

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047678.D
 Acq On : 25 Mar 2022 17:39
 Operator : SY/MD
 Sample : N2081-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

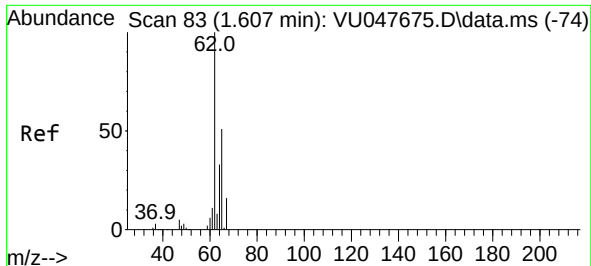
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Z4

Quant Time: Mar 26 04:21:04 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	333832	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	347441	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	189376	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	91066	37.618	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.240%		
7) Chloroethane-d5	1.916	69	78154	40.943	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.880%		
11) 1,1-Dichloroethene-d2	2.572	63	127923	28.882	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.760%#		
21) 2-Butanone-d5	4.633	46	170969	82.282	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.280%		
24) Chloroform-d	5.067	84	177620	40.099	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.200%		
26) 1,2-Dichloroethane-d4	5.703	65	116109	42.739	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.480%		
32) Benzene-d6	5.729	84	362813	41.499	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.000%		
36) 1,2-Dichloropropane-d6	6.694	67	116414	43.358	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.720%		
41) Toluene-d8	7.899	98	336494	39.505	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.000%#		
43) trans-1,3-Dichloroprop...	8.182	79	50555	37.166	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.340%		
47) 2-Hexanone-d5	8.636	63	124463	79.187	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.190%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	182556	39.619	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.240%		
66) 1,2-Dichlorobenzene-d4	12.195	152	145960	43.322	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.640%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	3446	1.142	ug/L #	52
8) Chloroethane	1.938	64	3087	1.629	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1230	0.500	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	1493	0.652	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	80992	19.013	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	4275	1.579	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	50765	12.886	ug/L	99
31) Carbon tetrachloride	5.321	117	6691	1.881	ug/L	97
34) Trichloroethene	6.546	95	12435	4.716	ug/L	97
37) 1,2-Dichloropropane	6.690	63	12378	4.842	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	3138	0.791	ug/L #	57
61) Isopropylbenzene	11.292	105	14204	1.388	ug/L	96
62) 1,3,5-Trimethylbenzene	11.089	105	14548	2.620	ug/L	96
63) 1,2,4-Trimethylbenzene	11.468	105	13053	1.547	ug/L	99

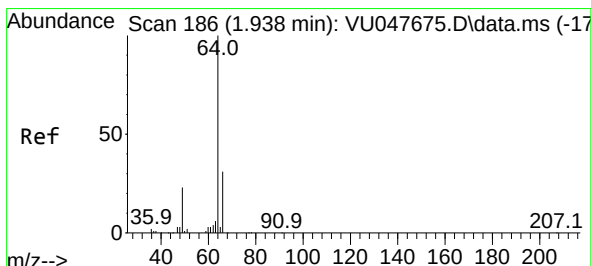
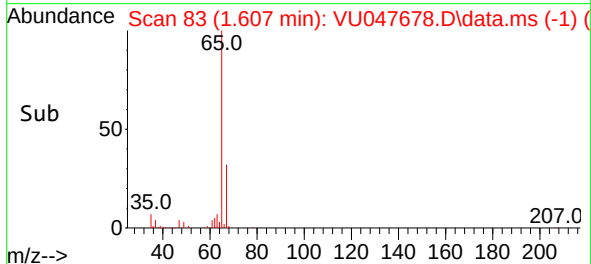
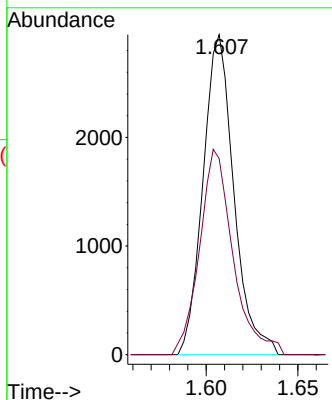
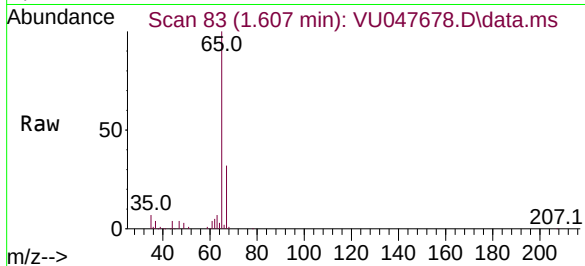
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 1.142 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047678.D
 Acq: 25 Mar 2022 17:39

