

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046348.D
 Acq On : 14 Dec 2021 12:20
 Operator : SY/MD
 Sample : VU1214WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK061

Quant Time: Dec 15 01:41:37 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)

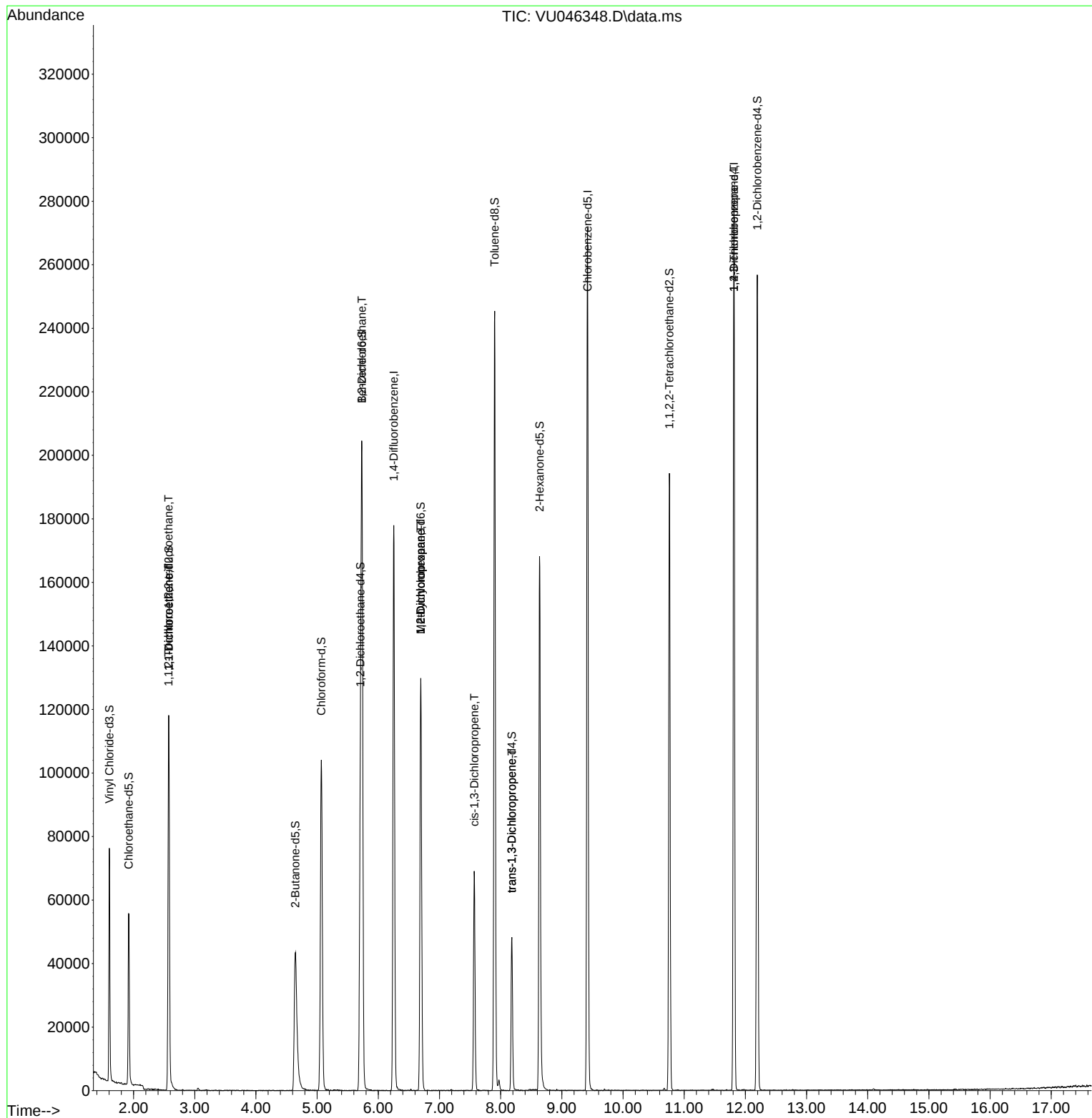
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	142479	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	150243	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	71929	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	52694	44.897	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.800%		
7) Chloroethane-d5	1.919	69	41889	46.485	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.960%		
11) 1,1-Dichloroethene-d2	2.575	63	70891	33.646	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.300%		
21) 2-Butanone-d5	4.646	46	86292	92.488	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.490%		
24) Chloroform-d	5.070	84	100330	51.190	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.380%		
26) 1,2-Dichloroethane-d4	5.707	65	65857	50.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.140%		
32) Benzene-d6	5.732	84	189911	44.101	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.200%		
36) 1,2-Dichloropropane-d6	6.694	67	60789	45.549	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.100%		
41) Toluene-d8	7.903	98	161616	41.220	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.440%		
43) trans-1,3-Dichloroprop...	8.182	79	28165	43.718	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.440%		
47) 2-Hexanone-d5	8.636	63	61616	97.375	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.370%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	95470	47.170	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.340%		
66) 1,2-Dichlorobenzene-d4	12.195	152	65124	47.013	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.020%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	528	0.509	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	444	0.451	ug/L #	1
27) 1,2-Dichloroethane	5.732	62	1018	0.651	ug/L #	73
35) Methylcyclohexane	6.694	83	14516	7.815	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6793	5.703	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1662	0.917	ug/L #	52
44) trans-1,3-Dichloropropene	8.182	75	1187	0.667	ug/L	87
60) 1,2,3-Trichloropropane	11.812	75	8830	5.600	ug/L #	65

