

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032622\
 Data File : VU047706.D
 Acq On : 26 Mar 2022 14:11
 Operator : SY/MD
 Sample : N2081-02DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X1DL

Quant Time: Mar 28 05:08:21 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)

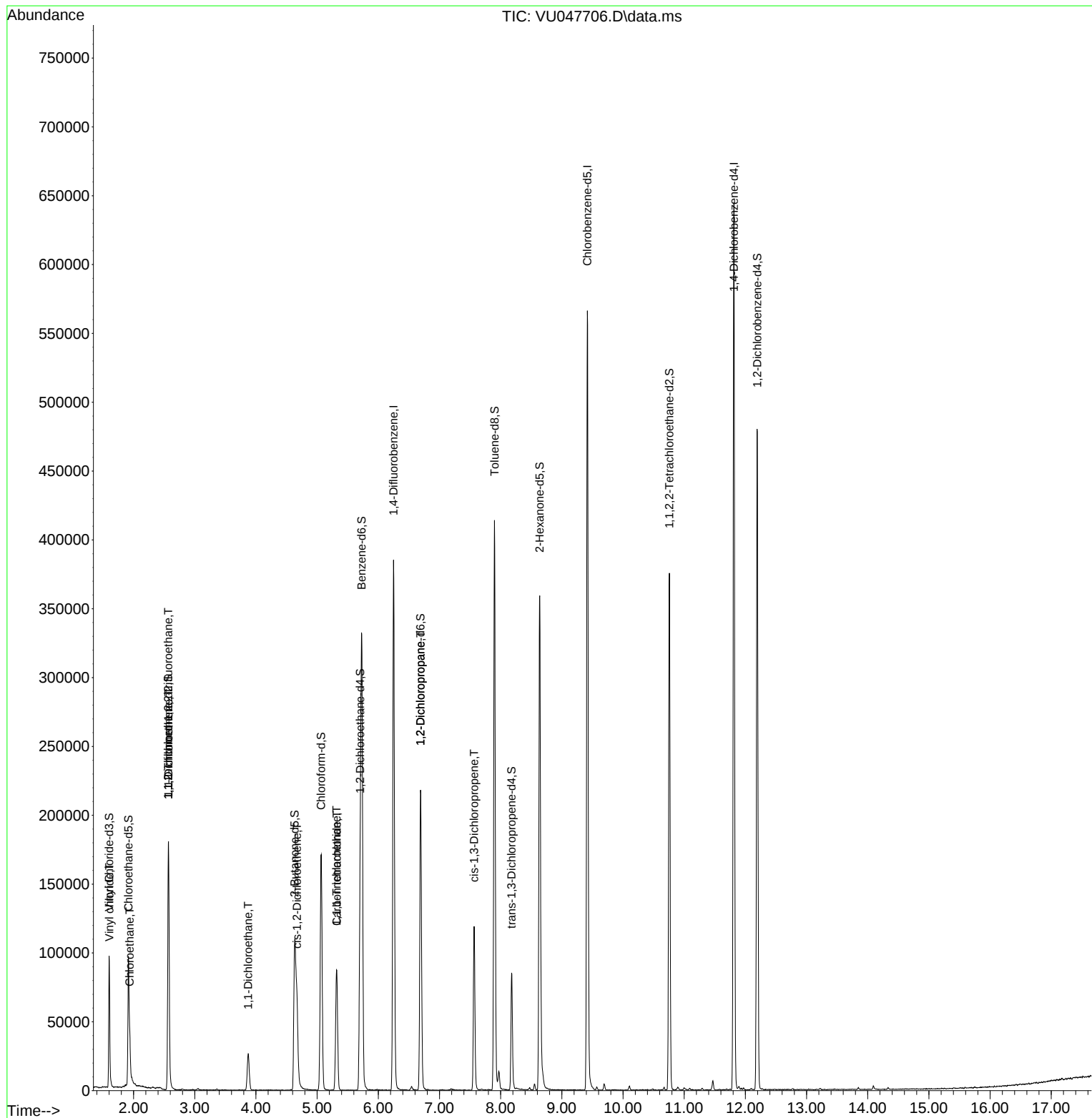
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	319166	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	328614	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	180158	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	71258	30.788	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	61.580%		
7) Chloroethane-d5	1.916	69	70594	38.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.360%		
11) 1,1-Dichloroethene-d2	2.568	63	104812	24.752	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	49.500%#		
21) 2-Butanone-d5	4.633	46	176405	88.799	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.800%		
24) Chloroform-d	5.067	84	160675	37.941	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.880%		
26) 1,2-Dichloroethane-d4	5.703	65	102456	39.447	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	78.900%		
32) Benzene-d6	5.729	84	312785	37.827	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.660%		
36) 1,2-Dichloropropane-d6	6.690	67	103805	40.877	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.760%		
41) Toluene-d8	7.899	98	281809	34.980	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	69.960%#		
43) trans-1,3-Dichloroprop...	8.179	79	47725	37.096	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.200%		
47) 2-Hexanone-d5	8.636	63	130474	87.767	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.770%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	181647	41.680	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.360%		
66) 1,2-Dichlorobenzene-d4	12.195	152	132580	41.364	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.720%		
Target Compounds						
5) Vinyl chloride	1.607	62	2461	0.853	ug/L #	65
8) Chloroethane	1.938	64	19134	10.561	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	884	0.376	ug/L #	22
12) 1,1-Dichloroethene	2.572	96	1602	0.732	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	30712	7.541	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	25047	9.675	ug/L	95
30) 1,1,1-Trichloroethane	5.318	97	63499	17.041	ug/L	98
31) Carbon tetrachloride	5.321	117	8339	2.478	ug/L	93
37) 1,2-Dichloropropane	6.690	63	11443	4.732	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	2911	0.776	ug/L #	55

