

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047661.D
 Acq On : 25 Mar 2022 02:25
 Operator : SY/MD
 Sample : N2081-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 25 05:31:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:34:42 2022
 Response via : Initial Calibration

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

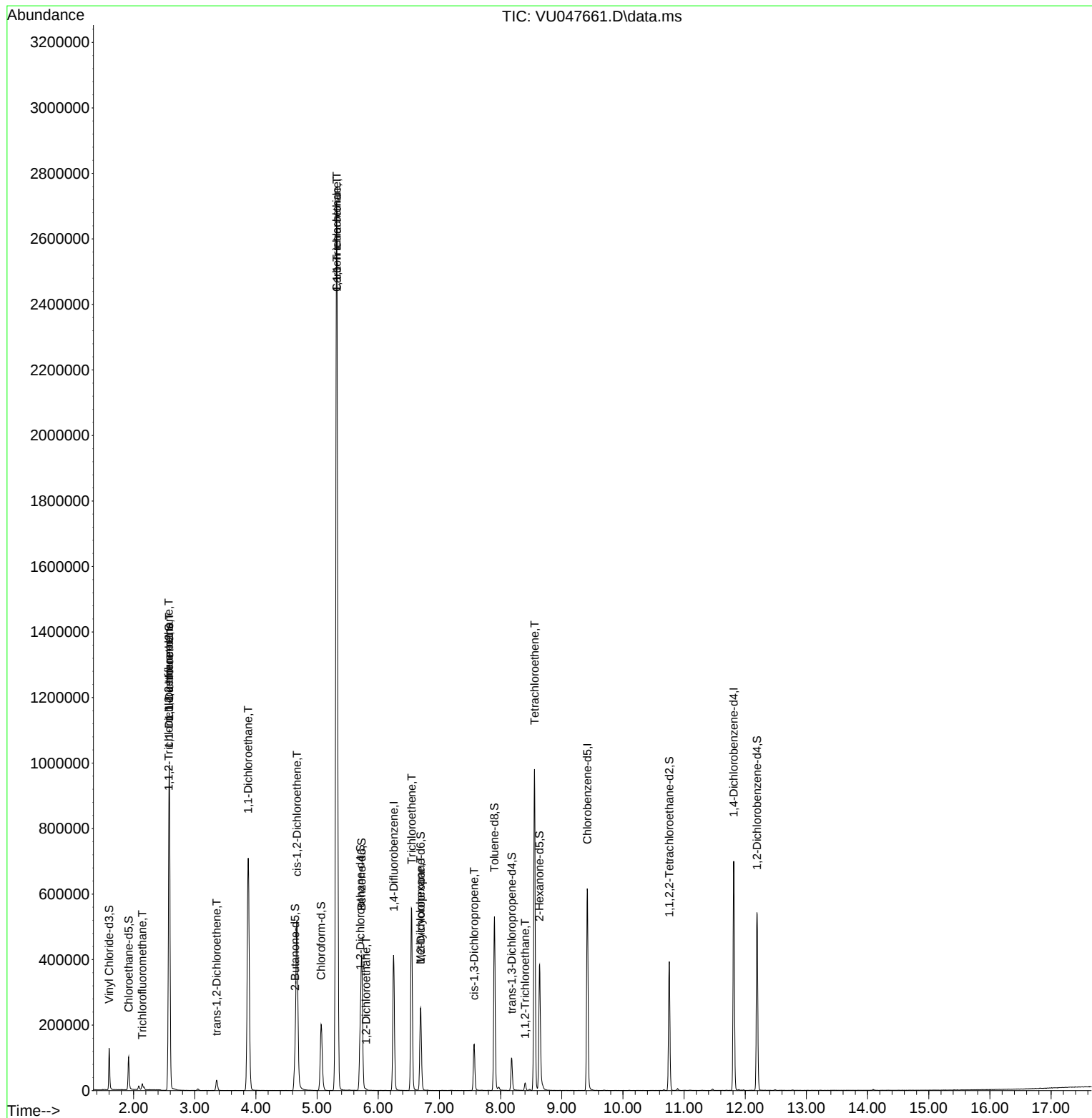
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	352810	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	364992	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	194176	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	93462	36.531	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.060%		
7) Chloroethane-d5	1.919	69	76260	37.802	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.600%		
11) 1,1-Dichloroethene-d2	2.578	63	293273	62.653	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	125.300%#		
21) 2-Butanone-d5	4.642	46	200254	91.191	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.190%		
24) Chloroform-d	5.066	84	185916	39.715	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.420%		
26) 1,2-Dichloroethane-d4	5.706	65	120719	42.046	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.100%		
32) Benzene-d6	5.729	84	383026	41.705	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.400%		
36) 1,2-Dichloropropane-d6	6.693	67	121172	42.960	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.920%		
41) Toluene-d8	7.899	98	357584	39.962	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.920%#		
43) trans-1,3-Dichloroprop...	8.182	79	55657	38.950	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.900%		
47) 2-Hexanone-d5	8.635	63	144223	87.347	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.350%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	192413	39.750	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.500%		
66) 1,2-Dichlorobenzene-d4	12.195	152	151569	43.875	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.740%		
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	10193	2.266	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	2048	0.788	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	309780	128.002	ug/L #	74
17) trans-1,2-Dichloroethene	3.359	96	13585	5.204	ug/L	93
19) 1,1-Dichloroethane	3.874	63	809678	179.851	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	255387	89.242	ug/L	95
27) 1,2-Dichloroethane	5.803	62	1988	0.531	ug/L #	87
30) 1,1,1-Trichloroethane	5.321	97	1943655	469.637	ug/L	99
31) Carbon tetrachloride	5.321	117	264761	70.845	ug/L	98
34) Trichloroethene	6.546	95	186471	67.324	ug/L	99
35) Methylcyclohexane	6.690	83	28340	6.726	ug/L #	21
39) cis-1,3-Dichloropropene	7.568	75	3366	0.808	ug/L #	58
45) 1,1,2-Trichloroethane	8.401	97	7059	2.478	ug/L	96
46) Tetrachloroethene	8.555	164	227575	91.431	ug/L	99

