

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046307.D
 Acq On : 13 Dec 2021 12:08
 Operator : SY/MD
 Sample : M5023-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 13 13:17:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

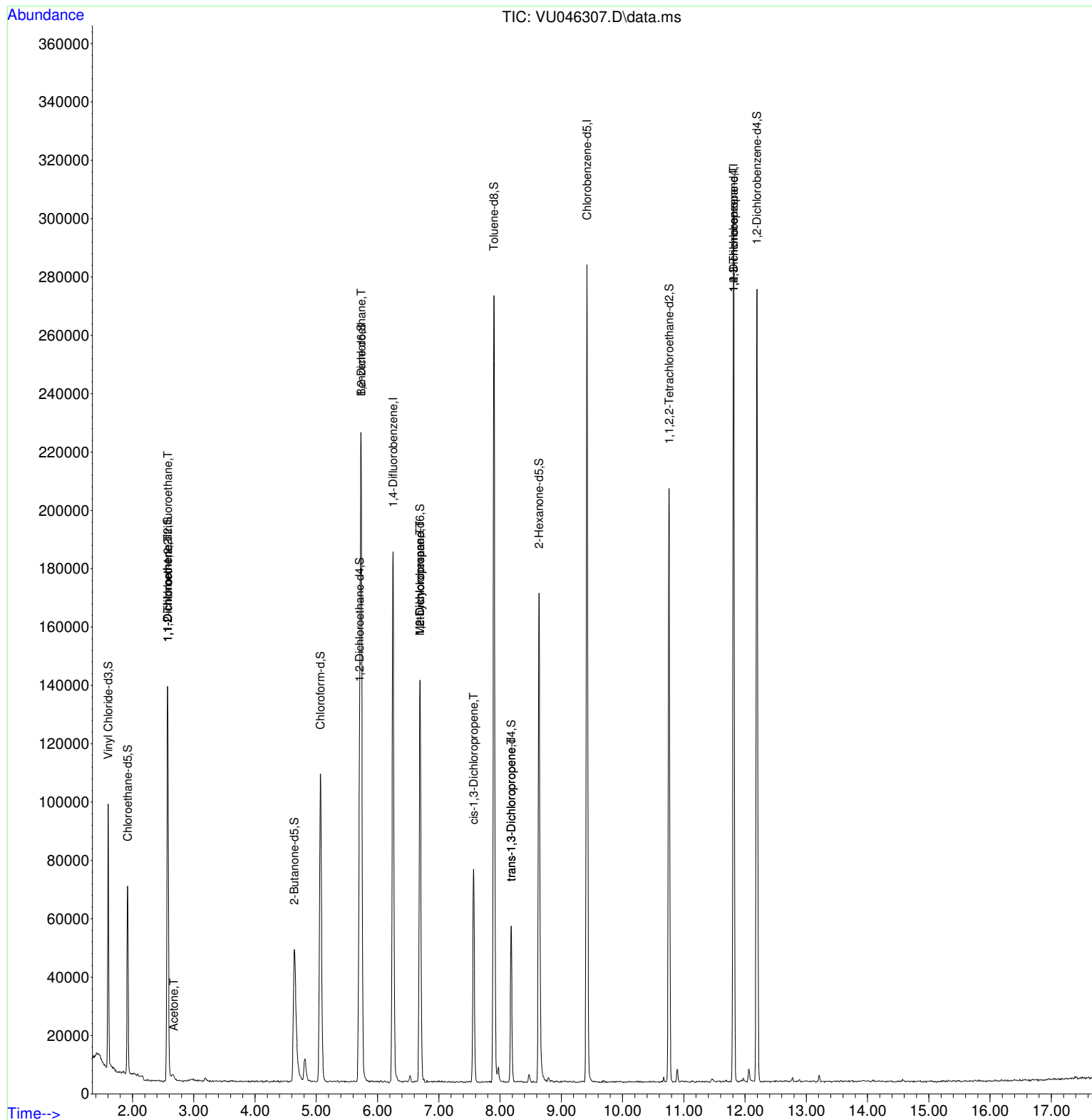
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	146578	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	155829	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	76248	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	64025	53.03	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 106.06%			
7) Chloroethane-d5	1.919	69	46751	50.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.86%			
11) 1,1-Dichloroethene-d2	2.571	63	81953	37.81	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.62%			
21) 2-Butanone-d5	4.642	46	88378	92.07	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.07%			
24) Chloroform-d	5.067	84	99124	49.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.32%			
26) 1,2-Dichloroethane-d4	5.706	65	69594	51.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.86%			
32) Benzene-d6	5.732	84	208090	46.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.18%			
36) 1,2-Dichloropropane-d6	6.694	67	64591	46.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.32%			
41) Toluene-d8	7.899	98	179209	44.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.14%			
43) trans-1,3-Dichloroprop...	8.182	79	30518	45.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.34%			
47) 2-Hexanone-d5	8.636	63	60793	92.63	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 92.63%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	99664	47.48	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 94.96%			
66) 1,2-Dichlorobenzene-d4	12.195	152	68677	46.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.54%			
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	732	0.69	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	620	0.61	ug/L #	1
13) Acetone	2.671	43	3348	2.79	ug/L	99
27) 1,2-Dichloroethane	5.732	62	998	0.62	ug/L #	73
35) Methylcyclohexane	6.694	83	15649	8.12	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7041	5.70	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1871	1.00	ug/L #	72
44) trans-1,3-Dichloropropene	8.182	75	1491	0.81	ug/L	94
60) 1,2,3-Trichloropropane	11.812	75	9631	5.76	ug/L #	65

