

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047679.D
 Acq On : 25 Mar 2022 18:02
 Operator : SY/MD
 Sample : N2082-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW617

Quant Time: Mar 26 04:21:18 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)

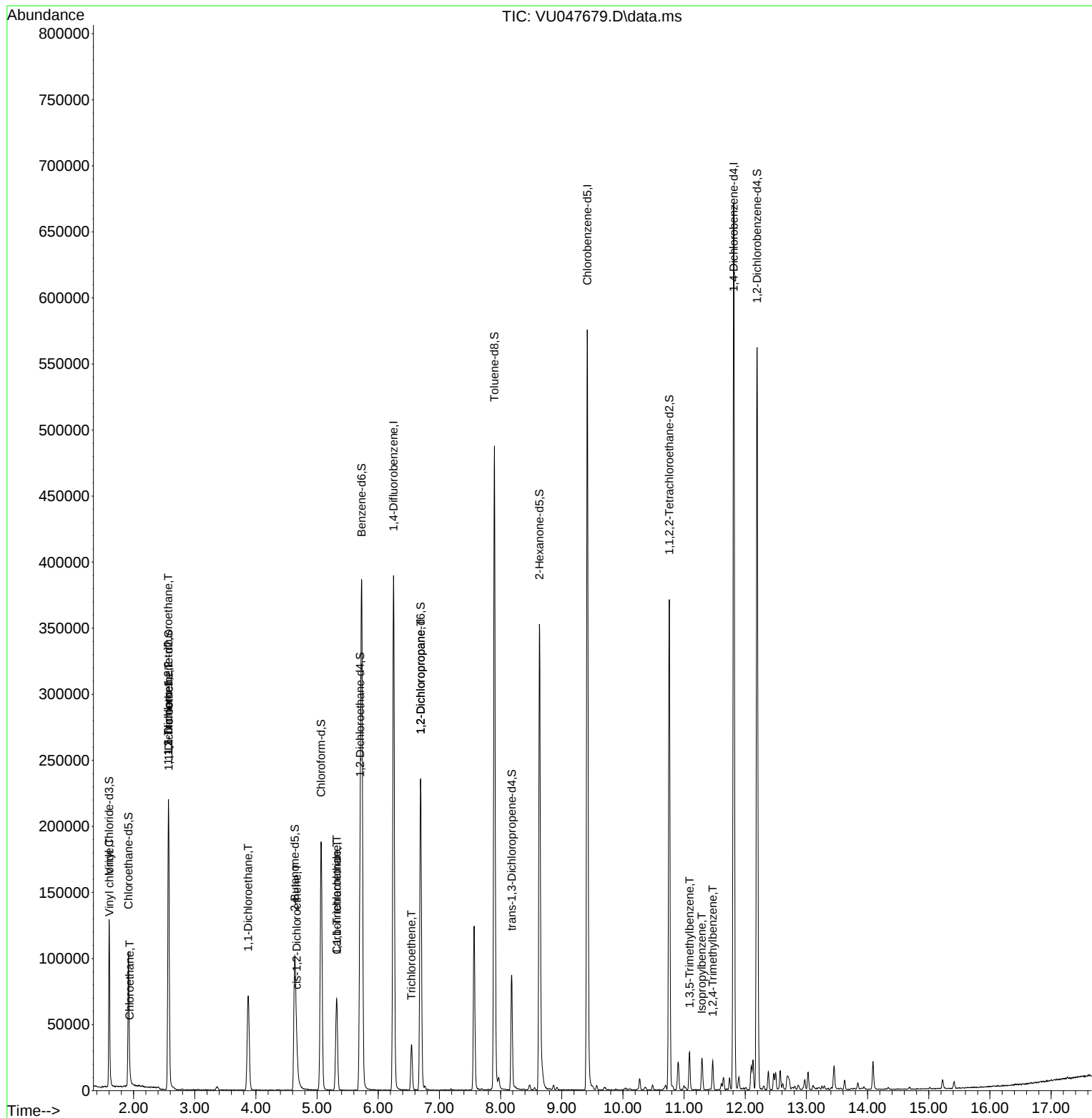
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	329953	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	343751	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	186449	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	90576	37.855	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.720%		
7) Chloroethane-d5	1.916	69	76279	40.431	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.860%		
11) 1,1-Dichloroethene-d2	2.572	63	125965	28.775	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.540%#		
21) 2-Butanone-d5	4.636	46	174047	84.748	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.750%		
24) Chloroform-d	5.067	84	175162	40.009	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.020%		
26) 1,2-Dichloroethane-d4	5.703	65	114236	42.544	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.080%		
32) Benzene-d6	5.729	84	359866	41.604	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.200%		
36) 1,2-Dichloropropane-d6	6.694	67	113906	42.880	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.760%		
41) Toluene-d8	7.899	98	332073	39.404	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.800%#		
43) trans-1,3-Dichloroprop...	8.182	79	49486	36.771	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.540%		
47) 2-Hexanone-d5	8.636	63	124278	79.918	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.920%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	180825	39.664	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.320%		
66) 1,2-Dichlorobenzene-d4	12.195	152	146627	44.203	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.400%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	3193	1.070	ug/L #	60
8) Chloroethane	1.938	64	2930	1.564	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1263	0.519	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	1252	0.553	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	83694	19.879	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	3989	1.490	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	50476	12.950	ug/L	99
31) Carbon tetrachloride	5.321	117	6936	1.971	ug/L	95
34) Trichloroethene	6.542	95	11502	4.409	ug/L	96
37) 1,2-Dichloropropane	6.694	63	12068	4.771	ug/L #	87
61) Isopropylbenzene	11.291	105	14461	1.435	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	15400	2.817	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	11270	1.357	ug/L	99

