

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046421.D
 Acq On : 16 Dec 2021 15:16
 Operator : SY/MD
 Sample : M5038-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:52:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

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

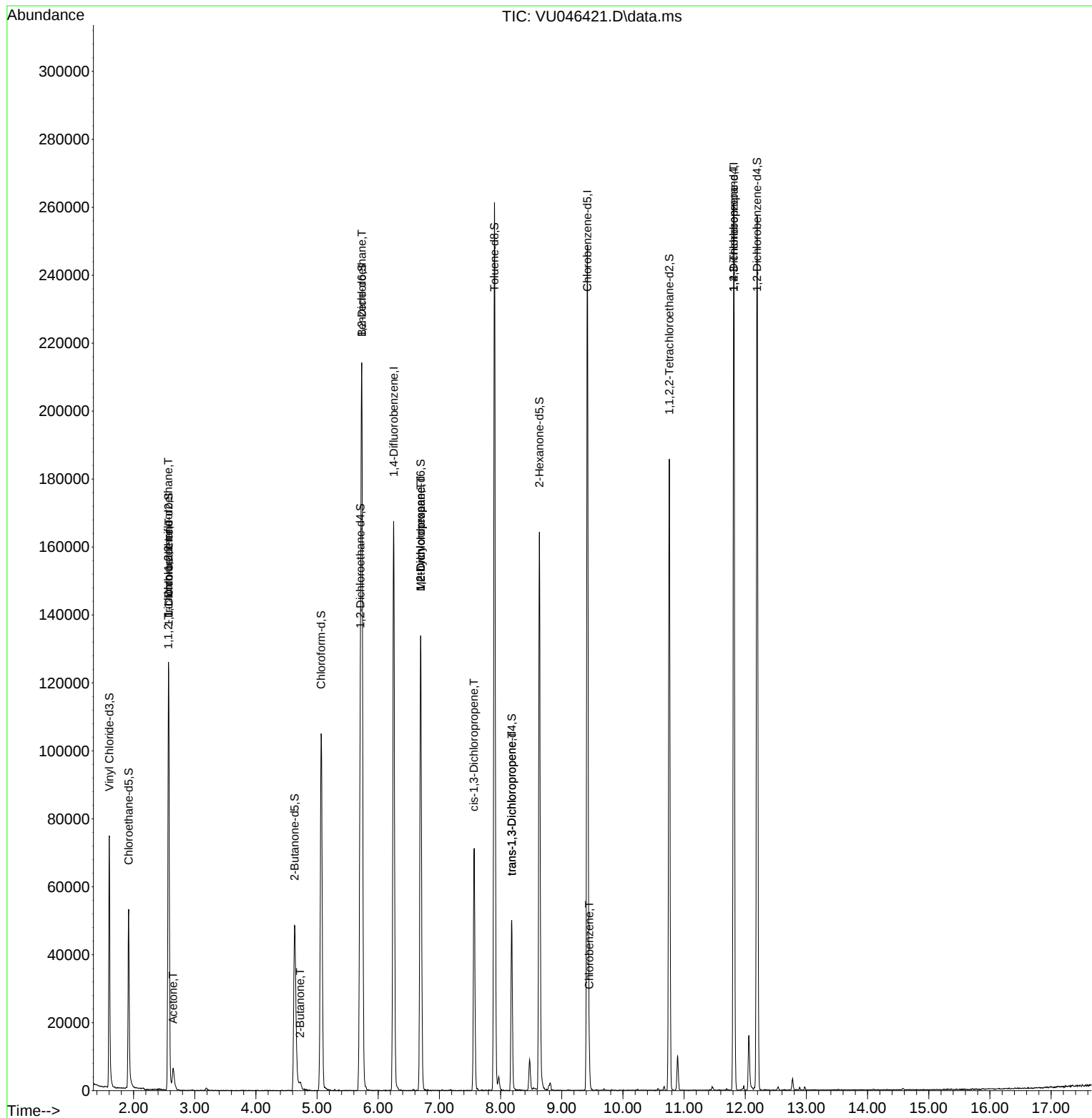
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	134188	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	137956	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	67487	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	59196	53.553	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 107.100%	
7) Chloroethane-d5	1.919	69	42862	50.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 101.000%	
11) 1,1-Dichloroethene-d2	2.572	63	75220	37.907	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 75.820%	
21) 2-Butanone-d5	4.633	46	77408	88.092	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 88.090%	
24) Chloroform-d	5.067	84	98862	53.557	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.120%	
26) 1,2-Dichloroethane-d4	5.707	65	67720	54.665	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.340%	
32) Benzene-d6	5.732	84	198771	50.270	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 100.540%	
36) 1,2-Dichloropropane-d6	6.694	67	61079	49.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 99.680%	
41) Toluene-d8	7.899	98	171363	47.599	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 95.200%	
43) trans-1,3-Dichloroprop...	8.182	79	28977	48.984	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 97.960%	
47) 2-Hexanone-d5	8.636	63	58237	100.232	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 100.230%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	88753	47.757	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 95.520%	
66) 1,2-Dichlorobenzene-d4	12.195	152	65123	50.107	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 100.220%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	582	0.596	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	510	0.550	ug/L #	1
13) Acetone	2.646	43	9522	8.671	ug/L	95
22) 2-Butanone	4.723	43	3445	2.882	ug/L #	72
27) 1,2-Dichloroethane	5.732	62	1059	0.719	ug/L #	73
35) Methylcyclohexane	6.694	83	14725	8.633	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6792	6.210	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1870	1.124	ug/L #	65
44) trans-1,3-Dichloropropene	8.182	75	1204	0.737	ug/L #	80
51) Chlorobenzene	9.449	112	4934	1.702	ug/L	95
60) 1,2,3-Trichloropropane	11.812	75	8641	5.841	ug/L #	62