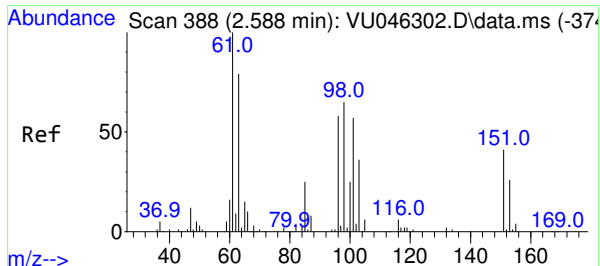
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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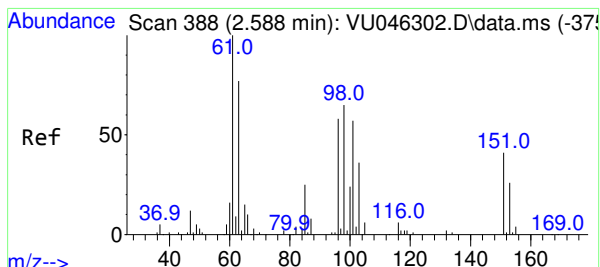
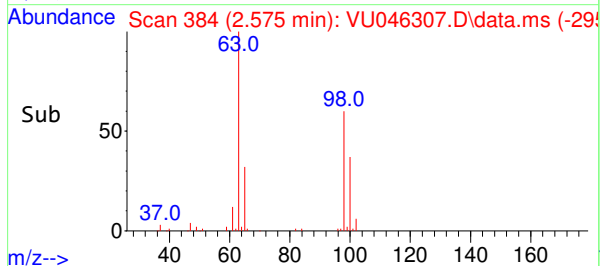
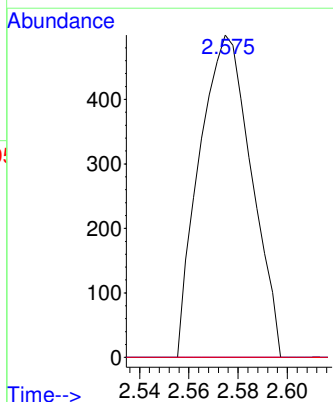
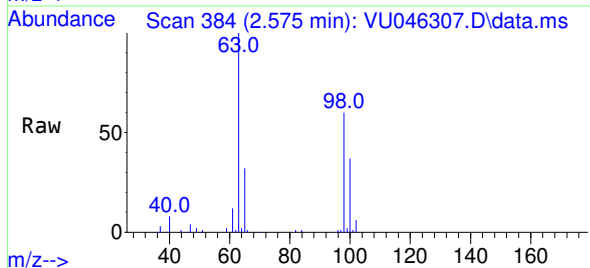




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.69 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046307.D
Acq: 13 Dec 2021 12:08