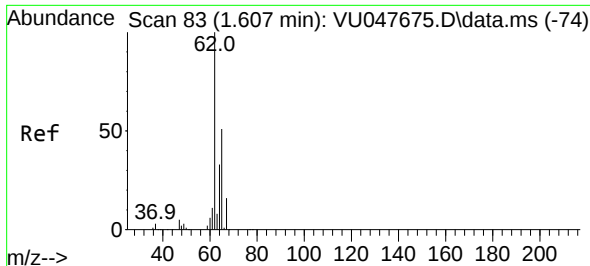
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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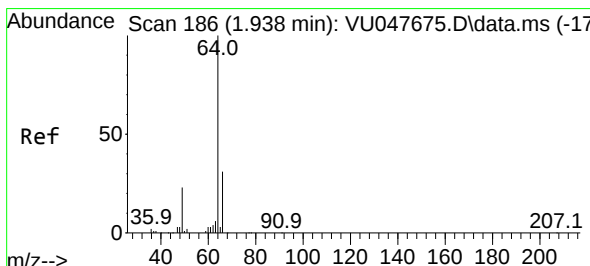
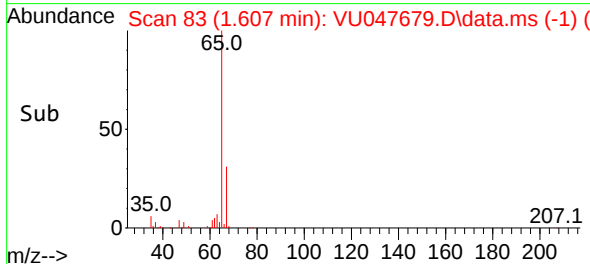
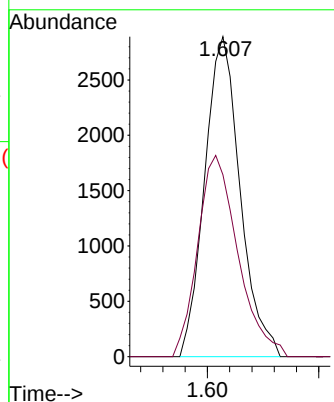
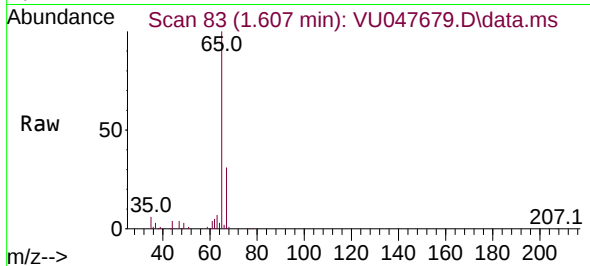




#5
 Vinyl chloride
 Concen: 1.070 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU047679.D
 Acq: 25 Mar 2022 18:02