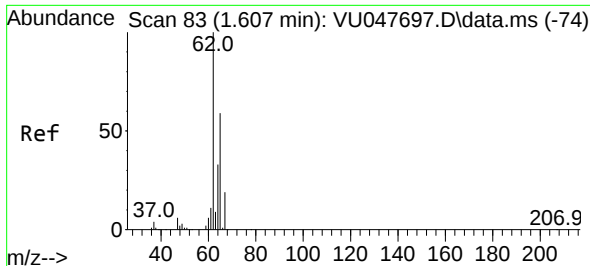
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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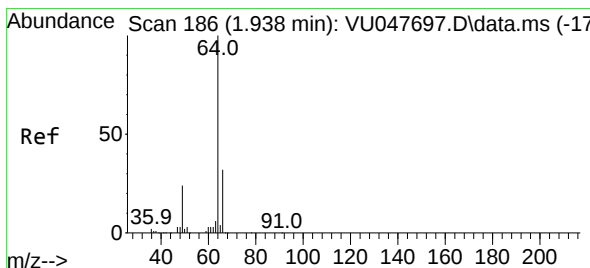
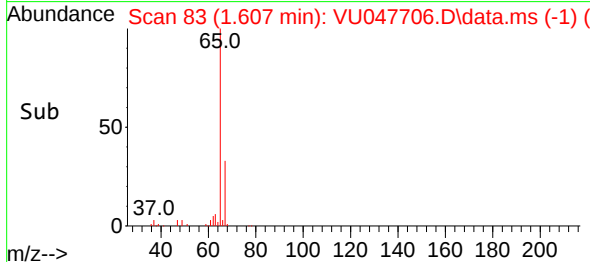
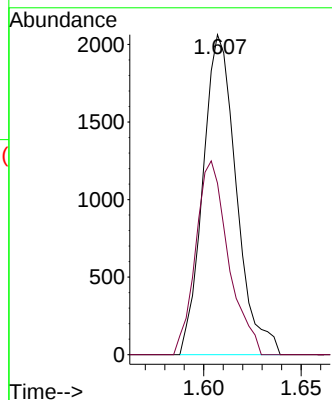
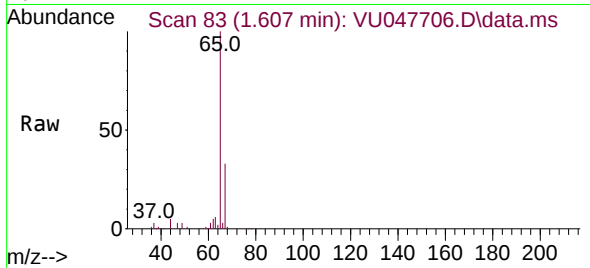




