

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046360.D
 Acq On : 14 Dec 2021 16:50
 Operator : SY/MD
 Sample : M4997-06DL 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

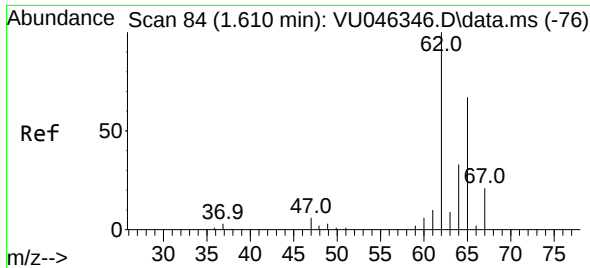
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R1DL

Quant Time: Dec 15 01:44:10 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	146648	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	151899	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	75868	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	44751	37.045	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.100%		
7) Chloroethane-d5	1.919	69	34450	37.143	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	74.280%		
11) 1,1-Dichloroethene-d2	2.572	63	61497	28.358	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	56.720%#		
21) 2-Butanone-d5	4.639	46	78125	81.354	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	81.350%		
24) Chloroform-d	5.070	84	90055	44.641	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.280%		
26) 1,2-Dichloroethane-d4	5.707	65	60488	44.679	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.360%		
32) Benzene-d6	5.732	84	173728	39.904	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.800%		
36) 1,2-Dichloropropane-d6	6.694	67	55177	40.893	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.780%		
41) Toluene-d8	7.899	98	145035	36.588	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	73.180%#		
43) trans-1,3-Dichloroprop...	8.179	79	26329	40.423	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.840%		
47) 2-Hexanone-d5	8.636	63	56487	88.296	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.300%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	84979	41.529	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.060%		
66) 1,2-Dichlorobenzene-d4	12.195	152	59929	41.017	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.040%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	8236	5.724	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	422	0.395	ug/L #	21
17) trans-1,2-Dichloroethene	3.359	96	521	0.486	ug/L	89
19) 1,1-Dichloroethane	3.877	63	44181	22.645	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	42937	36.877	ug/L	98
30) 1,1,1-Trichloroethane	5.324	97	2191	1.175	ug/L #	84
35) Methylcyclohexane	6.694	83	13835	7.367	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	6230	5.173	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1537	0.839	ug/L #	61
44) trans-1,3-Dichloropropene	8.179	75	1136	0.631	ug/L	99
53) m,p-Xylene	9.694	106	1465	0.708	ug/L	93
54) o-xylene	10.099	106	1504	0.749	ug/L	95
60) 1,2,3-Trichloropropane	11.812	75	9148	5.501	ug/L #	63
63) 1,2,4-Trimethylbenzene	11.468	105	8046	1.955	ug/L	98