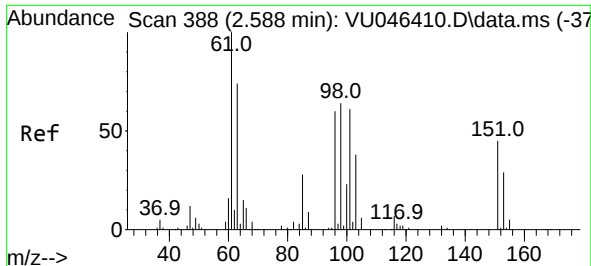
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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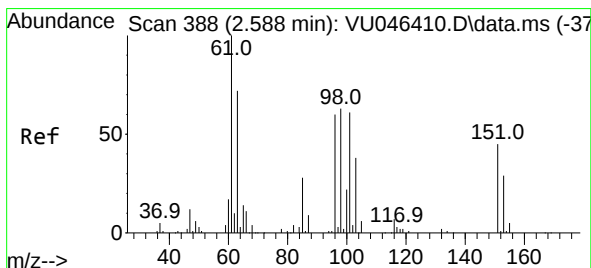
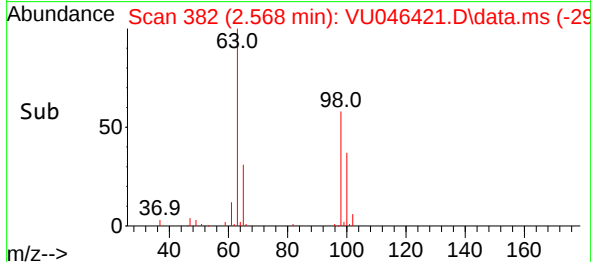
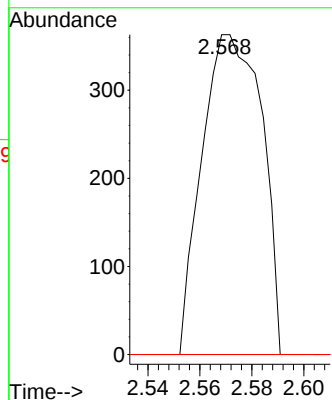
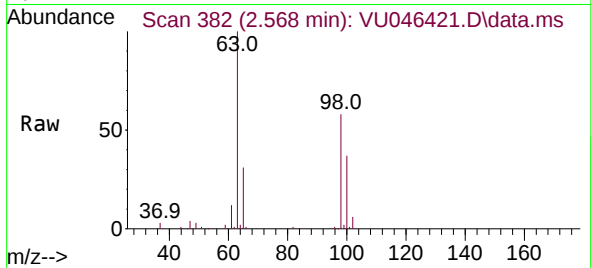