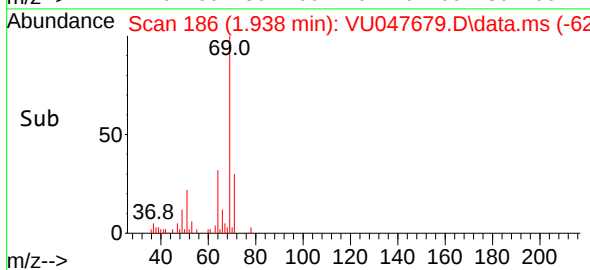
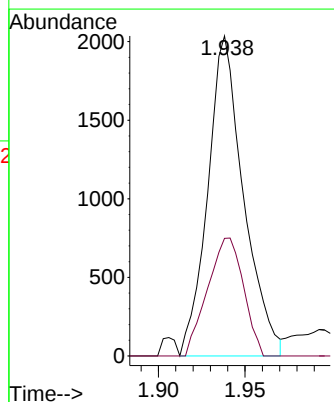
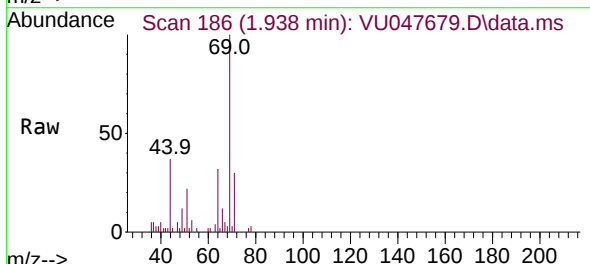
Instrument :
 MSVOA_U
 ClientSampleId :
 EW617

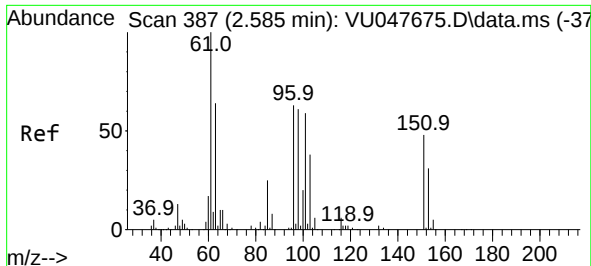
Tgt Ion: 62 Resp: 3193
 Ion Ratio Lower Upper
 62 100
 64 56.9 23.7 43.9#



#8
 Chloroethane
 Concen: 1.564 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU047679.D
 Acq: 25 Mar 2022 18:02

Tgt Ion: 64 Resp: 2930
 Ion Ratio Lower Upper
 64 100
 66 36.7 23.3 43.3

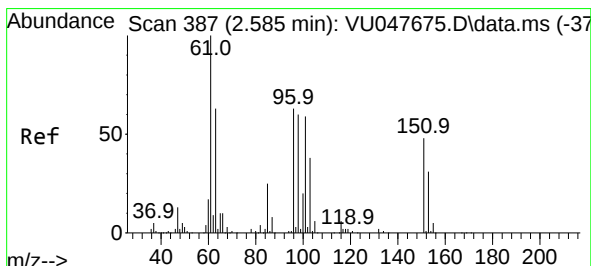
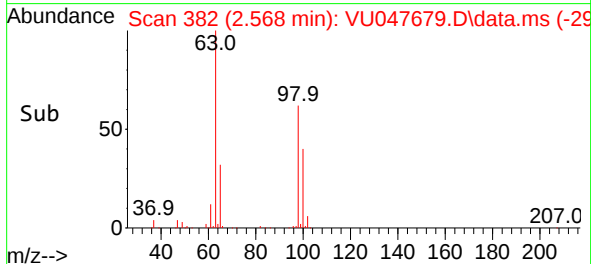
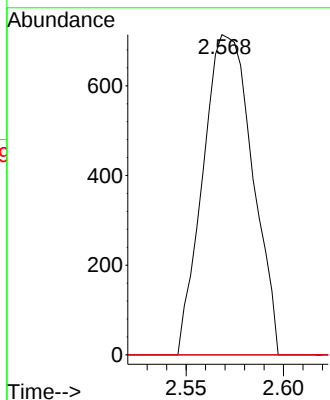
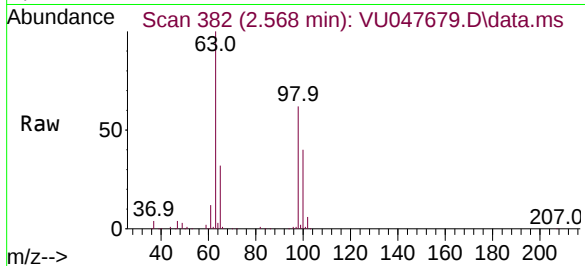




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.519 ug/L
 RT: 2.568 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VU047679.D
 Acq: 25 Mar 2022 18:02