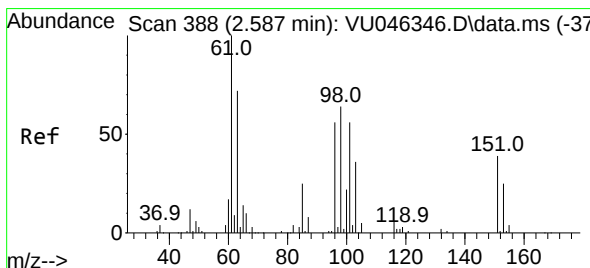
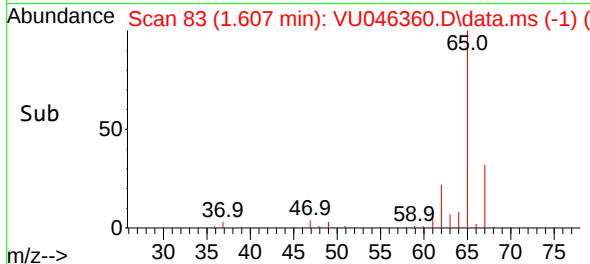
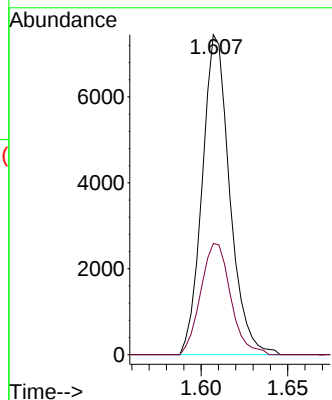
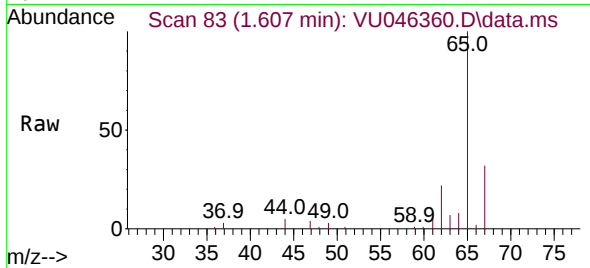
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 5.724 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU046360.D
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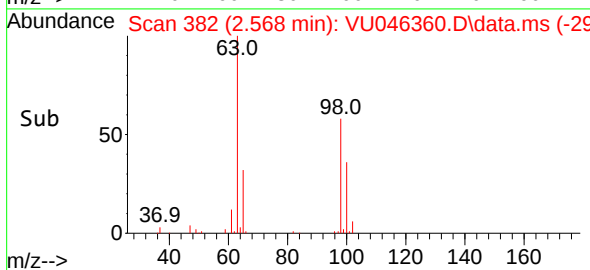
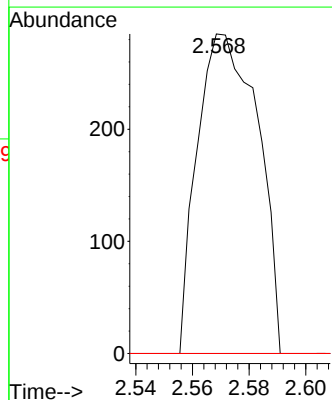
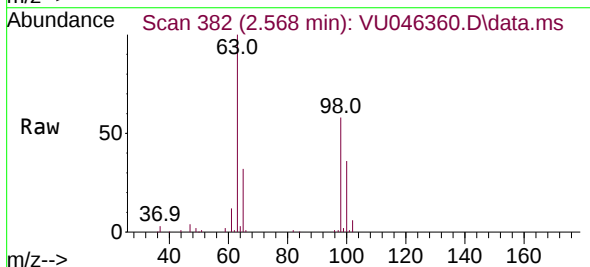
Instrument :
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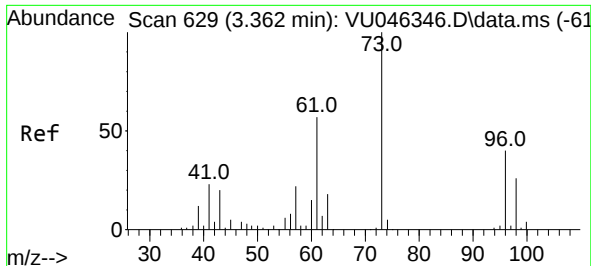
Tgt Ion: 62 Resp: 8236
 Ion Ratio Lower Upper
 62 100
 64 34.7 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.395 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU046360.D
 Acq: 14 Dec 2021 16:50

Tgt Ion: 101 Resp: 422
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#





#17

trans-1,2-Dichloroethene

Concen: 0.486 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU046360.D

Acq: 14 Dec 2021 16:50

Instrument :

MSVOA_U

ClientSampleId :

EW5R1DL

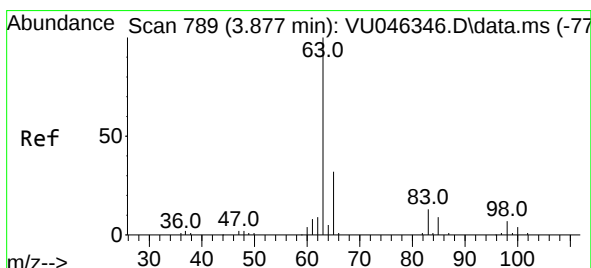
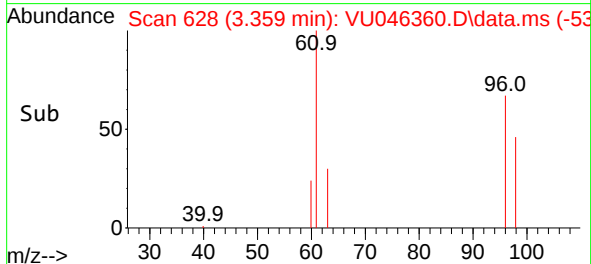
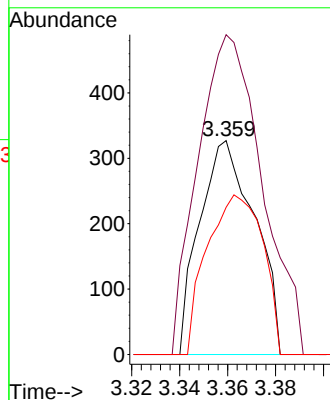
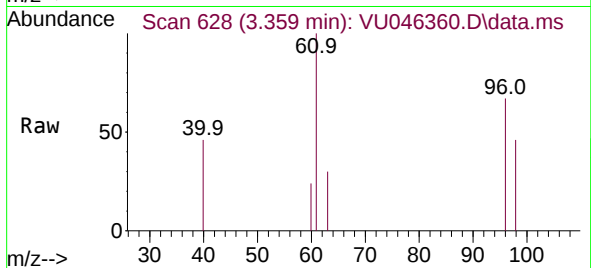
Tgt Ion: 96 Resp: 521