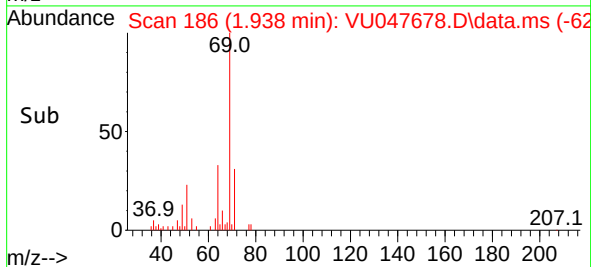
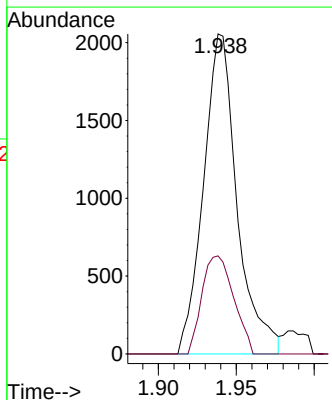
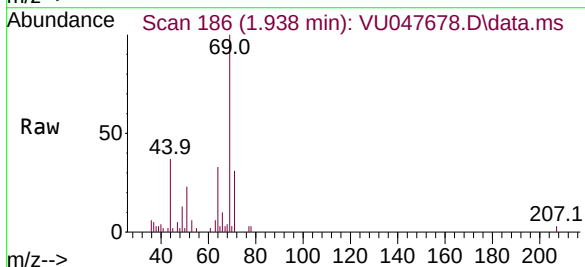
Instrument :
 MSVOA_U
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 EW5Z4

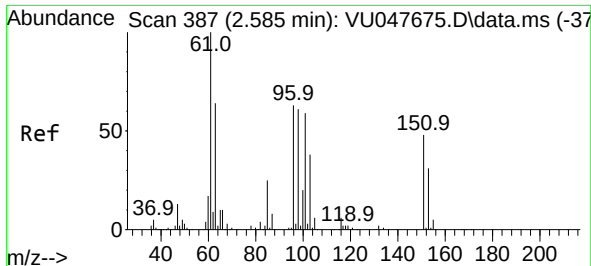
Tgt Ion: 62 Resp: 3446
 Ion Ratio Lower Upper
 62 100
 64 61.2 23.7 43.9#



#8
 Chloroethane
 Concen: 1.629 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047678.D
 Acq: 25 Mar 2022 17:39

Tgt Ion: 64 Resp: 3087
 Ion Ratio Lower Upper
 64 100
 66 30.6 23.3 43.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.500 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.010 min

