

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046352.D
 Acq On : 14 Dec 2021 13:50
 Operator : SY/MD
 Sample : M5002-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CZ0

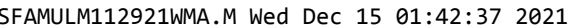
Quant Time: Dec 15 01:42:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 01:40:37 2021
 Response via : Initial Calibration

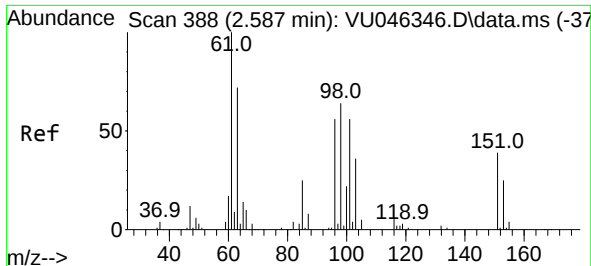
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	149793	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	156818	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	76333	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	50523	40.945	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.900%		
7) Chloroethane-d5	1.919	69	38620	40.765	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.520%		
11) 1,1-Dichloroethene-d2	2.575	63	70092	31.643	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.280%		
21) 2-Butanone-d5	4.642	46	82882	84.495	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.500%		
24) Chloroform-d	5.067	84	96064	46.620	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.240%		
26) 1,2-Dichloroethane-d4	5.706	65	64601	46.715	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.420%		
32) Benzene-d6	5.732	84	185045	41.170	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.340%		
36) 1,2-Dichloropropane-d6	6.693	67	60100	43.145	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.280%		
41) Toluene-d8	7.899	98	157124	38.394	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	76.780%#		
43) trans-1,3-Dichloroprop...	8.182	79	26945	40.071	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.140%		
47) 2-Hexanone-d5	8.636	63	60191	91.135	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.130%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	90699	42.934	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	85.860%		
66) 1,2-Dichlorobenzene-d4	12.195	152	63268	43.038	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.080%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	553	0.507	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	5348	5.163	ug/L #	1
20) cis-1,2-Dichloroethene	4.671	96	4428	3.723	ug/L	96
27) 1,2-Dichloroethane	5.726	62	1054	0.641	ug/L #	73
30) 1,1,1-Trichloroethane	5.327	97	2146	1.115	ug/L #	72
34) Trichloroethene	6.546	95	75328	60.244	ug/L	98
35) Methylcyclohexane	6.693	83	14711	7.588	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6657	5.354	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1713	0.906	ug/L #	70
60) 1,2,3-Trichloropropane	11.812	75	9251	5.529	ug/L #	65

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

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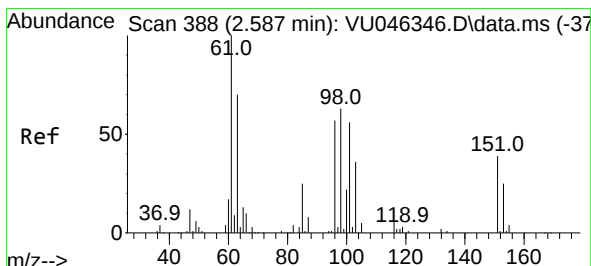
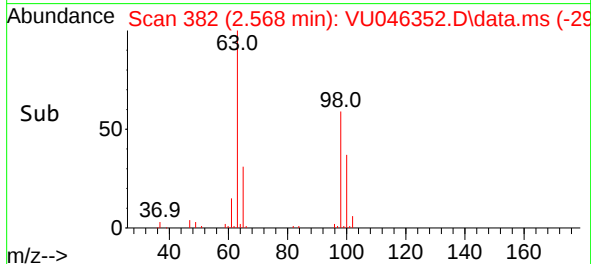
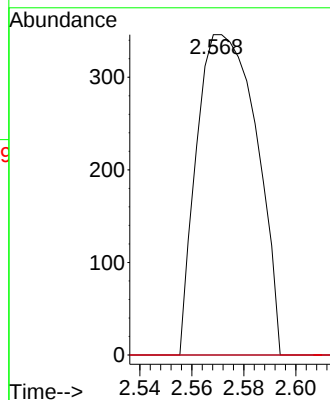
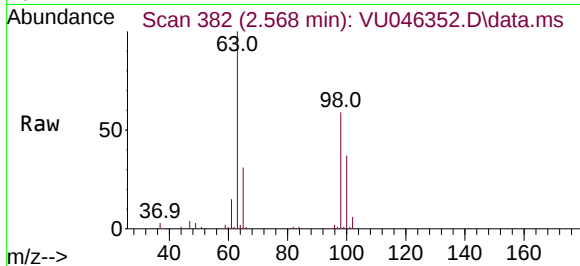