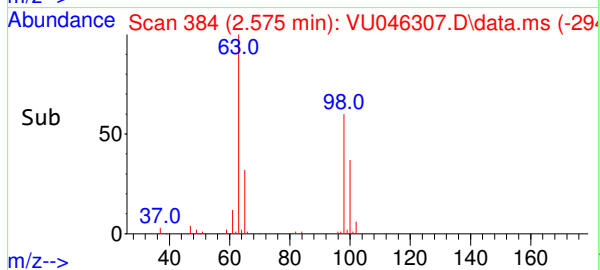
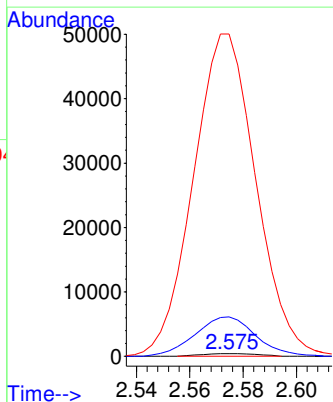
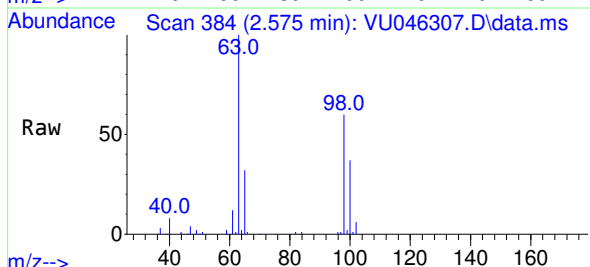
Instrument :
MSVOA_U
ClientSampleId :

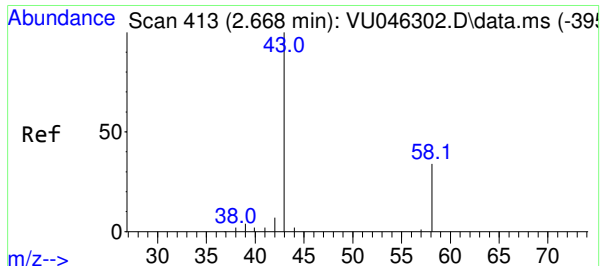
Tgt Ion: 101 Resp: 732
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.61 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU046307.D
Acq: 13 Dec 2021 12:08

Tgt Ion: 96 Resp: 620
Ion Ratio Lower Upper
96 100
61 1502.0 118.6 220.2#
63 12234.7 93.0 172.8#

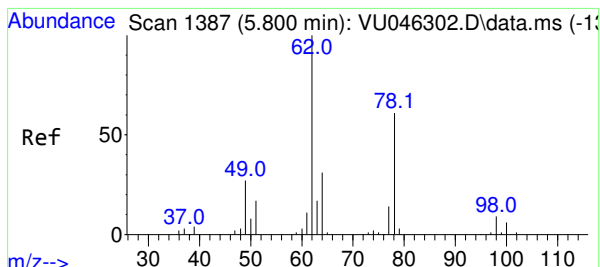
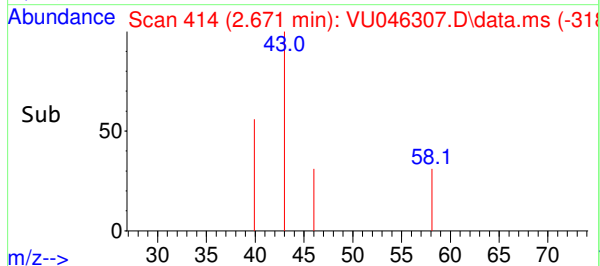
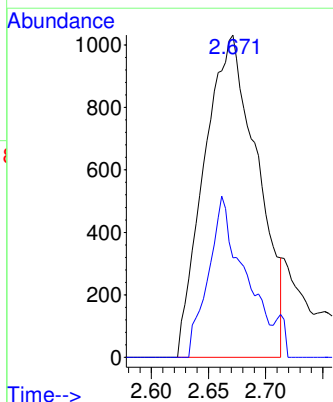
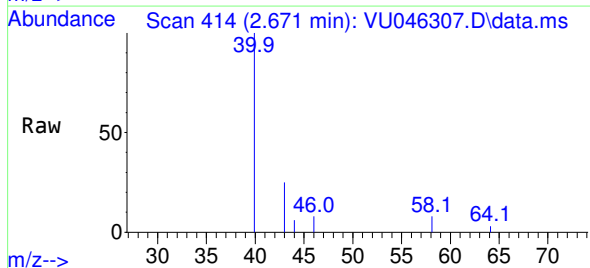




#13
Acetone
Concen: 2.79 ug/L
RT: 2.671 min Scan# 413
Delta R.T. 0.010 min
Lab File: VU046307.D
Acq: 13 Dec 2021 12:08