Ion Ratio Lower Upper

96 100

61 149.5 94.6 175.6

98 68.8 44.0 81.8



#19

1,1-Dichloroethane

Concen: 22.645 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046360.D

Acq: 14 Dec 2021 16:50

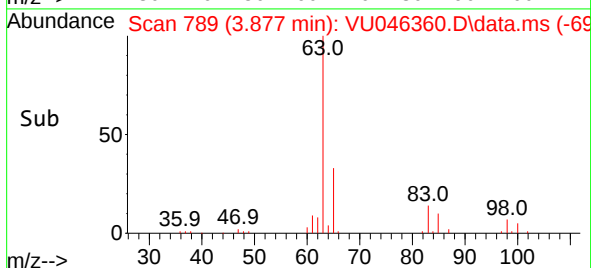
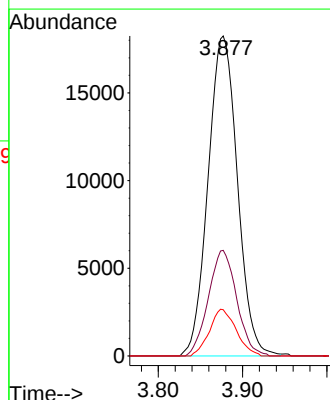
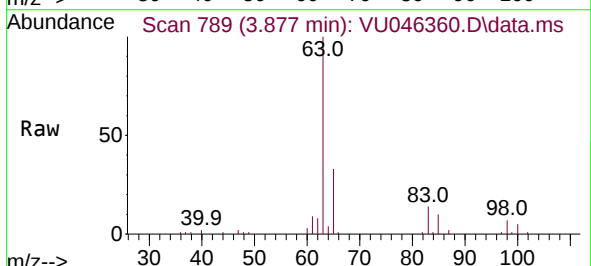
Tgt Ion: 63 Resp: 44181