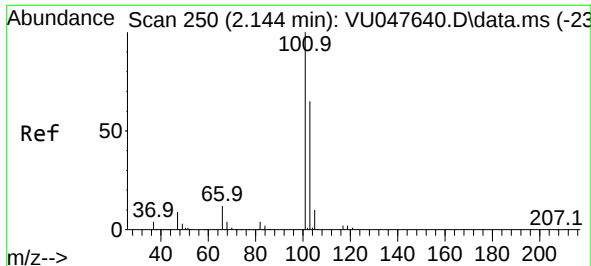
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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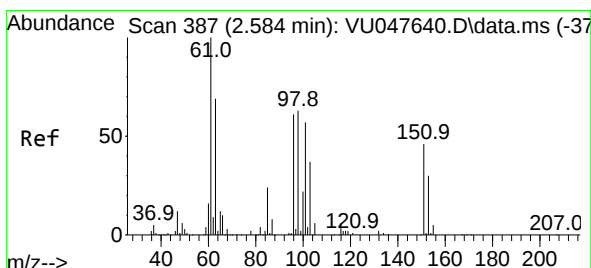
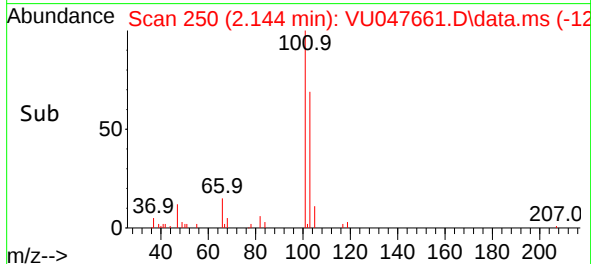
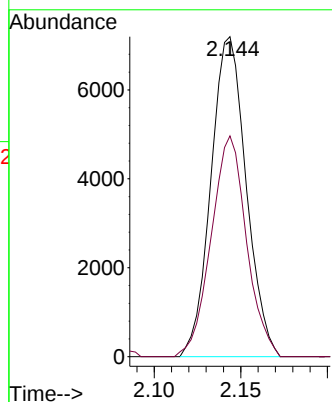
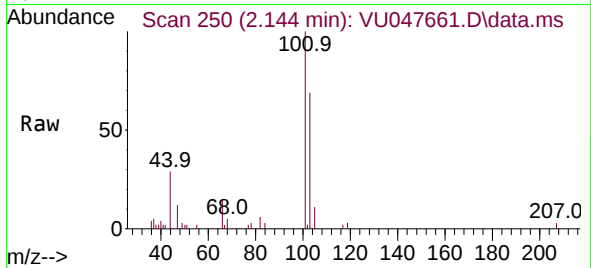




#9
 Trichlorofluoromethane
 Concen: 2.266 ug/L
 RT: 2.144 min Scan# 210
 Delta R.T. -0.000 min
 Lab File: VU047661.D
 Acq: 25 Mar 2022 02:25