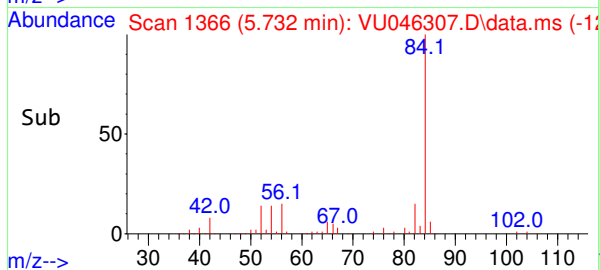
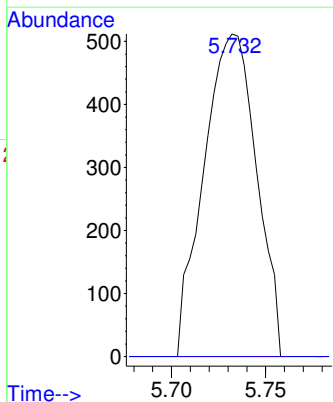
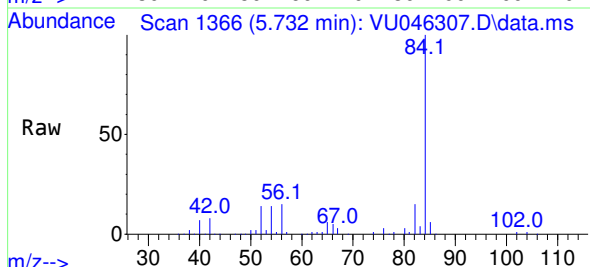
Instrument :
MSVOA_U
ClientSampleId :

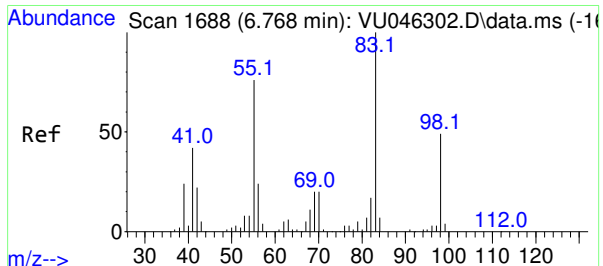
Tgt Ion: 43 Resp: 3348
Ion Ratio Lower Upper
43 100
58 34.2 0.0 66.8



#27
1,2-Dichloroethane
Concen: 0.62 ug/L
RT: 5.732 min Scan# 1366
Delta R.T. -0.068 min
Lab File: VU046307.D
Acq: 13 Dec 2021 12:08

Tgt Ion: 62 Resp: 998
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#

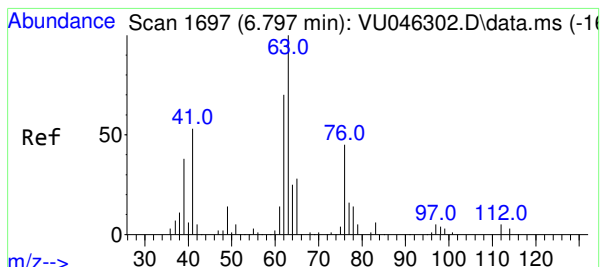
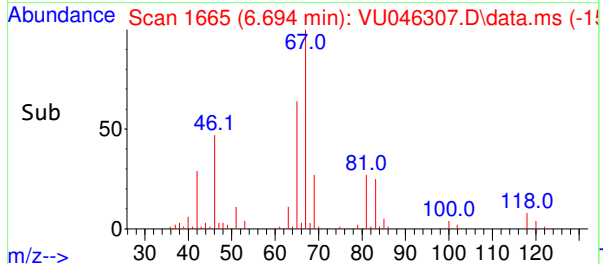
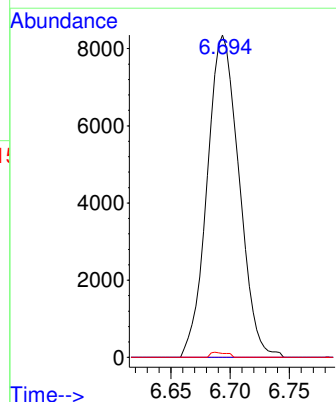
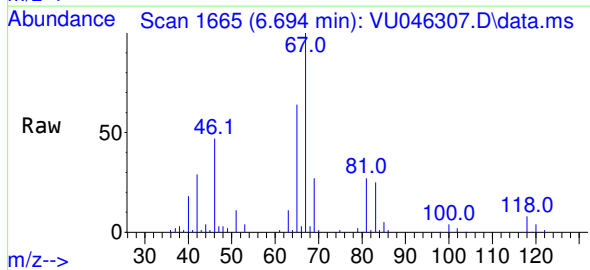