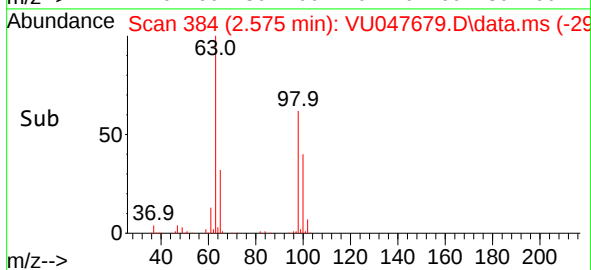
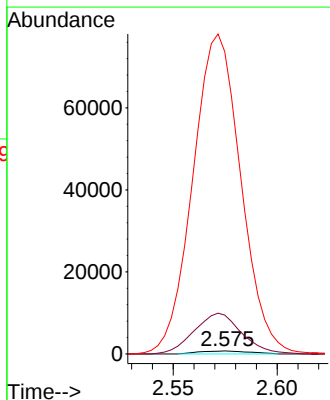
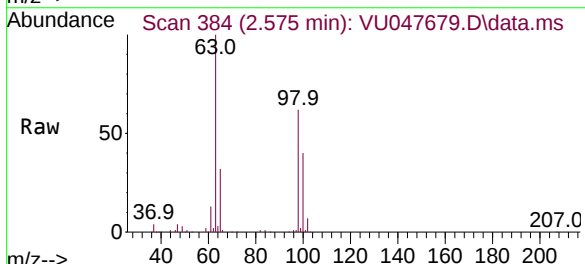
Instrument :
 MSVOA_U
 ClientSampleId :
 EW617

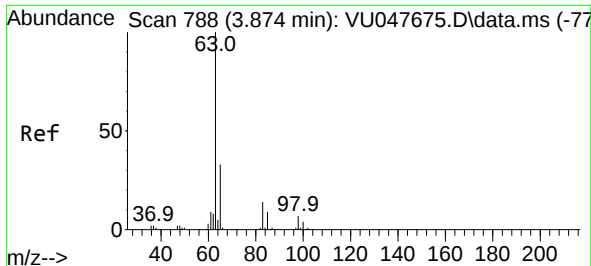
Tgt Ion:101 Resp: 1263
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.553 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU047679.D
 Acq: 25 Mar 2022 18:02

Tgt Ion: 96 Resp: 1252
 Ion Ratio Lower Upper
 96 100
 61 1257.5 113.1 210.1#
 63 9757.9 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 19.879 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047679.D

Acq: 25 Mar 2022 18:02

Instrument :

MSVOA_U

ClientSampleId :

EW617

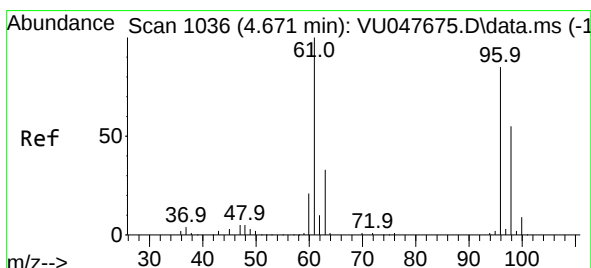
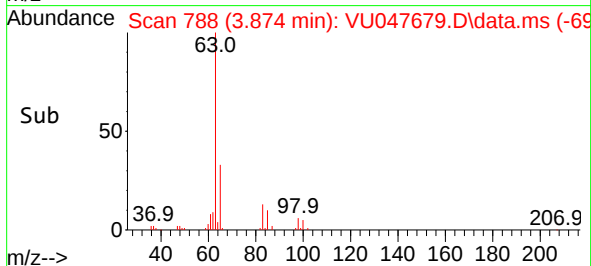
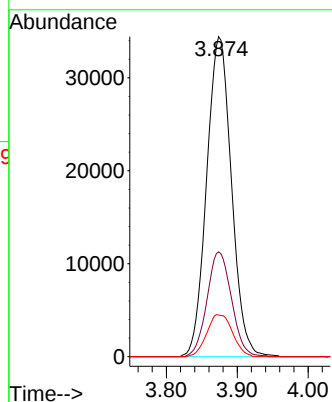
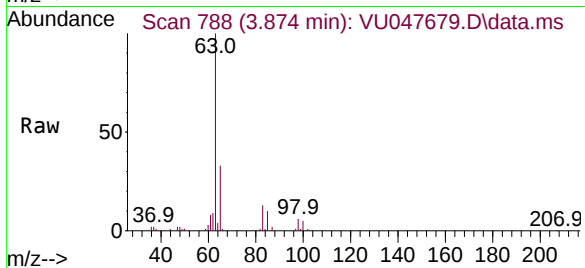
Tgt Ion: 63 Resp: 83694