#5
 Vinyl chloride
 Concen: 0.853 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047706.D
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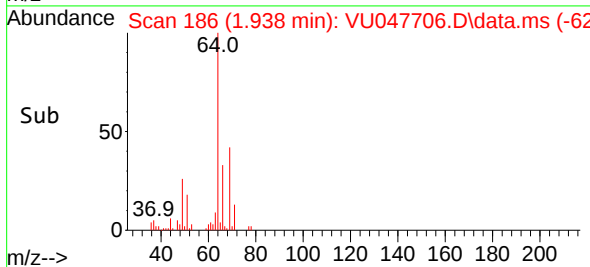
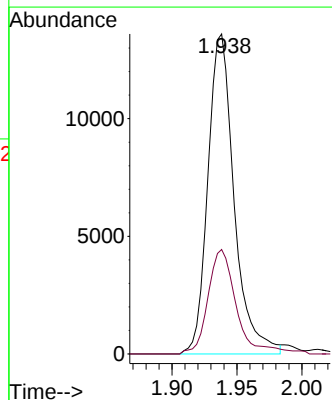
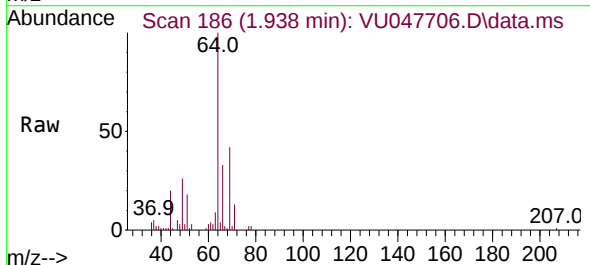
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X1DL

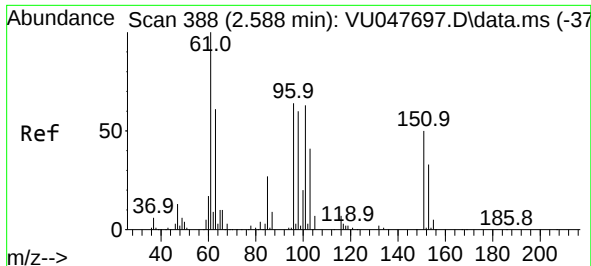
Tgt Ion: 62 Resp: 2461
 Ion Ratio Lower Upper
 62 100
 64 53.6 23.7 43.9#



#8
 Chloroethane
 Concen: 10.561 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047706.D
 Acq: 26 Mar 2022 14:11