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.507 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU046352.D
 Acq: 14 Dec 2021 13:50

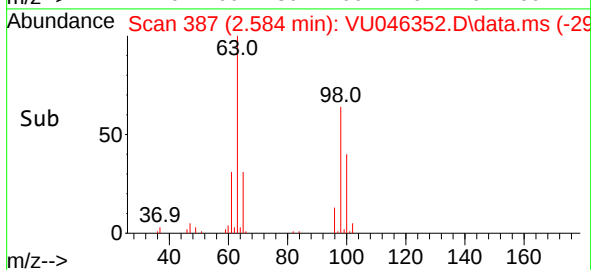
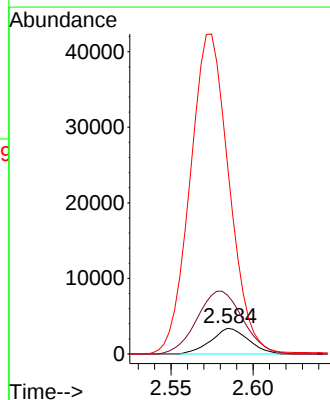
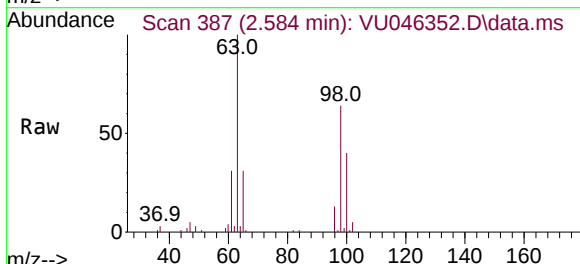
Instrument :
 MSVOA_U
 ClientSampleId :
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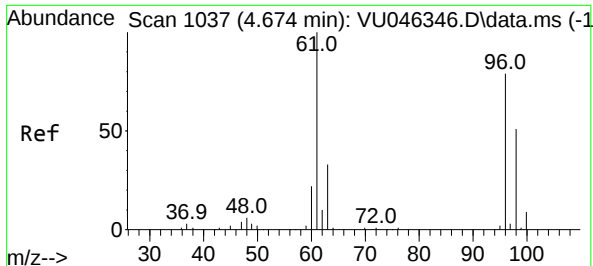
Tgt Ion:101 Resp: 553
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 5.163 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046352.D
 Acq: 14 Dec 2021 13:50

Tgt Ion: 96 Resp: 5348
 Ion Ratio Lower Upper
 96 100
 61 230.2 118.6 220.2#
 63 743.6 93.0 172.8#

