

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046364.D
 Acq On : 14 Dec 2021 18:24
 Operator : SY/MD
 Sample : M4997-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

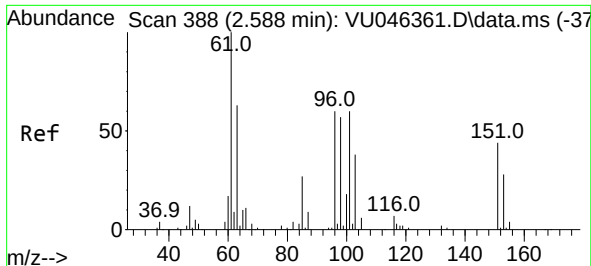
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q3

Quant Time: Dec 15 03:43:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 03:40:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	135972	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	141000	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	67983	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	44227	39.486	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.980%		
7) Chloroethane-d5	1.919	69	35228	40.964	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.920%		
11) 1,1-Dichloroethene-d2	2.575	63	60776	30.226	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.460%		
21) 2-Butanone-d5	4.642	46	78303	87.941	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.940%		
24) Chloroform-d	5.067	84	90684	48.482	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.960%		
26) 1,2-Dichloroethane-d4	5.707	65	61259	48.801	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.600%		
32) Benzene-d6	5.732	84	171909	42.538	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.080%		
36) 1,2-Dichloropropane-d6	6.694	67	55700	44.472	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.940%		
41) Toluene-d8	7.899	98	145083	39.429	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.860%#		
43) trans-1,3-Dichloroprop...	8.182	79	25727	42.551	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.100%		
47) 2-Hexanone-d5	8.636	63	55999	94.299	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.300%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	84066	44.259	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.520%		
66) 1,2-Dichlorobenzene-d4	12.195	152	58297	44.528	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.060%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	503	0.508	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	571	0.607	ug/L #	1
17) trans-1,2-Dichloroethene	3.366	96	740	0.744	ug/L	80
19) 1,1-Dichloroethane	3.877	63	52699	29.131	ug/L	96
20) cis-1,2-Dichloroethene	4.674	96	39974	37.028	ug/L	96
27) 1,2-Dichloroethane	5.803	62	1388	0.931	ug/L #	73
30) 1,1,1-Trichloroethane	5.321	97	1180	0.682	ug/L #	76
35) Methylcyclohexane	6.694	83	13320	7.641	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6558	5.866	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1589	0.934	ug/L #	60
44) trans-1,3-Dichloropropene	8.182	75	1116	0.668	ug/L #	78
60) 1,2,3-Trichloropropane	11.812	75	8131	5.456	ug/L #	64

