

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046324.D
 Acq On : 13 Dec 2021 18:35
 Operator : SY/MD
 Sample : M4971-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 14 03:53:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

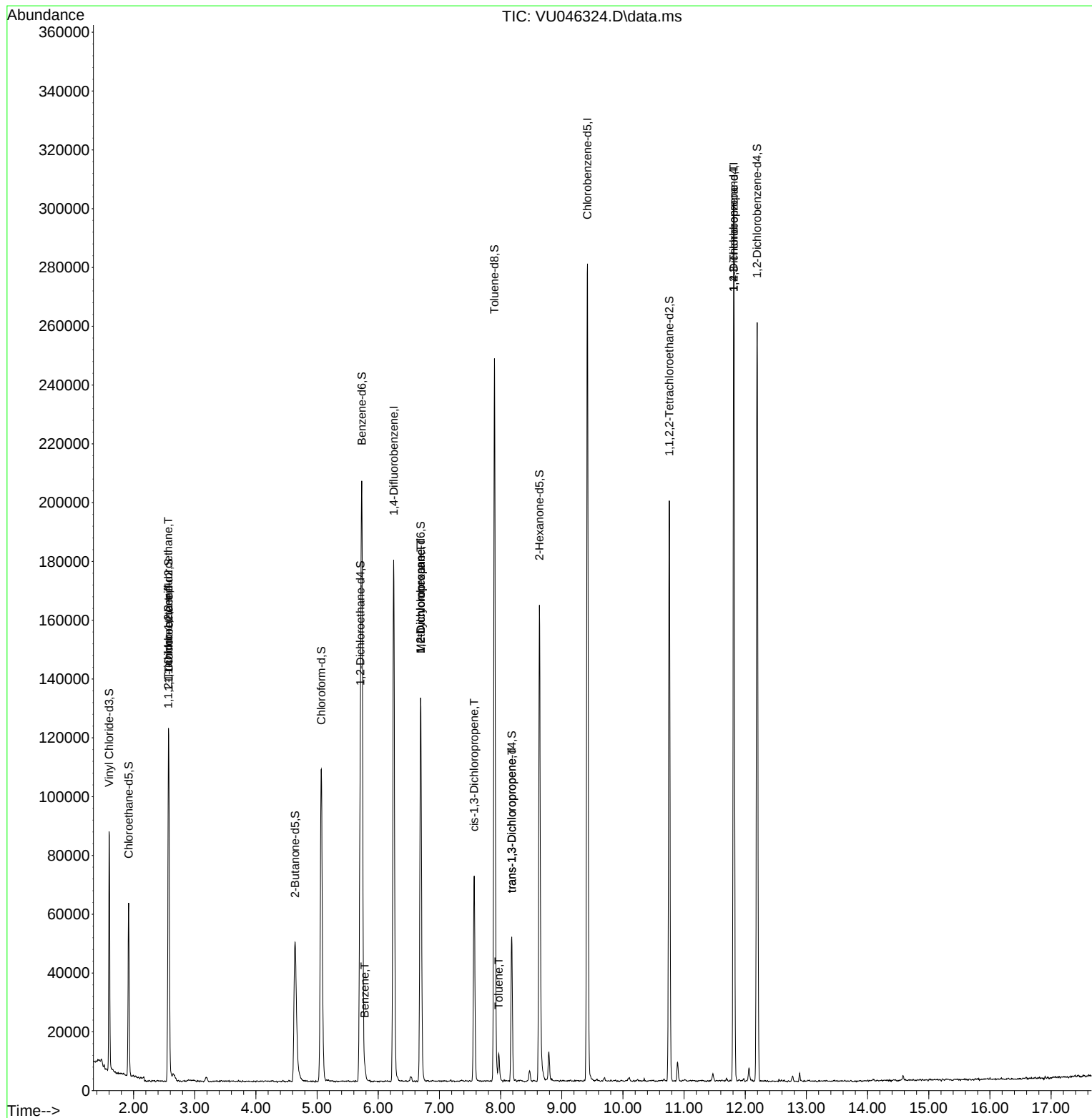
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	143671	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	153978	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	75810	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	57135	48.277	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.560%		
7) Chloroethane-d5	1.919	69	42298	46.549	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.100%		
11) 1,1-Dichloroethene-d2	2.571	63	71795	33.793	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.580%		
21) 2-Butanone-d5	4.639	46	86055	91.468	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.470%		
24) Chloroform-d	5.070	84	94329	47.729	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.460%		
26) 1,2-Dichloroethane-d4	5.706	65	65168	49.133	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.260%		
32) Benzene-d6	5.732	84	192764	43.678	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.360%		
36) 1,2-Dichloropropane-d6	6.693	67	61653	45.076	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.160%		
41) Toluene-d8	7.899	98	162913	40.543	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.080%		
43) trans-1,3-Dichloroprop...	8.182	79	28427	43.054	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.100%		
47) 2-Hexanone-d5	8.635	63	57253	88.285	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.290%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	95845	46.207	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.420%		
66) 1,2-Dichlorobenzene-d4	12.195	152	66017	45.218	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.440%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	579	0.554	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	472	0.475	ug/L #	1
33) Benzene	5.777	78	3441	0.738	ug/L	100
35) Methylcyclohexane	6.693	83	14933	7.844	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6707	5.494	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1727	0.930	ug/L #	50
42) Toluene	7.970	91	6890	1.378	ug/L	94
44) trans-1,3-Dichloropropene	8.182	75	1206	0.661	ug/L #	74
60) 1,2,3-Trichloropropane	11.812	75	9448	5.685	ug/L #	65

