

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046413.D
 Acq On : 16 Dec 2021 12:15
 Operator : SY/MD
 Sample : M4997-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:51:03 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)

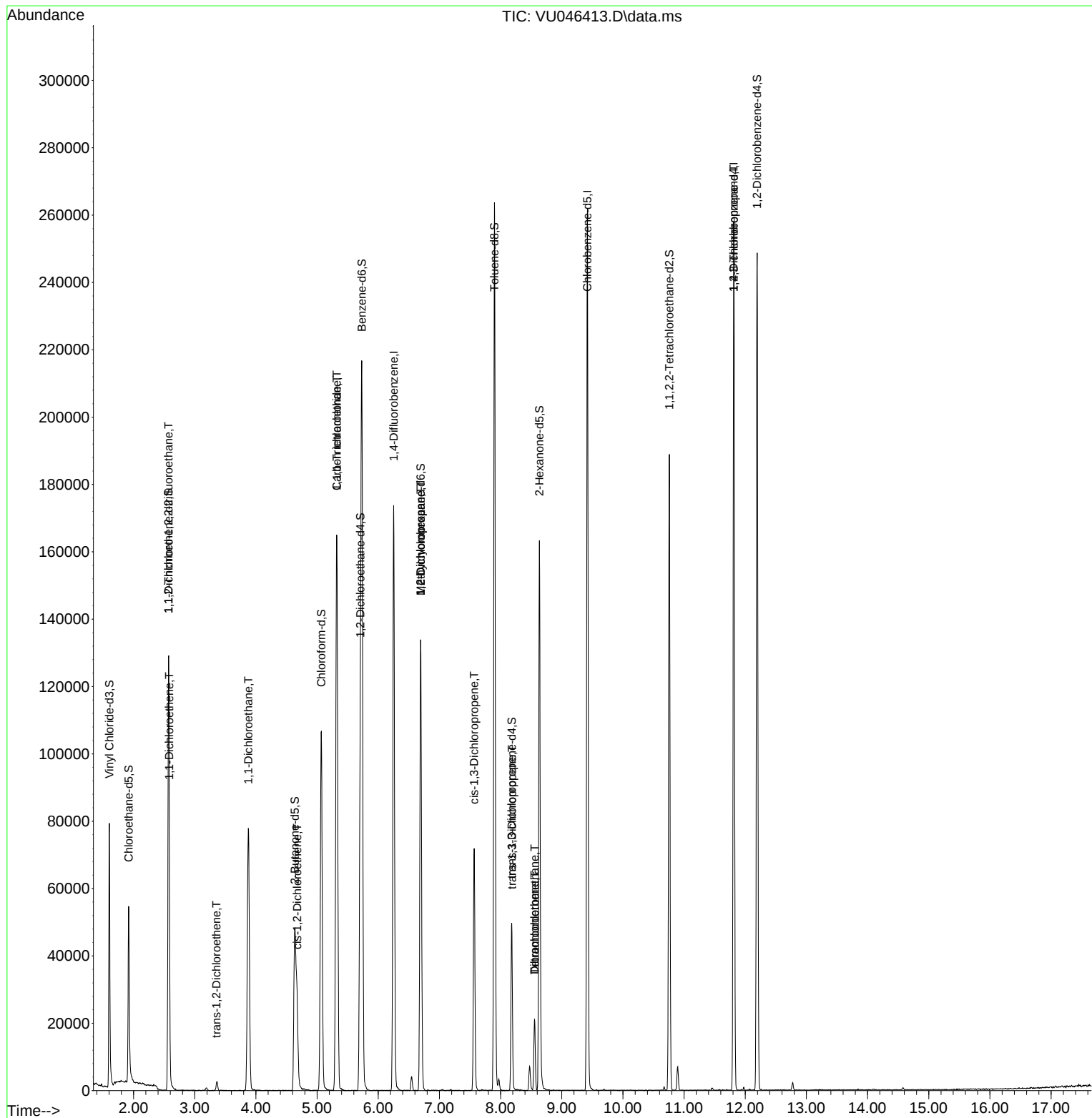
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	138020	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	143255	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	66530	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	60405	53.130	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 106.260%			
7) Chloroethane-d5	1.919	69	43382	49.697	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.400%			
11) 1,1-Dichloroethene-d2	2.571	63	77260	37.854	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.700%			
21) 2-Butanone-d5	4.636	46	77024	85.221	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 85.220%			
24) Chloroform-d	5.070	84	102157	53.806	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.620%			
26) 1,2-Dichloroethane-d4	5.706	65	67013	52.593	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.180%			
32) Benzene-d6	5.732	84	199325	48.546	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.100%			
36) 1,2-Dichloropropane-d6	6.693	67	61936	48.673	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.340%			
41) Toluene-d8	7.899	98	170706	45.662	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.320%			
43) trans-1,3-Dichloroprop...	8.182	79	28491	46.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.760%			
47) 2-Hexanone-d5	8.636	63	58587	97.104	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 97.100%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	88443	45.830	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.660%			
66) 1,2-Dichlorobenzene-d4	12.195	152	63104	49.252	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.500%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	662	0.659	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	1569	1.644	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	619	0.613	ug/L	84
19) 1,1-Dichloroethane	3.877	63	89565	48.775	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	11122	10.149	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	124687	70.907	ug/L	100
31) Carbon tetrachloride	5.321	117	15065	10.091	ug/L	96
35) Methylcyclohexane	6.693	83	15552	8.781	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6702	5.901	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1842	1.066	ug/L #	61
44) trans-1,3-Dichloropropene	8.185	75	1114	0.656	ug/L #	48
46) Tetrachloroethene	8.555	164	4714	5.616	ug/L	91
49) Dibromochloromethane	8.555	129	4607	3.850	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	7740	5.307	ug/L #	65