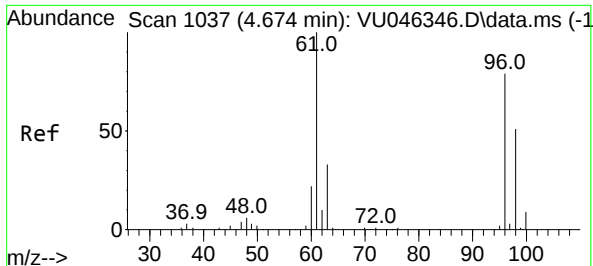
Ion Ratio Lower Upper

63 100

65 33.0 22.8 42.4

83 14.4 9.6 17.8

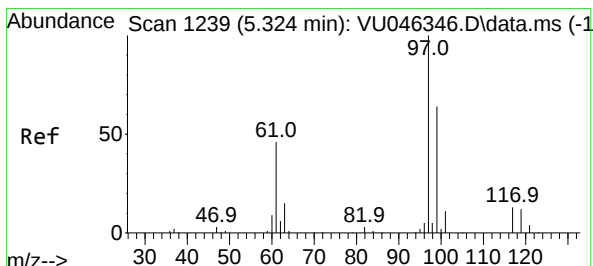
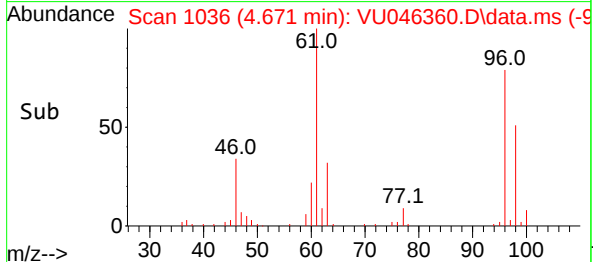
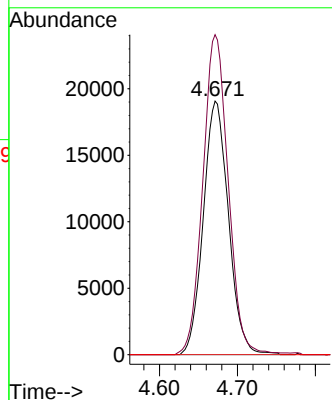
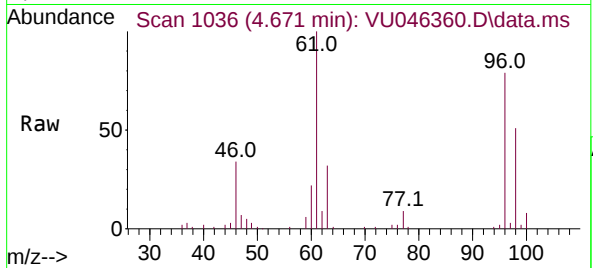




#20
 cis-1,2-Dichloroethene
 Concen: 36.877 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU046360.D
 Acq: 14 Dec 2021 16:50

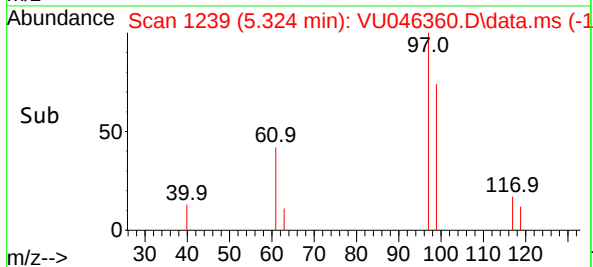
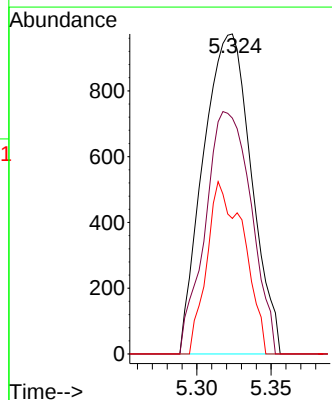
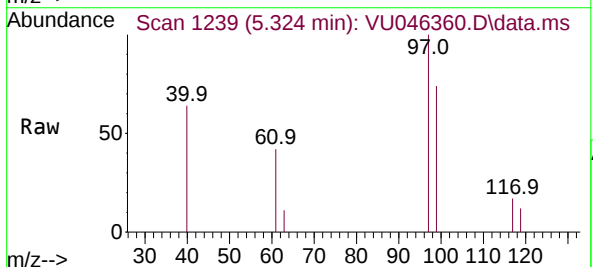
Instrument :
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 EW5R1DL

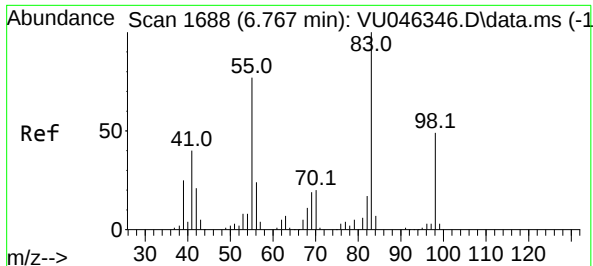
Tgt Ion: 96 Resp: 42937
 Ion Ratio Lower Upper
 96 100
 61 126.2 86.8 161.2
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 1.175 ug/L
 RT: 5.324 min Scan# 1239
 Delta R.T. 0.000 min
 Lab File: VU046360.D
 Acq: 14 Dec 2021 16:50

Tgt Ion: 97 Resp: 2191
 Ion Ratio Lower Upper
 97 100
 99 72.4 51.8 77.6
 61 27.1 34.4 51.6#