Ion Ratio Lower Upper

63 100

65 32.7 22.0 41.0

83 13.0 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 1.490 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU047679.D

Acq: 25 Mar 2022 18:02

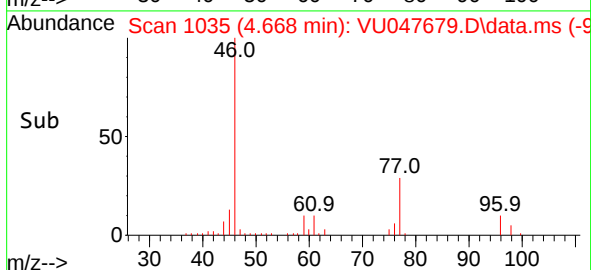
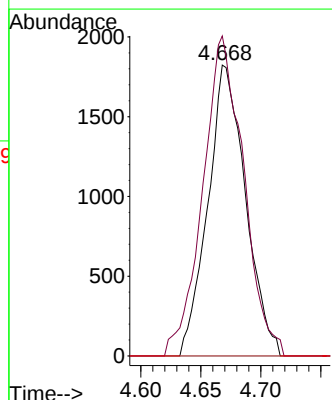
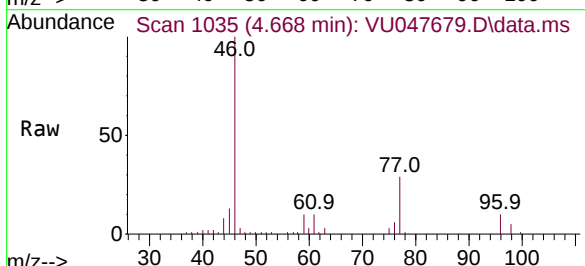
Tgt Ion: 96 Resp: 3989

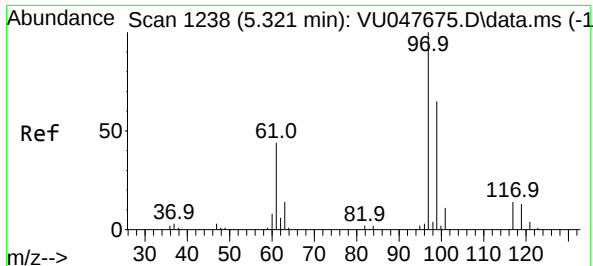
Ion Ratio Lower Upper

96 100

61 110.0 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 12.950 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047679.D

Acq: 25 Mar 2022 18:02

Instrument :

MSVOA_U

ClientSampleId :

EW617

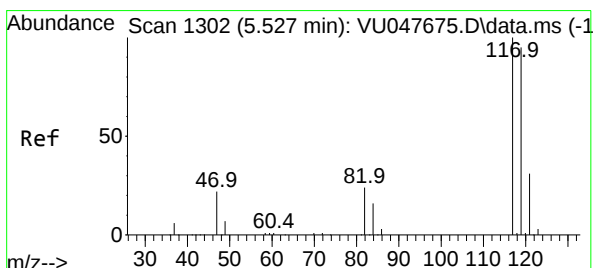
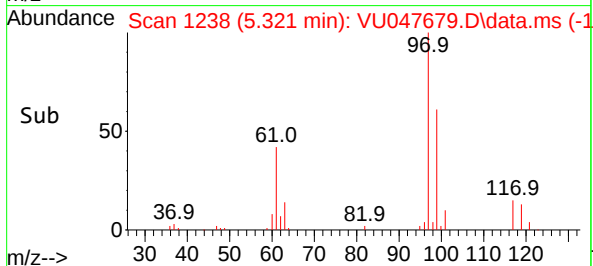
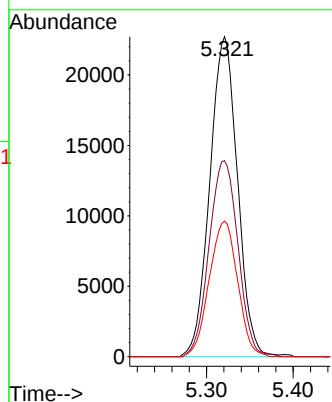
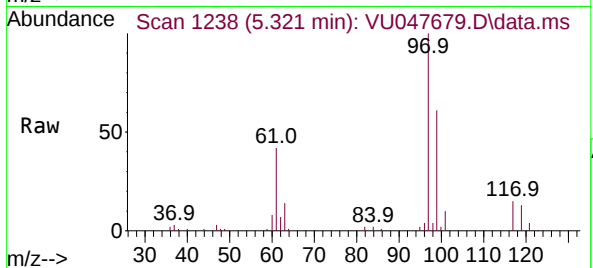
Tgt Ion: 97 Resp: 50476