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.596 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU046421.D
 Acq: 16 Dec 2021 15:16

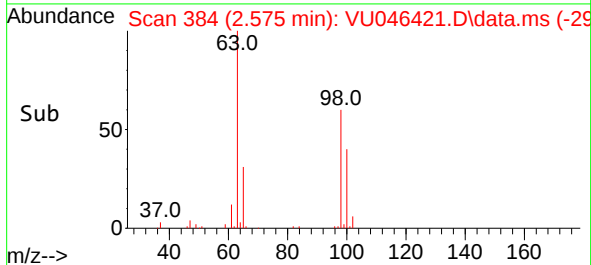
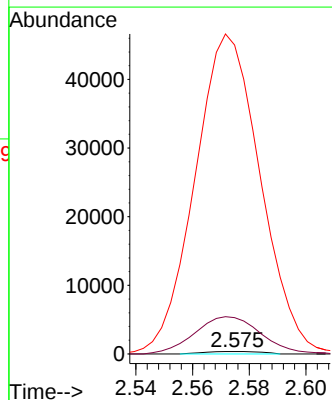
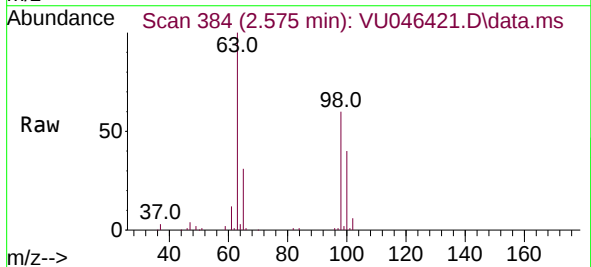
Instrument :
 MSVOA_U
 ClientSampleId :

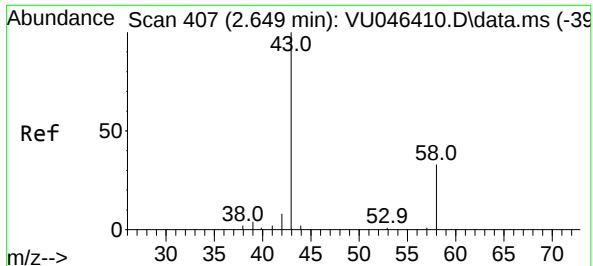
Tgt Ion:101 Resp: 582
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.550 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046421.D
 Acq: 16 Dec 2021 15:16

Tgt Ion: 96 Resp: 510
 Ion Ratio Lower Upper
 96 100
 61 1470.8 118.6 220.2#
 63 12502.2 93.0 172.8#





#13

Acetone

Concen: 8.671 ug/L

RT: 2.646 min Scan# 407

Delta R.T. -0.003 min

Lab File: VU046421.D

Acq: 16 Dec 2021 15:16

Instrument :

