

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032622\
 Data File : VU047702.D
 Acq On : 26 Mar 2022 12:41
 Operator : SY/MD
 Sample : N2082-17DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW619DL

Quant Time: Mar 28 05:07:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 28 05:05:44 2022
 Response via : Initial Calibration

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

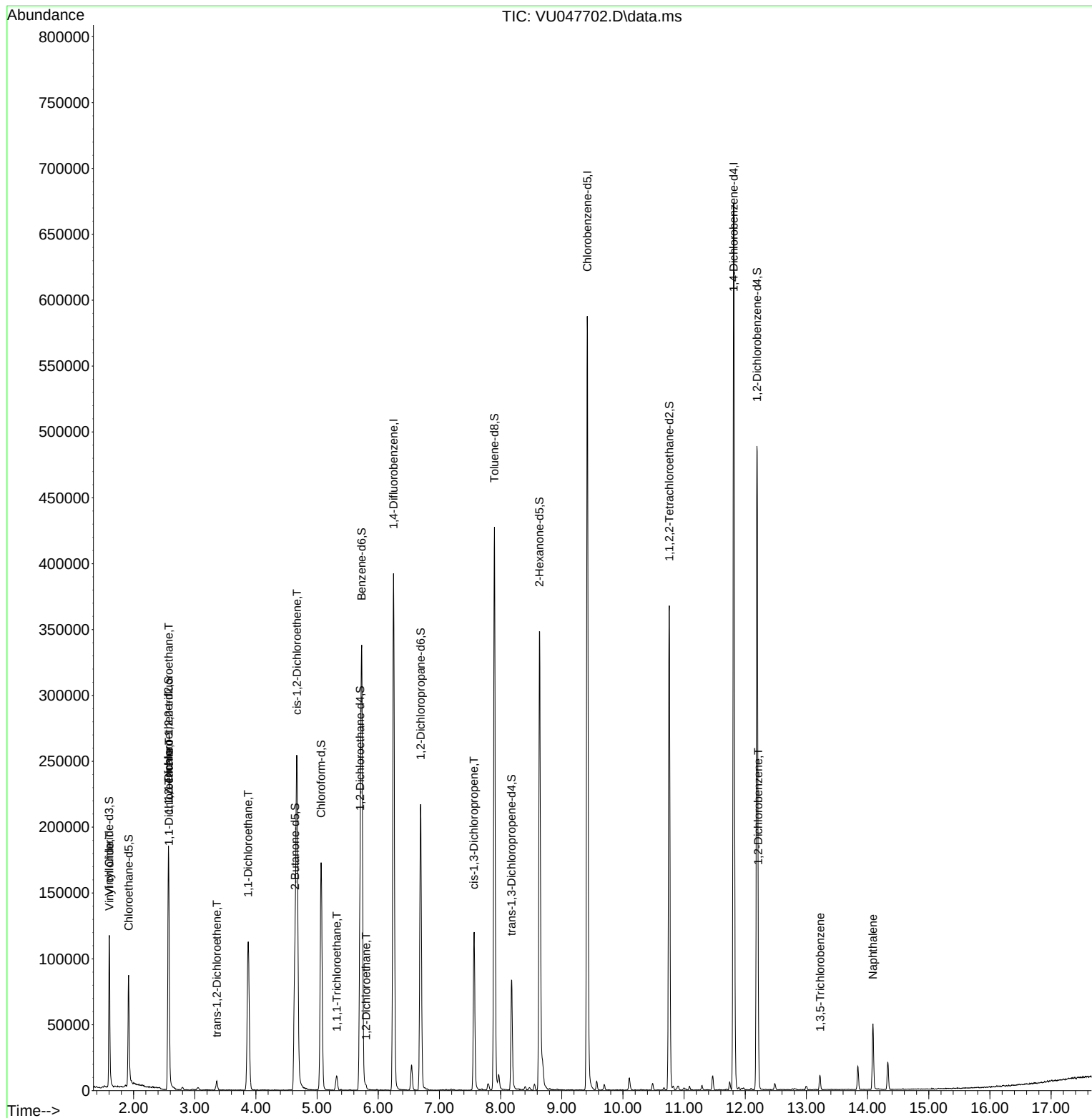
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	331451	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	342919	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	185907	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	71634	29.803	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	59.600%#		
7) Chloroethane-d5	1.919	69	64835	34.210	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery =	68.420%#		
11) 1,1-Dichloroethene-d2	2.572	63	106944	24.319	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	48.640%#		
21) 2-Butanone-d5	4.639	46	173303	84.004	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery =	84.000%		
24) Chloroform-d	5.067	84	160950	36.597	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	73.200%		
26) 1,2-Dichloroethane-d4	5.703	65	103666	38.433	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	76.860%		
32) Benzene-d6	5.729	84	312836	36.255	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	72.500%		
36) 1,2-Dichloropropane-d6	6.694	67	104923	39.594	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	79.180%		
41) Toluene-d8	7.899	98	287813	34.235	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	68.460%#		
43) trans-1,3-Dichloroprop...	8.179	79	48603	36.202	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	72.400%		
47) 2-Hexanone-d5	8.636	63	127554	82.224	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery =	82.220%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	181622	39.936	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery =	79.880%		
66) 1,2-Dichlorobenzene-d4	12.192	152	132738	40.133	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	80.260%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	17300	5.772	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1213	0.497	ug/L #	25
12) 1,1-Dichloroethene	2.578	96	1608	0.707	ug/L #	1
17) trans-1,2-Dichloroethene	3.363	96	3050	1.244	ug/L	93
19) 1,1-Dichloroethane	3.874	63	129403	30.596	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	120182	44.702	ug/L	95
27) 1,2-Dichloroethane	5.800	62	1616	0.459	ug/L #	75
30) 1,1,1-Trichloroethane	5.321	97	7593	1.953	ug/L	96
39) cis-1,3-Dichloropropene	7.565	75	3055	0.780	ug/L #	61
67) 1,2-Dichlorobenzene	12.211	146	4615	0.826	ug/L	95
69) 1,3,5-Trichlorobenzene	13.224	180	4287	0.945	ug/L	95
71) Naphthalene	14.089	128	41487	3.503	ug/L	99