Lab File: VU047678.D

Acq: 25 Mar 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

EW5Z4

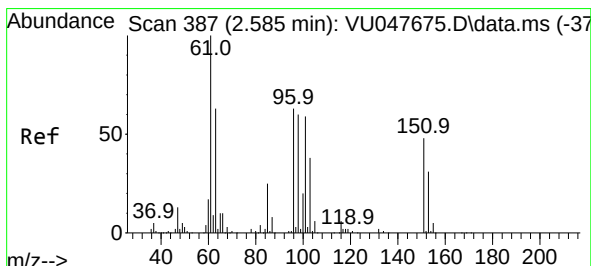
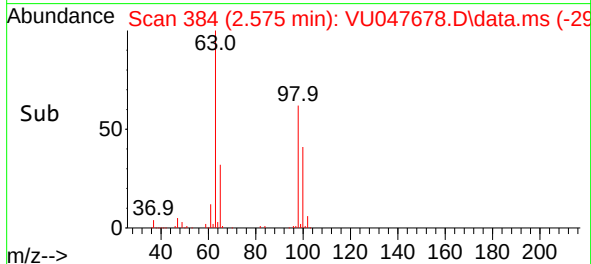
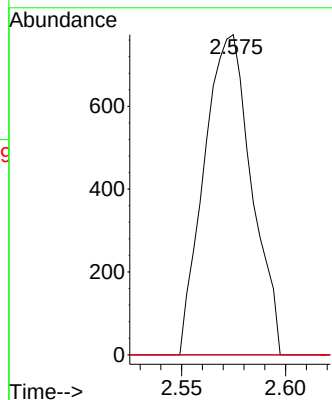
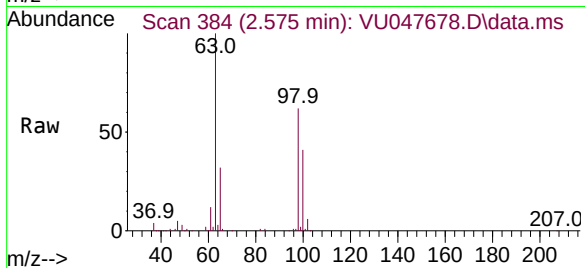
Tgt Ion:101 Resp: 1230

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: 0.652 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.010 min

Lab File: VU047678.D

Acq: 25 Mar 2022 17:39

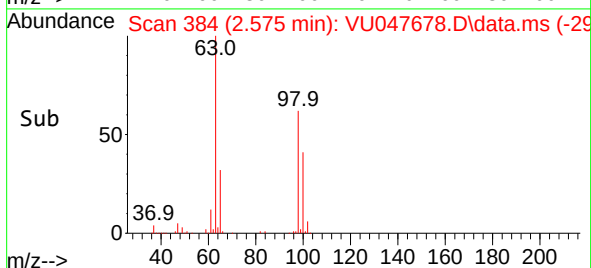
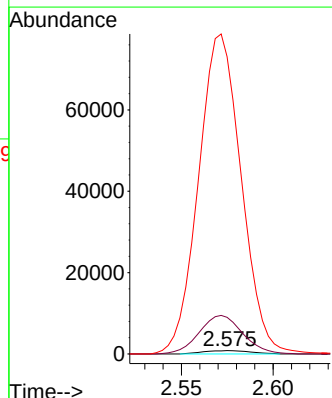
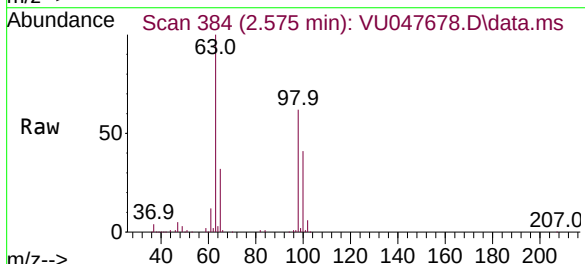
Tgt Ion: 96 Resp: 1493