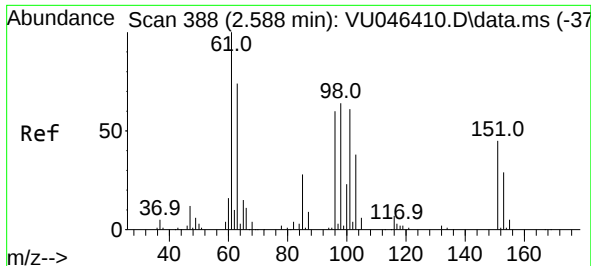
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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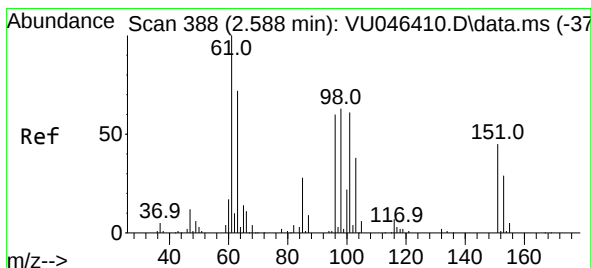
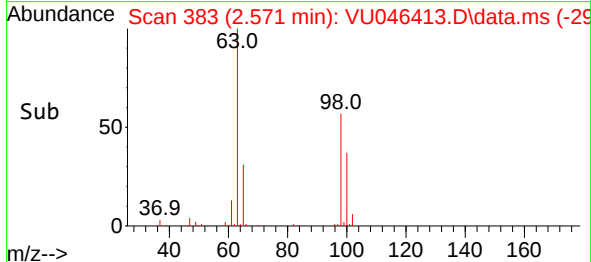
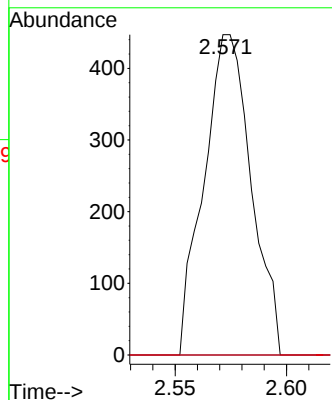
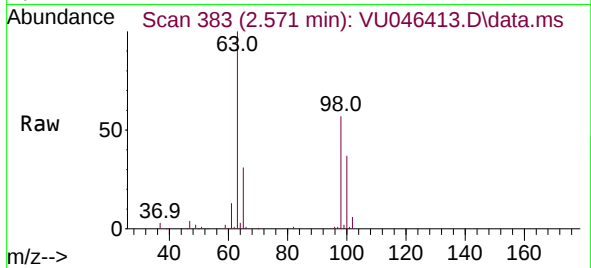