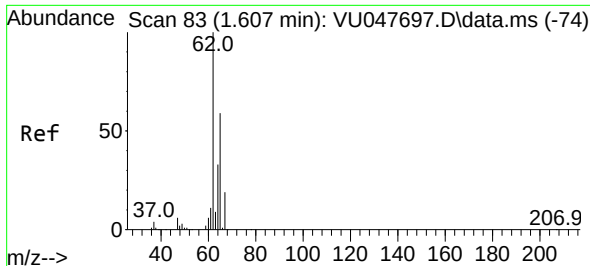
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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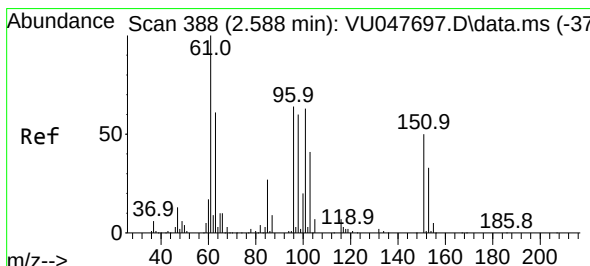
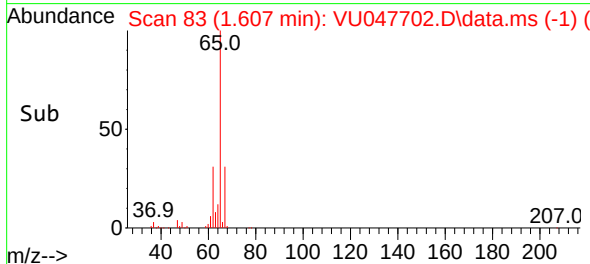
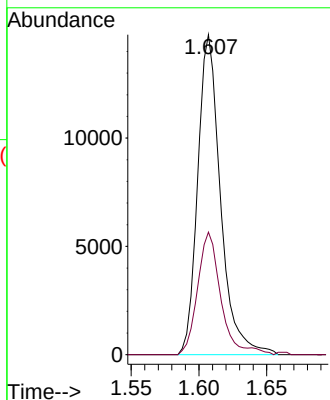
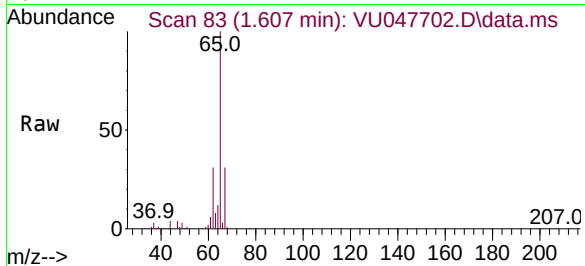