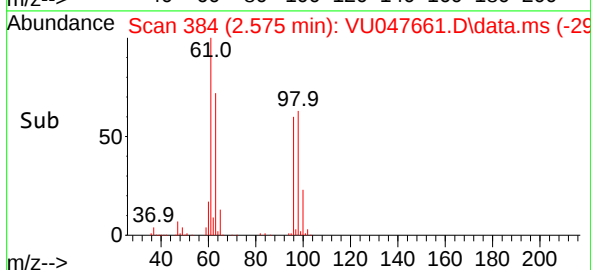
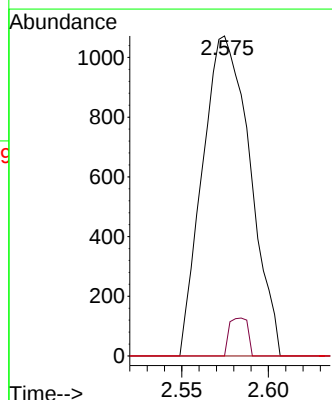
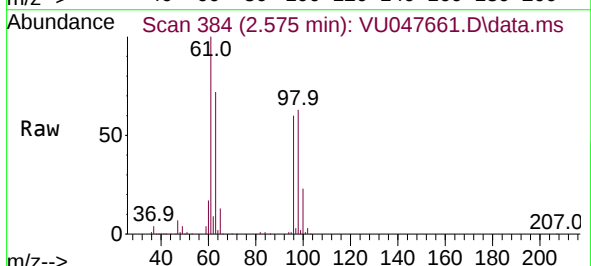
Instrument :
 MSVOA_U
 ClientSampleId :

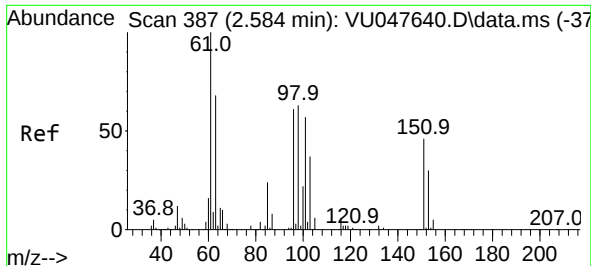
Tgt Ion:101 Resp: 10193
 Ion Ratio Lower Upper
 101 100
 103 69.1 51.4 77.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.788 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU047661.D
 Acq: 25 Mar 2022 02:25

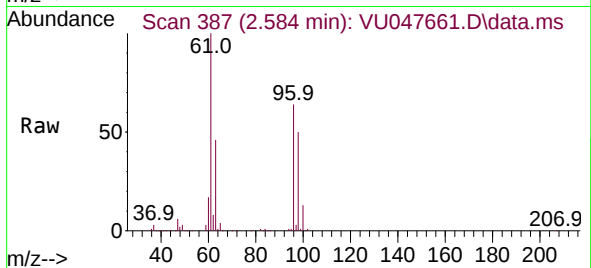
Tgt Ion:101 Resp: 2048
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



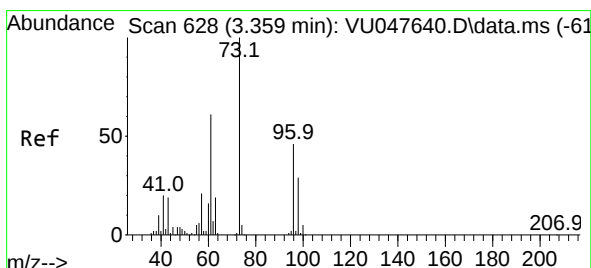
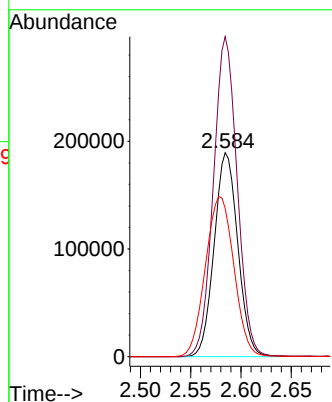
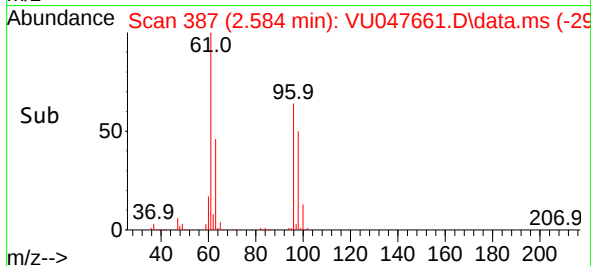


#12
1,1-Dichloroethene
Concen: 128.002 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU047661.D
Acq: 25 Mar 2022 02:25

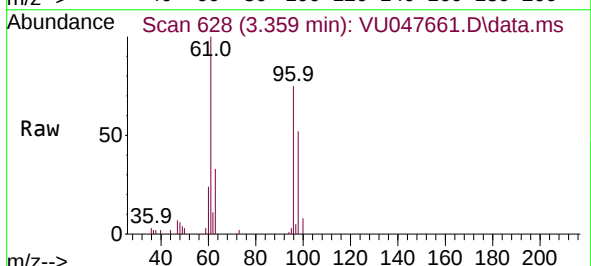
Instrument :
MSVOA_U
ClientSampleId :