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.659 ug/L
 RT: 2.571 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VU046413.D
 Acq: 16 Dec 2021 12:15

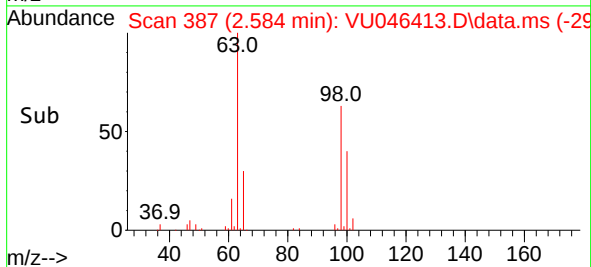
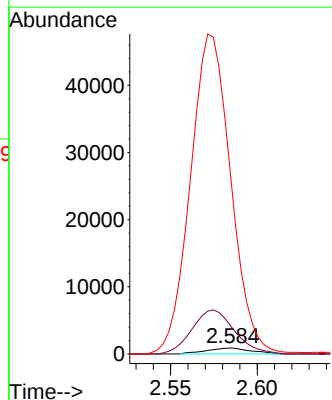
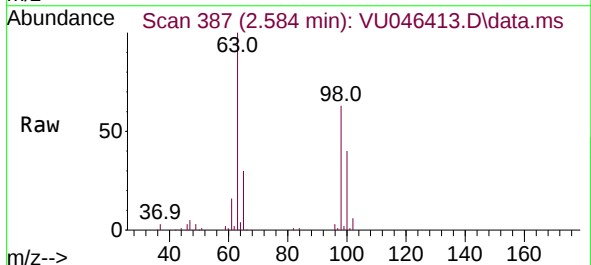
Instrument :
 MSVOA_U
 ClientSampleId :

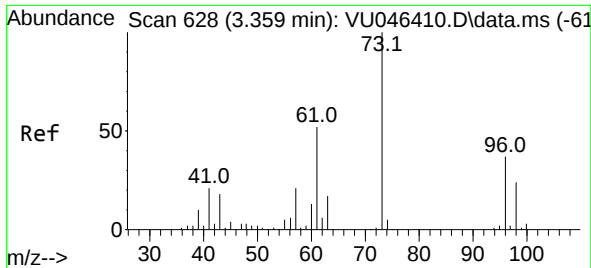
Tgt Ion:101 Resp: 662
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 1.644 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046413.D
 Acq: 16 Dec 2021 12:15

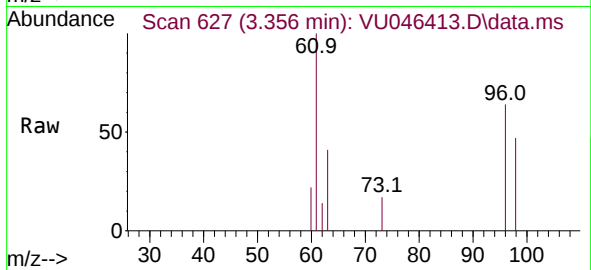
Tgt Ion: 96 Resp: 1569
 Ion Ratio Lower Upper
 96 100
 61 482.5 118.6 220.2#
 63 3079.3 93.0 172.8#