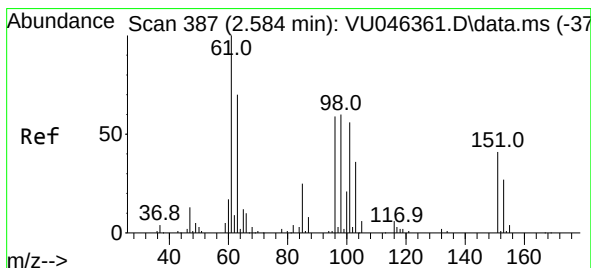
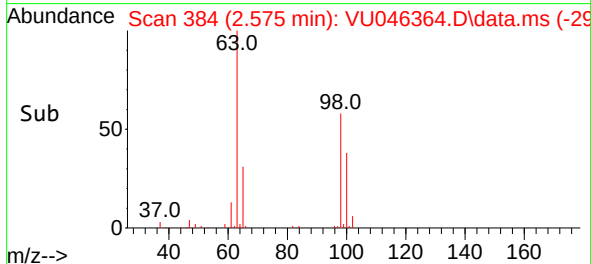
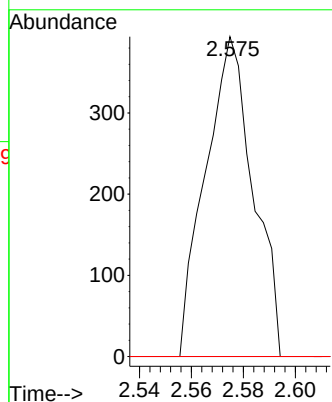
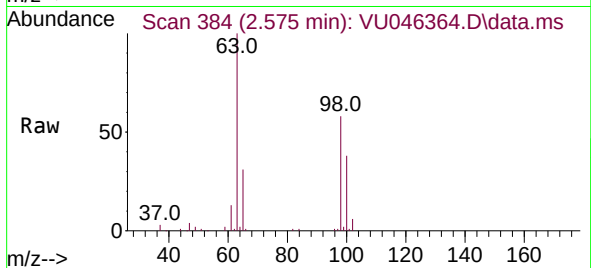
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.508 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046364.D
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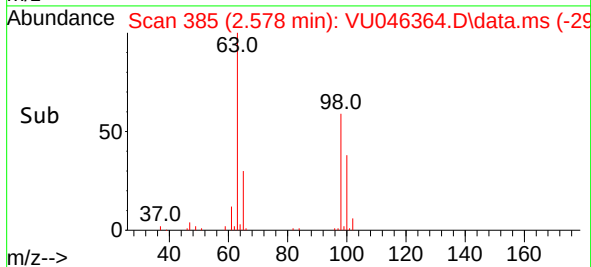
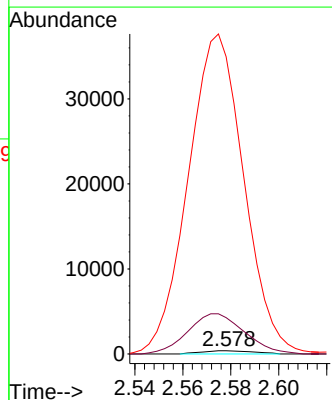
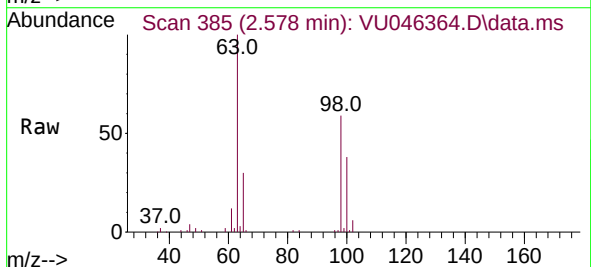
Instrument :
MSVOA_U
ClientSampleId :
EW5Q3

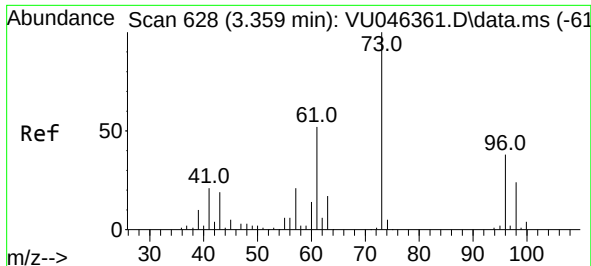
Tgt Ion:101 Resp: 503
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.607 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU046364.D
Acq: 14 Dec 2021 18:24

Tgt Ion: 96 Resp: 571
Ion Ratio Lower Upper
96 100
61 1144.4 118.6 220.2#
63 9349.7 93.0 172.8#

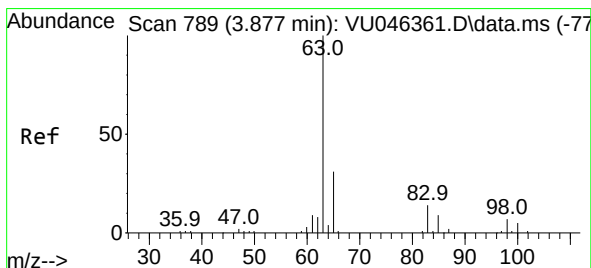
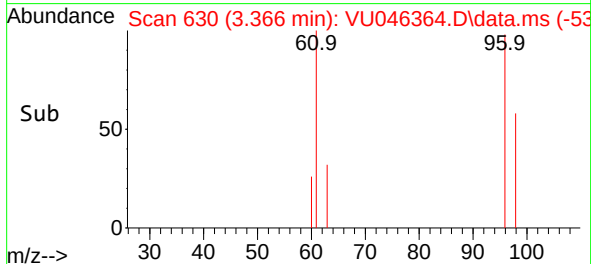
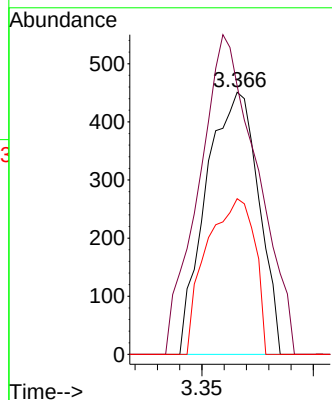
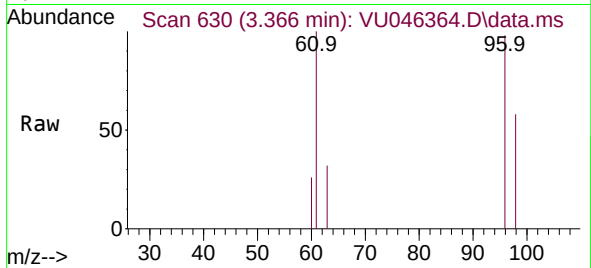




