

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047666.D
 Acq On : 25 Mar 2022 11:49
 Operator : SY/MD
 Sample : N2081-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y0

Quant Time: Mar 26 02:07:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:04:39 2022
 Response via : Initial Calibration

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

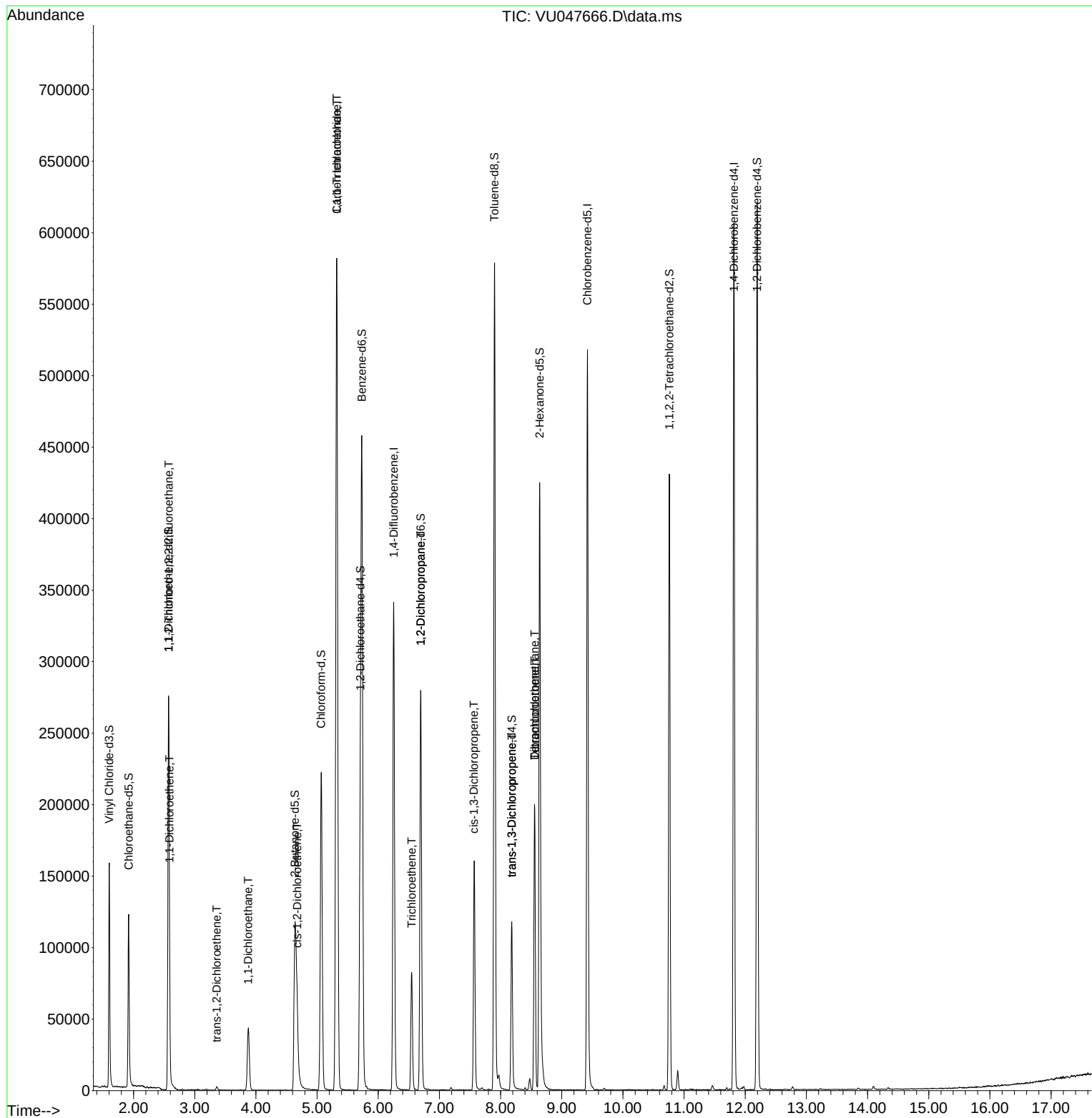
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	292204	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	306335	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	166710	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	114558	54.063	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.120%
7) Chloroethane-d5	1.919	69	91712	54.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.780%
11) 1,1-Dichloroethene-d2	2.571	63	159608	41.170	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.340%
21) 2-Butanone-d5	4.639	46	212261	116.707	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.710%
24) Chloroform-d	5.066	84	207551	53.532	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.060%
26) 1,2-Dichloroethane-d4	5.706	65	134454	56.543	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.080%
32) Benzene-d6	5.732	84	428653	55.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.220%
36) 1,2-Dichloropropane-d6	6.693	67	132948	56.161	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.320%
41) Toluene-d8	7.899	98	403010	53.662	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.320%
43) trans-1,3-Dichloroprop...	8.182	79	65021	54.215	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.440%
47) 2-Hexanone-d5	8.639	63	157185	113.425	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.430%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	212196	52.231	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.460%
66) 1,2-Dichlorobenzene-d4	12.195	152	172148	58.042	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.080%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1511	0.702	ug/L #	18
12) 1,1-Dichloroethene	2.587	96	8614	4.298	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	1175	0.543	ug/L	84
19) 1,1-Dichloroethane	3.874	63	50310	13.493	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	14608	6.163	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	418846	120.583	ug/L	99
31) Carbon tetrachloride	5.321	117	57715	18.401	ug/L	100
34) Trichloroethene	6.546	95	28570	12.290	ug/L	95
37) 1,2-Dichloropropane	6.693	63	14018	6.219	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	2308	0.660	ug/L #	55
44) trans-1,3-Dichloropropene	8.182	75	2855	0.818	ug/L	88
46) Tetrachloroethene	8.555	164	47657	22.813	ug/L	98
49) Dibromochloromethane	8.555	129	42250	15.259	ug/L #	11