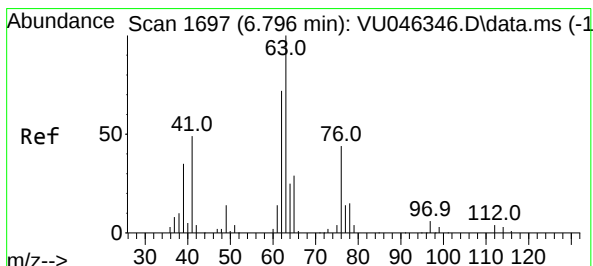
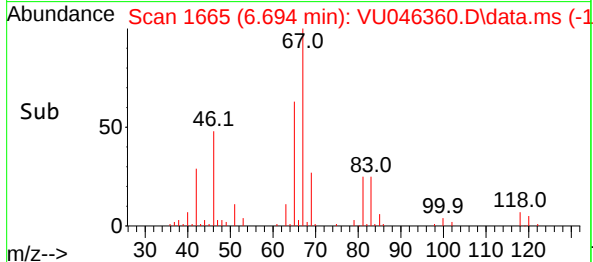
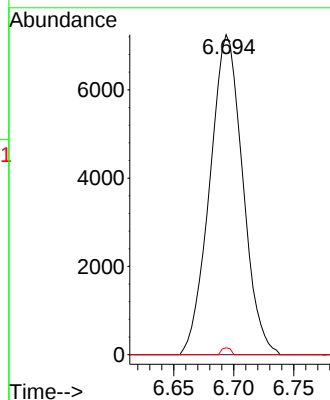
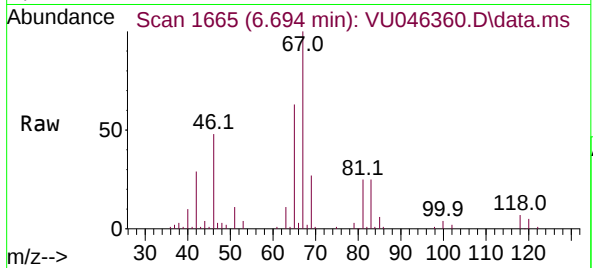




#35
Methylcyclohexane
Concen: 7.367 ug/L
RT: 6.694 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU046360.D
Acq: 14 Dec 2021 16:50

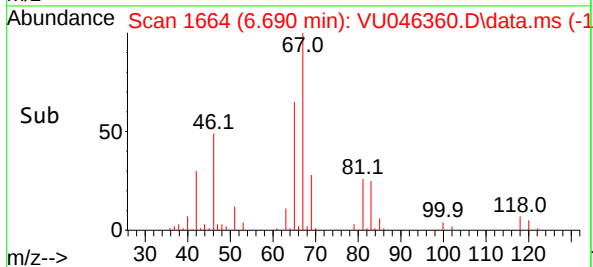
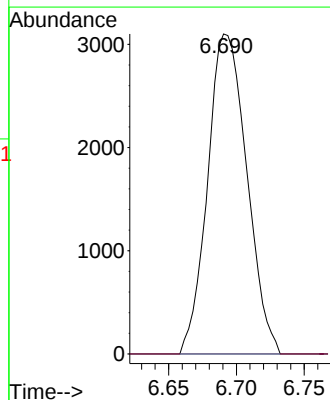
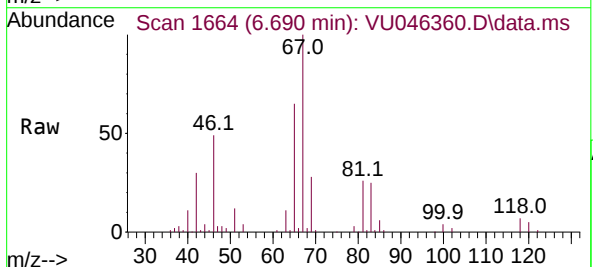
Instrument :
MSVOA_U
ClientSampleId :
EW5R1DL

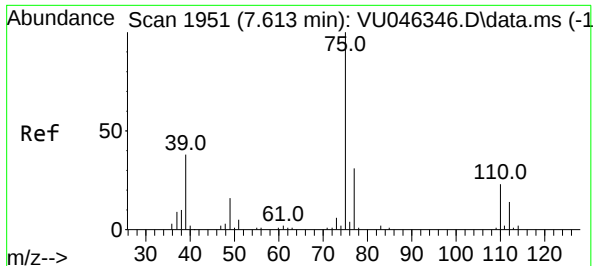
Tgt Ion: 83 Resp: 13835
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.6 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 5.173 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.106 min
Lab File: VU046360.D
Acq: 14 Dec 2021 16:50