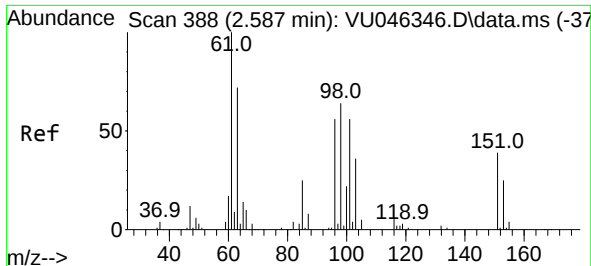
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
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VBLK061

Quant Time: Dec 15 01:41:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 15 01:40:37 2021
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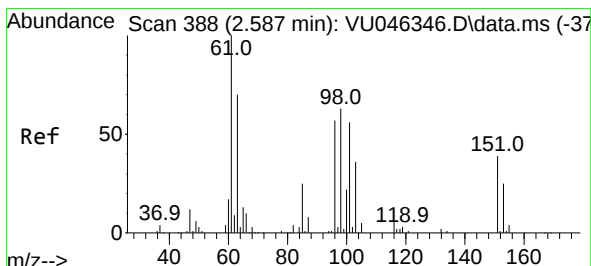
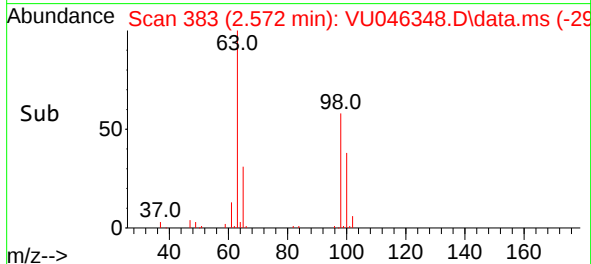
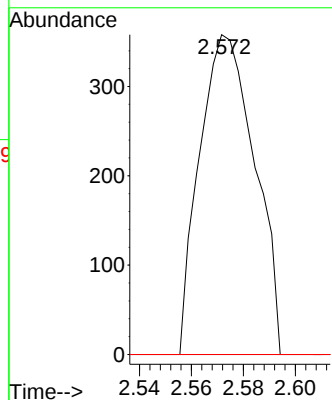
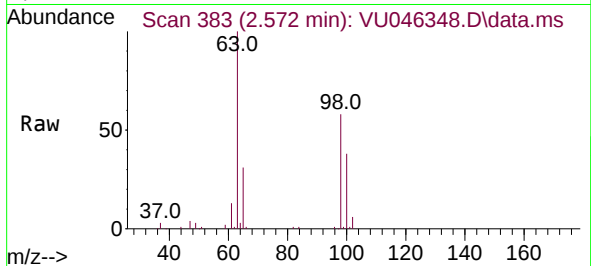