#17
trans-1,2-Dichloroethene
Concen: 0.744 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU046364.D
Acq: 14 Dec 2021 18:24

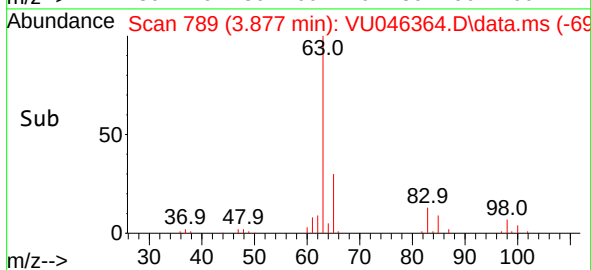
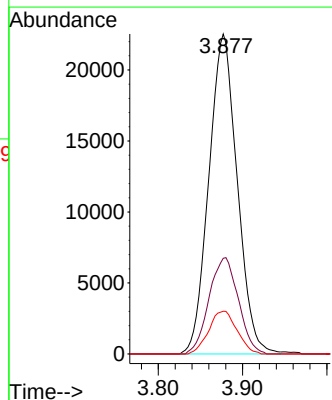
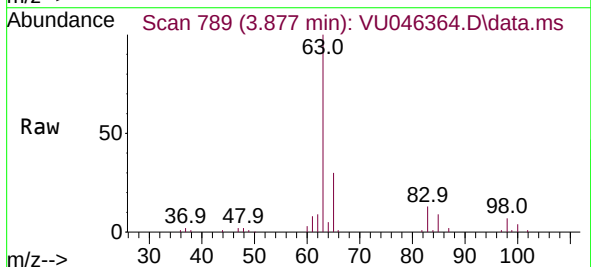
Instrument :
MSVOA_U
ClientSampleId :
EW5Q3

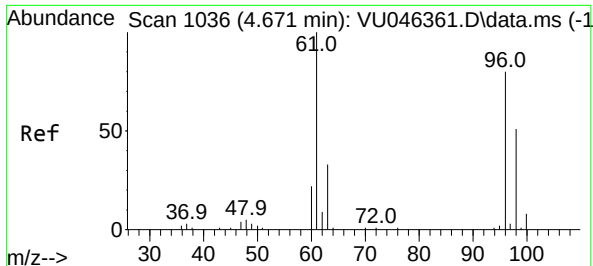
Tgt Ion: 96 Resp: 740
Ion Ratio Lower Upper
96 100
61 102.4 94.6 175.6
98 59.4 44.0 81.8



#19
1,1-Dichloroethane
Concen: 29.131 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU046364.D
Acq: 14 Dec 2021 18:24

Tgt Ion: 63 Resp: 52699
Ion Ratio Lower Upper
63 100
65 29.9 22.8 42.4
83 13.4 9.6 17.8