#5
 Vinyl chloride
 Concen: 5.772 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047702.D
 Acq: 26 Mar 2022 12:41

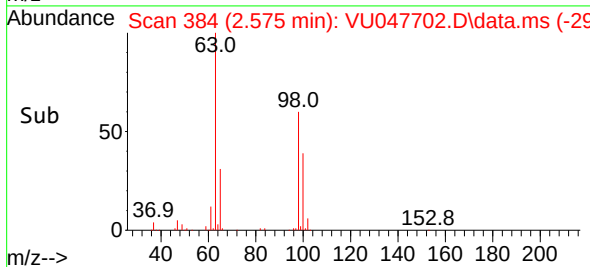
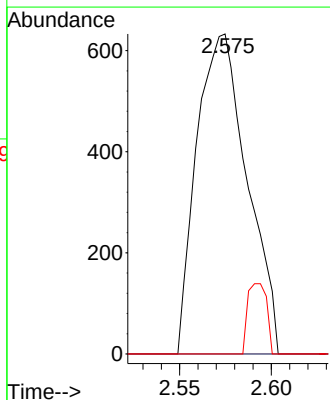
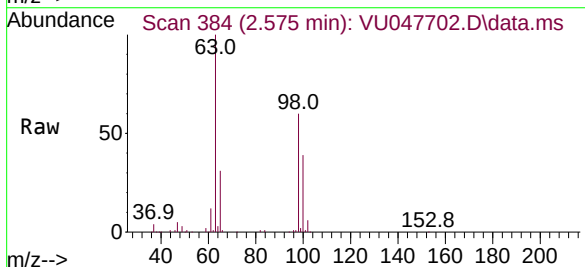
Instrument :
 MSVOA_U
 ClientSampleId :
 EW619DL

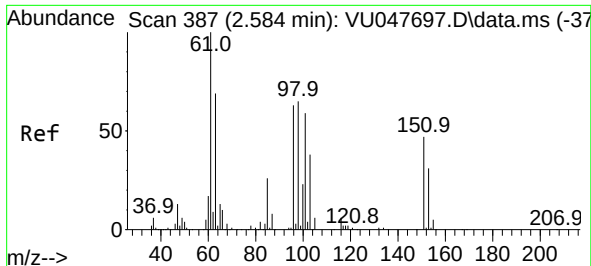
Tgt Ion: 62 Resp: 17300
 Ion Ratio Lower Upper
 62 100
 64 38.3 23.7 43.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.497 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU047702.D
 Acq: 26 Mar 2022 12:41

Tgt Ion: 101 Resp: 1213
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 8.2 63.0 94.6#