MSVOA_U

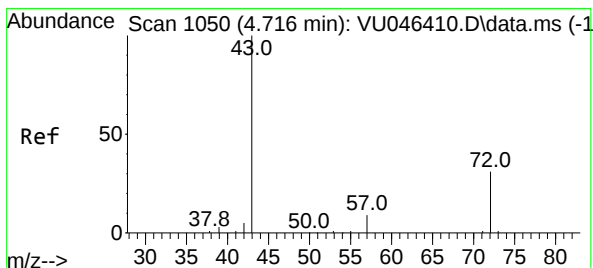
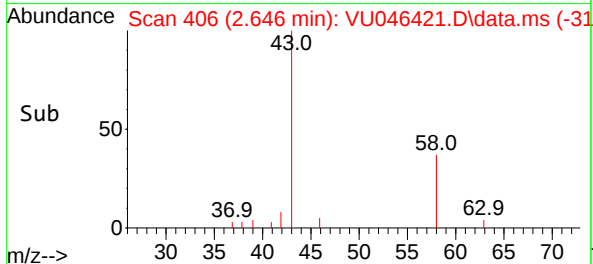
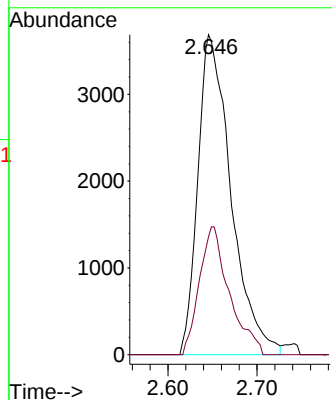
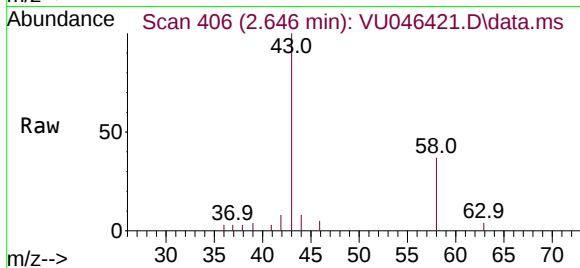
ClientSampleId :

Tgt Ion: 43 Resp: 9522

Ion Ratio Lower Upper

43 100

58 36.1 0.0 66.8



#22

2-Butanone

Concen: 2.882 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. 0.007 min

Lab File: VU046421.D

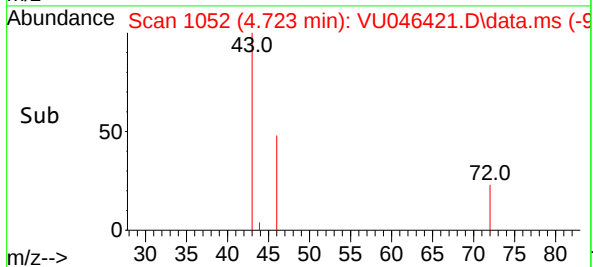
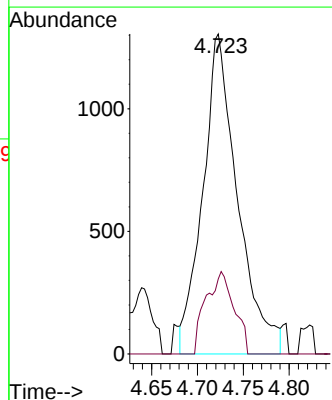
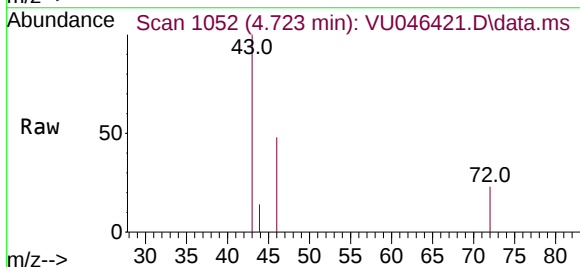
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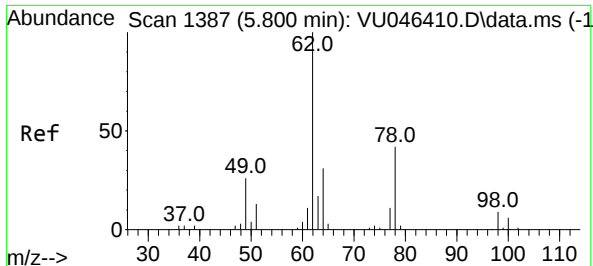
Tgt Ion: 43 Resp: 3445