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.509 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046348.D
 Acq: 14 Dec 2021 12:20

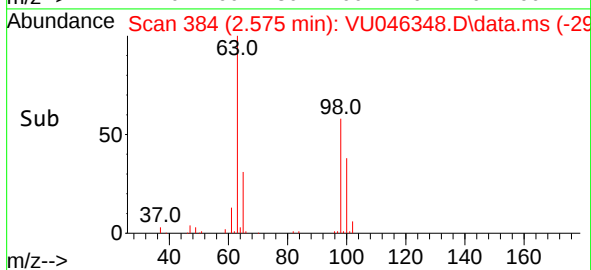
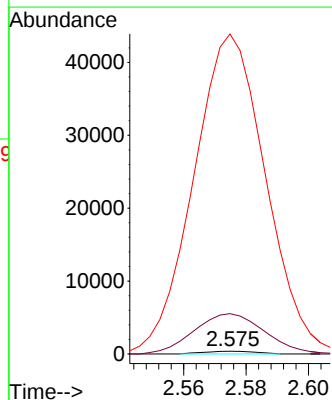
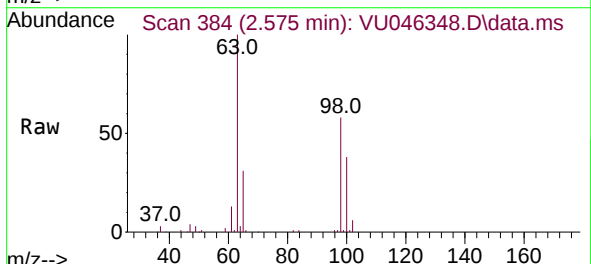
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK061

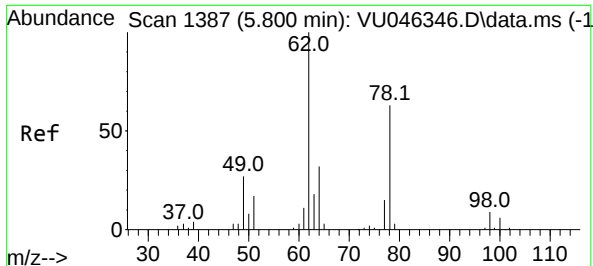
Tgt Ion:101 Resp: 528
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.451 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046348.D
 Acq: 14 Dec 2021 12:20

Tgt Ion: 96 Resp: 444
 Ion Ratio Lower Upper
 96 100
 61 1459.1 118.6 220.2#
 63 11584.2 93.0 172.8#





#27

1,2-Dichloroethane

Concen: 0.651 ug/L

RT: 5.732 min Scan# 1

Delta R.T. -0.067 min

Lab File: VU046348.D

Acq: 14 Dec 2021 12:20

Instrument :

MSVOA_U

ClientSampleId :