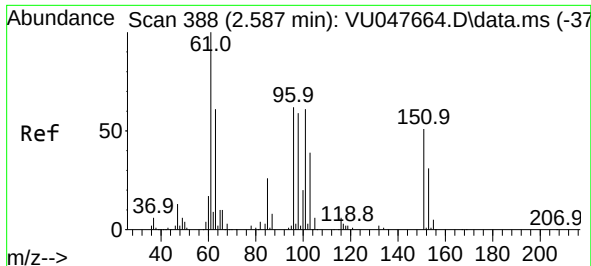
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.702 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU047666.D

Acq: 25 Mar 2022 11:49

Instrument :

MSVOA_U

ClientSampleId :

EW5Y0

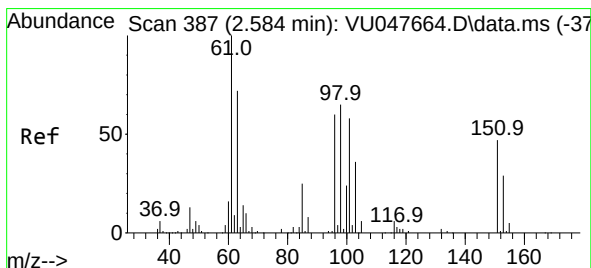
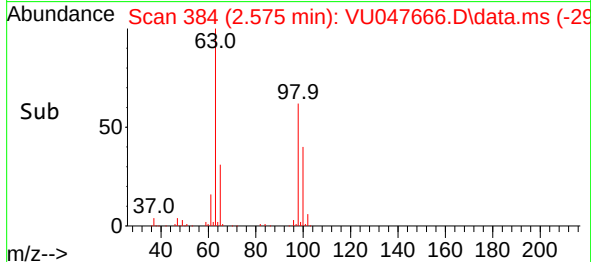
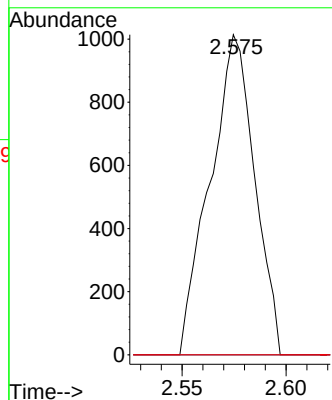
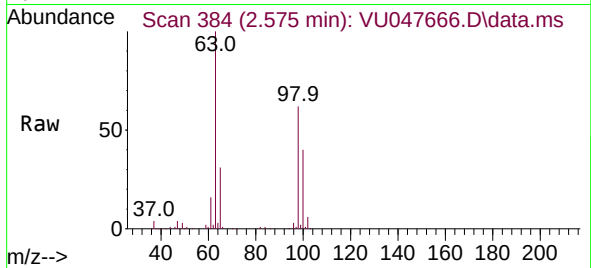
Tgt Ion:101 Resp: 1511