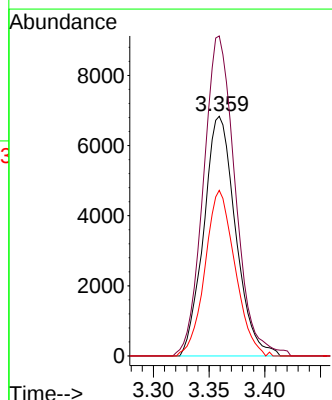
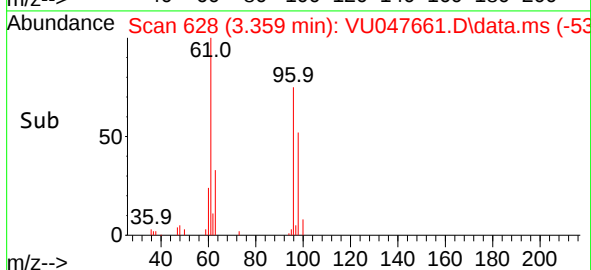
Tgt Ion: 96 Resp: 309780
Ion Ratio Lower Upper
96 100
61 156.9 113.1 210.1
63 72.7 94.8 176.0#

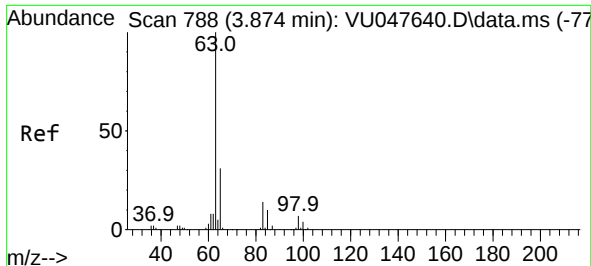


#17
trans-1,2-Dichloroethene
Concen: 5.204 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU047661.D
Acq: 25 Mar 2022 02:25



Tgt Ion: 96 Resp: 13585
Ion Ratio Lower Upper
96 100
61 133.5 88.4 164.2
98 69.1 43.3 80.5





#19

1,1-Dichloroethane

Concen: 179.851 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

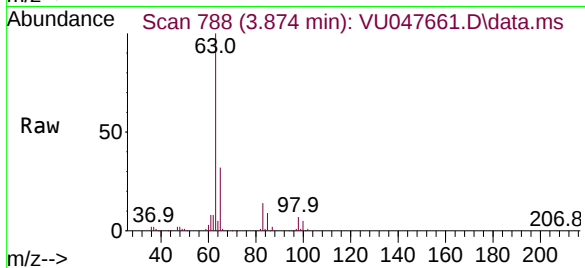
Lab File: VU047661.D

Acq: 25 Mar 2022 02:25

Instrument :

MSVOA_U

ClientSampleId :



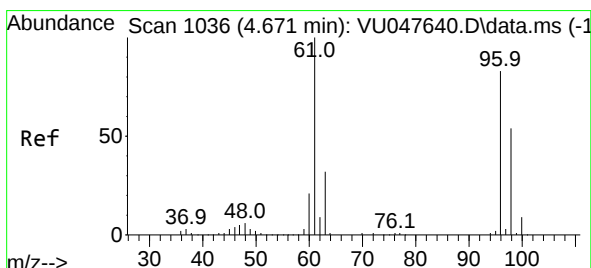
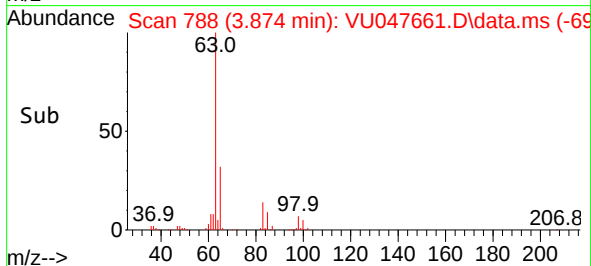
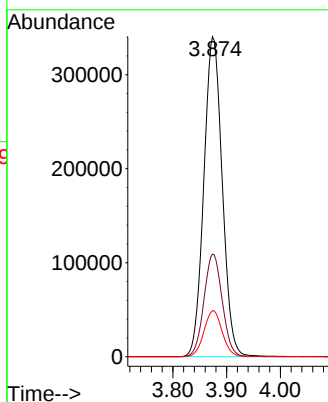
Tgt Ion: 63 Resp: 809678

Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

83 14.4 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 89.242 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047661.D

