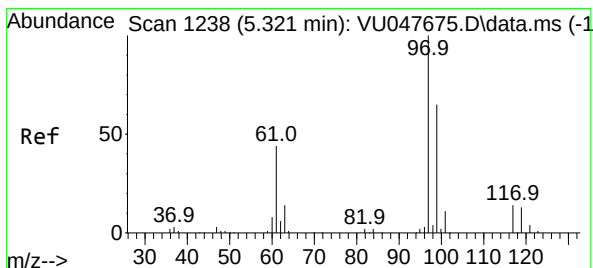
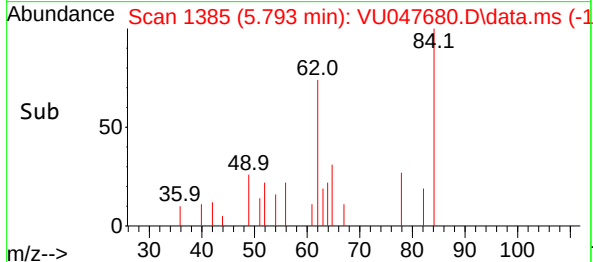
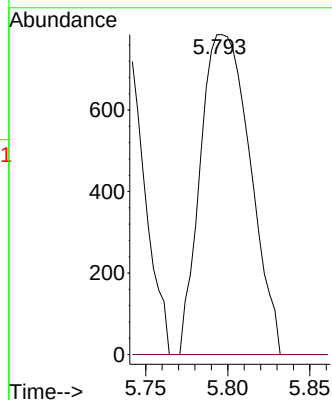
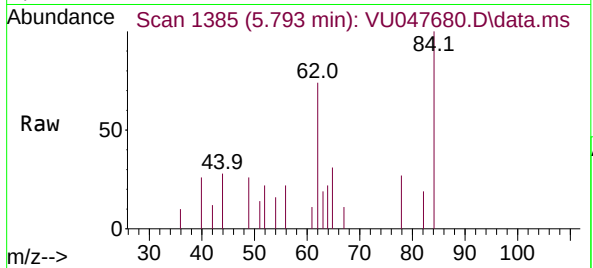




#27
1,2-Dichloroethane
Concen: 0.463 ug/L
RT: 5.793 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU047680.D
Acq: 25 Mar 2022 18:24

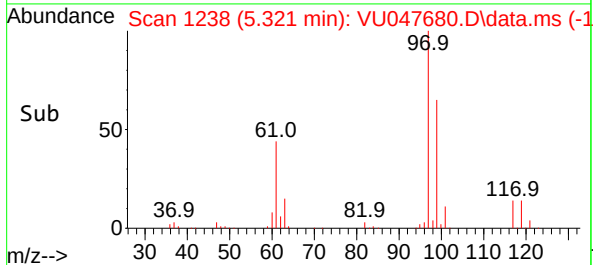
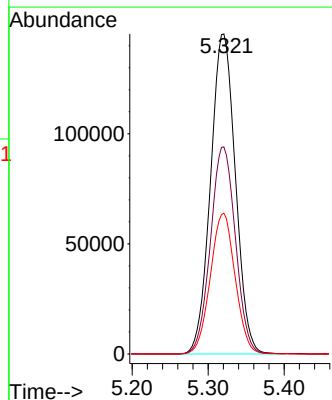
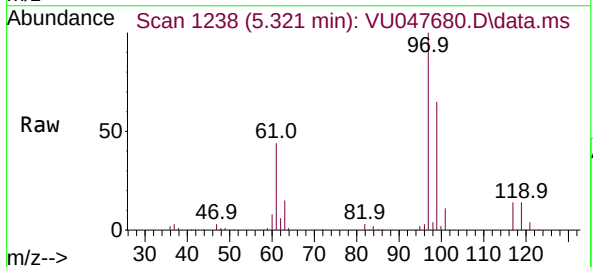
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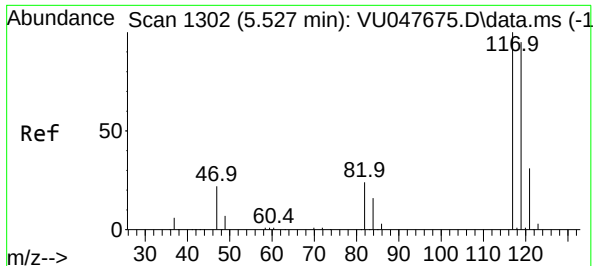
Tgt Ion: 62 Resp: 1660
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#30
1,1,1-Trichloroethane
Concen: 83.965 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU047680.D
Acq: 25 Mar 2022 18:24

Tgt Ion: 97 Resp: 330026
Ion Ratio Lower Upper
97 100
99 65.1 51.6 77.4
61 43.9 34.2 51.4