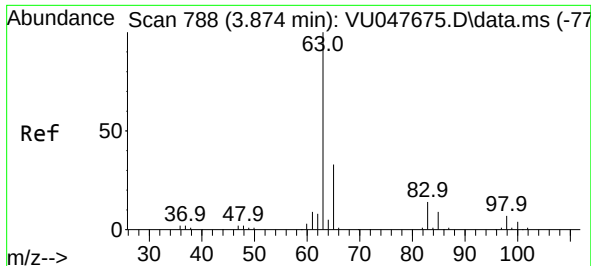
Ion Ratio Lower Upper

96 100

61 1109.7 113.1 210.1#

63 9001.0 94.8 176.0#

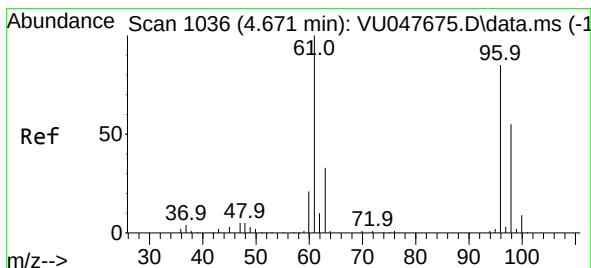
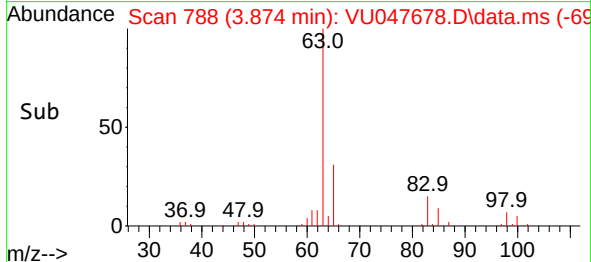
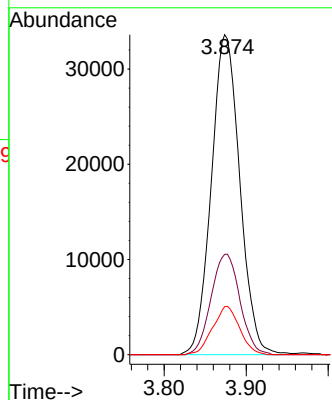
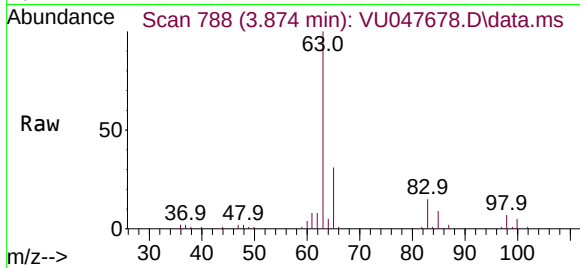




#19
 1,1-Dichloroethane
 Concen: 19.013 ug/L
 RT: 3.874 min Scan# 788
 Delta R.T. 0.000 min
 Lab File: VU047678.D
 Acq: 25 Mar 2022 17:39

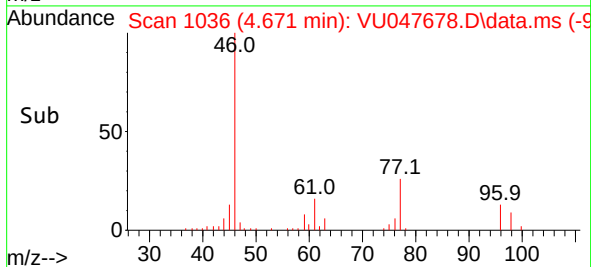
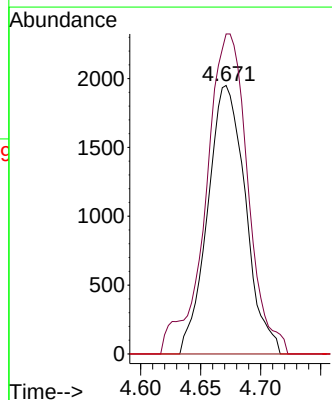
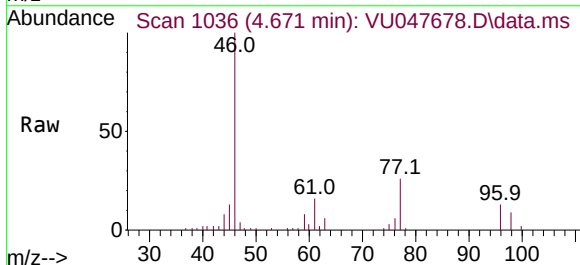
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Z4

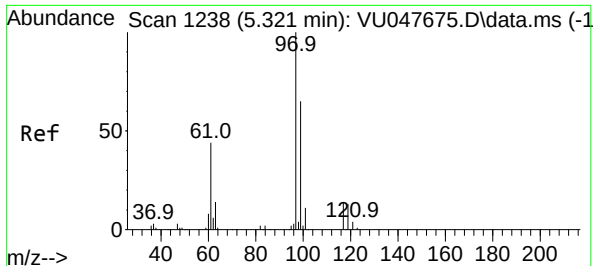
Tgt Ion:	63	Resp:	80992
Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.0	41.0
83	15.0	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 1.579 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU047678.D
 Acq: 25 Mar 2022 17:39

Tgt Ion:	96	Resp:	4275
Ion	Ratio	Lower	Upper
96	100		
61	119.2	80.7	149.9
68	0.0	0.0	0.0