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 43.4 34.2 51.4



#31

Carbon tetrachloride

Concen: 1.971 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.206 min

Lab File: VU047679.D

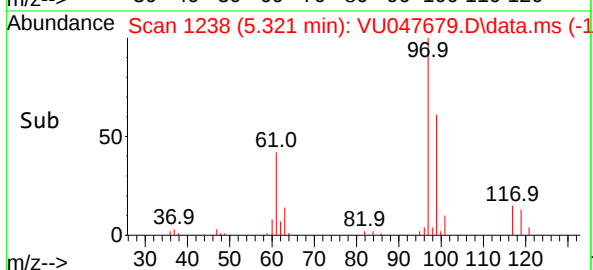
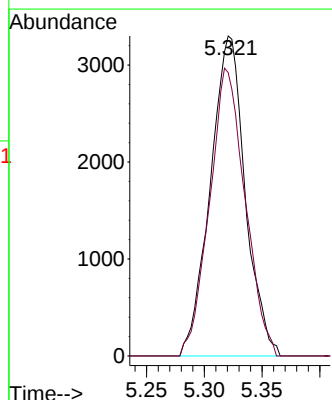
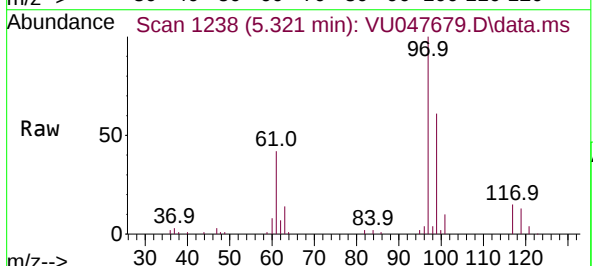
Acq: 25 Mar 2022 18:02

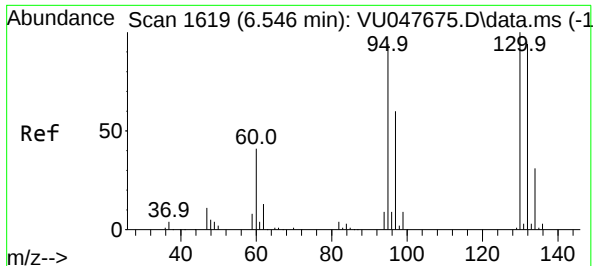
Tgt Ion: 117 Resp: 6936

Ion Ratio Lower Upper

117 100

119 91.5 77.2 115.8



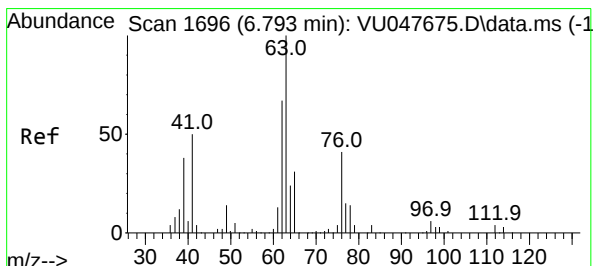
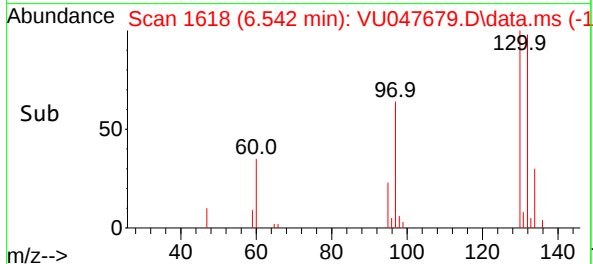
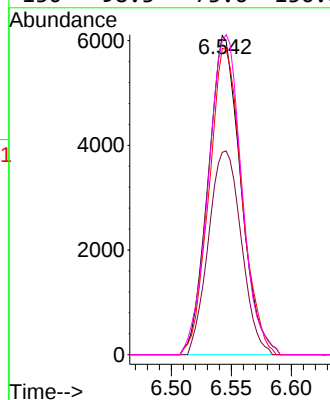
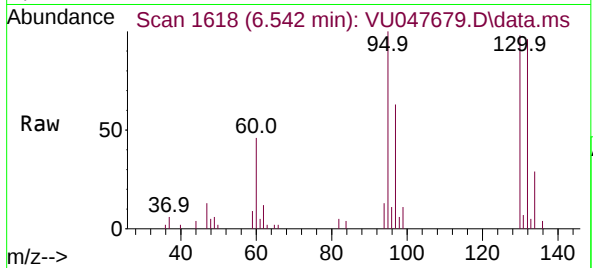