Acq: 25 Mar 2022 02:25

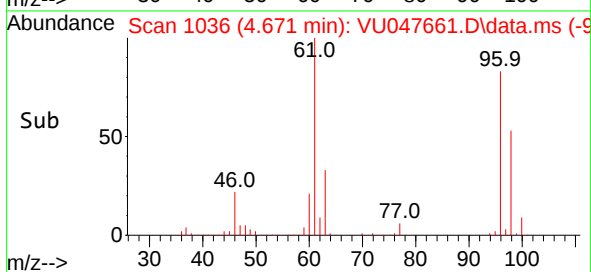
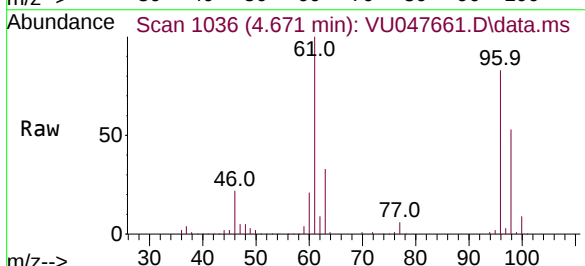
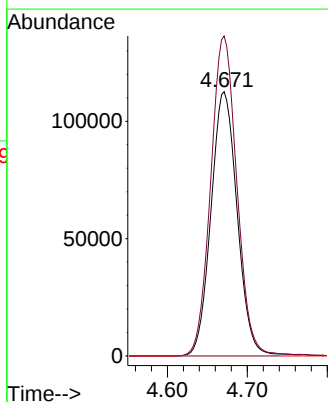
Tgt Ion: 96 Resp: 255387

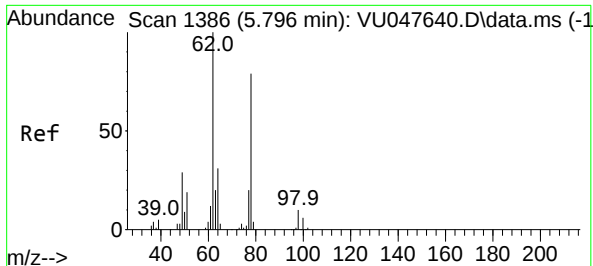
Ion Ratio Lower Upper

96 100

61 121.1 80.7 149.9

68 0.0 0.0 0.0

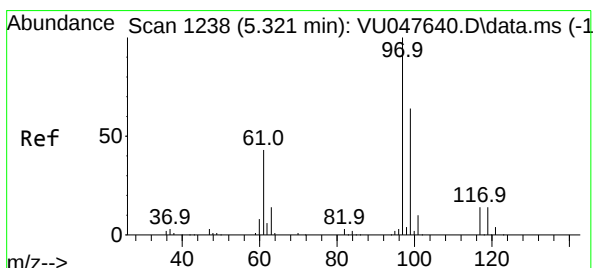
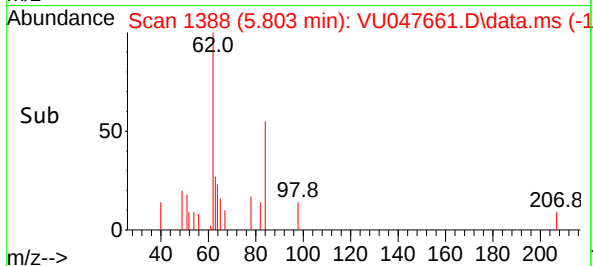
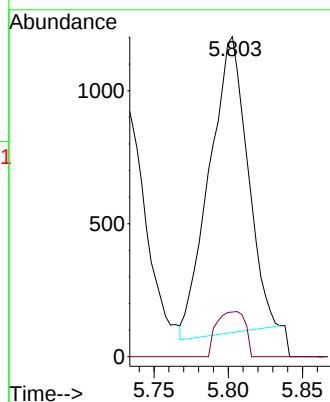
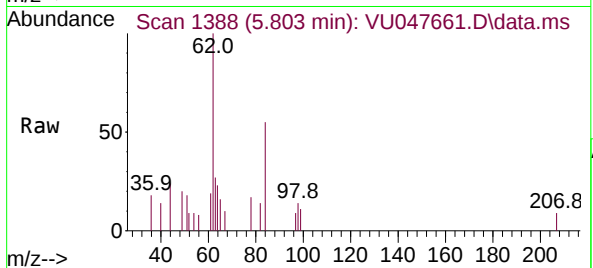




#27
1,2-Dichloroethane
Concen: 0.531 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VU047661.D
Acq: 25 Mar 2022 02:25