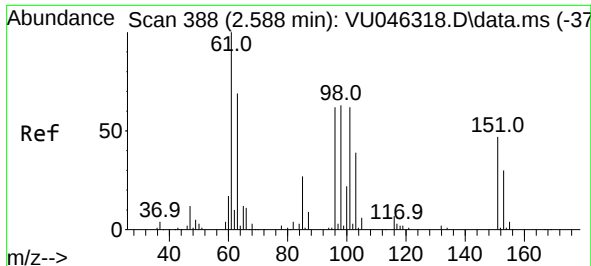
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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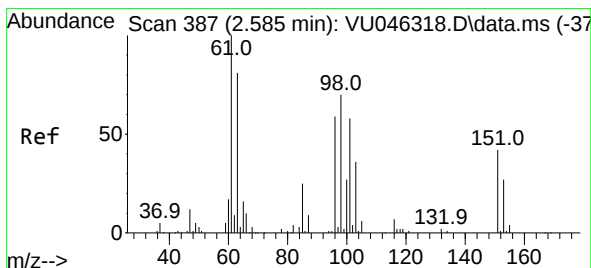
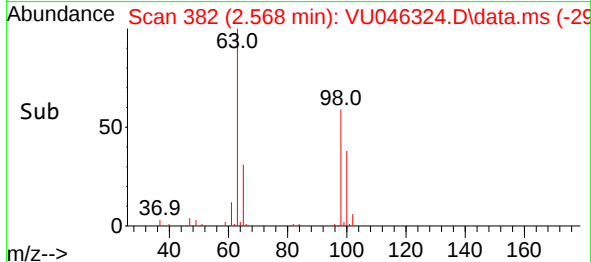
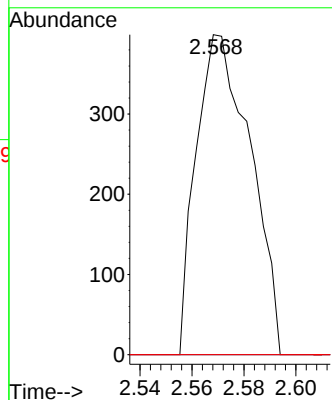
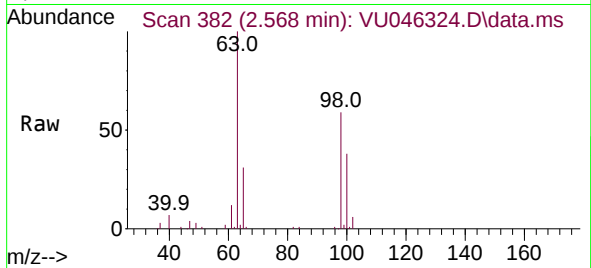




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.554 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.020 min
Lab File: VU046324.D
Acq: 13 Dec 2021 18:35