Tgt Ion: 64 Resp: 19134
 Ion Ratio Lower Upper
 64 100
 66 32.7 23.3 43.3

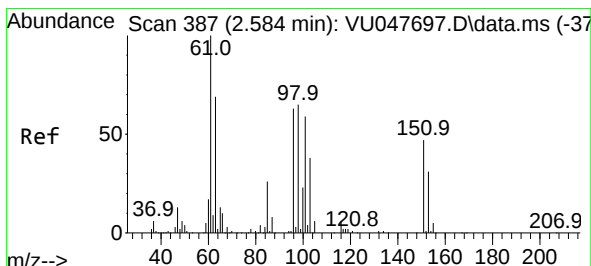
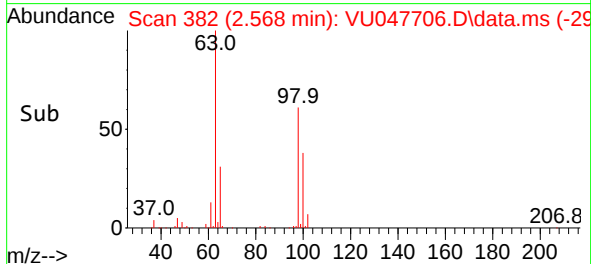
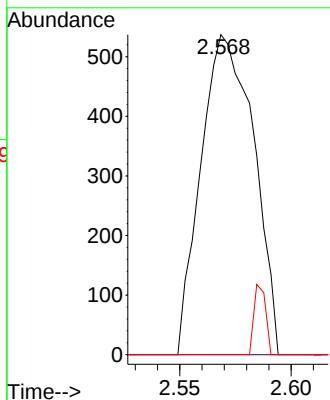
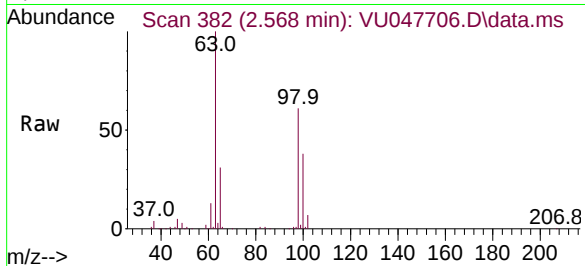




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.376 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU047706.D
 Acq: 26 Mar 2022 14:11

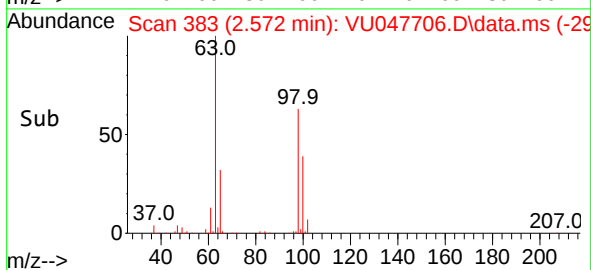
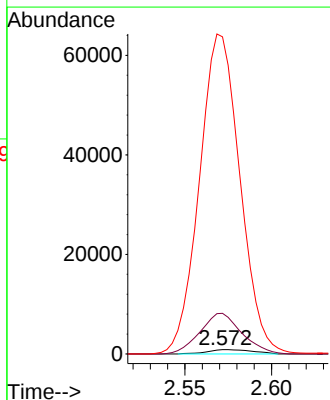
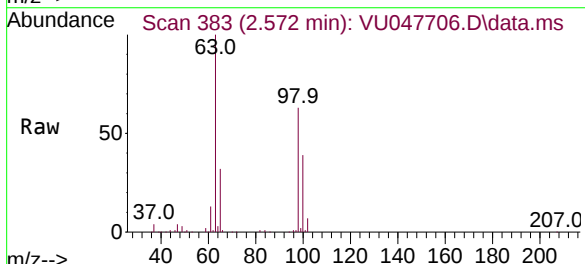
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X1DL

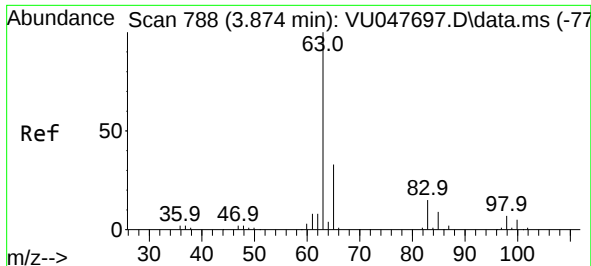
Tgt Ion:101 Resp: 884
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 4.9 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.732 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU047706.D
 Acq: 26 Mar 2022 14:11

Tgt Ion: 96 Resp: 1602
 Ion Ratio Lower Upper
 96 100
 61 935.9 113.1 210.1#
 63 7292.4 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 7.541 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047706.D

Acq: 26 Mar 2022 14:11

Instrument :