Ion Ratio Lower Upper

43 100

72 13.9 14.5 43.6#

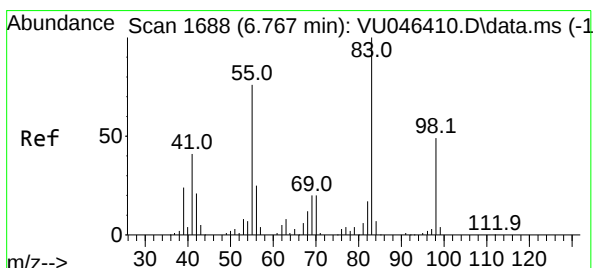
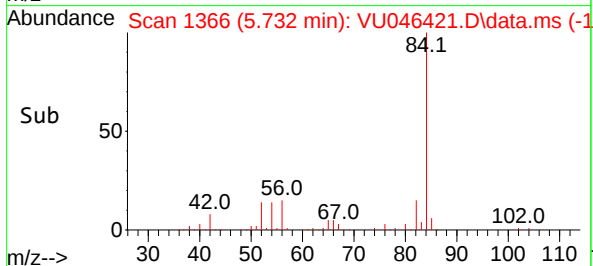
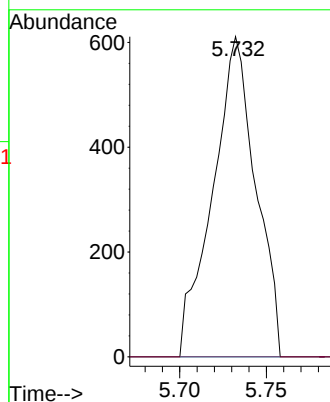
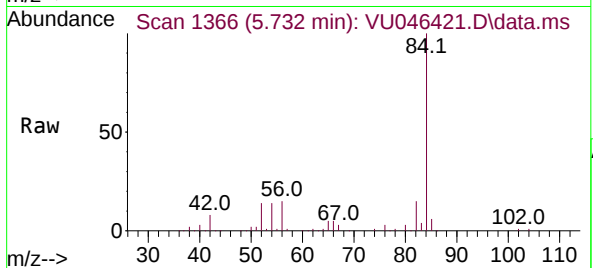




#27
1,2-Dichloroethane
Concen: 0.719 ug/L
RT: 5.732 min Scan# 11
Delta R.T. -0.067 min
Lab File: VU046421.D
Acq: 16 Dec 2021 15:16