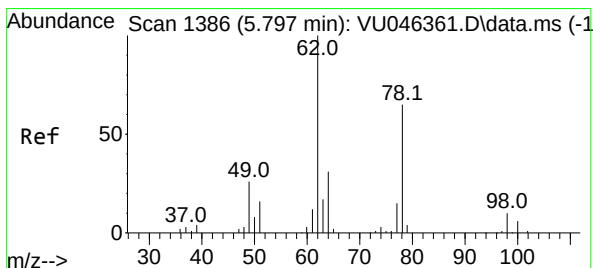
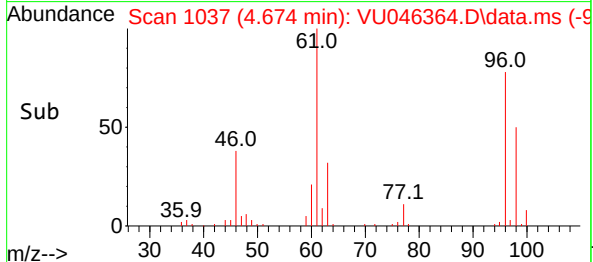
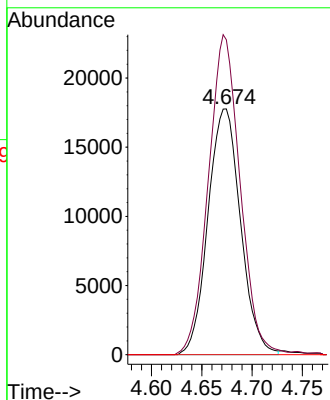
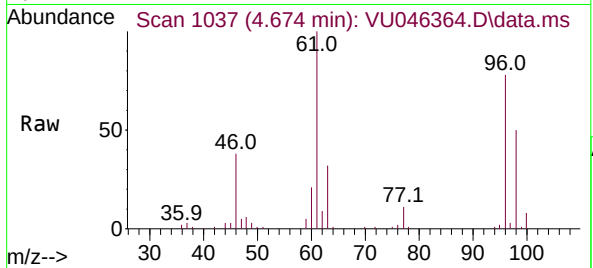




#20
 cis-1,2-Dichloroethene
 Concen: 37.028 ug/L
 RT: 4.674 min Scan# 1036
 Delta R.T. 0.003 min
 Lab File: VU046364.D
 Acq: 14 Dec 2021 18:24

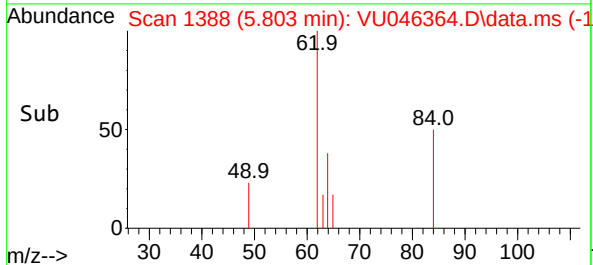
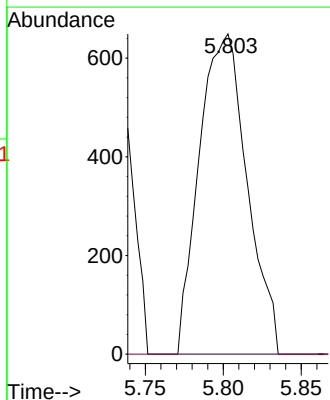
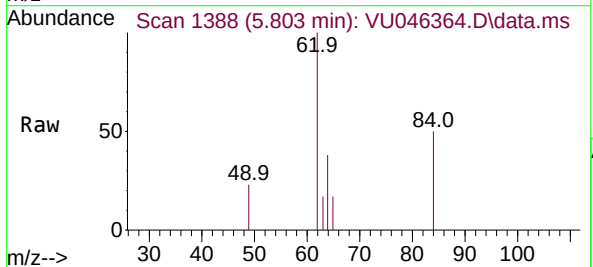
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q3

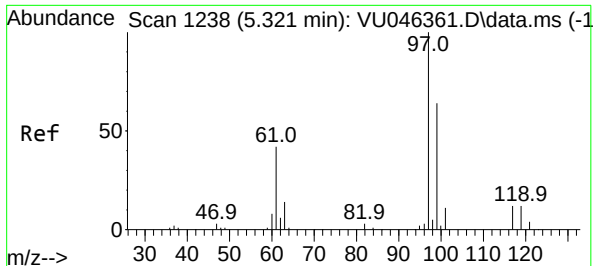
Tgt Ion: 96 Resp: 39974
 Ion Ratio Lower Upper
 96 100
 61 128.1 86.8 161.2
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.931 ug/L
 RT: 5.803 min Scan# 1388
 Delta R.T. 0.007 min
 Lab File: VU046364.D
 Acq: 14 Dec 2021 18:24