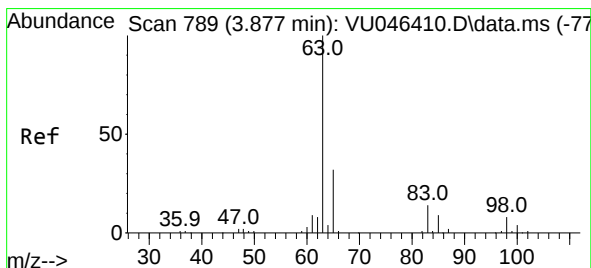
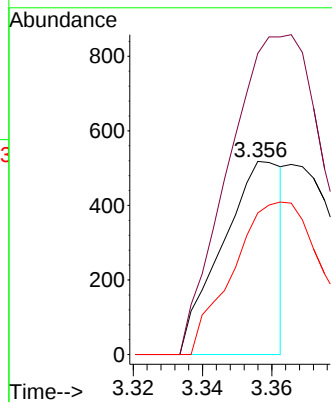
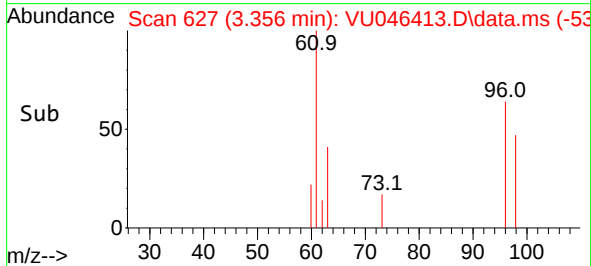
#17
trans-1,2-Dichloroethene
Concen: 0.613 ug/L
RT: 3.356 min Scan# 619
Delta R.T. -0.003 min
Lab File: VU046413.D
Acq: 16 Dec 2021 12:15

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 619

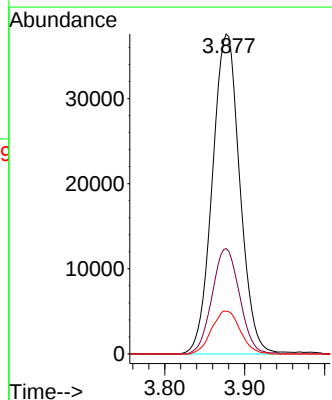
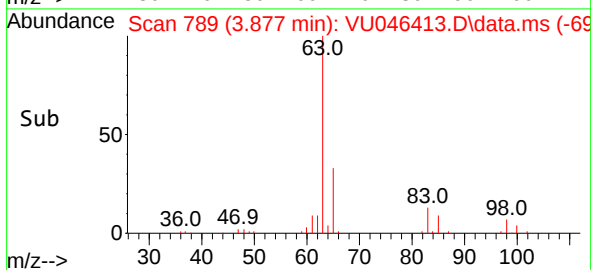
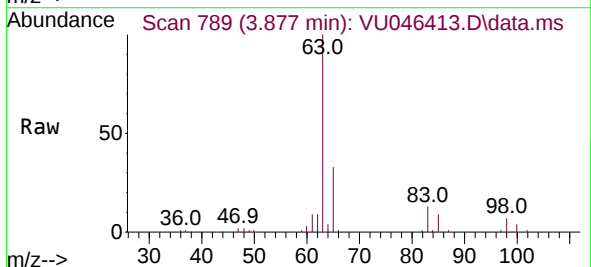
Ion	Ratio	Lower	Upper
96	100		
61	156.0	94.6	175.6
98	73.4	44.0	81.8

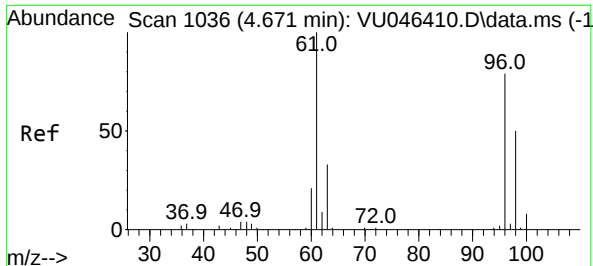


#19
1,1-Dichloroethane
Concen: 48.775 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046413.D
Acq: 16 Dec 2021 12:15