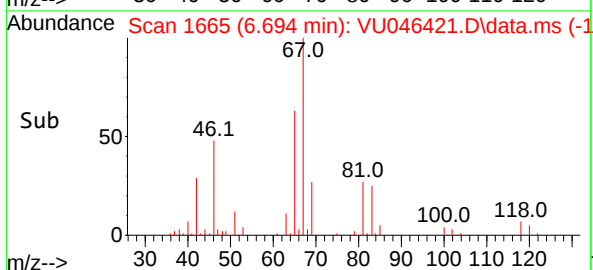
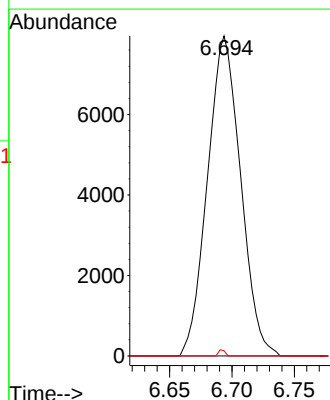
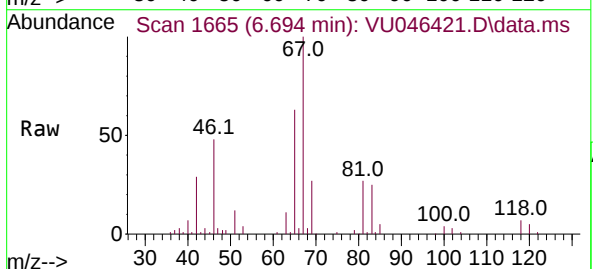
Instrument :
MSVOA_U
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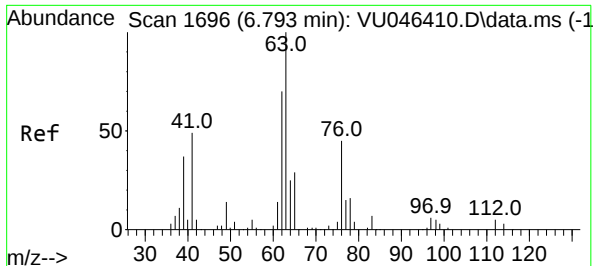
Tgt Ion: 62 Resp: 1059
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#35
Methylcyclohexane
Concen: 8.633 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046421.D
Acq: 16 Dec 2021 15:16

Tgt Ion: 83 Resp: 14725
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: 6.210 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046421.D

Acq: 16 Dec 2021 15:16

Instrument :

MSVOA_U

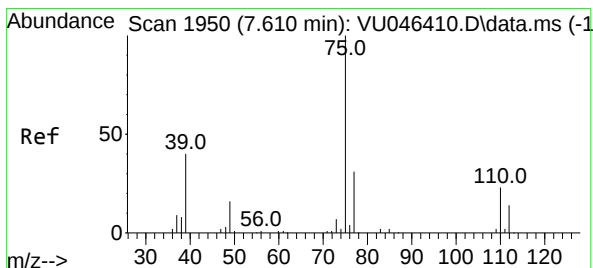
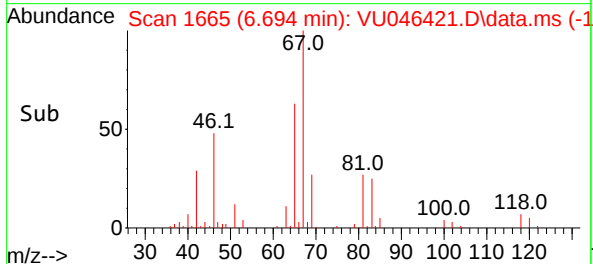
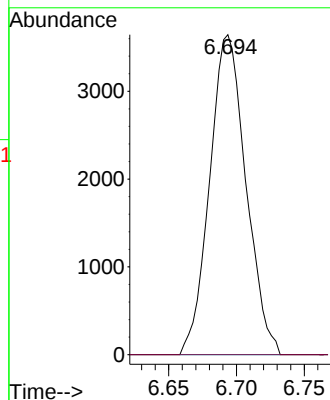
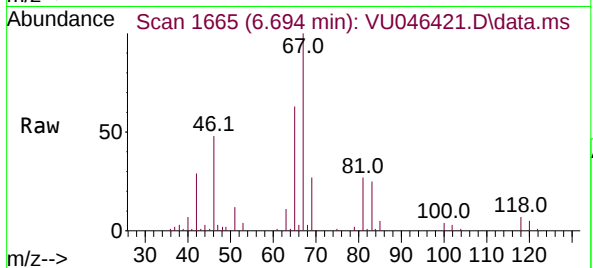
ClientSampleId :

Tgt Ion: 63 Resp: 6792

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.124 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046421.D