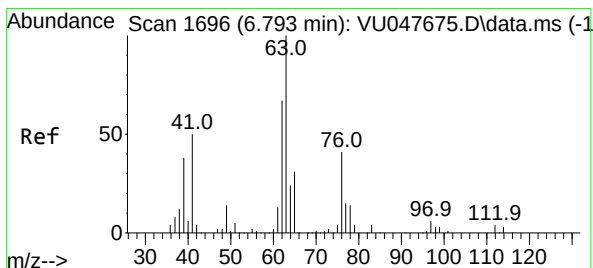
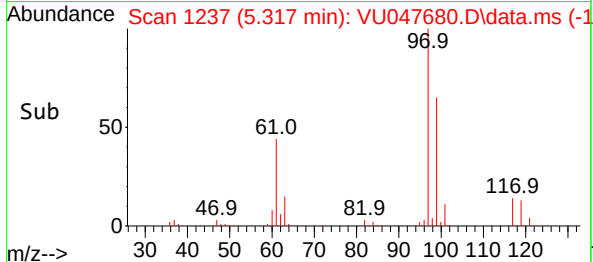
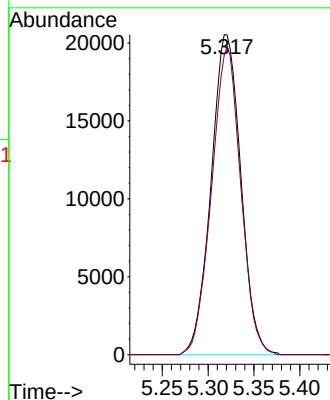
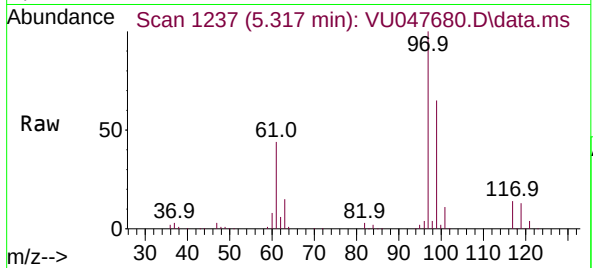




#31
Carbon tetrachloride
Concen: 13.050 ug/L
RT: 5.317 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU047680.D
Acq: 25 Mar 2022 18:24

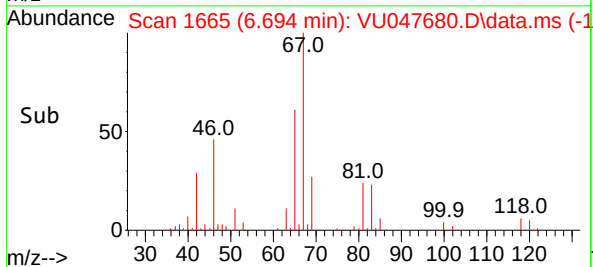
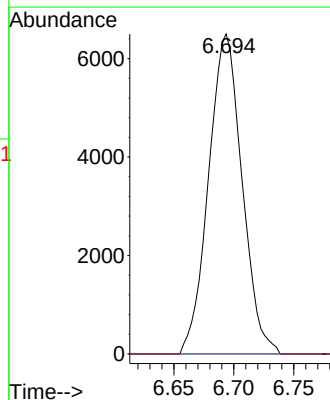
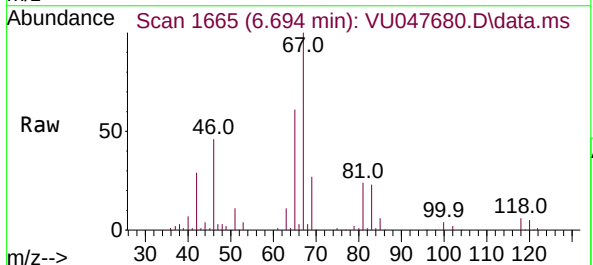
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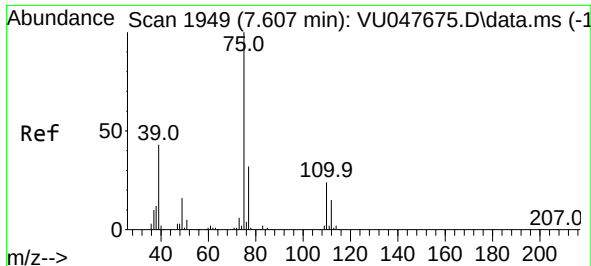
Tgt Ion:117 Resp: 46318
Ion Ratio Lower Upper
117 100
119 94.1 77.2 115.8



#37
1,2-Dichloropropane
Concen: 4.947 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047680.D
Acq: 25 Mar 2022 18:24

Tgt Ion: 63 Resp: 12617
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.755 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU047680.D

Acq: 25 Mar 2022 18:24

Instrument :

MSVOA_U

ClientSampleId :