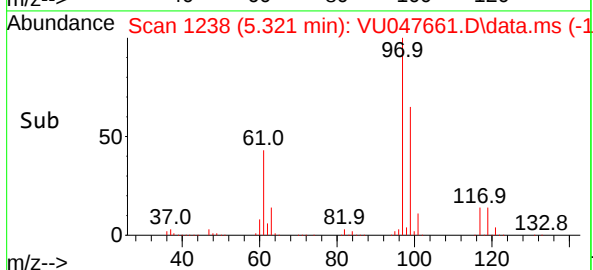
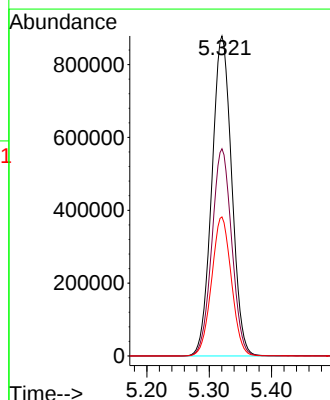
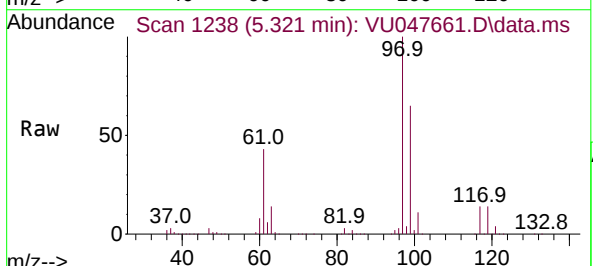
Instrument :
MSVOA_U
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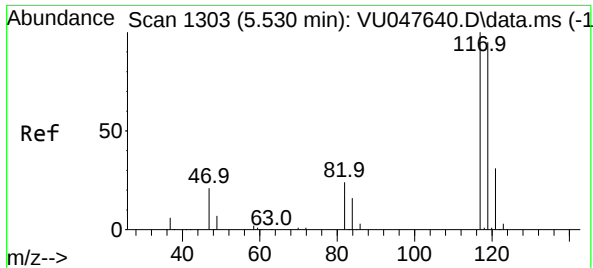
Tgt Ion: 62 Resp: 1988
Ion Ratio Lower Upper
62 100
98 14.0 7.4 11.0#



#30
1,1,1-Trichloroethane
Concen: 469.637 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU047661.D
Acq: 25 Mar 2022 02:25

Tgt Ion: 97 Resp: 1943655
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 43.3 34.2 51.4

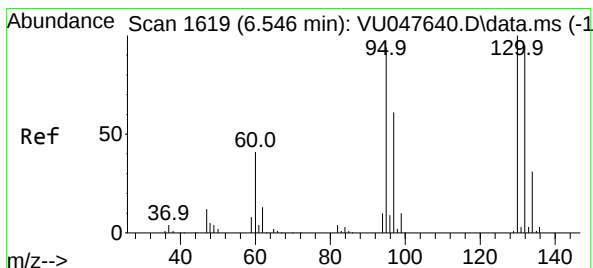
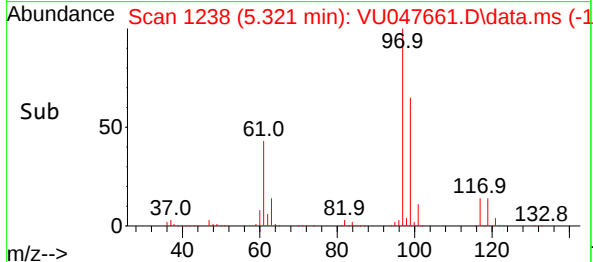
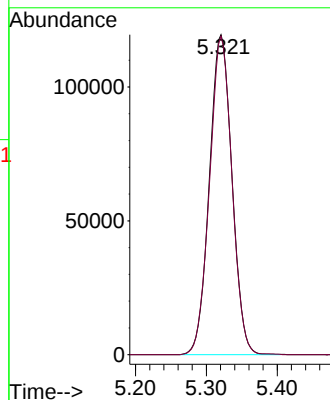
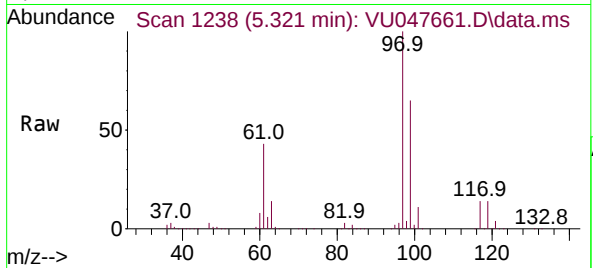




#31
Carbon tetrachloride
Concen: 70.845 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU047661.D
Acq: 25 Mar 2022 02:25