Tgt Ion: 63 Resp: 89565

Ion	Ratio	Lower	Upper
63	100		
65	33.0	22.8	42.4
83	13.4	9.6	17.8

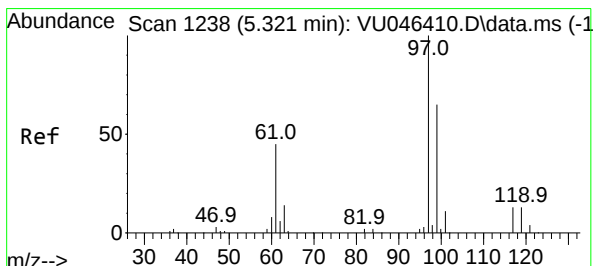
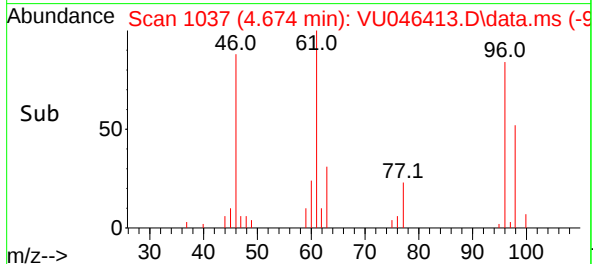
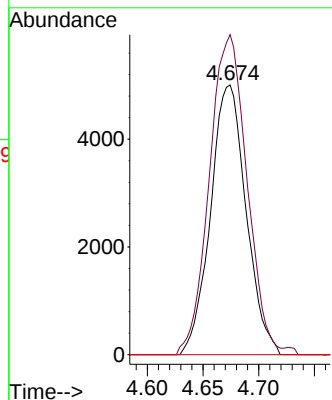
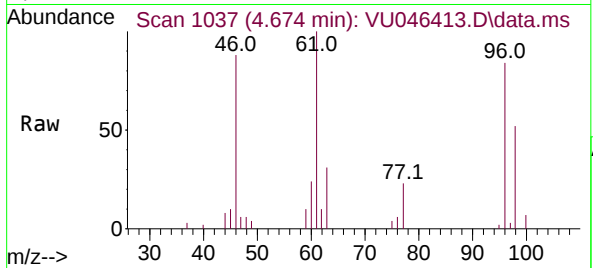




#20
 cis-1,2-Dichloroethene
 Concen: 10.149 ug/L
 RT: 4.674 min Scan# 1036
 Delta R.T. 0.003 min
 Lab File: VU046413.D
 Acq: 16 Dec 2021 12:15

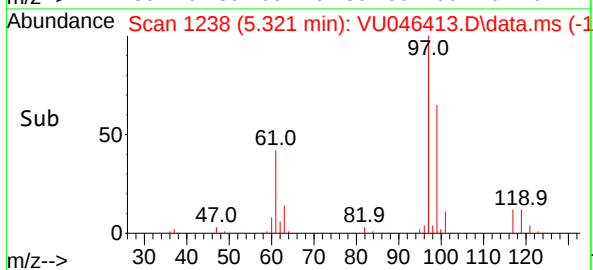
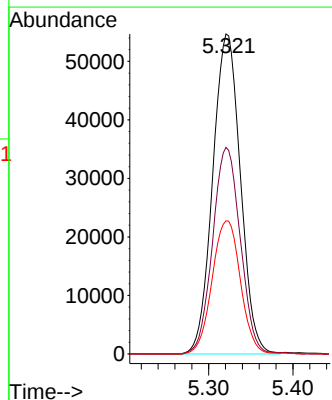
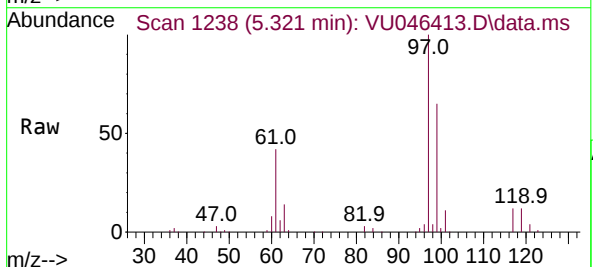
Instrument :
 MSVOA_U
 ClientSampleId :