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: 4.298 ug/L

RT: 2.587 min Scan# 388

Delta R.T. 0.003 min

Lab File: VU047666.D

Acq: 25 Mar 2022 11:49

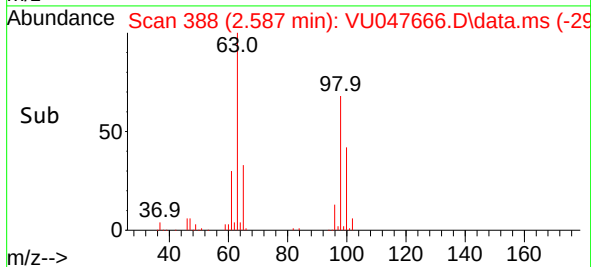
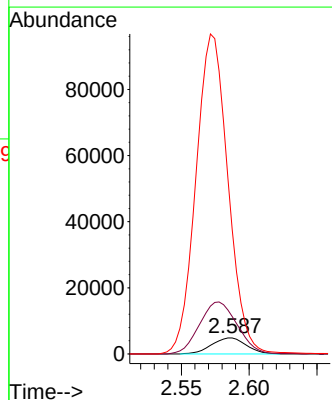
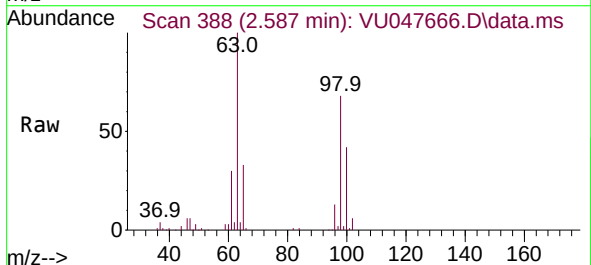
Tgt Ion: 96 Resp: 8614

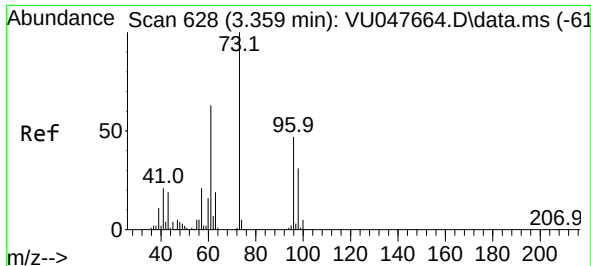
Ion Ratio Lower Upper

96 100

61 233.4 113.1 210.1#

63 775.9 94.8 176.0#

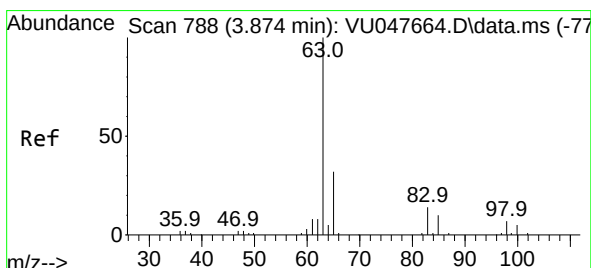
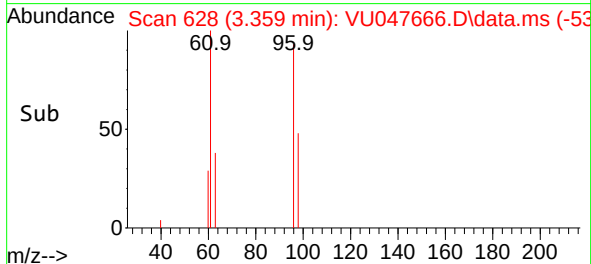
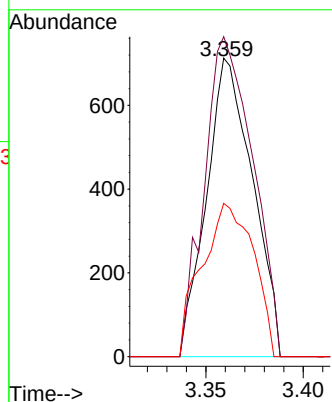
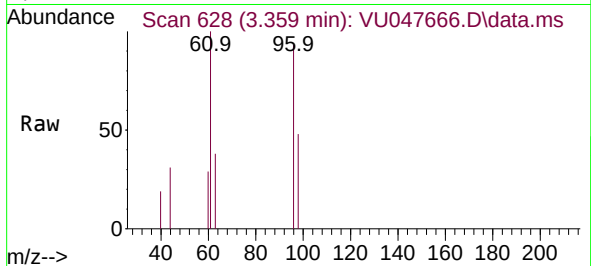