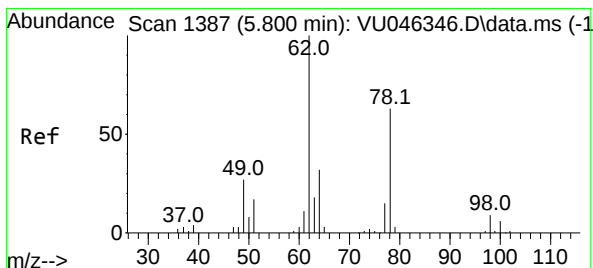
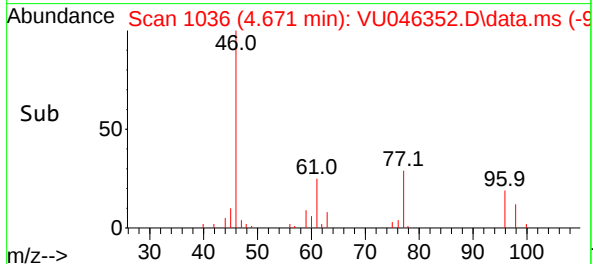
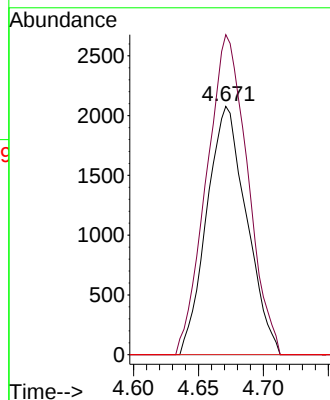
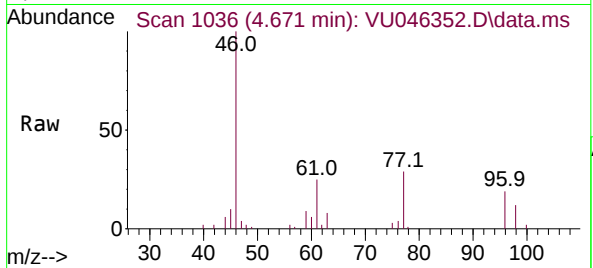




#20
 cis-1,2-Dichloroethene
 Concen: 3.723 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU046352.D
 Acq: 14 Dec 2021 13:50

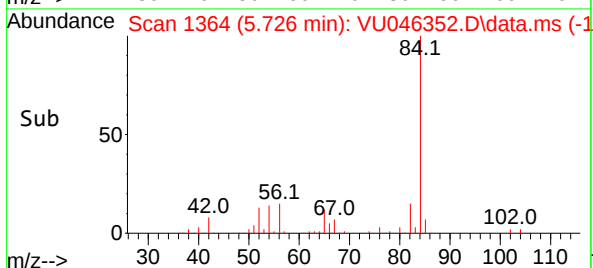
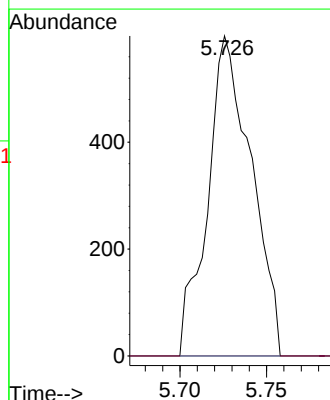
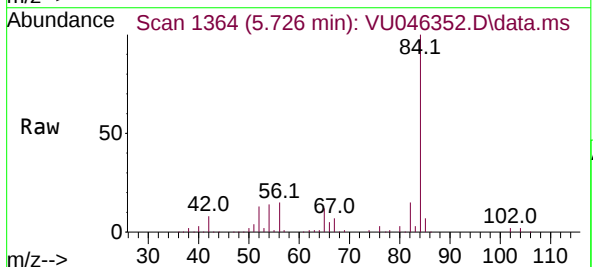
Instrument :
 MSVOA_U
 ClientSampleId :
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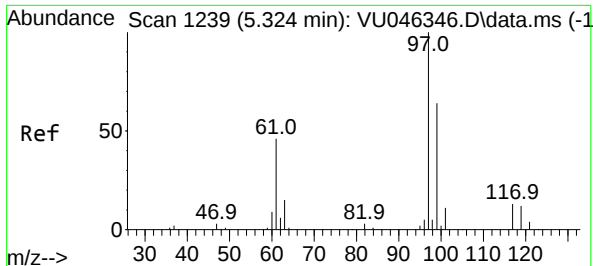
Tgt Ion: 96 Resp: 4428
 Ion Ratio Lower Upper
 96 100
 61 128.8 86.8 161.2
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.641 ug/L
 RT: 5.726 min Scan# 1364
 Delta R.T. -0.074 min
 Lab File: VU046352.D
 Acq: 14 Dec 2021 13:50

Tgt Ion: 62 Resp: 1054
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.9 11.9#





#30

1,1,1-Trichloroethane

Concen: 1.115 ug/L

RT: 5.327 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046352.D

Acq: 14 Dec 2021 13:50

Instrument :