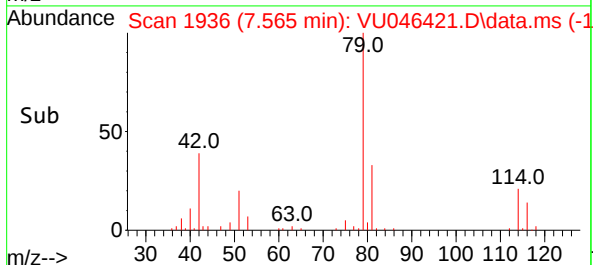
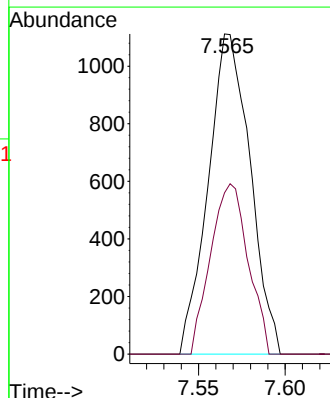
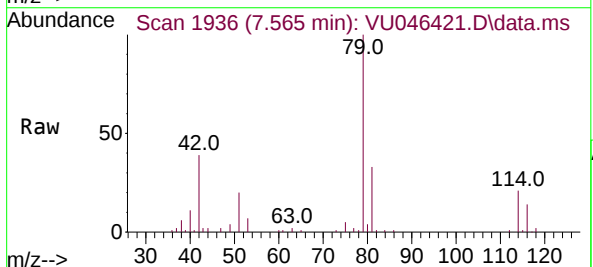
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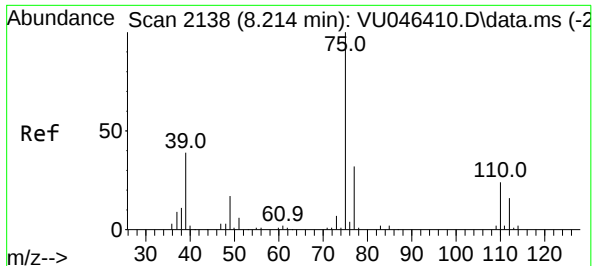
Tgt Ion: 75 Resp: 1870

Ion Ratio Lower Upper

75 100

77 50.4 21.8 40.6#

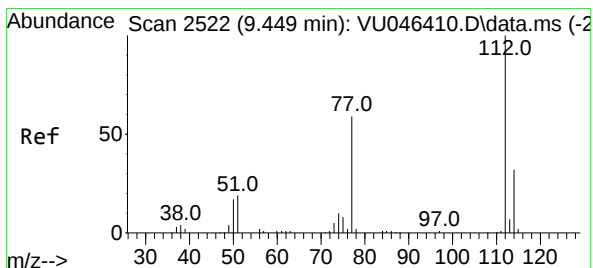
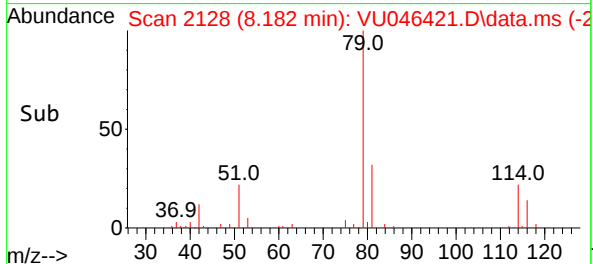
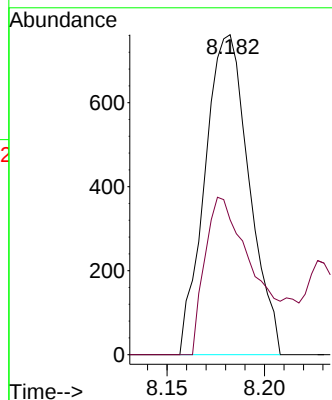
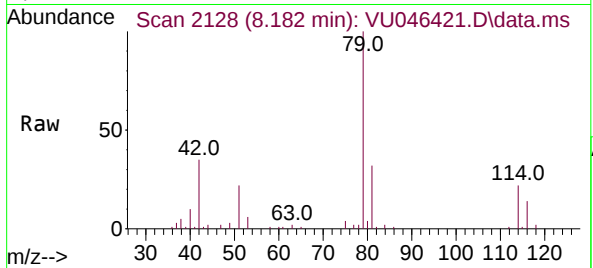