#17
trans-1,2-Dichloroethene
Concen: 0.543 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047666.D
Acq: 25 Mar 2022 11:49

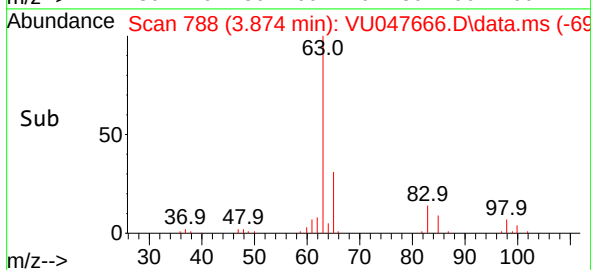
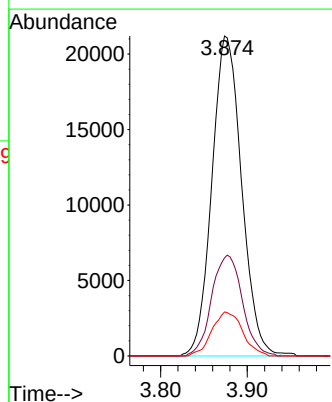
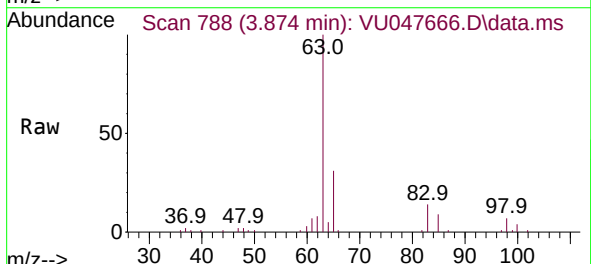
Instrument :
MSVOA_U
ClientSampleId :
EW5Y0

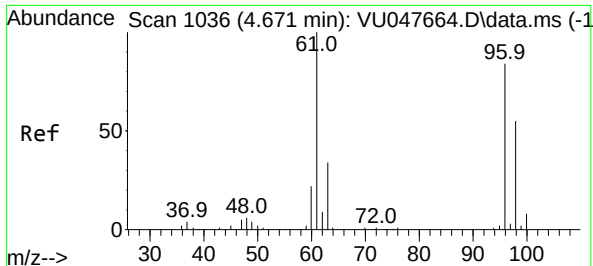
Tgt Ion: 96 Resp: 1175
Ion Ratio Lower Upper
96 100
61 107.2 88.4 164.2
98 51.3 43.3 80.5



#19
1,1-Dichloroethane
Concen: 13.493 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.000 min
Lab File: VU047666.D
Acq: 25 Mar 2022 11:49

Tgt Ion: 63 Resp: 50310
Ion Ratio Lower Upper
63 100
65 30.7 22.0 41.0
83 13.7 9.7 18.1





#20

cis-1,2-Dichloroethene

Concen: 6.163 ug/L

RT: 4.674 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU047666.D

Acq: 25 Mar 2022 11:49

Instrument :

MSVOA_U

ClientSampleId :

EW5Y0

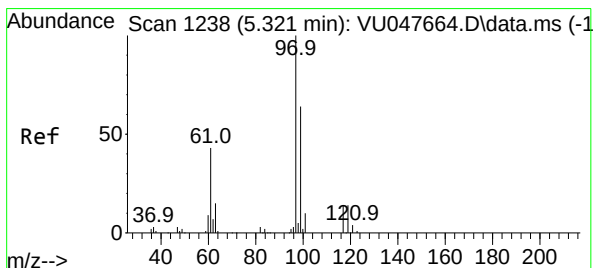
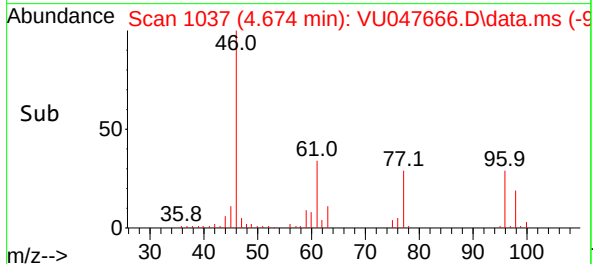
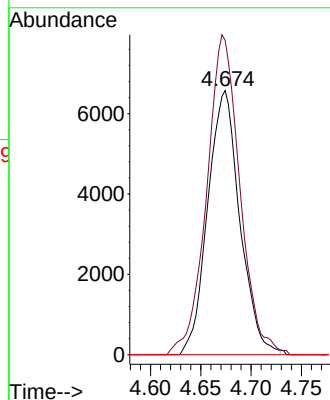
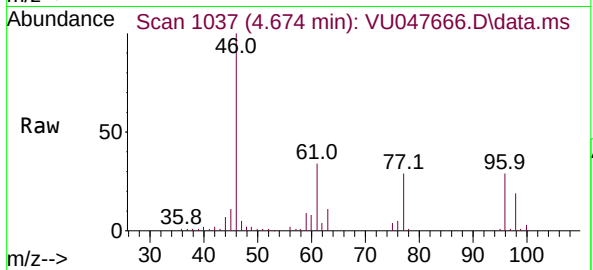
Tgt Ion: 96 Resp: 14608