MSVOA_U

ClientSampleId :

C0CZ0

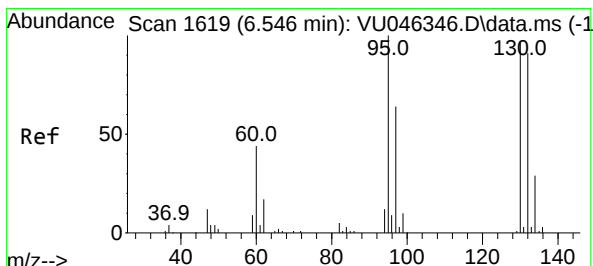
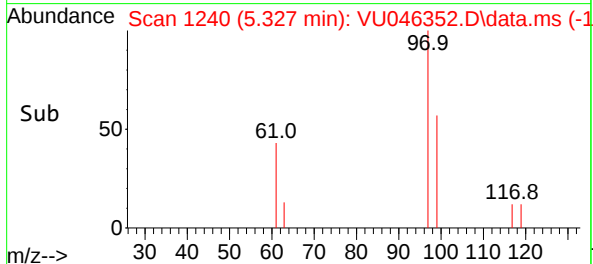
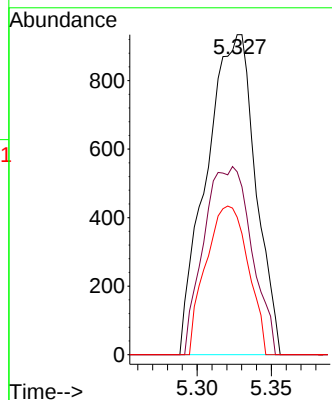
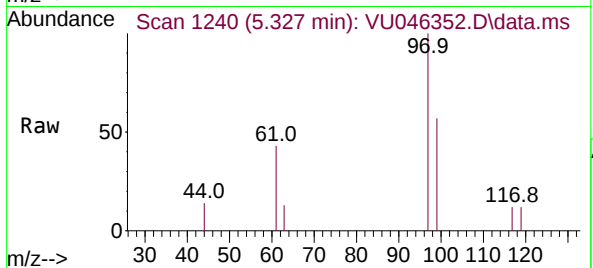
Tgt Ion: 97 Resp: 2146

Ion Ratio Lower Upper

97 100

99 30.8 51.8 77.6#

61 39.9 34.4 51.6



#34

Trichloroethene

Concen: 60.244 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU046352.D

Acq: 14 Dec 2021 13:50

Tgt Ion: 95 Resp: 75328

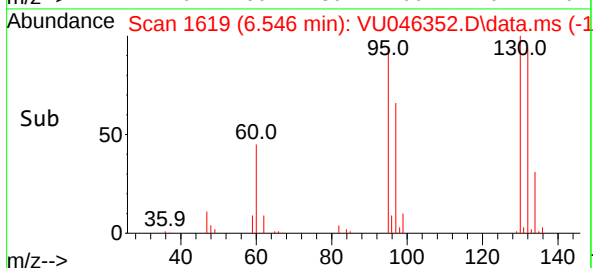
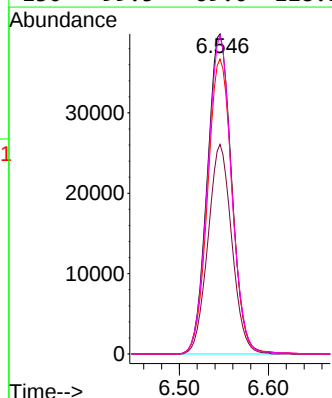
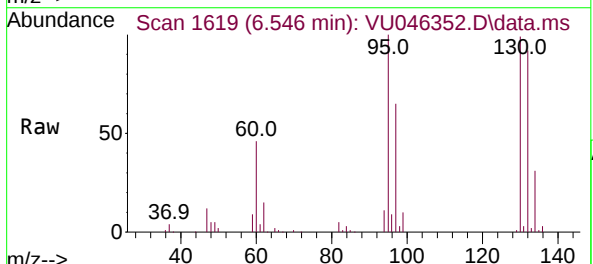
Ion Ratio Lower Upper