#35
Methylcyclohexane
Concen: 8.12 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046307.D
Acq: 13 Dec 2021 12:08

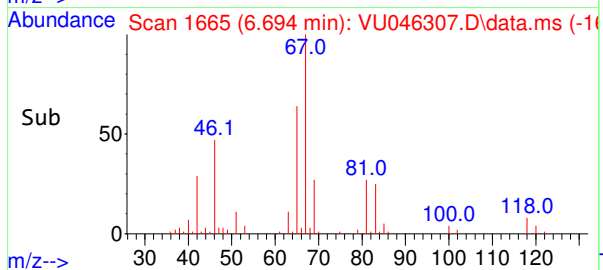
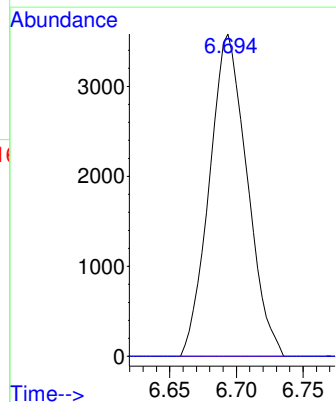
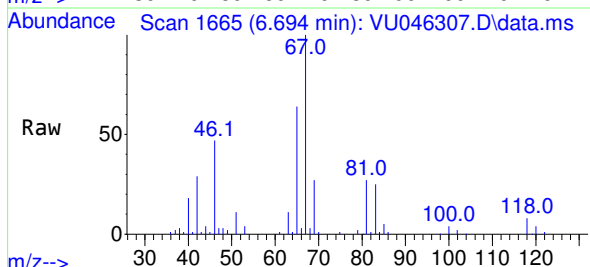
Instrument :
MSVOA_U
ClientSampleId :

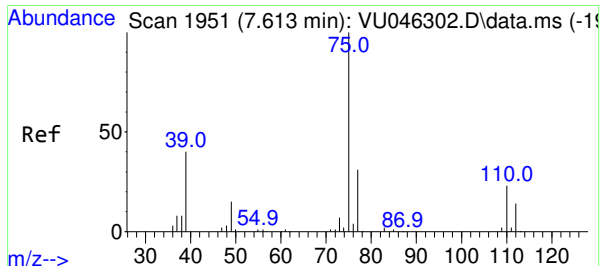
Tgt Ion: 83 Resp: 15649
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.7 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 5.70 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046307.D
Acq: 13 Dec 2021 12:08

Tgt Ion: 63 Resp: 7041
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#

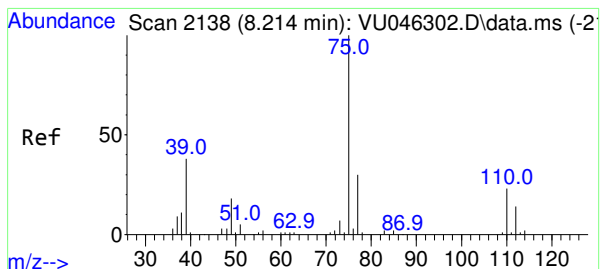
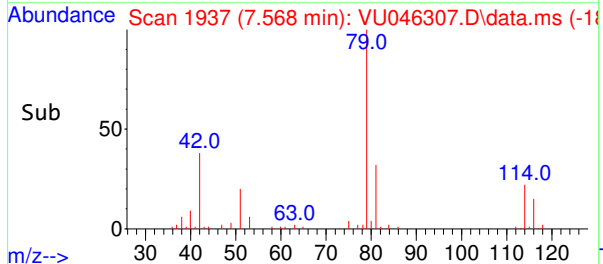
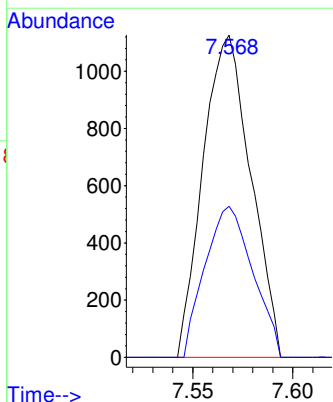
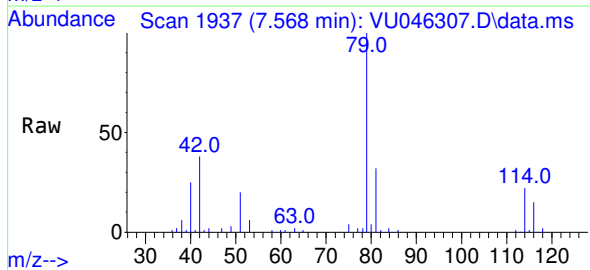