Ion Ratio Lower Upper

96 100

61 119.0 80.7 149.9

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 120.583 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047666.D

Acq: 25 Mar 2022 11:49

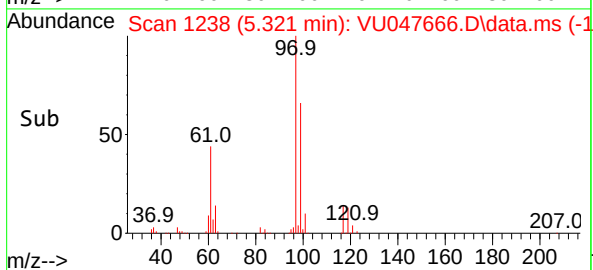
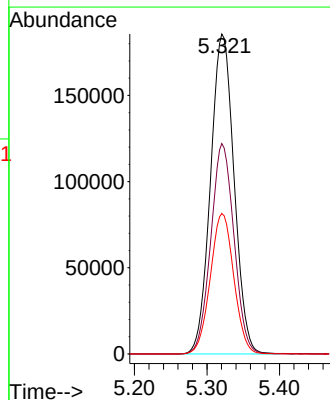
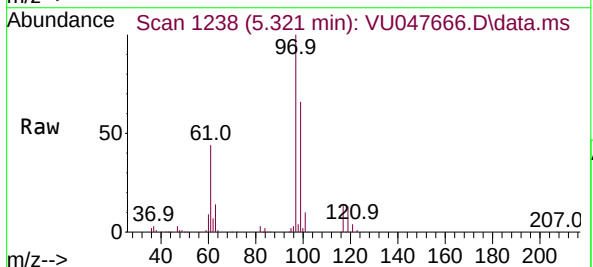
Tgt Ion: 97 Resp: 418846

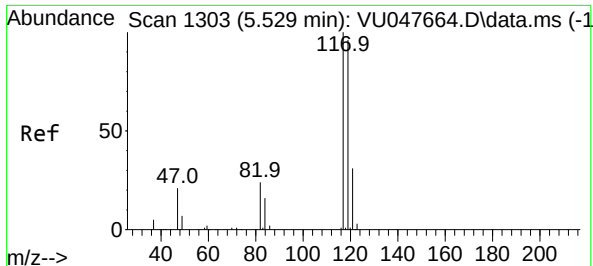
Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

61 43.8 34.2 51.4

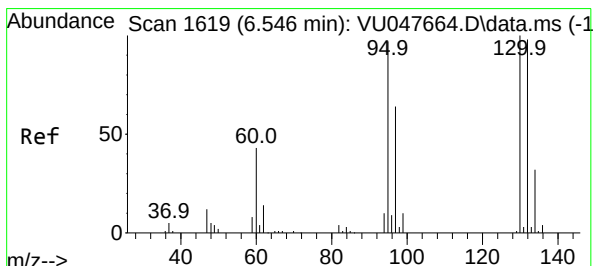
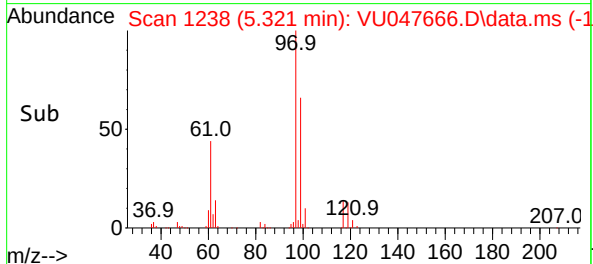
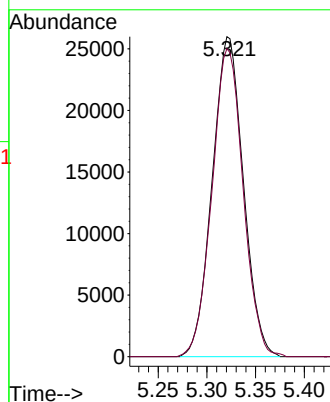
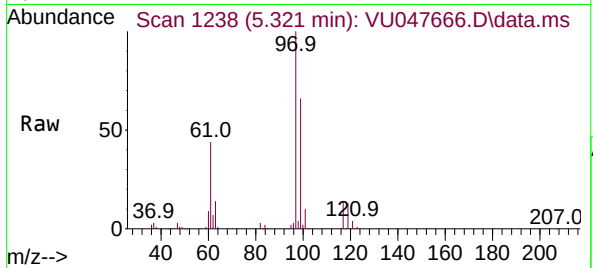