#30

1,1,1-Trichloroethane

Concen: 12.886 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047678.D

Acq: 25 Mar 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

EW5Z4

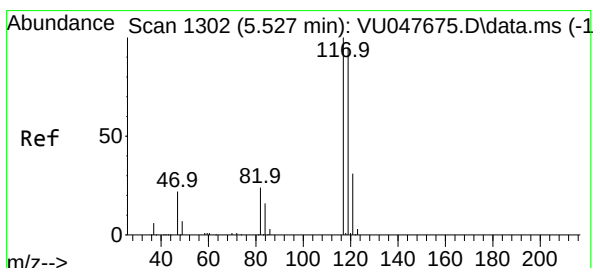
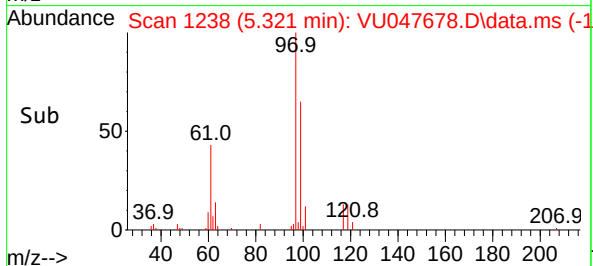
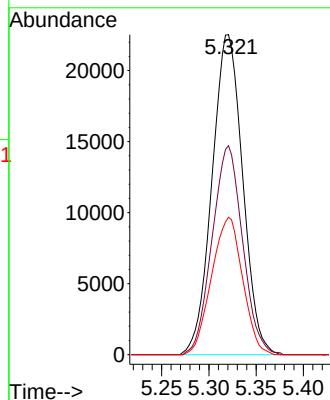
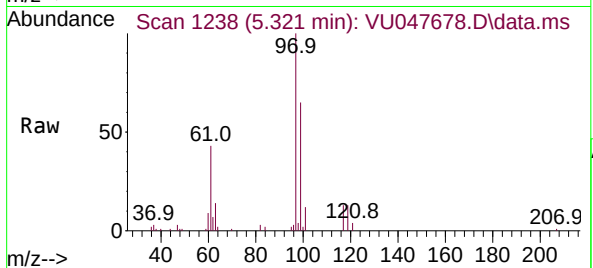
Tgt Ion: 97 Resp: 50765

Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 43.5 34.2 51.4



#31

Carbon tetrachloride

Concen: 1.881 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.206 min

Lab File: VU047678.D

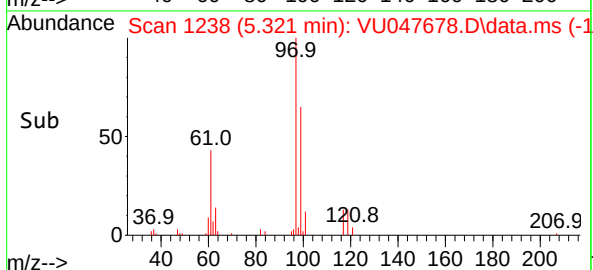
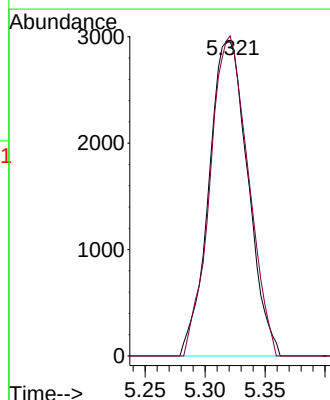
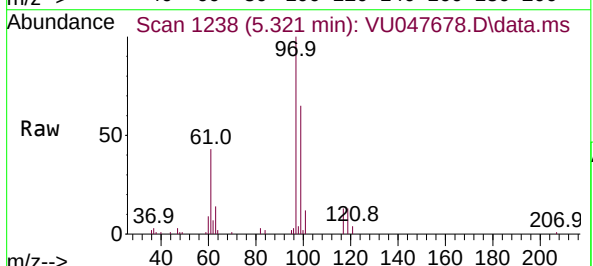
Acq: 25 Mar 2022 17:39