MSVOA_U

ClientSampleId :

EW5X1DL

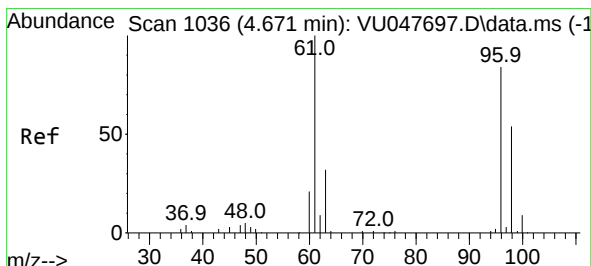
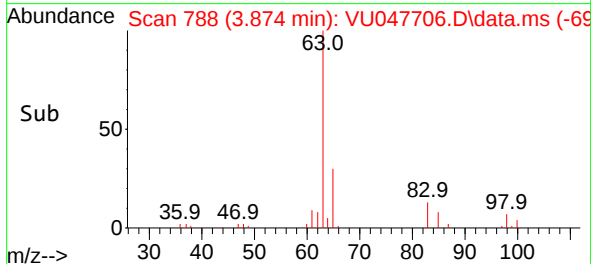
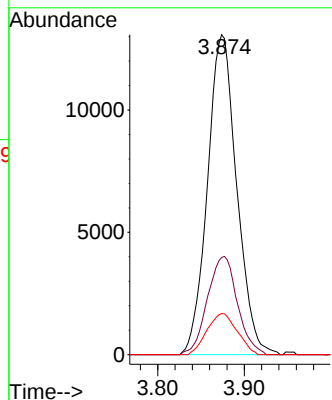
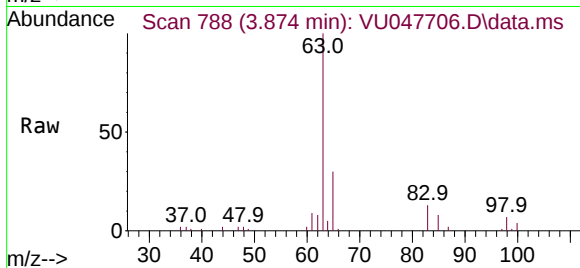
Tgt Ion: 63 Resp: 30712

Ion Ratio Lower Upper

63 100

65 30.4 22.0 41.0

83 12.9 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 9.675 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047706.D

Acq: 26 Mar 2022 14:11

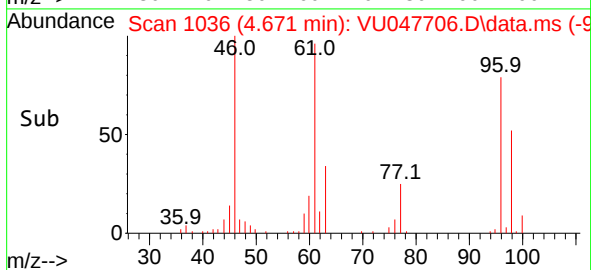
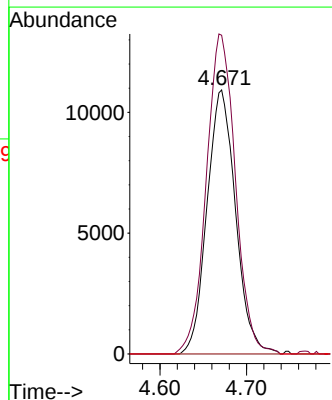
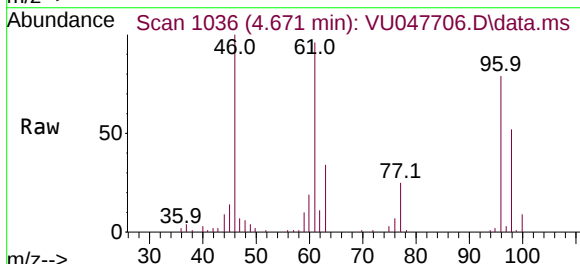
Tgt Ion: 96 Resp: 25047