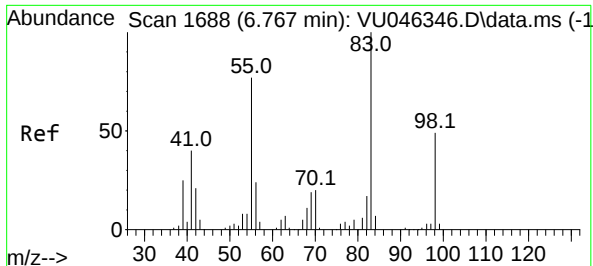
95 100

97 65.5 44.1 81.9

132 92.2 66.8 124.0

130 99.5 69.0 128.1





#35

Methylcyclohexane

Concen: 7.588 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046352.D

Acq: 14 Dec 2021 13:50

Instrument :

MSVOA_U

ClientSampleId :

C0CZ0

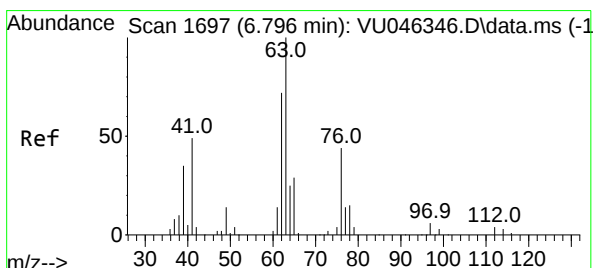
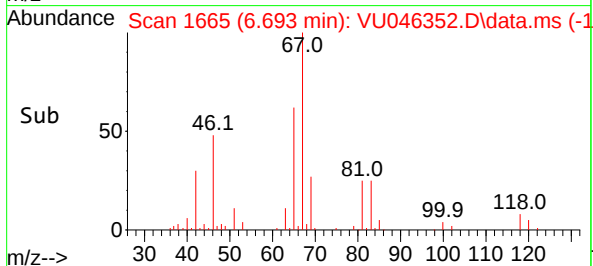
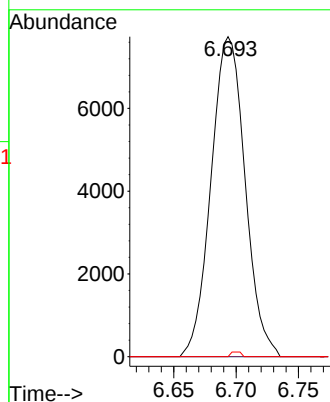
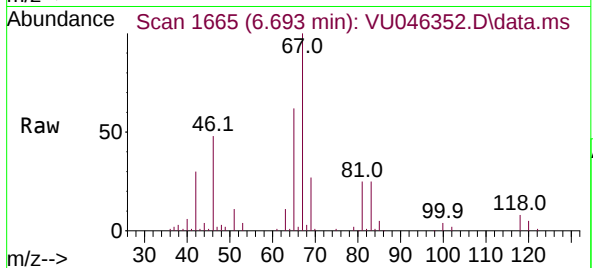
Tgt Ion: 83 Resp: 14711

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.3 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.354 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU046352.D