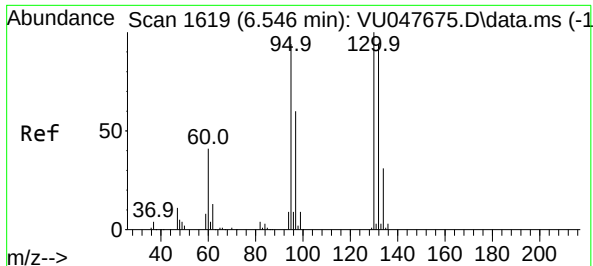
Tgt Ion: 117 Resp: 6691

Ion Ratio Lower Upper

117 100

119 99.7 77.2 115.8

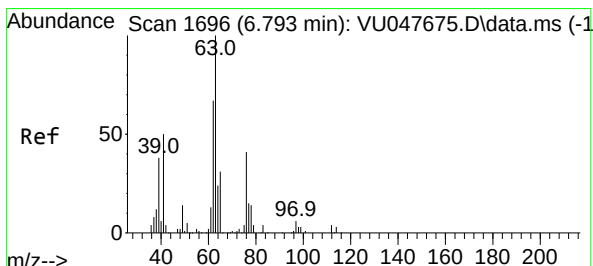
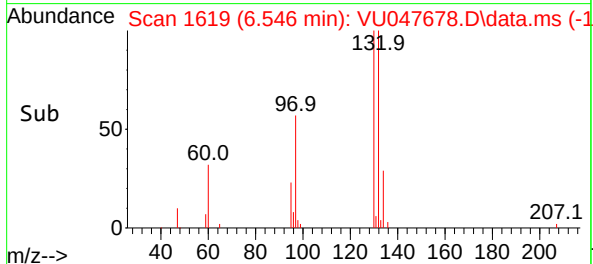
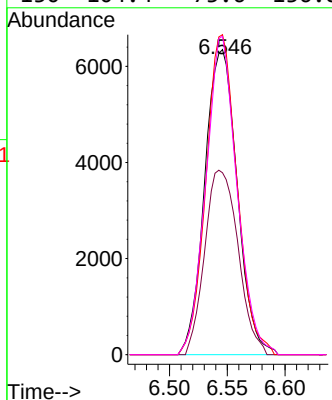
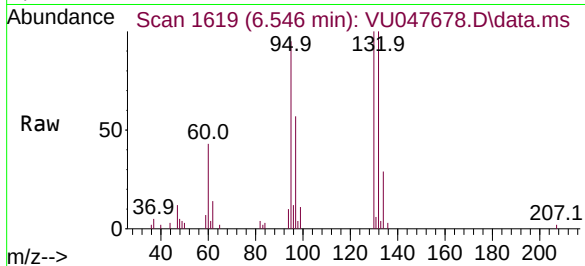




#34
Trichloroethene
Concen: 4.716 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047678.D
Acq: 25 Mar 2022 17:39

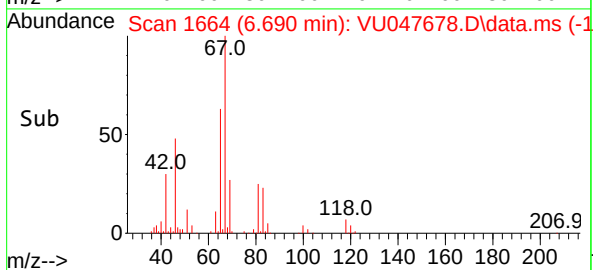
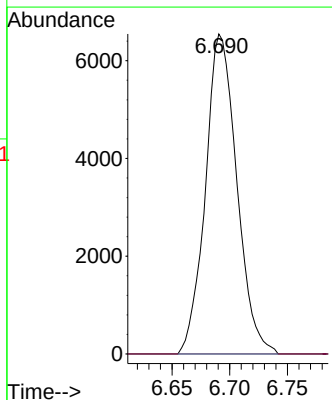
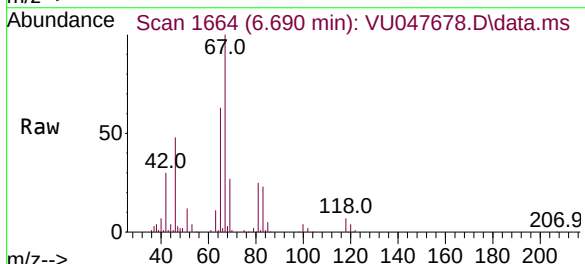
Instrument :
MSVOA_U
ClientSampleId :
EW5Z4