#31
Carbon tetrachloride
Concen: 18.401 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU047666.D
Acq: 25 Mar 2022 11:49

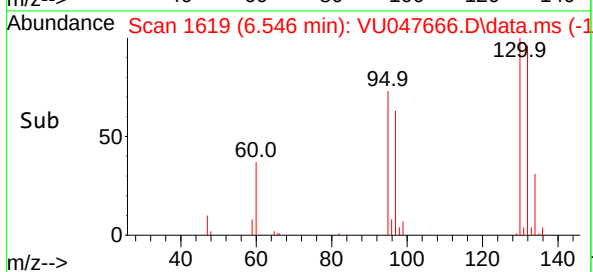
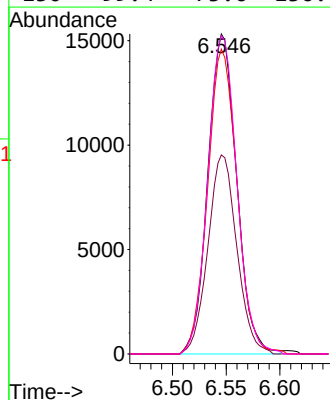
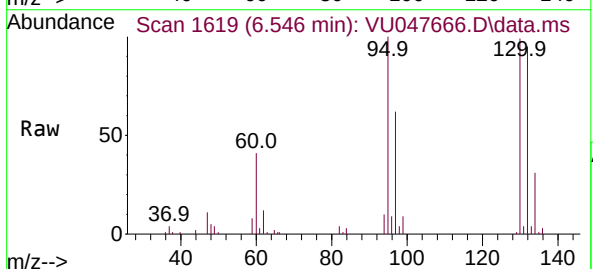
Instrument :
MSVOA_U
ClientSampleId :
EW5Y0

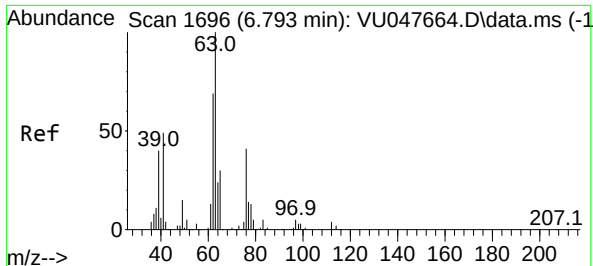
Tgt Ion:117 Resp: 57715
Ion Ratio Lower Upper
117 100
119 96.3 77.2 115.8



#34
Trichloroethene
Concen: 12.290 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047666.D
Acq: 25 Mar 2022 11:49

Tgt Ion: 95 Resp: 28570
Ion Ratio Lower Upper
95 100
97 62.2 44.7 82.9
132 95.3 70.4 130.8
130 99.4 73.6 136.8





#37

1,2-Dichloropropane

Concen: 6.219 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU047666.D

Acq: 25 Mar 2022 11:49

Instrument :

MSVOA_U

ClientSampleId :