#34
 Trichloroethene
 Concen: 4.409 ug/L
 RT: 6.542 min Scan# 1618
 Delta R.T. -0.003 min
 Lab File: VU047679.D
 Acq: 25 Mar 2022 18:02

Instrument :
 MSVOA_U
 ClientSampleId :
 EW617

Tgt Ion: 95 Resp: 11502

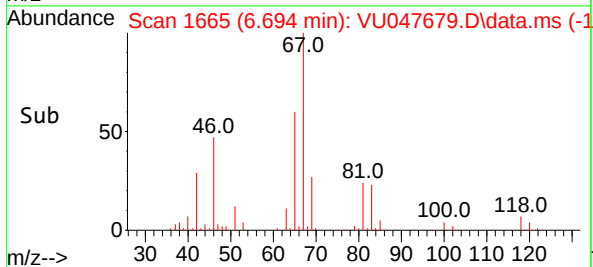
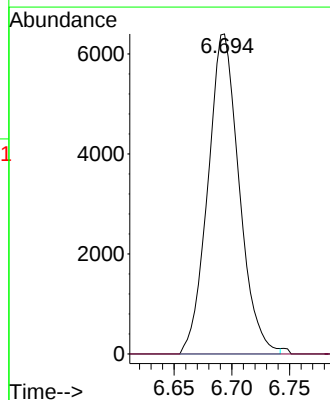
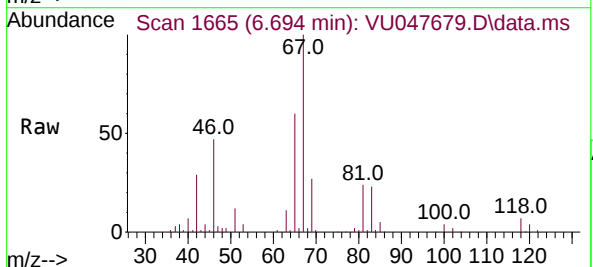
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.7	82.9
132	95.9	70.4	130.8
130	98.3	73.6	136.8

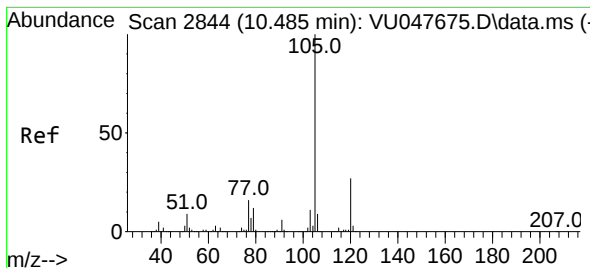


#37
 1,2-Dichloropropane
 Concen: 4.771 ug/L
 RT: 6.694 min Scan# 1665
 Delta R.T. -0.100 min
 Lab File: VU047679.D
 Acq: 25 Mar 2022 18:02

Tgt Ion: 63 Resp: 12068

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.4	5.2#





#61

Isopropylbenzene

Concen: 1.435 ug/L

RT: 11.291 min Scan# 3095

Delta R.T. 0.807 min

Lab File: VU047679.D

Acq: 25 Mar 2022 18:02

Instrument :

MSVOA_U

ClientSampleId :