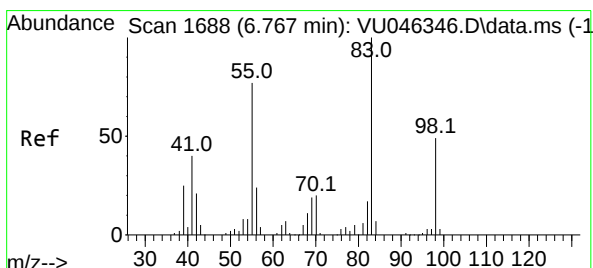
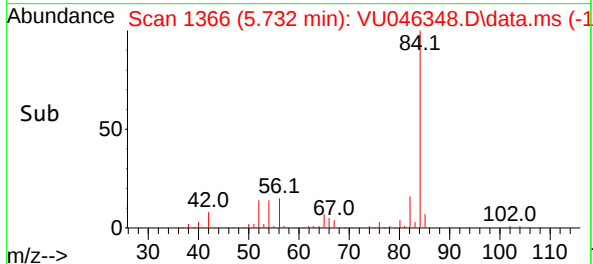
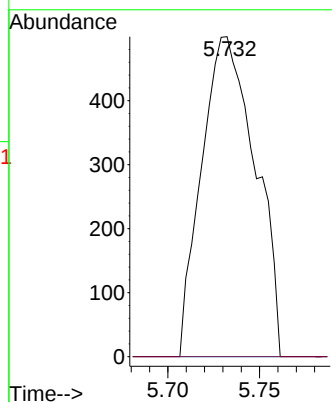
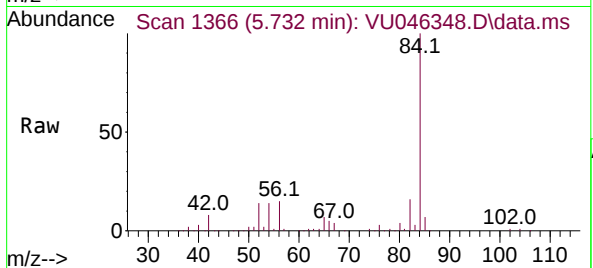
VBLK061

Tgt Ion: 62 Resp: 1018

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#35

Methylcyclohexane

Concen: 7.815 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046348.D

Acq: 14 Dec 2021 12:20

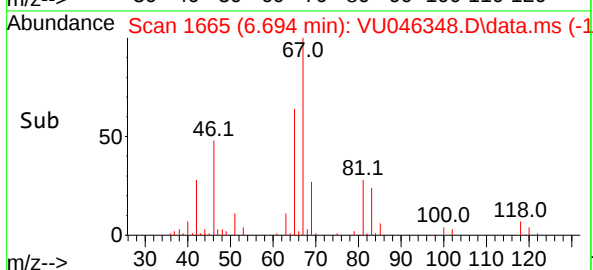
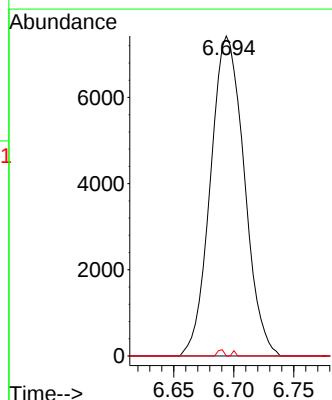
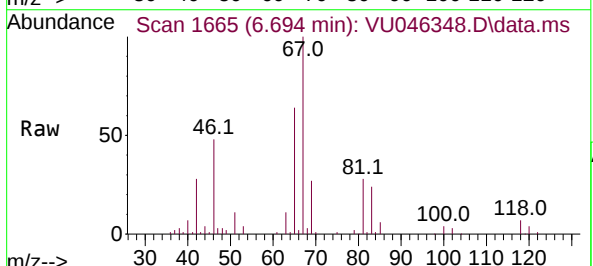
Tgt Ion: 83 Resp: 14516

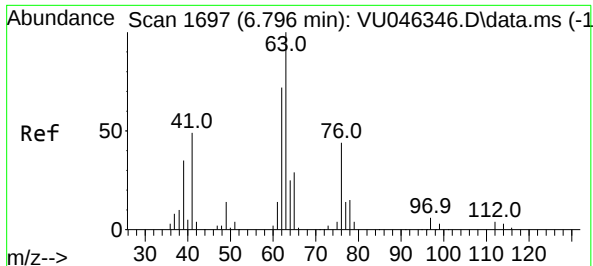
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.4 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.703 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046348.D