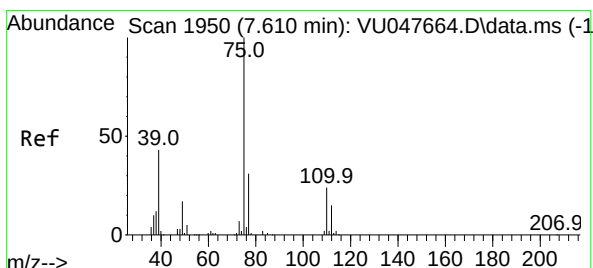
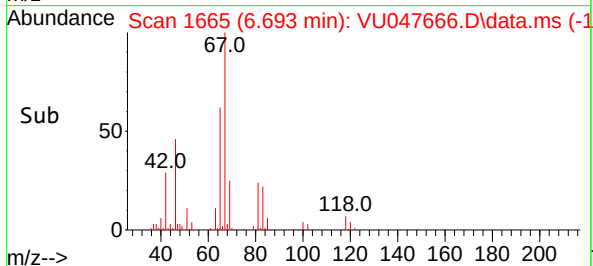
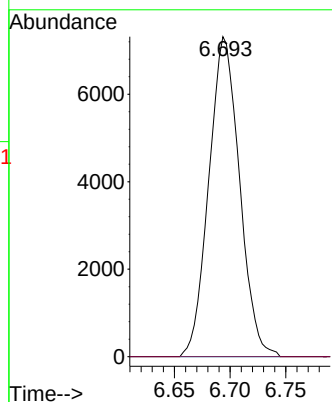
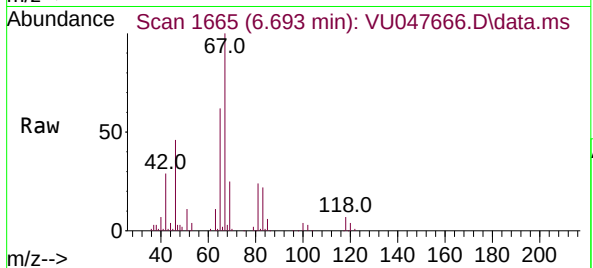
EW5Y0

Tgt Ion: 63 Resp: 14018

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.660 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU047666.D

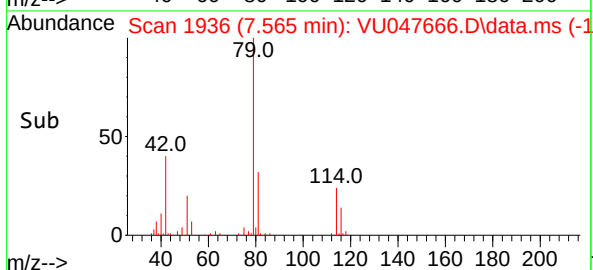
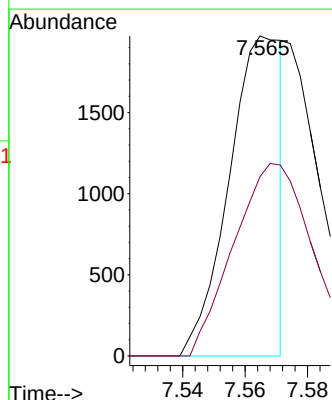
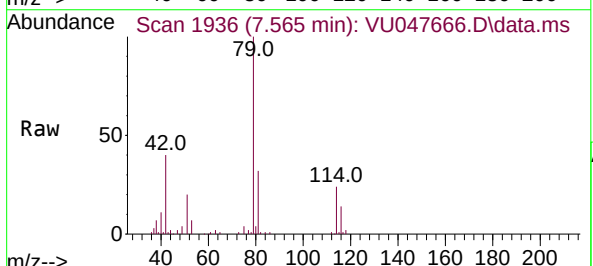
Acq: 25 Mar 2022 11:49