Tgt Ion: 62 Resp: 1388
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.9 11.9





#30

1,1,1-Trichloroethane

Concen: 0.682 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046364.D

Acq: 14 Dec 2021 18:24

Instrument :

MSVOA_U

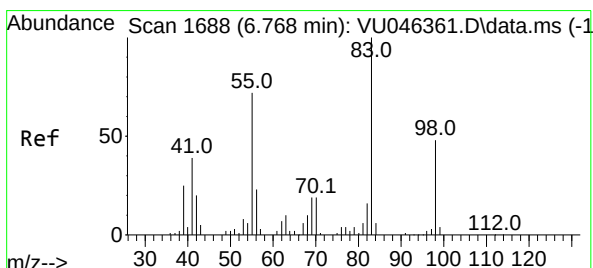
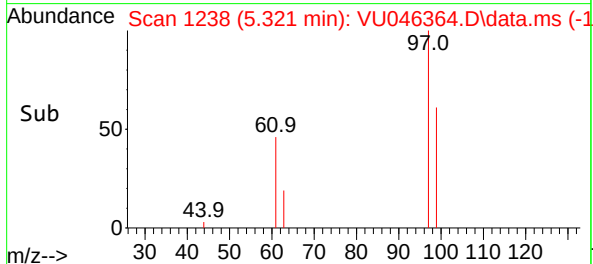
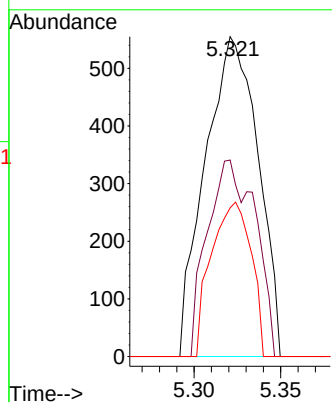
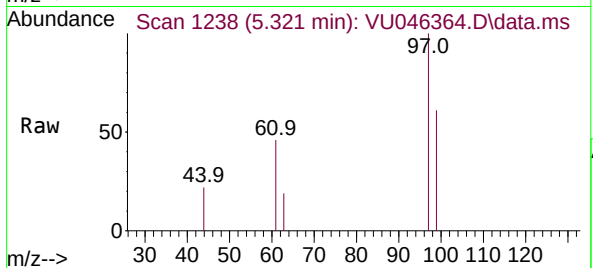
ClientSampleId :

EW5Q3

Tgt Ion: 97 Resp: 1180

Ion Ratio Lower Upper

97	100		
99	38.2	51.8	77.6#
61	36.4	34.4	51.6



#35

Methylcyclohexane

Concen: 7.641 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

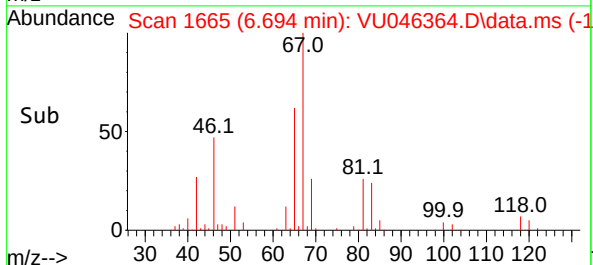
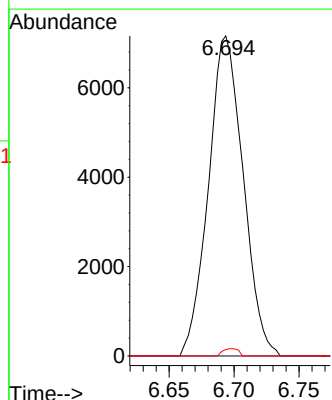
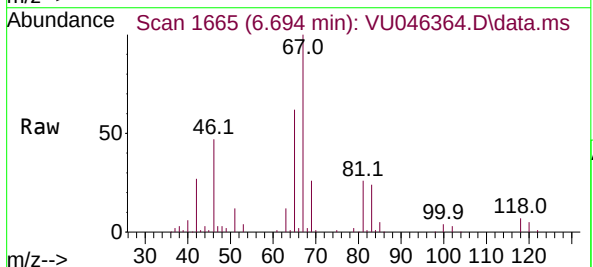
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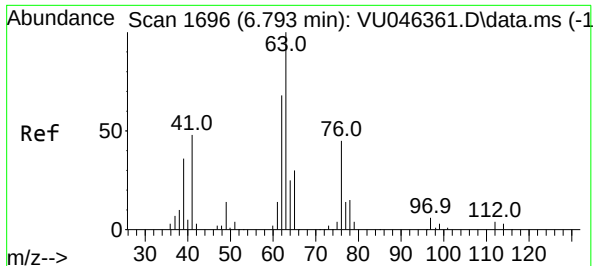
Acq: 14 Dec 2021 18:24