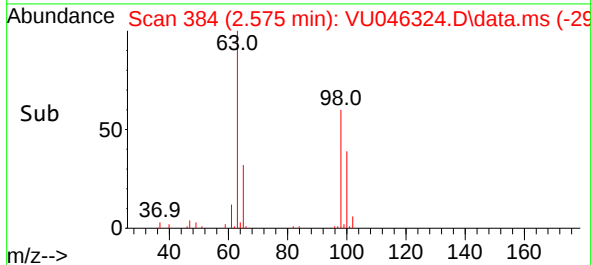
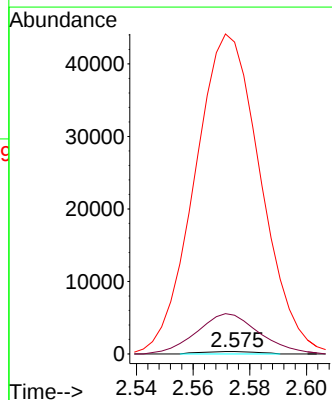
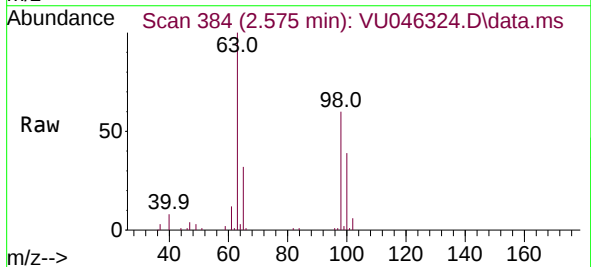
Instrument :
MSVOA_U
ClientSampleId :

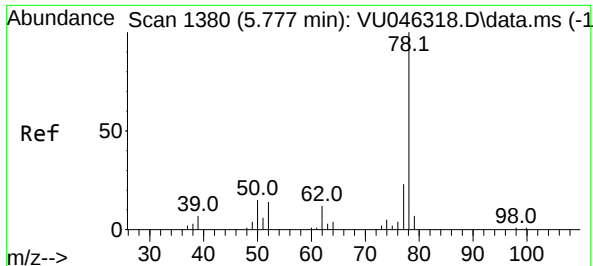
Tgt Ion:101 Resp: 579
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.475 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU046324.D
Acq: 13 Dec 2021 18:35

Tgt Ion: 96 Resp: 472
Ion Ratio Lower Upper
96 100
61 1609.6 118.6 220.2#
63 12956.6 93.0 172.8#

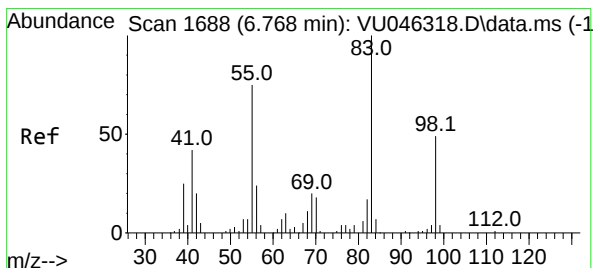
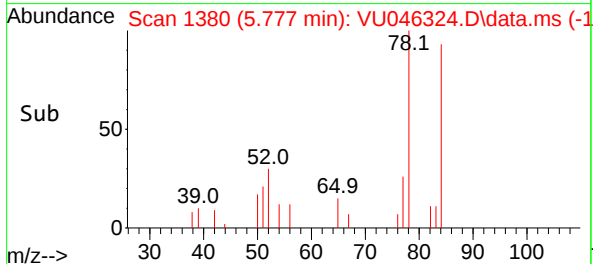
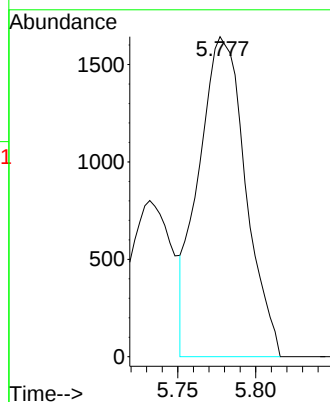
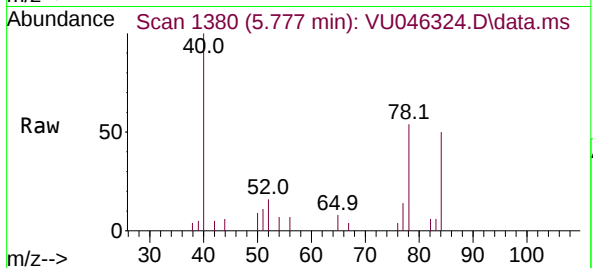