Tgt Ion: 63 Resp: 6230
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.839 ug/L

RT: 7.565 min Scan# 1951

Delta R.T. -0.048 min

Lab File: VU046360.D

Acq: 14 Dec 2021 16:50

Instrument :

MSVOA_U

ClientSampleId :

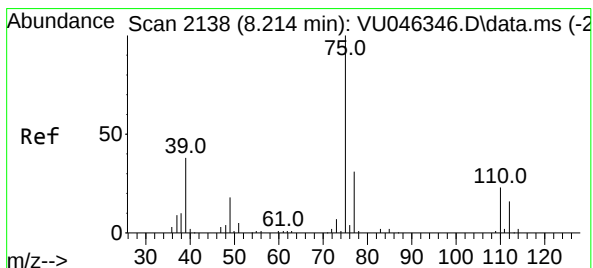
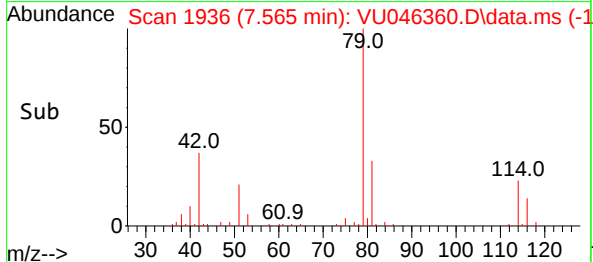
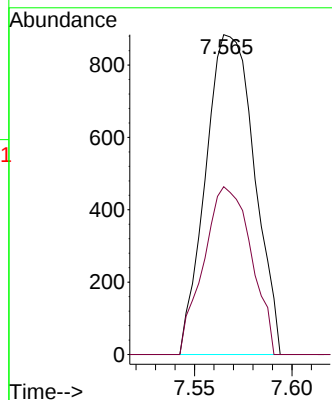
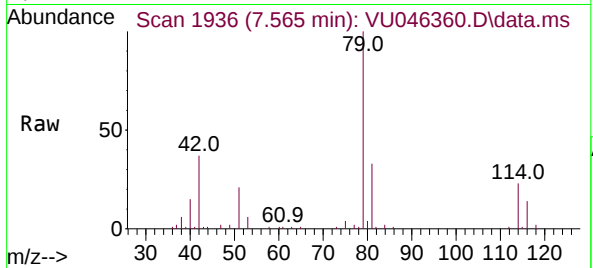
EW5R1DL

Tgt Ion: 75 Resp: 1537

Ion Ratio Lower Upper

75 100

77 52.5 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.631 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.035 min

Lab File: VU046360.D

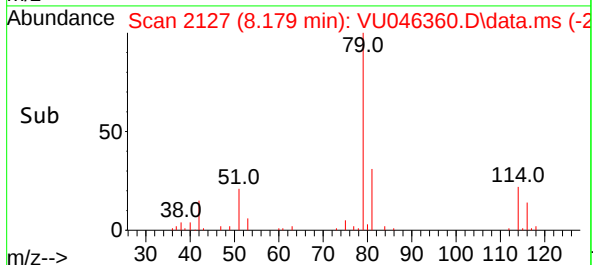
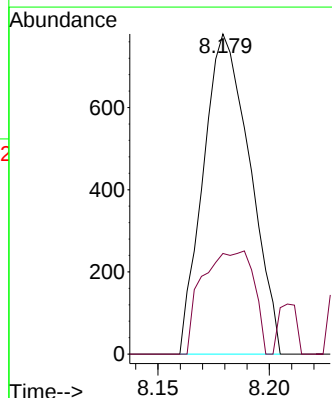
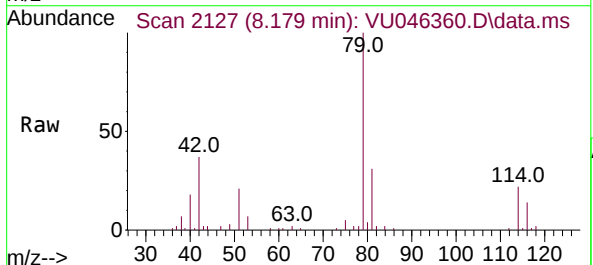
Acq: 14 Dec 2021 16:50