Tgt Ion: 83 Resp: 13320

Ion Ratio Lower Upper

83	100		
55	0.0	57.8	86.6#
98	1.0	38.4	57.6#





#37

1,2-Dichloropropane

Concen: 5.866 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046364.D

Acq: 14 Dec 2021 18:24

Instrument :

MSVOA_U

ClientSampleId :

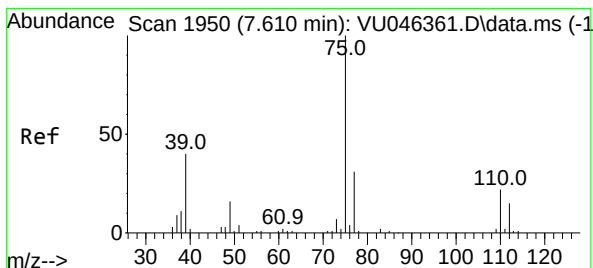
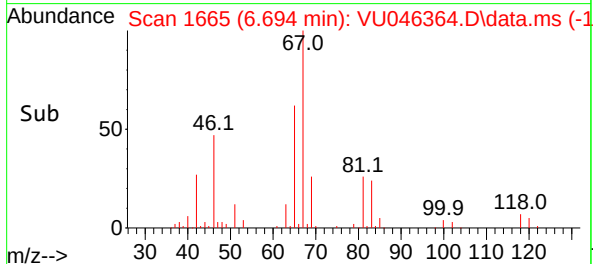
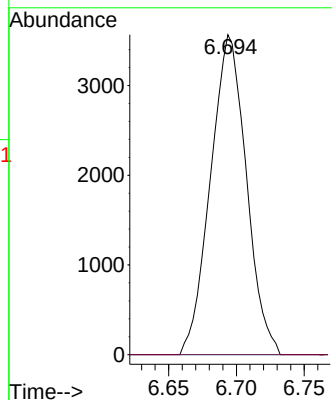
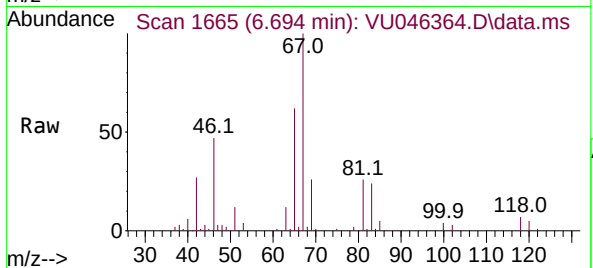
EW5Q3

Tgt Ion: 63 Resp: 6558

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.934 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046364.D