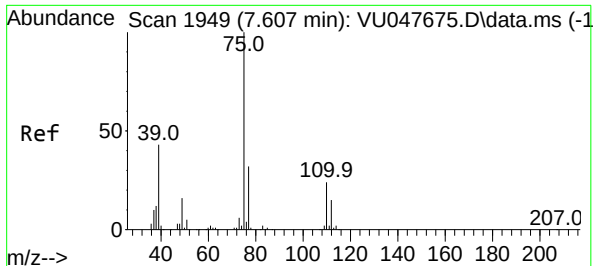
Tgt Ion:	95	Resp:	12435
Ion	Ratio	Lower	Upper
95	100		
97	59.6	44.7	82.9
132	104.9	70.4	130.8
130	104.4	73.6	136.8



#37
1,2-Dichloropropane
Concen: 4.842 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU047678.D
Acq: 25 Mar 2022 17:39

Tgt Ion:	63	Resp:	12378
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.4	5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.791 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU047678.D

Acq: 25 Mar 2022 17:39

Instrument :

MSVOA_U

ClientSampleId :

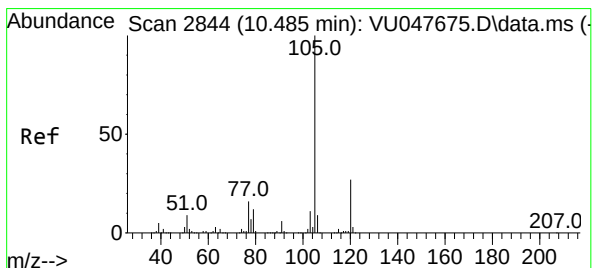
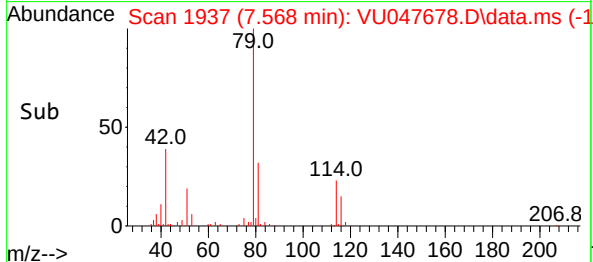
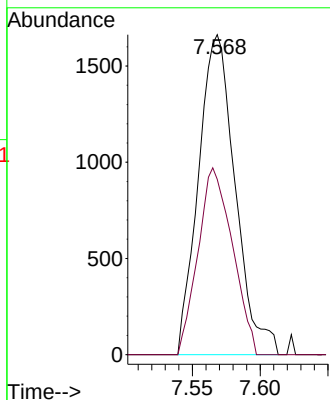
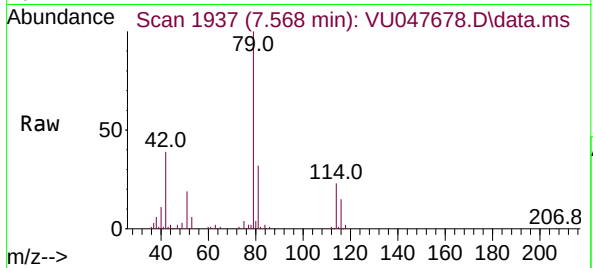
EW5Z4