#12

1,1-Dichloroethene

Concen: 0.707 ug/L

RT: 2.578 min Scan# 3

Delta R.T. -0.006 min

Lab File: VU047702.D

Acq: 26 Mar 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

EW619DL

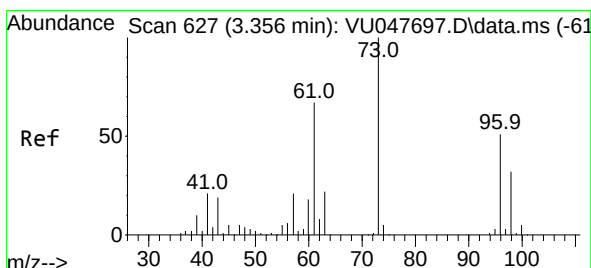
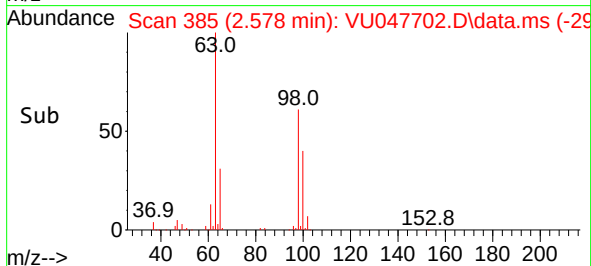
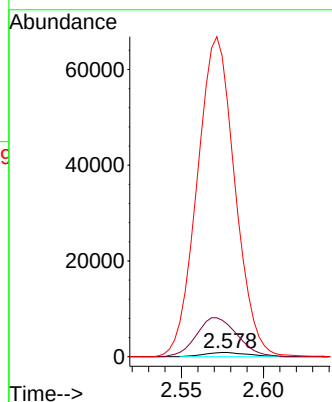
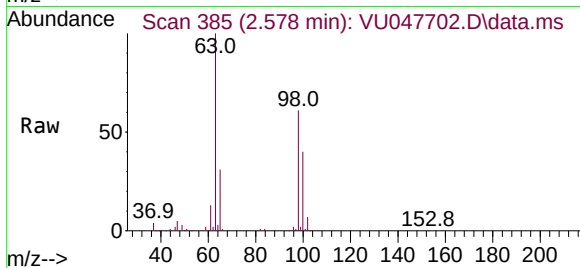
Tgt Ion: 96 Resp: 1608

Ion Ratio Lower Upper

96 100

61 783.8 113.1 210.1#

63 6170.4 94.8 176.0#



#17

trans-1,2-Dichloroethene

Concen: 1.244 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.006 min

Lab File: VU047702.D

Acq: 26 Mar 2022 12:41

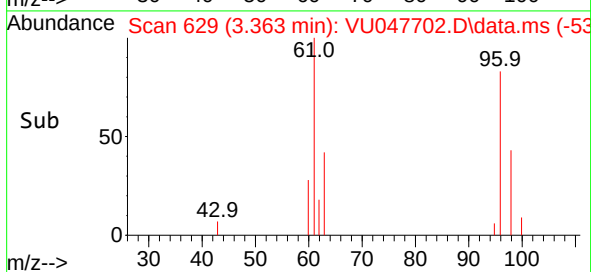
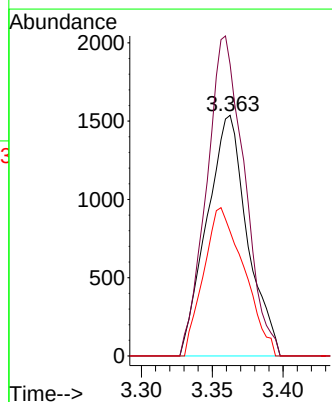
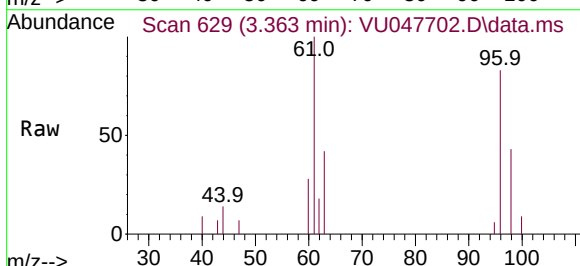
Tgt Ion: 96 Resp: 3050