#33
Benzene
Concen: 0.738 ug/L
RT: 5.777 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046324.D
Acq: 13 Dec 2021 18:35

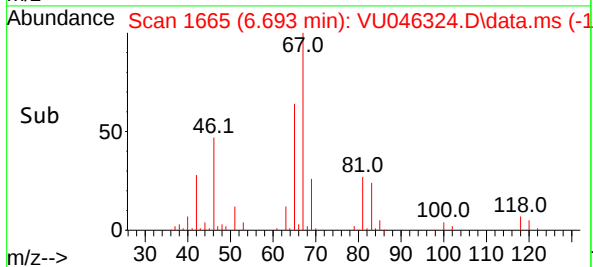
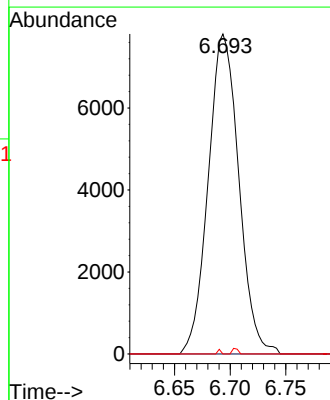
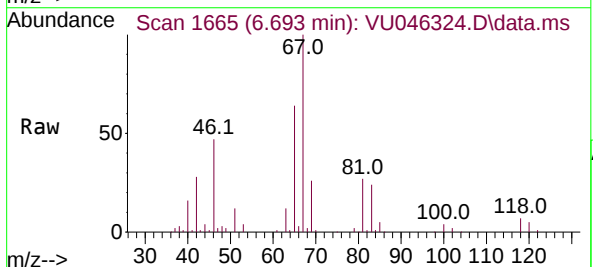
Instrument :
MSVOA_U
ClientSampleId :

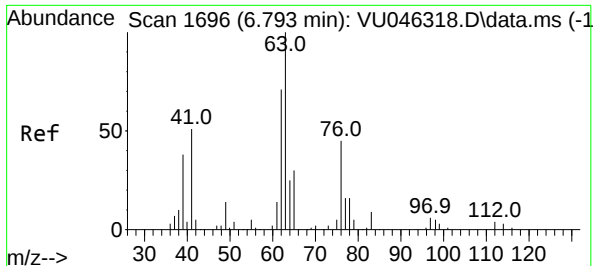
Tgt Ion: 78 Resp: 3441



#35
Methylcyclohexane
Concen: 7.844 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046324.D
Acq: 13 Dec 2021 18:35

Tgt Ion: 83 Resp: 14933
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: 5.494 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046324.D

Acq: 13 Dec 2021 18:35

Instrument :

MSVOA_U

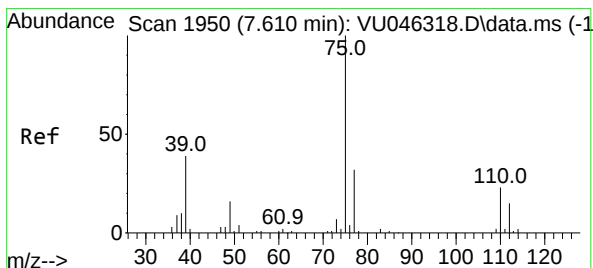
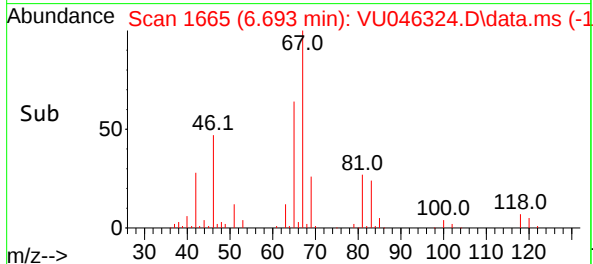
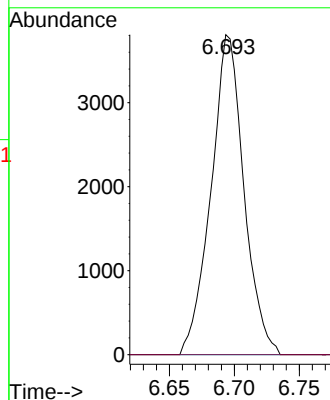
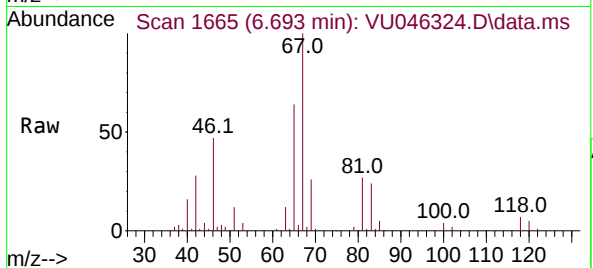
ClientSampleId :