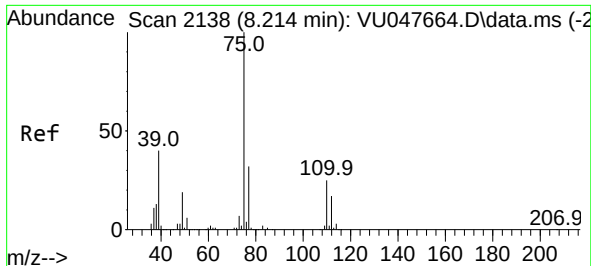
Tgt Ion: 75 Resp: 2308

Ion Ratio Lower Upper

75 100

77 56.0 21.8 40.6#

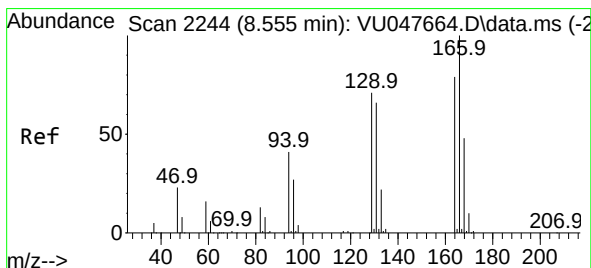
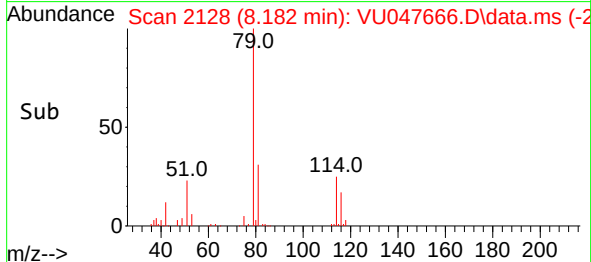
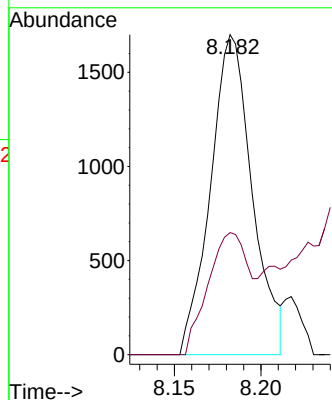
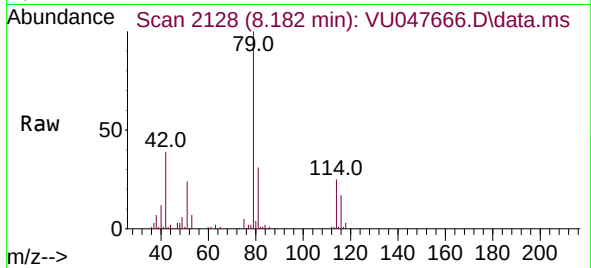




#44
trans-1,3-Dichloropropene
Concen: 0.818 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU047666.D
Acq: 25 Mar 2022 11:49

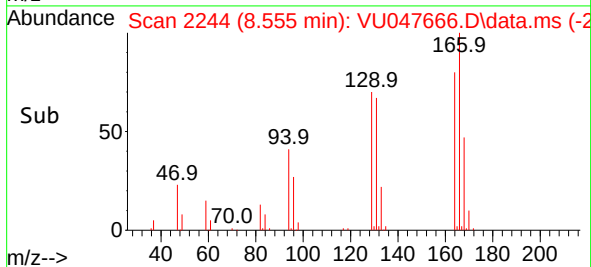
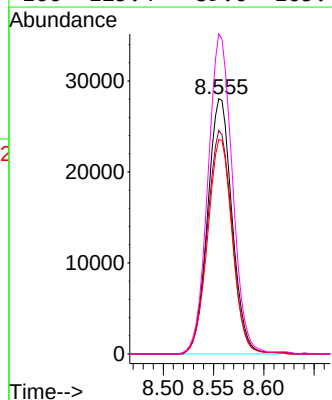
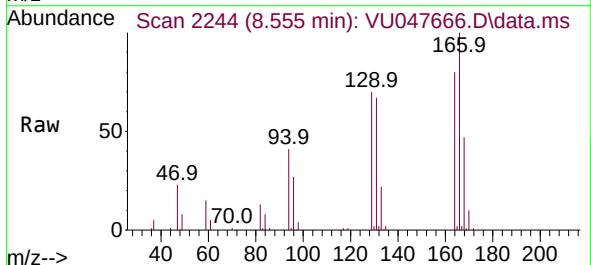
Instrument :
MSVOA_U
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EW5Y0

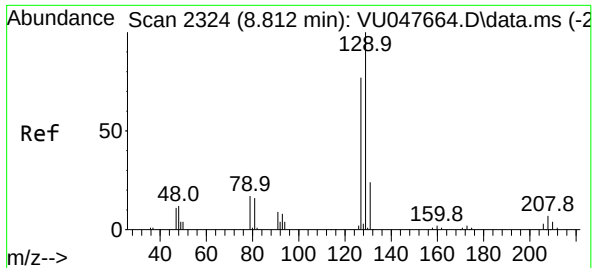
Tgt Ion: 75 Resp: 2855
Ion Ratio Lower Upper
75 100
77 38.2 22.0 40.8



#46
Tetrachloroethene
Concen: 22.813 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047666.D
Acq: 25 Mar 2022 11:49

Tgt Ion: 164 Resp: 47657
Ion Ratio Lower Upper
164 100
129 87.5 62.4 116.0
131 84.0 60.7 112.7
166 125.4 89.0 165.4





#49
 Dibromochloromethane
 Concen: 15.259 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. -0.257 min
 Lab File: VU047666.D
 Acq: 25 Mar 2022 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y0

Tgt Ion:129 Resp: 42250
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.2 100.6#