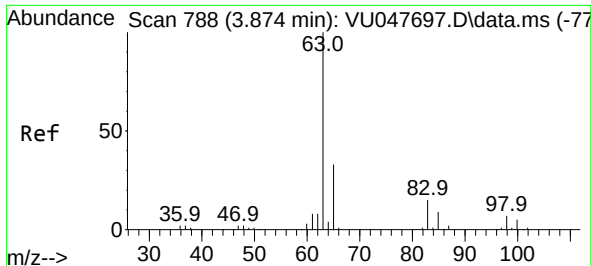
Ion Ratio Lower Upper

96 100

61 121.1 88.4 164.2

98 51.7 43.3 80.5





#19

1,1-Dichloroethane

Concen: 30.596 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047702.D

Acq: 26 Mar 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

EW619DL

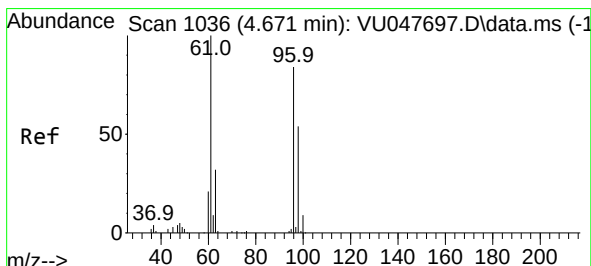
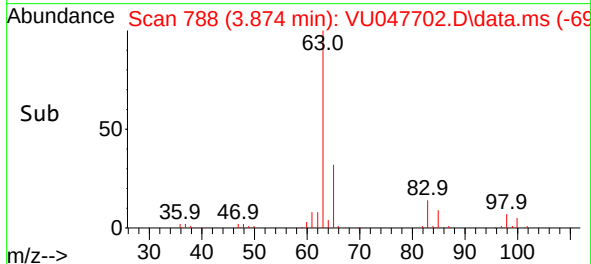
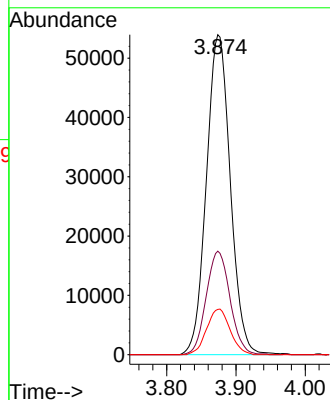
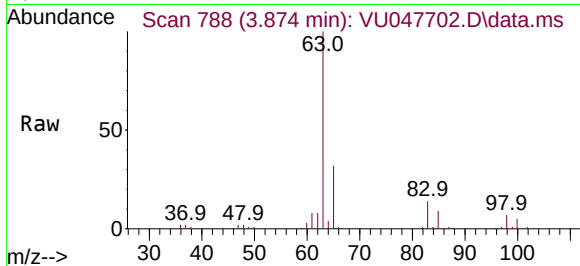
Tgt Ion: 63 Resp: 129403

Ion Ratio Lower Upper

63 100

65 32.4 22.0 41.0

83 14.2 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 44.702 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047702.D

Acq: 26 Mar 2022 12:41

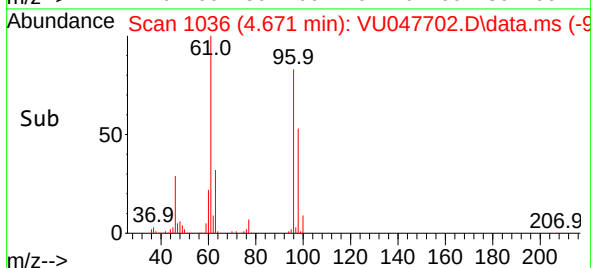
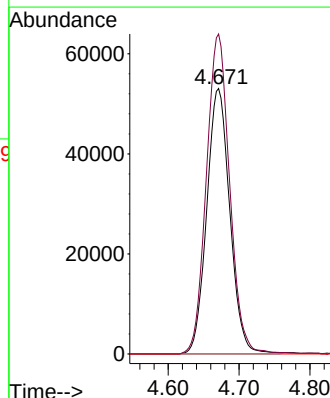
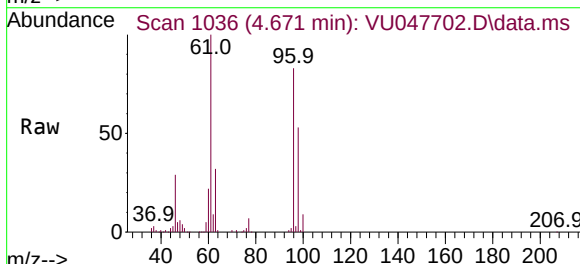
Tgt Ion: 96 Resp: 120182