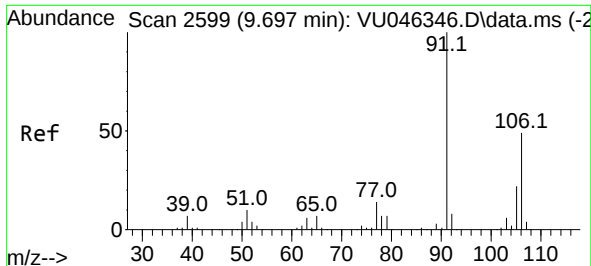
Tgt Ion: 75 Resp: 1136

Ion Ratio Lower Upper

75 100

77 31.5 21.7 40.3

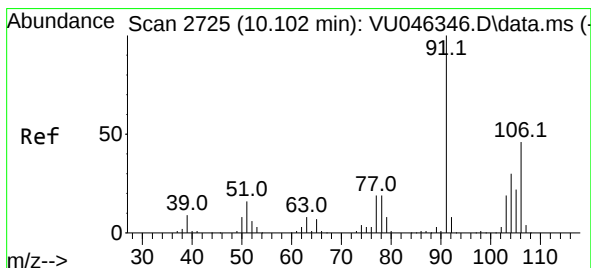
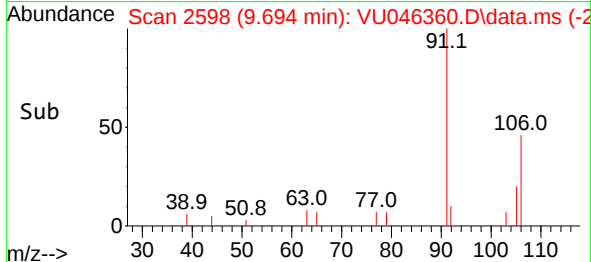
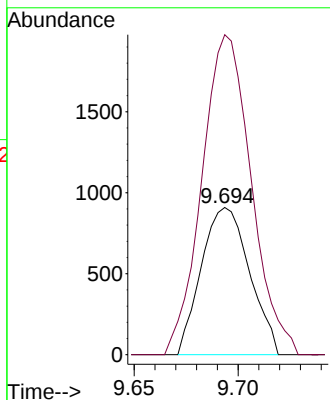
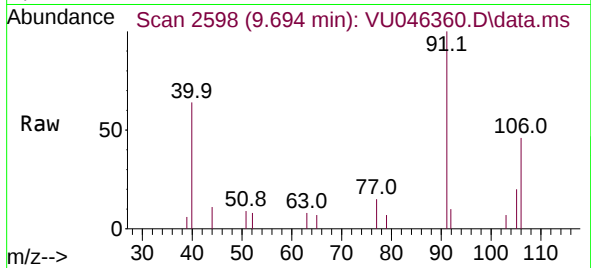




#53
m,p-Xylene
Concen: 0.708 ug/L
RT: 9.694 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046360.D
Acq: 14 Dec 2021 16:50