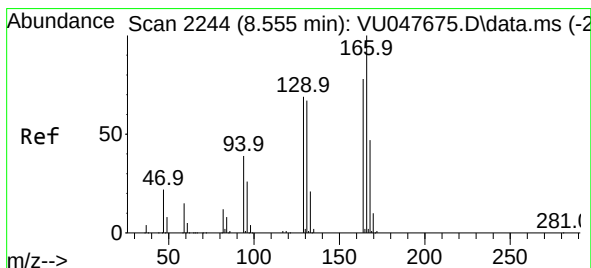
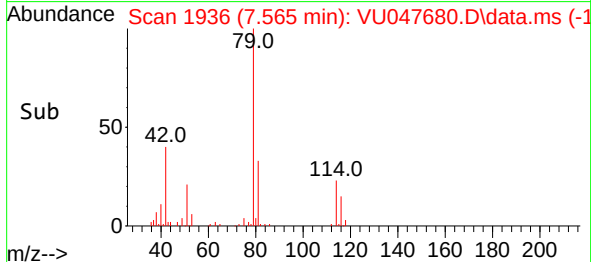
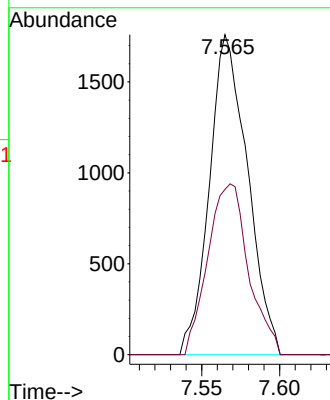
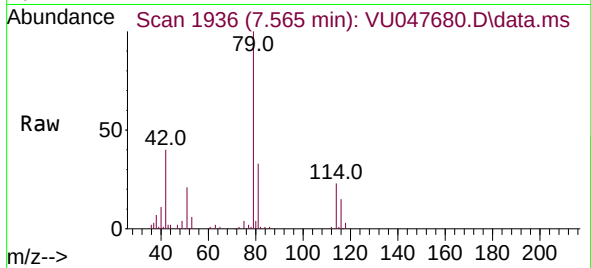
EW618

Tgt Ion: 75 Resp: 2990

Ion Ratio Lower Upper

75 100

77 51.6 21.8 40.6#



#46

Tetrachloroethene

Concen: 10.586 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047680.D

Acq: 25 Mar 2022 18:24

Tgt Ion: 164 Resp: 25024

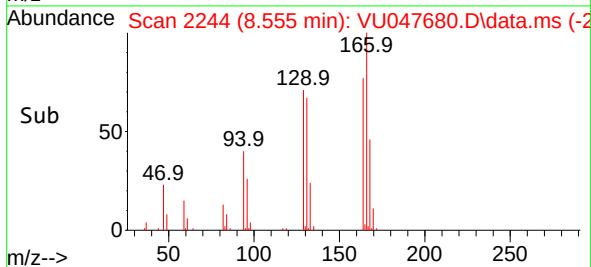
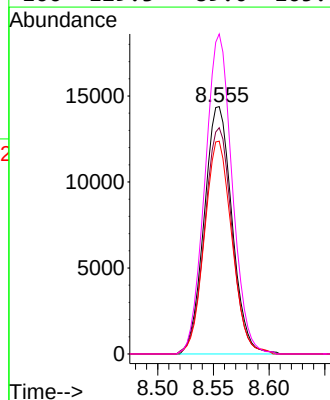
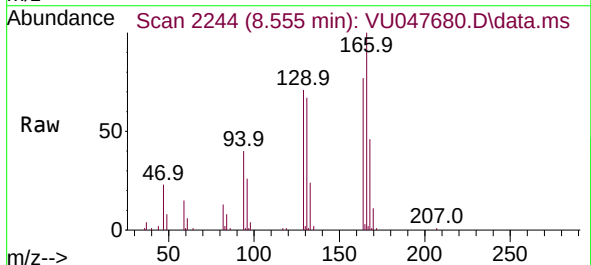
Ion Ratio Lower Upper

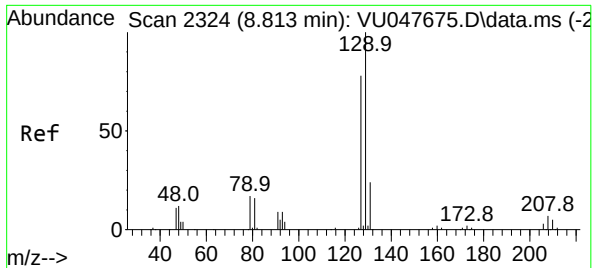
164 100

129 91.5 62.4 116.0

131 86.0 60.7 112.7

166 129.3 89.0 165.4





#49
 Dibromochloromethane
 Concen: 7.208 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. -0.257 min
 Lab File: VU047680.D
 Acq: 25 Mar 2022 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 EW618

Tgt Ion:129 Resp: 22585
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.2 100.6#