#44
trans-1,3-Dichloropropene
Concen: 0.737 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046421.D
Acq: 16 Dec 2021 15:16

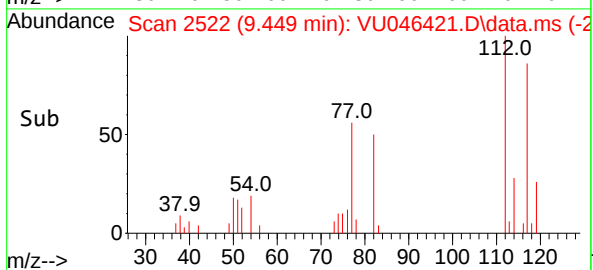
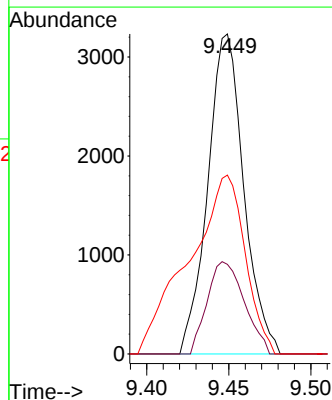
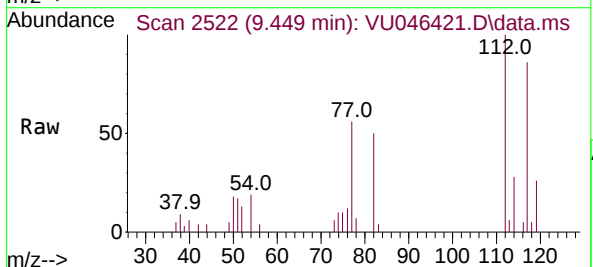
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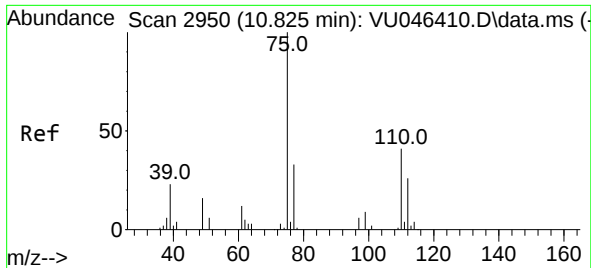
Tgt Ion: 75 Resp: 1204
Ion Ratio Lower Upper
75 100
77 42.1 21.7 40.3#



#51
Chlorobenzene
Concen: 1.702 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046421.D
Acq: 16 Dec 2021 15:16

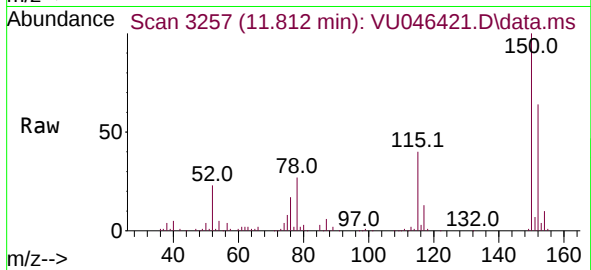
Tgt Ion: 112 Resp: 4934
Ion Ratio Lower Upper
112 100
114 28.0 22.2 41.2
77 55.9 47.4 71.0





#60
 1,2,3-Trichloropropane
 Concen: 5.841 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046421.D
 Acq: 16 Dec 2021 15:16

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 8641
 Ion Ratio Lower Upper
 75 100
 77 28.1 26.4 39.6
 110 1.7 32.4 48.6#