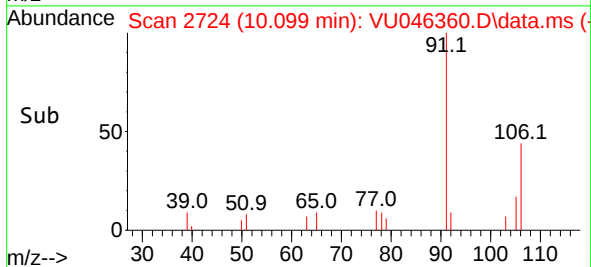
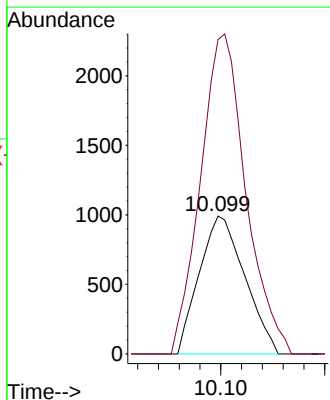
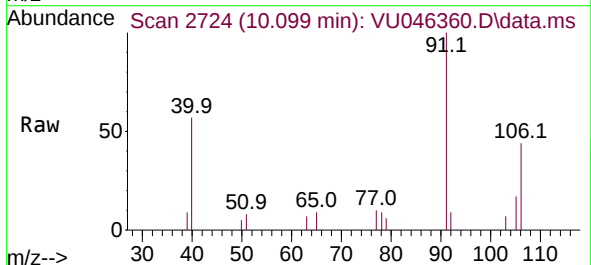
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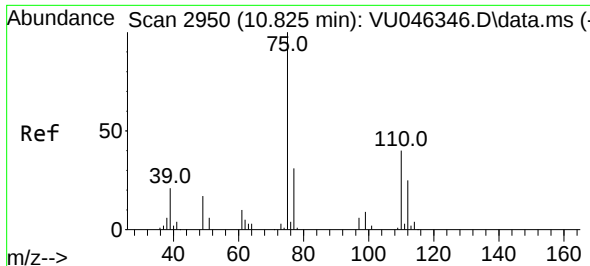
Tgt Ion:106 Resp: 1465
Ion Ratio Lower Upper
106 100
91 217.4 144.3 268.1



#54
o-xylene
Concen: 0.749 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU046360.D
Acq: 14 Dec 2021 16:50

Tgt Ion:106 Resp: 1504
Ion Ratio Lower Upper
106 100
91 227.9 154.2 286.4

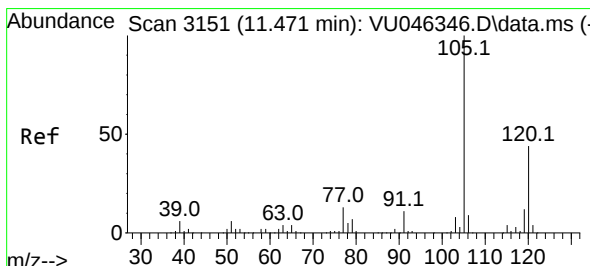
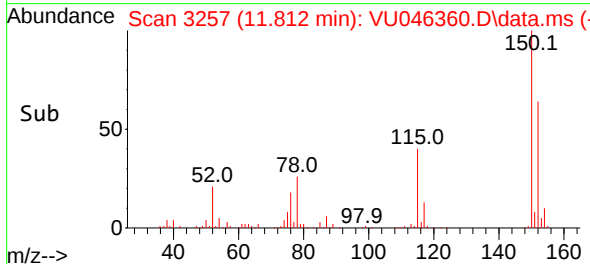
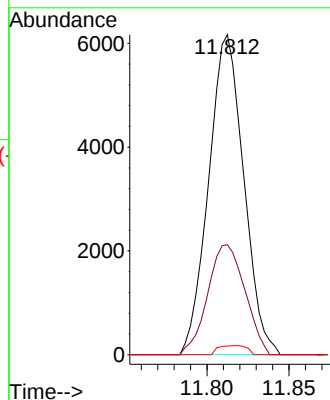
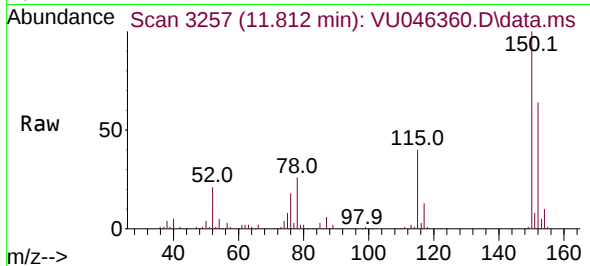




#60
1,2,3-Trichloropropane
Concen: 5.501 ug/L
RT: 11.812 min Scan# 3150
Delta R.T. 0.987 min
Lab File: VU046360.D
Acq: 14 Dec 2021 16:50

Instrument :
MSVOA_U
ClientSampleId :
EW5R1DL

Tgt Ion: 75 Resp: 9148
Ion Ratio Lower Upper
75 100
77 36.5 26.4 39.6
110 2.3 32.4 48.6#



#63
1,2,4-Trimethylbenzene
Concen: 1.955 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046360.D
Acq: 14 Dec 2021 16:50

Tgt Ion: 105 Resp: 8046
Ion Ratio Lower Upper
105 100
120 45.5 35.2 52.8