Acq: 14 Dec 2021 12:20

Instrument :

MSVOA_U

ClientSampleId :

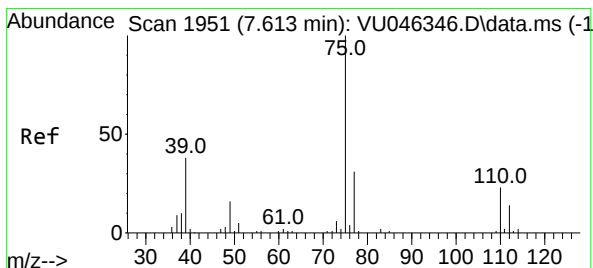
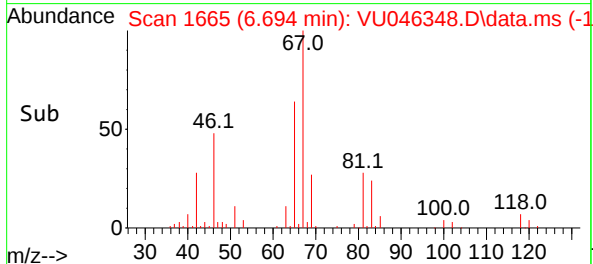
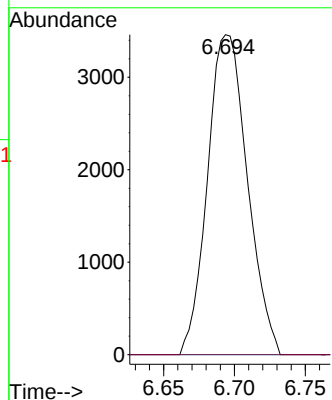
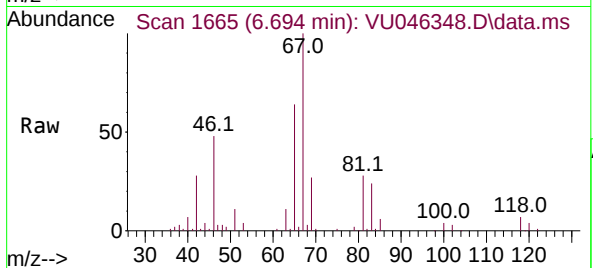
VBLK061

Tgt Ion: 63 Resp: 6793

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.917 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.045 min

Lab File: VU046348.D

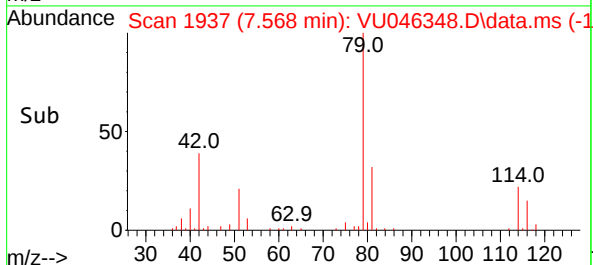
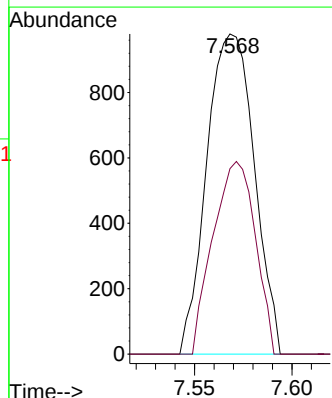
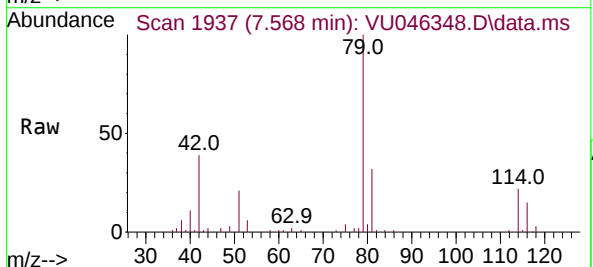
Acq: 14 Dec 2021 12:20