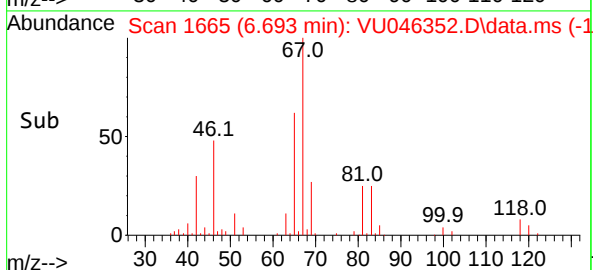
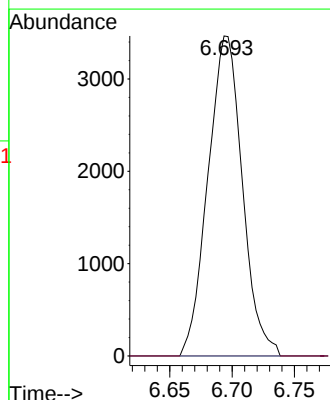
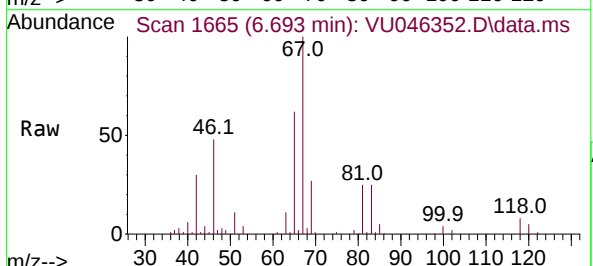
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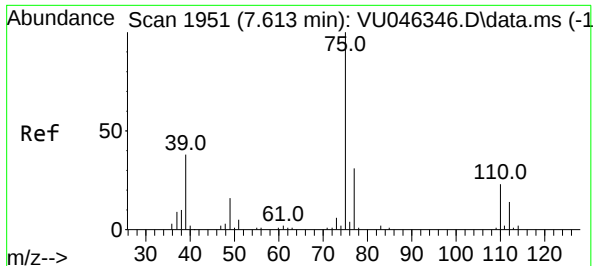
Tgt Ion: 63 Resp: 6657

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.906 ug/L

RT: 7.565 min Scan# 1951

Delta R.T. -0.048 min

Lab File: VU046352.D

Acq: 14 Dec 2021 13:50

Instrument :

MSVOA_U

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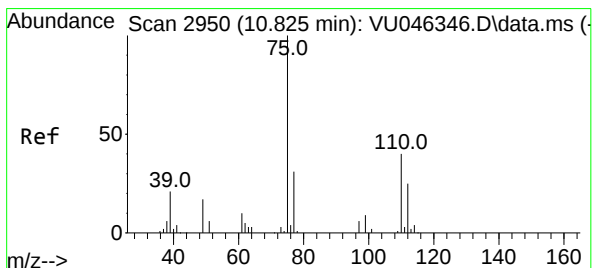
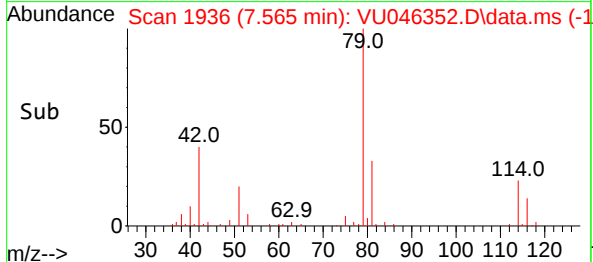
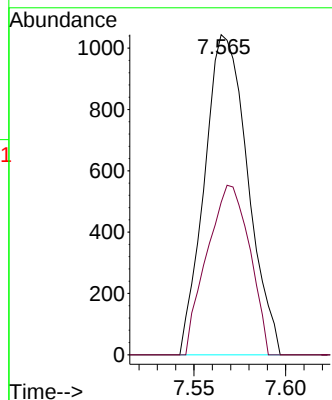
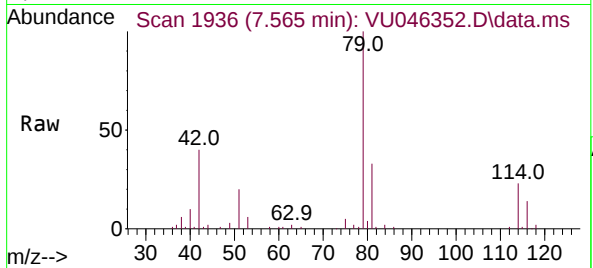
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Tgt Ion: 75 Resp: 1713

Ion Ratio Lower Upper

75 100

77 47.6 21.8 40.6#



#60

1,2,3-Trichloropropane

Concen: 5.529 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046352.D

Acq: 14 Dec 2021 13:50

Tgt Ion: 75 Resp: 9251

Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6

110 1.4 32.4 48.6#