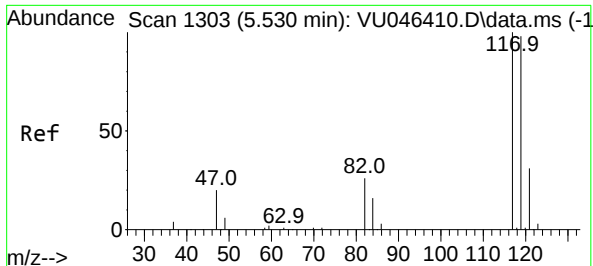
Tgt Ion: 96 Resp: 11122
 Ion Ratio Lower Upper
 96 100
 61 118.6 86.8 161.2
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 70.907 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.000 min
 Lab File: VU046413.D
 Acq: 16 Dec 2021 12:15

Tgt Ion: 97 Resp: 124687
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.8 77.6
 61 42.7 34.4 51.6

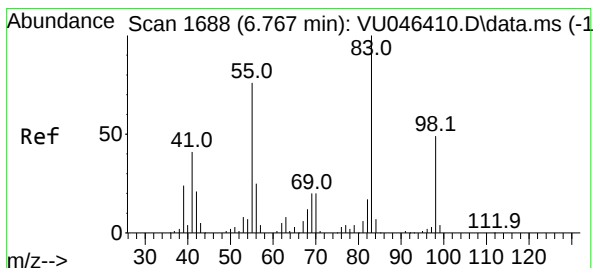
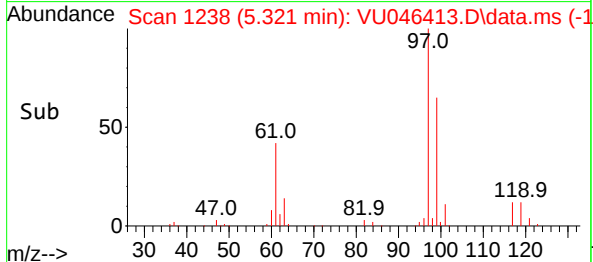
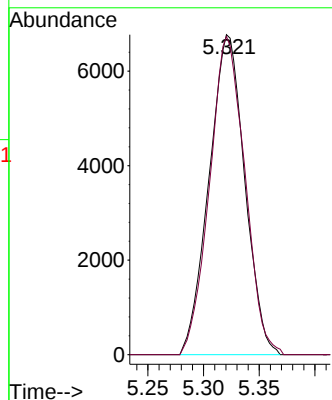
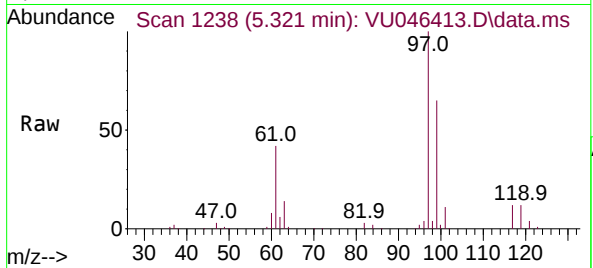




#31
Carbon tetrachloride
Concen: 10.091 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU046413.D
Acq: 16 Dec 2021 12:15