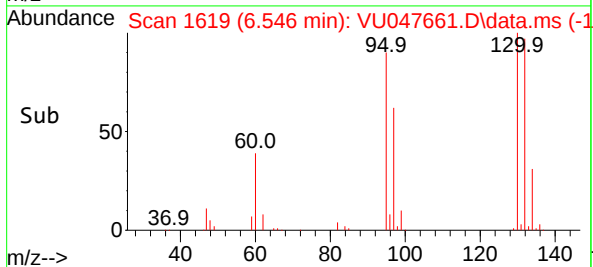
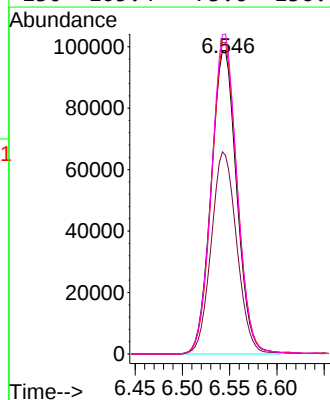
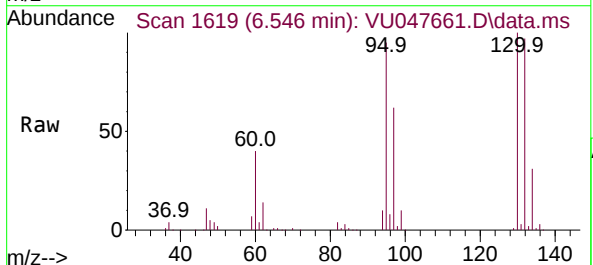
Instrument :
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ClientSampleId :

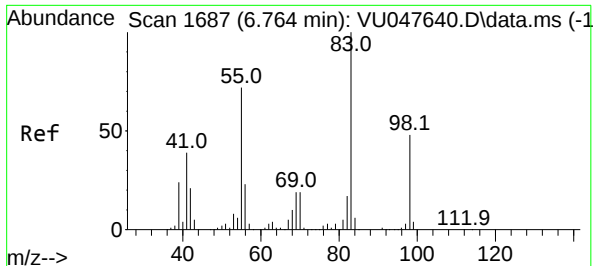
Tgt Ion:117 Resp: 264761
Ion Ratio Lower Upper
117 100
119 98.4 77.2 115.8



#34
Trichloroethene
Concen: 67.324 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047661.D
Acq: 25 Mar 2022 02:25

Tgt Ion: 95 Resp: 186471
Ion Ratio Lower Upper
95 100
97 65.4 44.7 82.9
132 102.7 70.4 130.8
130 105.4 73.6 136.8





#35

Methylcyclohexane

Concen: 6.726 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.074 min

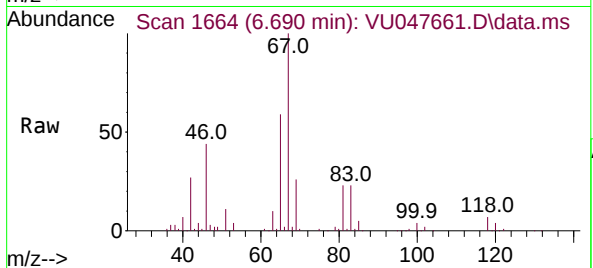
Lab File: VU047661.D

Acq: 25 Mar 2022 02:25

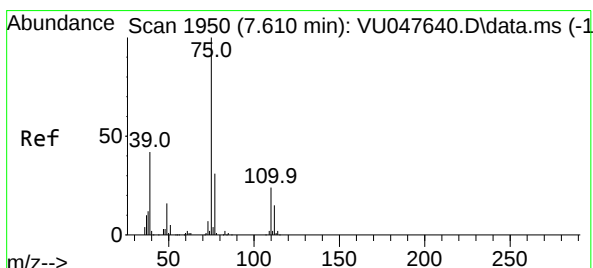
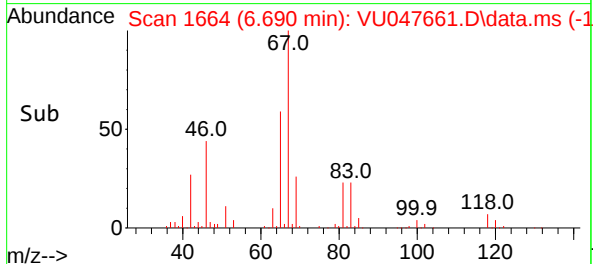
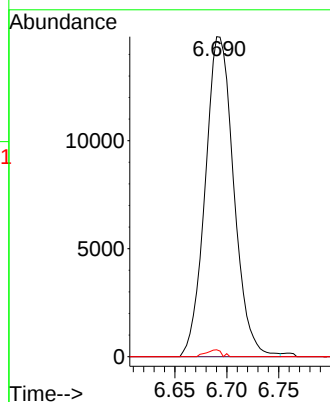
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	83	Resp:	28340
Ion Ratio	Lower	Upper	
83	100		
55	0.0	56.8	85.2#
98	1.1	38.1	57.1#