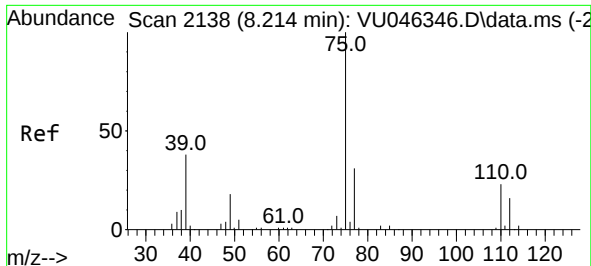
Tgt Ion: 75 Resp: 1662

Ion Ratio Lower Upper

75 100

77 57.9 21.8 40.6#

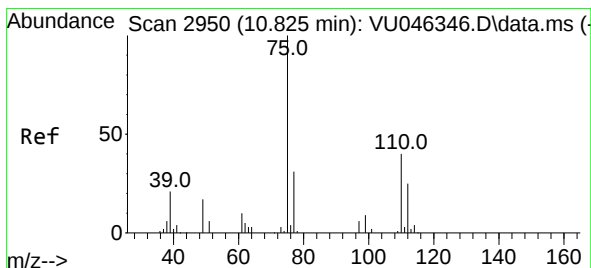
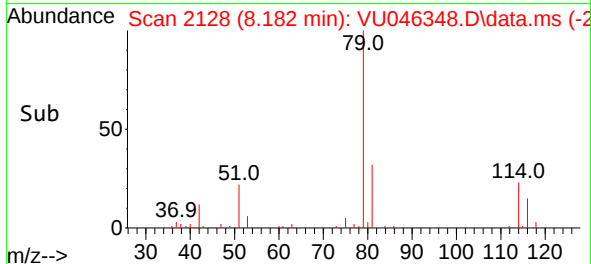
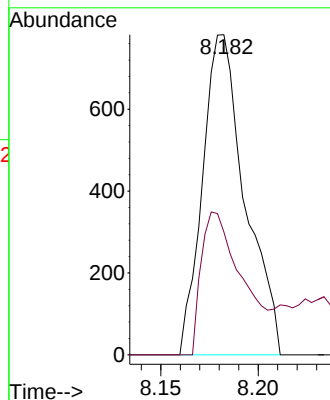
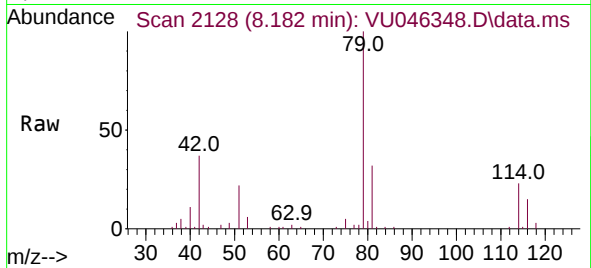




#44
trans-1,3-Dichloropropene
Concen: 0.667 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046348.D
Acq: 14 Dec 2021 12:20

Instrument :
MSVOA_U
ClientSampleId :
VBLK061

Tgt Ion: 75 Resp: 1187
Ion Ratio Lower Upper
75 100
77 38.4 21.7 40.3



#60
1,2,3-Trichloropropane
Concen: 5.600 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046348.D
Acq: 14 Dec 2021 12:20

Tgt Ion: 75 Resp: 8830
Ion Ratio Lower Upper
75 100
77 32.3 26.4 39.6
110 1.7 32.4 48.6#