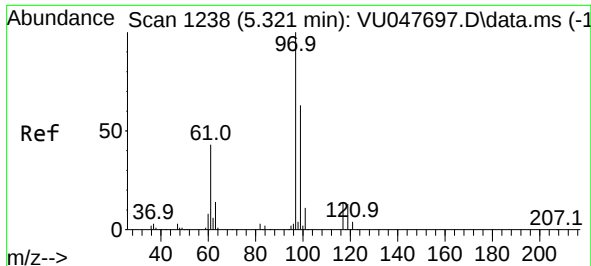
Ion Ratio Lower Upper

96 100

61 120.8 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 17.041 ug/L

RT: 5.318 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU047706.D

Acq: 26 Mar 2022 14:11

Instrument :

MSVOA_U

ClientSampleId :

EW5X1DL

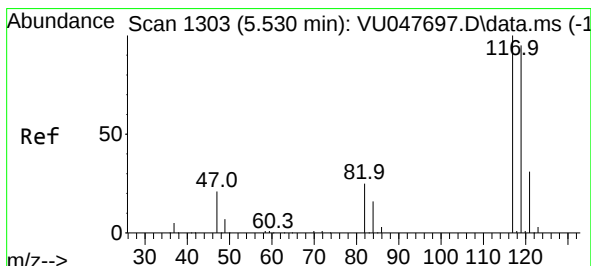
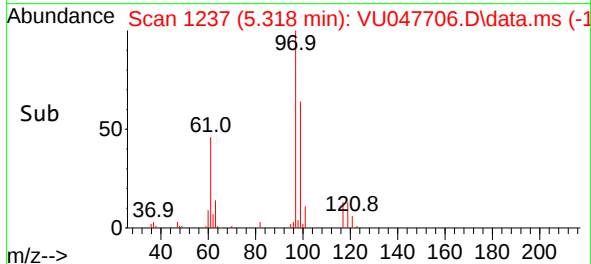
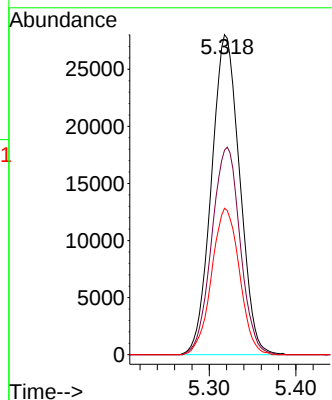
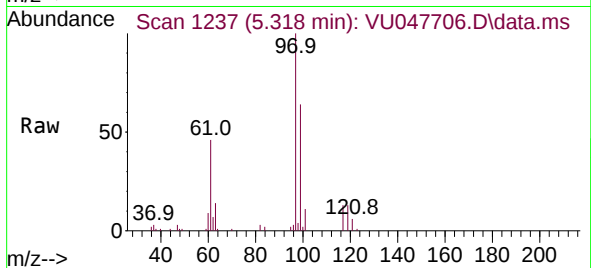
Tgt Ion: 97 Resp: 63499