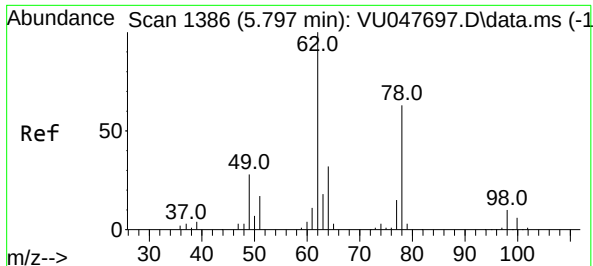
Ion Ratio Lower Upper

96 100

61 120.5 80.7 149.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.459 ug/L

RT: 5.800 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU047702.D

Acq: 26 Mar 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

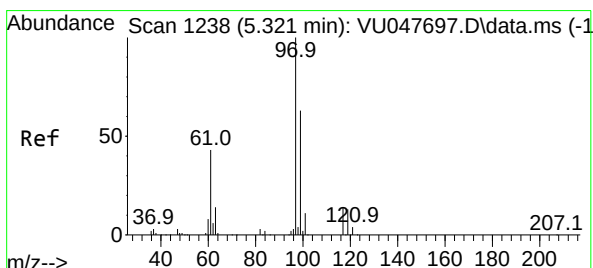
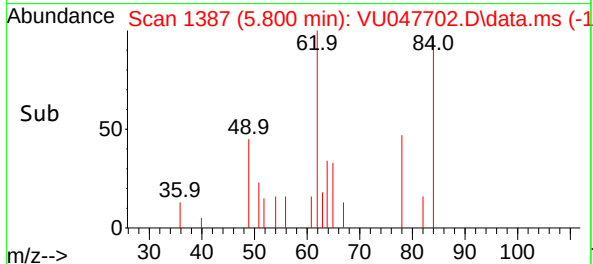
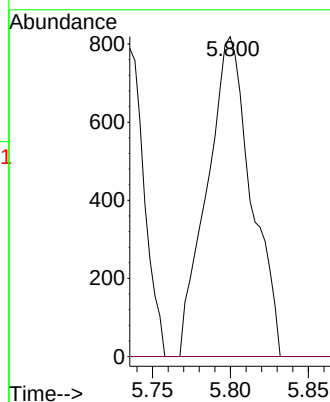
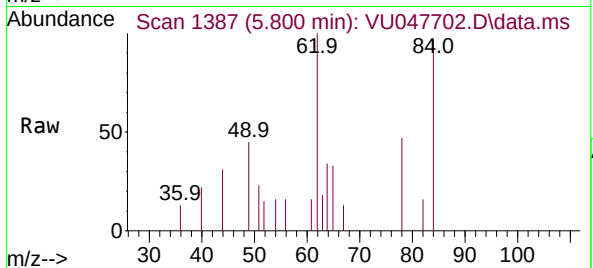
EW619DL

Tgt Ion: 62 Resp: 1616

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#30

1,1,1-Trichloroethane

Concen: 1.953 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047702.D

Acq: 26 Mar 2022 12:41

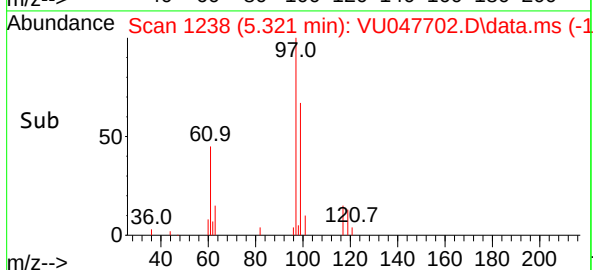
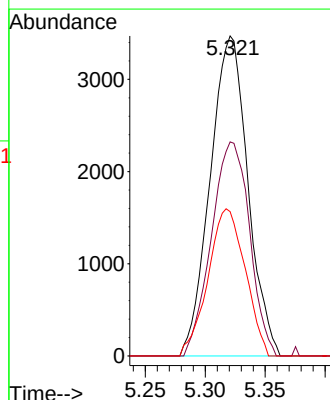
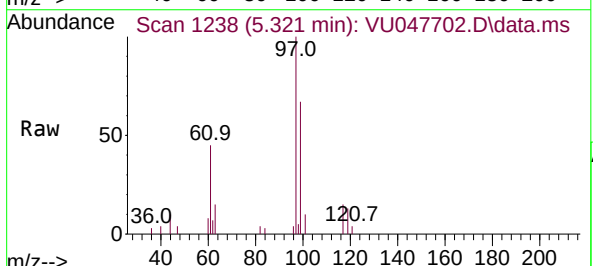
Tgt Ion: 97 Resp: 7593