#39
cis-1,3-Dichloropropene
Concen: 1.00 ug/L
RT: 7.568 min Scan# 1
Delta R.T. -0.042 min
Lab File: VU046307.D
Acq: 13 Dec 2021 12:08

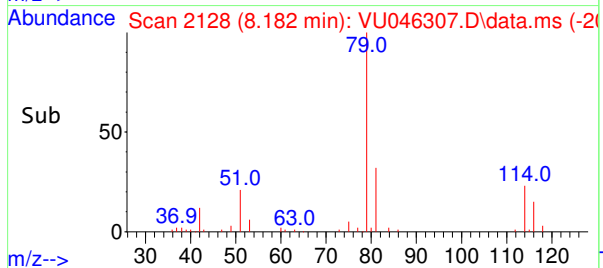
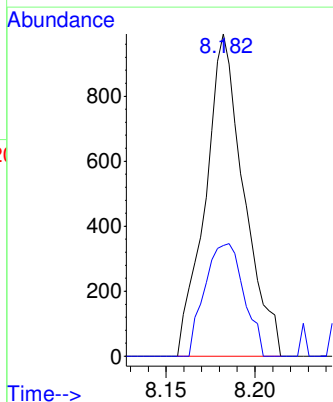
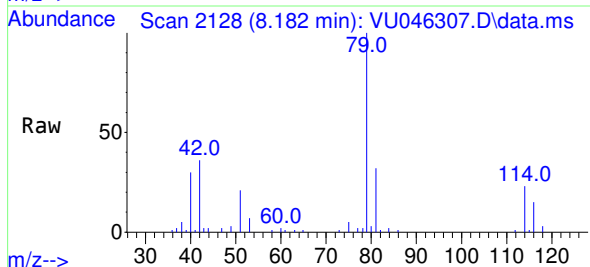
Instrument :
MSVOA_U
ClientSampleId :

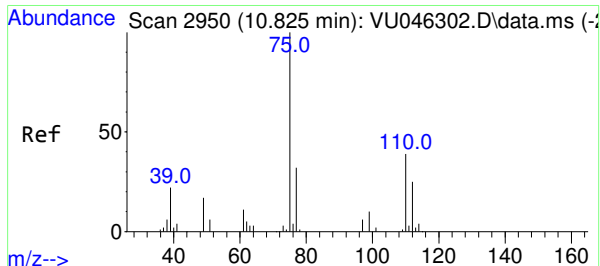
Tgt Ion: 75 Resp: 1871
Ion Ratio Lower Upper
75 100
77 46.9 21.8 40.6#



#44
trans-1,3-Dichloropropene
Concen: 0.81 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU046307.D
Acq: 13 Dec 2021 12:08

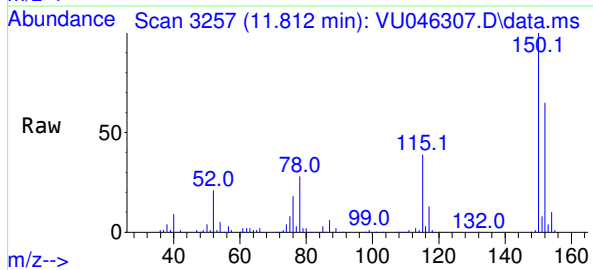
Tgt Ion: 75 Resp: 1491
Ion Ratio Lower Upper
75 100
77 34.4 21.7 40.3





#60
 1,2,3-Trichloropropane
 Concen: 5.76 ug/L
 RT: 11.812 min Scan# 3
 Delta R.T. 0.987 min
 Lab File: VU046307.D
 Acq: 13 Dec 2021 12:08

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Tgt Ion:	75	Resp:	9631
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.4	39.6
110	2.5	32.4	48.6#