Tgt Ion: 63 Resp: 6707

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.930 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046324.D

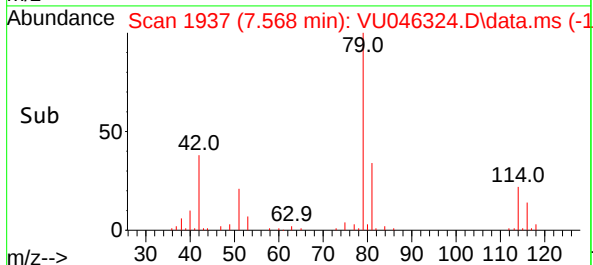
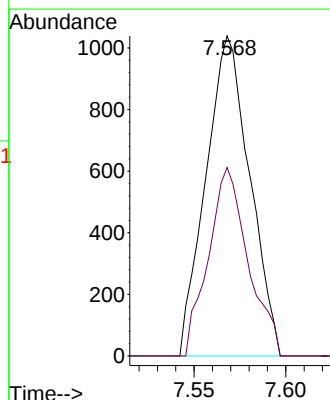
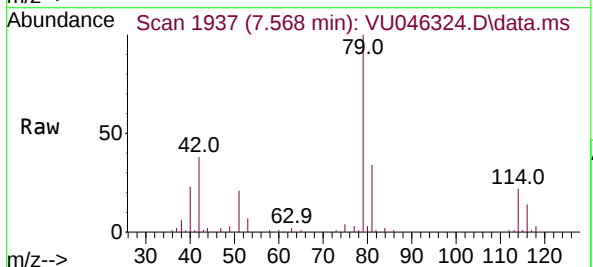
Acq: 13 Dec 2021 18:35

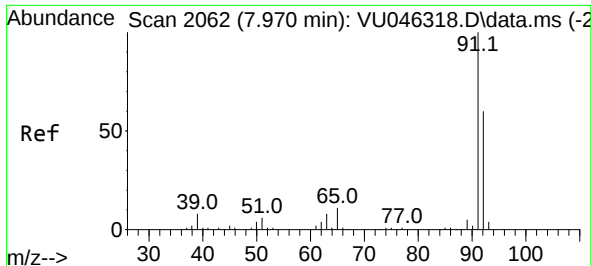
Tgt Ion: 75 Resp: 1727

Ion Ratio Lower Upper

75 100

77 58.9 21.8 40.6#





#42

Toluene

Concen: 1.378 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU046324.D

Acq: 13 Dec 2021 18:35

Instrument :