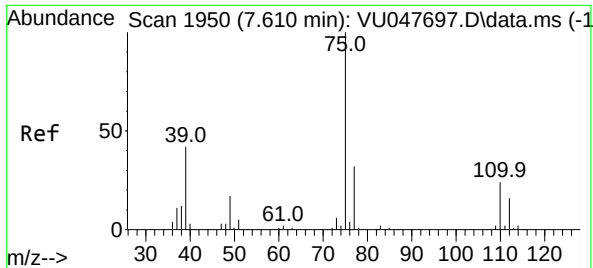
Ion Ratio Lower Upper

97 100

99 67.7 51.6 77.4

61 45.3 34.2 51.4





#39

cis-1,3-Dichloropropene

Concen: 0.780 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU047702.D

Acq: 26 Mar 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

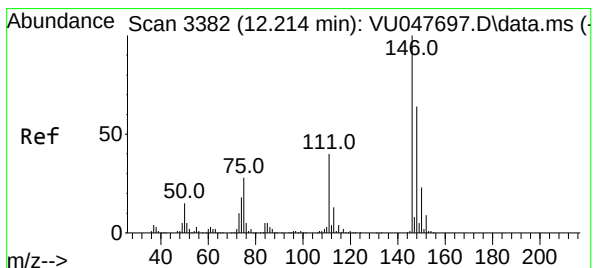
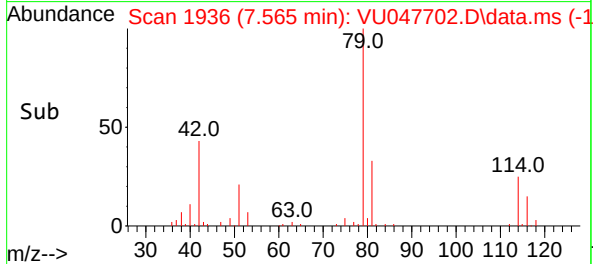
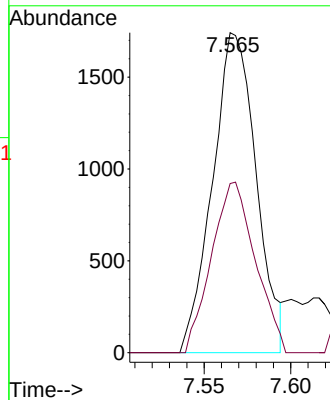
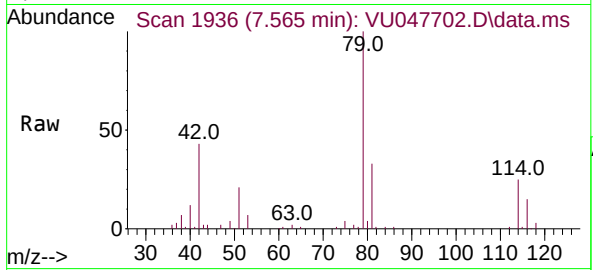
EW619DL

Tgt Ion: 75 Resp: 3055

Ion Ratio Lower Upper

75 100

77 52.9 21.8 40.6#



#67

1,2-Dichlorobenzene

Concen: 0.826 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.003 min

Lab File: VU047702.D

Acq: 26 Mar 2022 12:41

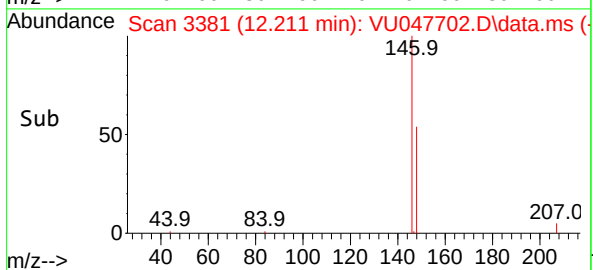
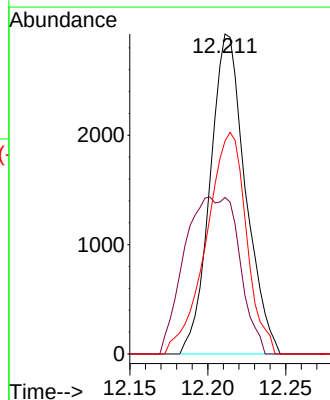
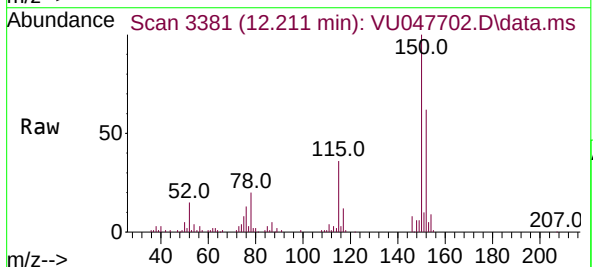
Tgt Ion:146 Resp: 4615