Ion Ratio Lower Upper

97 100

99 65.4 51.6 77.4

61 45.2 34.2 51.4



#31

Carbon tetrachloride

Concen: 2.478 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047706.D

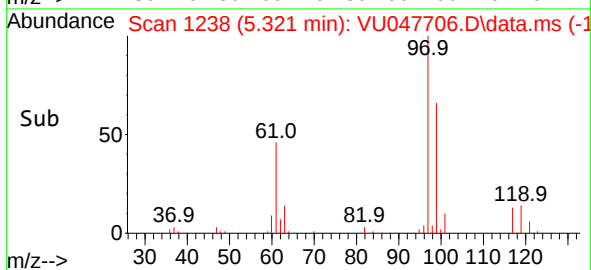
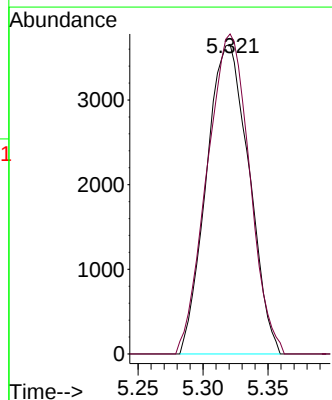
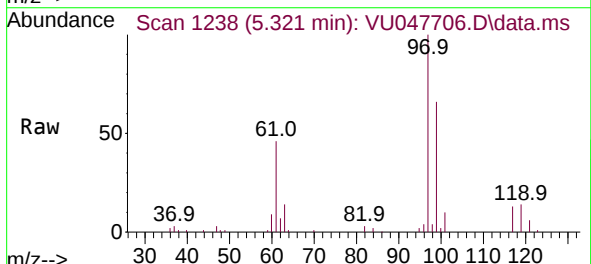
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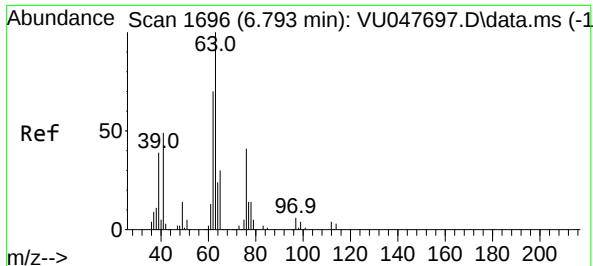
Tgt Ion: 117 Resp: 8339

Ion Ratio Lower Upper

117 100

119 103.1 77.2 115.8





#37

1,2-Dichloropropane

Concen: 4.732 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU047706.D

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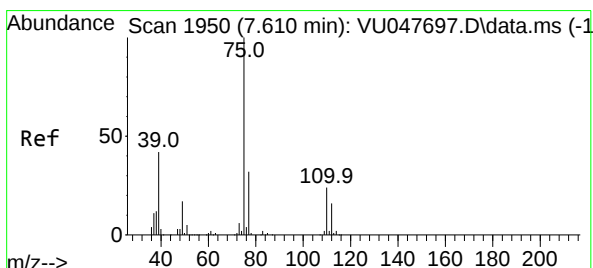
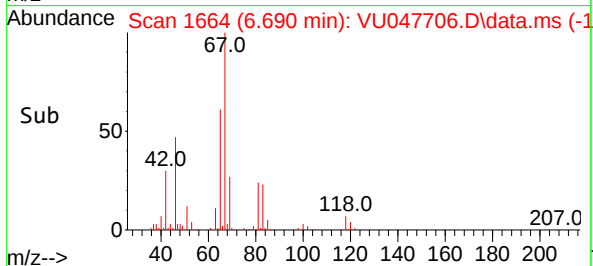
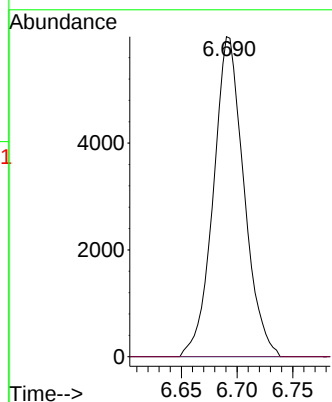
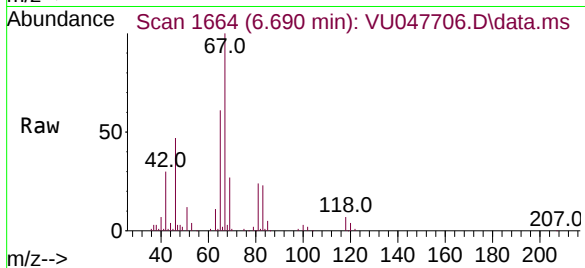
EW5X1DL

Tgt Ion: 63 Resp: 11443

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.776 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU047706.D

Acq: 26 Mar 2022 14:11

Tgt Ion: 75 Resp: 2911

Ion Ratio Lower Upper

75 100

77 55.9 21.8 40.6#