MSVOA_U

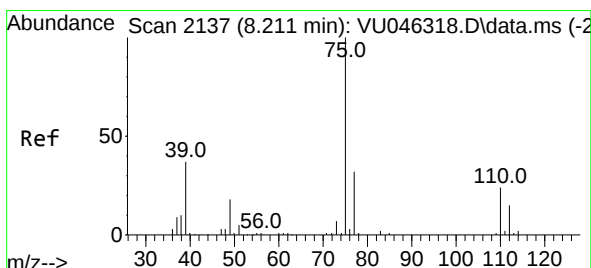
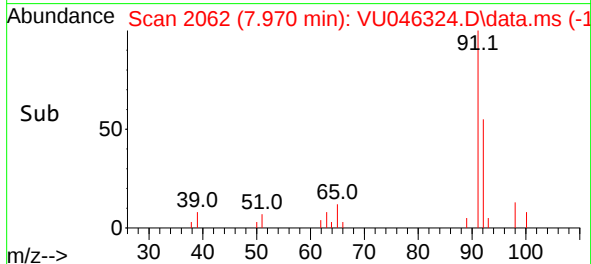
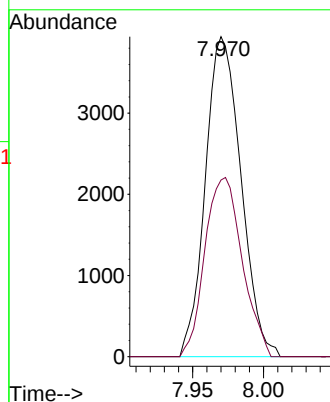
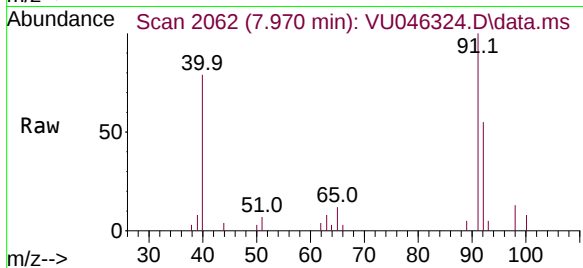
ClientSampleId :

Tgt Ion: 91 Resp: 6890

Ion Ratio Lower Upper

91 100

92 55.2 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.661 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU046324.D

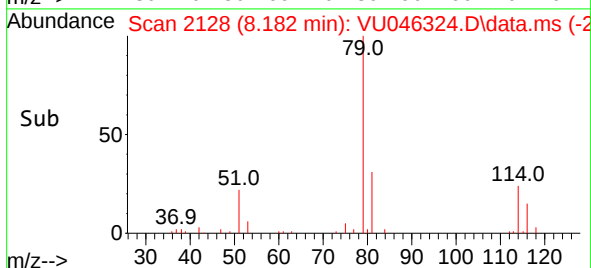
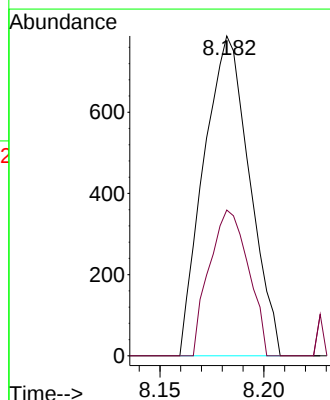
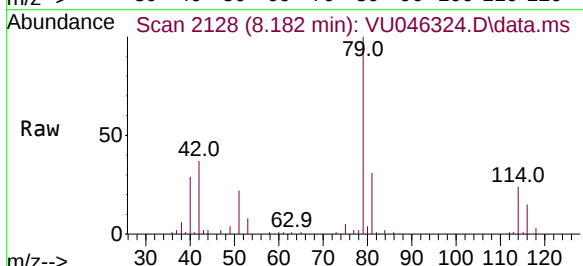
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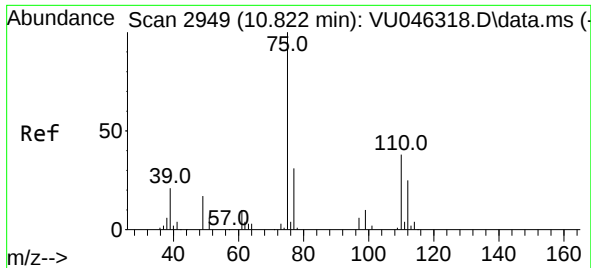
Tgt Ion: 75 Resp: 1206

Ion Ratio Lower Upper

75 100

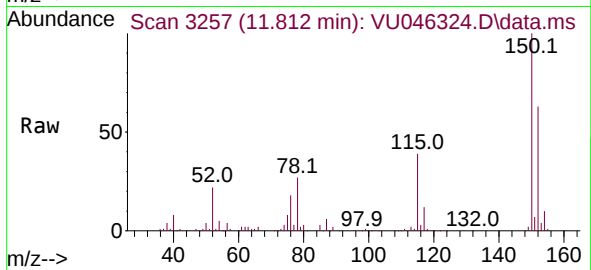
77 45.6 21.7 40.3#





#60
 1,2,3-Trichloropropane
 Concen: 5.685 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU046324.D
 Acq: 13 Dec 2021 18:35

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 9448
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.4 39.6
 110 1.5 32.4 48.6#