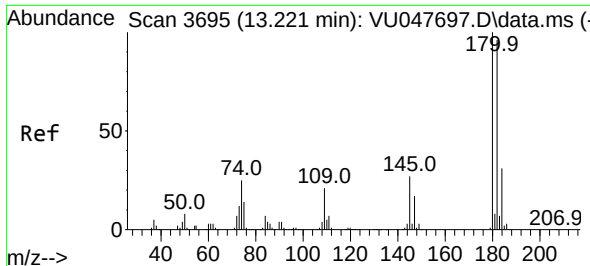
Ion Ratio Lower Upper

146 100

111 46.4 31.7 47.5

148 63.2 51.4 77.2

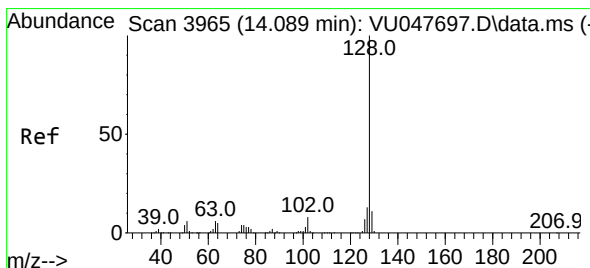
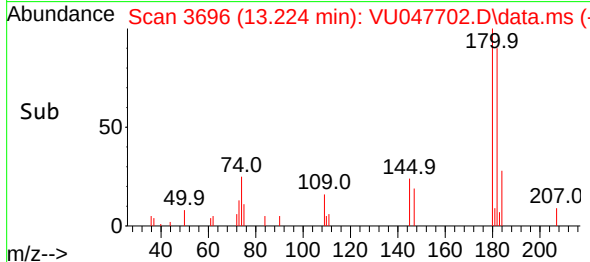
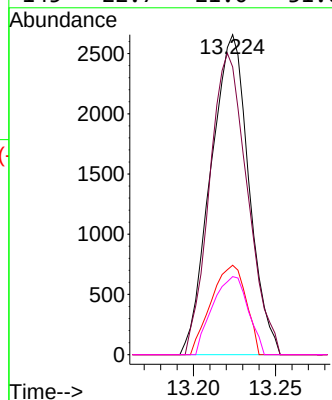
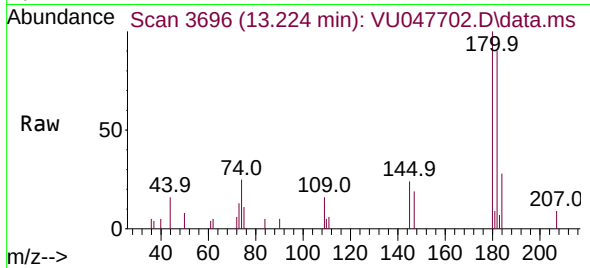




#69
 1,3,5-Trichlorobenzene
 Concen: 0.945 ug/L
 RT: 13.224 min Scan# 3096
 Delta R.T. 0.003 min
 Lab File: VU047702.D
 Acq: 26 Mar 2022 12:41

Instrument :
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Tgt Ion:	180	Resp:	4287
Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.0	115.6
184	25.6	24.5	36.7
145	22.7	21.0	31.6



#71
 Naphthalene
 Concen: 3.503 ug/L
 RT: 14.089 min Scan# 3965
 Delta R.T. 0.000 min
 Lab File: VU047702.D
 Acq: 26 Mar 2022 12:41

Tgt Ion:	128	Resp:	41487
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	10.8	8.8	13.2