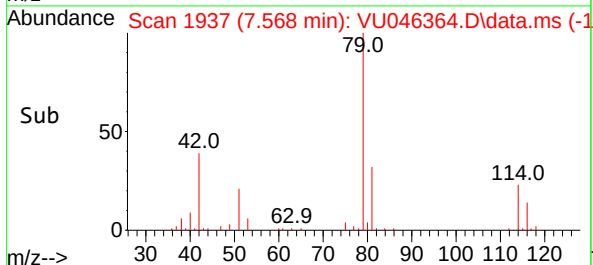
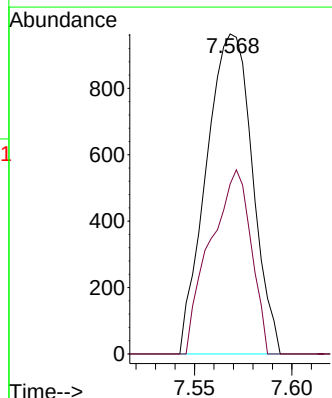
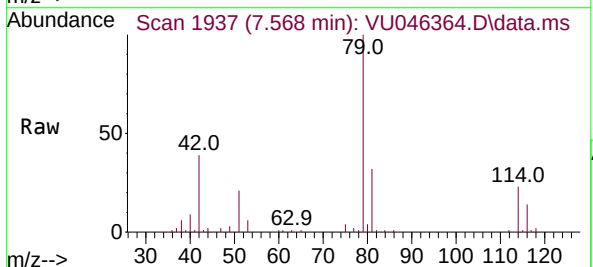
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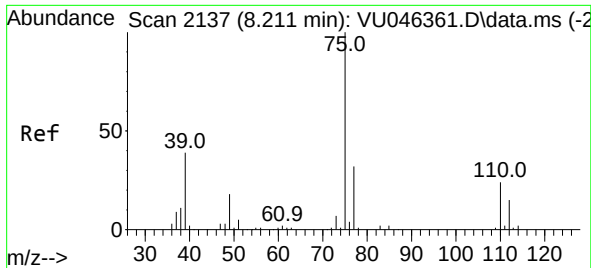
Tgt Ion: 75 Resp: 1589

Ion Ratio Lower Upper

75 100

77 53.1 21.8 40.6#

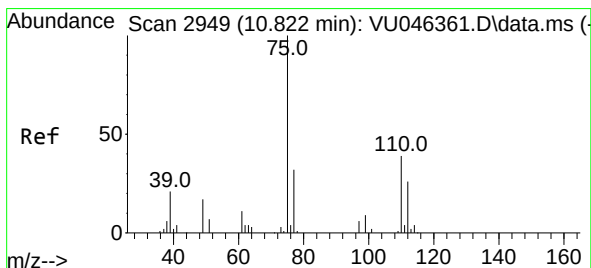
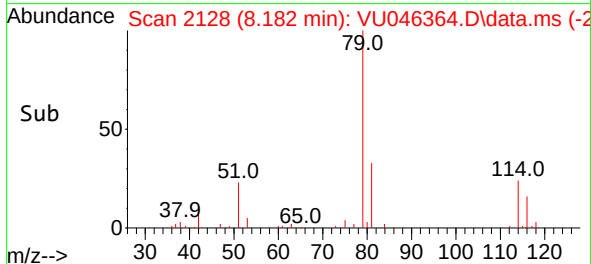
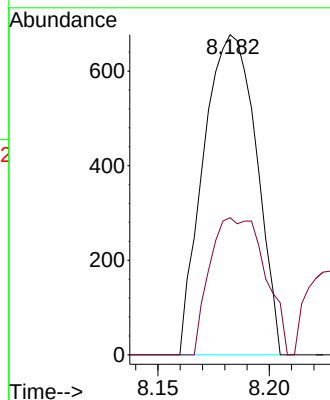
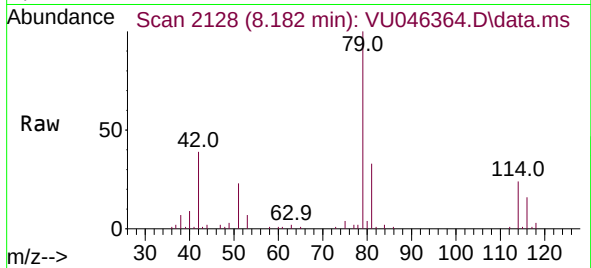




#44
trans-1,3-Dichloropropene
Concen: 0.668 ug/L
RT: 8.182 min Scan# 2116
Delta R.T. -0.029 min
Lab File: VU046364.D
Acq: 14 Dec 2021 18:24

Instrument :
MSVOA_U
ClientSampleId :
EW5Q3

Tgt Ion: 75 Resp: 1116
Ion Ratio Lower Upper
75 100
77 42.8 21.7 40.3#



#60
1,2,3-Trichloropropane
Concen: 5.456 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.990 min
Lab File: VU046364.D
Acq: 14 Dec 2021 18:24

Tgt Ion: 75 Resp: 8131
Ion Ratio Lower Upper
75 100
77 36.4 26.4 39.6
110 2.4 32.4 48.6#