EW617

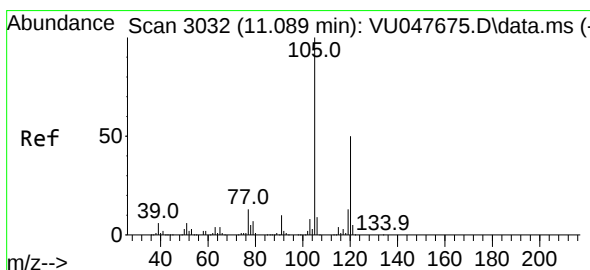
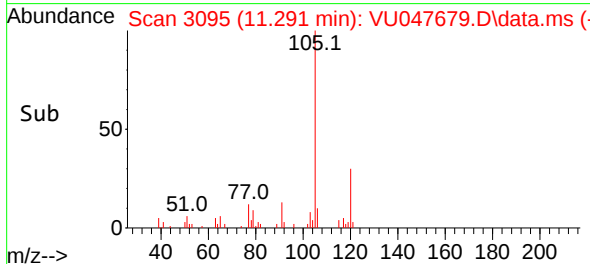
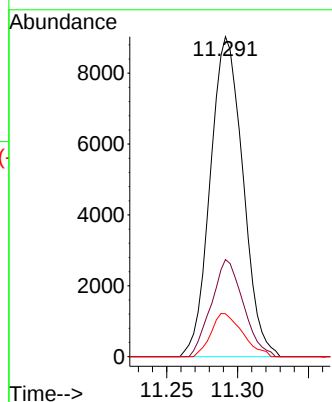
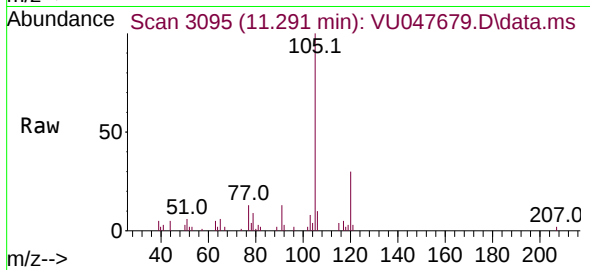
Tgt Ion:105 Resp: 14461

Ion Ratio Lower Upper

105 100

120 29.7 21.9 32.9

77 13.0 12.1 18.1



#62

1,3,5-Trimethylbenzene

Concen: 2.817 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047679.D

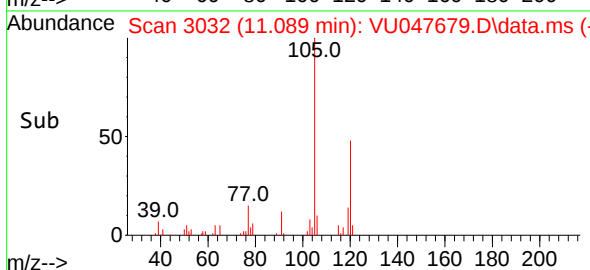
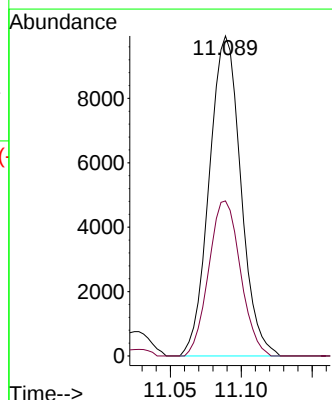
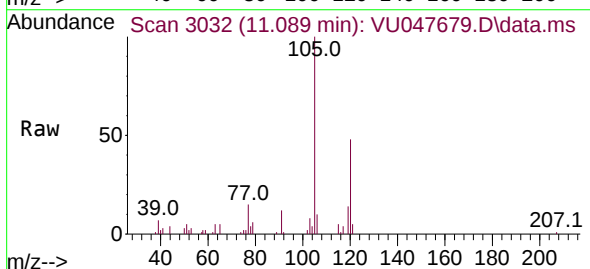
Acq: 25 Mar 2022 18:02

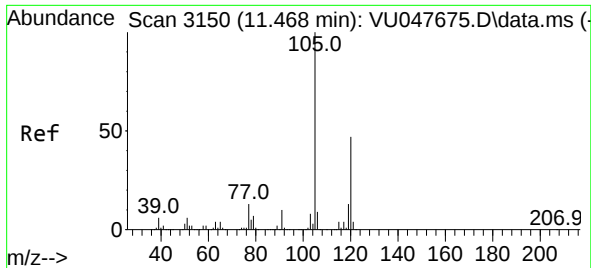
Tgt Ion:105 Resp: 15400

Ion Ratio Lower Upper

105 100

120 48.6 40.8 61.2





#63
 1,2,4-Trimethylbenzene
 Concen: 1.357 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU047679.D
 Acq: 25 Mar 2022 18:02

Instrument :
 MSVOA_U
 ClientSampleId :
 EW617

Tgt Ion:105 Resp: 11270
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.6 56.4