Tgt Ion: 75 Resp: 3138

Ion Ratio Lower Upper

75 100

77 54.8 21.8 40.6#



#61

Isopropylbenzene

Concen: 1.388 ug/L

RT: 11.292 min Scan# 3095

Delta R.T. 0.807 min

Lab File: VU047678.D

Acq: 25 Mar 2022 17:39

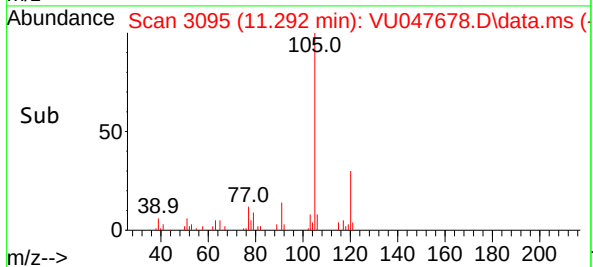
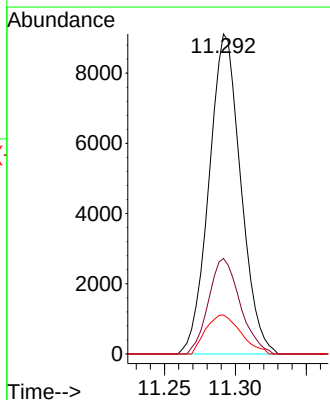
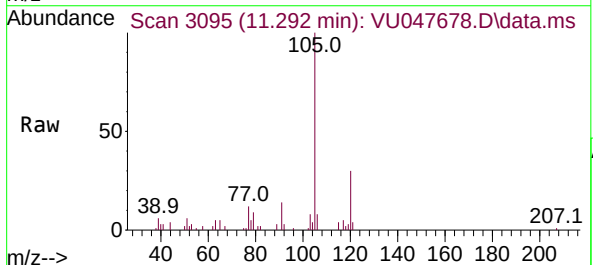
Tgt Ion: 105 Resp: 14204

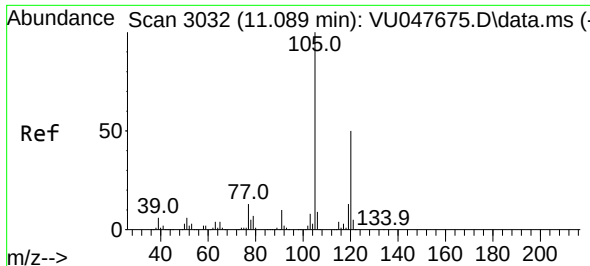
Ion Ratio Lower Upper

105 100

120 29.6 21.9 32.9

77 13.4 12.1 18.1

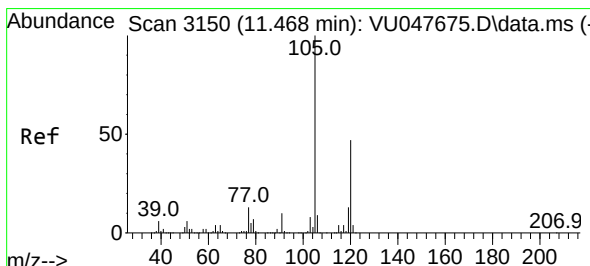
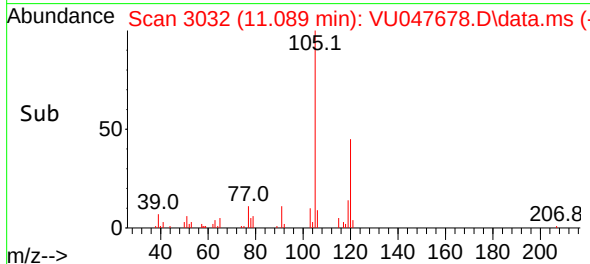
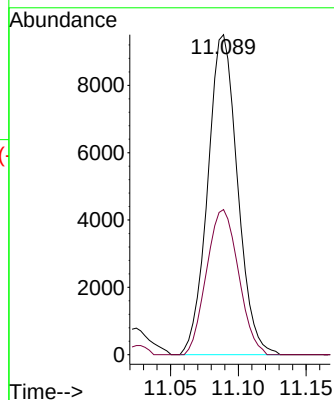
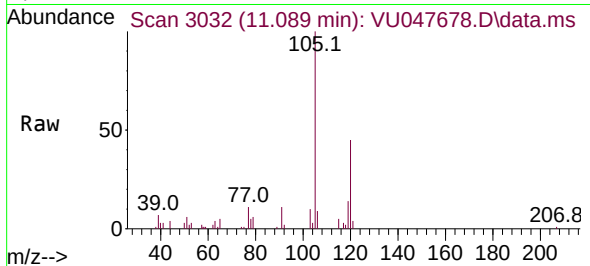




#62
 1,3,5-Trimethylbenzene
 Concen: 2.620 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU047678.D
 Acq: 25 Mar 2022 17:39

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Z4

Tgt Ion:105 Resp: 14548
 Ion Ratio Lower Upper
 105 100
 120 48.5 40.8 61.2



#63
 1,2,4-Trimethylbenzene
 Concen: 1.547 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU047678.D
 Acq: 25 Mar 2022 17:39

Tgt Ion:105 Resp: 13053
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.6 56.4