#39

cis-1,3-Dichloropropene

Concen: 0.808 ug/L

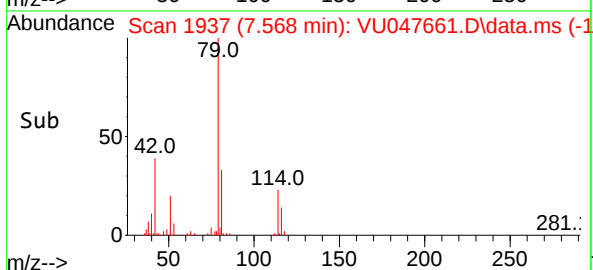
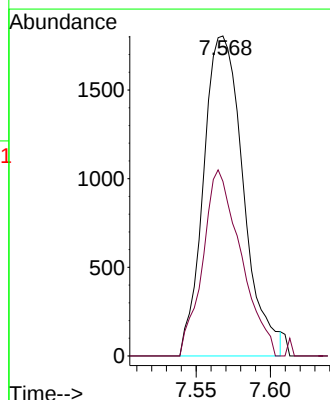
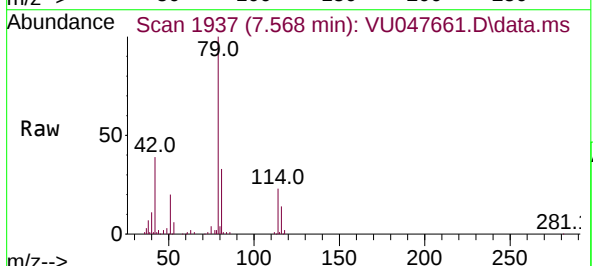
RT: 7.568 min Scan# 1937

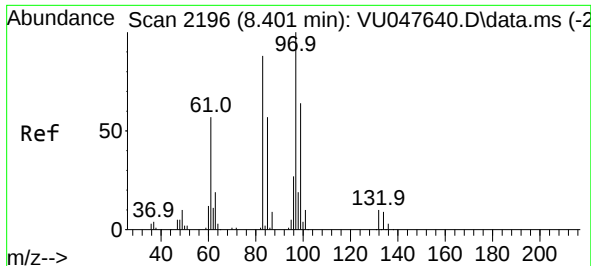
Delta R.T. -0.042 min

Lab File: VU047661.D

Acq: 25 Mar 2022 02:25

Tgt Ion:	75	Resp:	3366
Ion Ratio	Lower	Upper	
75	100		
77	54.6	21.8	40.6#

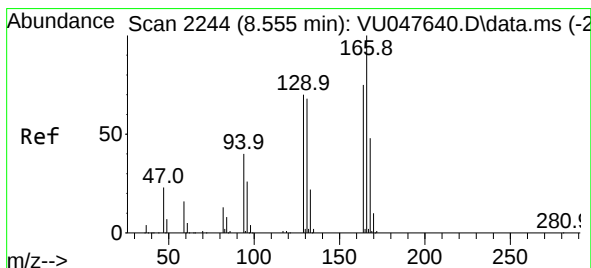
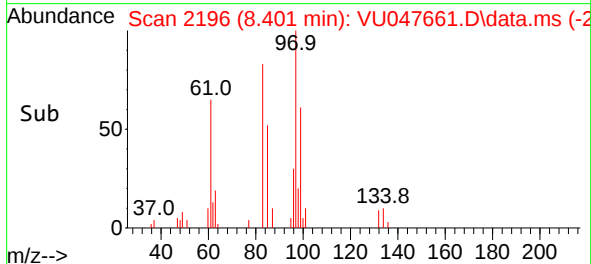
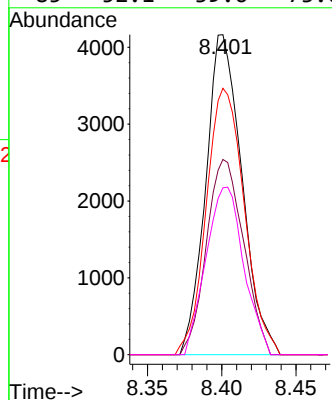
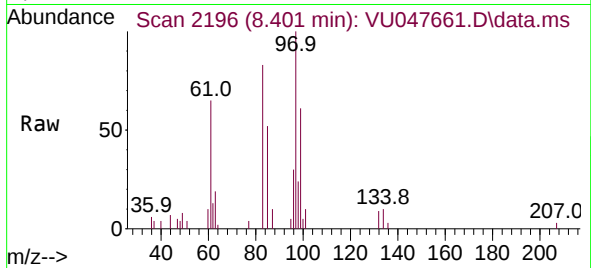




#45
1,1,2-Trichloroethane
Concen: 2.478 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU047661.D
Acq: 25 Mar 2022 02:25

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	97	Resp:	7059
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.3	80.3
83	83.3	61.0	113.4
85	52.1	39.6	73.6



#46
Tetrachloroethene
Concen: 91.431 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047661.D
Acq: 25 Mar 2022 02:25

Tgt Ion:	164	Resp:	227575
Ion	Ratio	Lower	Upper
164	100		
129	89.4	62.4	116.0
131	87.6	60.7	112.7
166	128.5	89.0	165.4