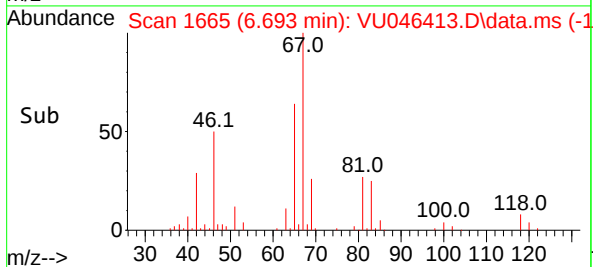
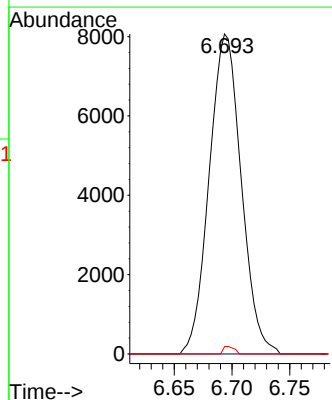
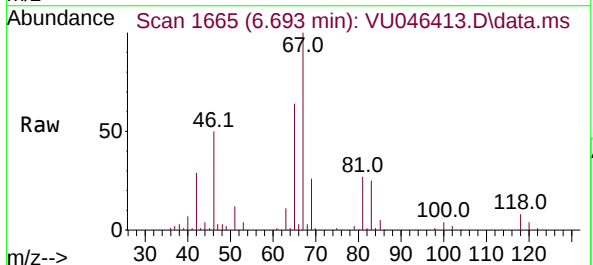
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MSVOA_U
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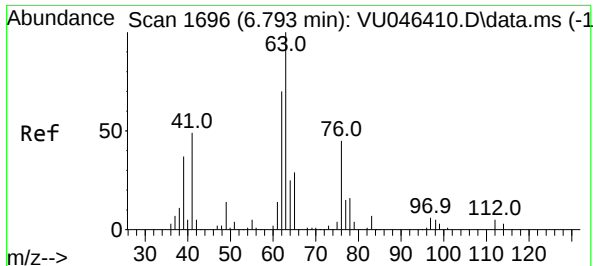
Tgt Ion:117 Resp: 15065
Ion Ratio Lower Upper
117 100
119 98.2 75.7 113.5



#35
Methylcyclohexane
Concen: 8.781 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046413.D
Acq: 16 Dec 2021 12:15

Tgt Ion: 83 Resp: 15552
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.8 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.901 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046413.D

Acq: 16 Dec 2021 12:15

Instrument :

MSVOA_U

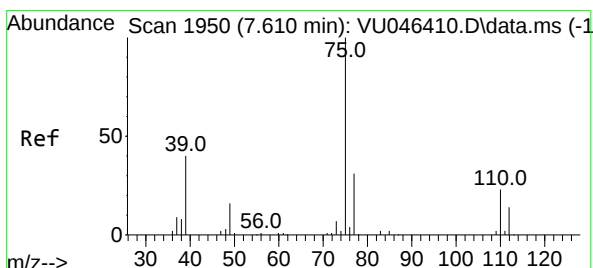
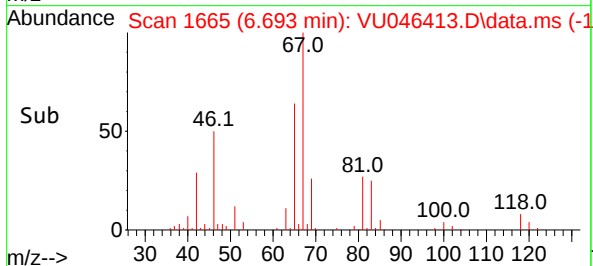
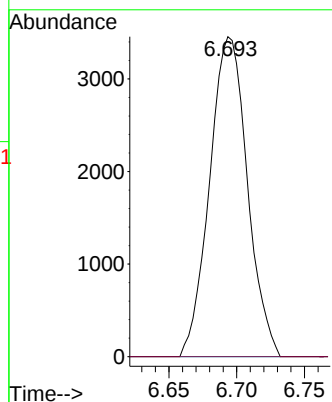
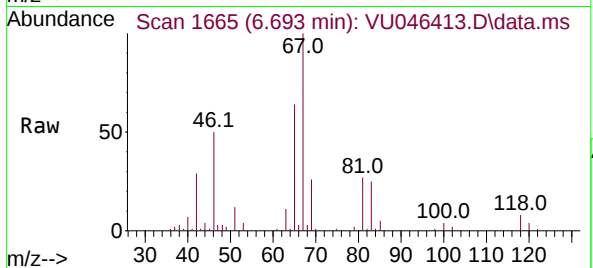
ClientSampleId :

Tgt Ion: 63 Resp: 6702

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.066 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046413.D

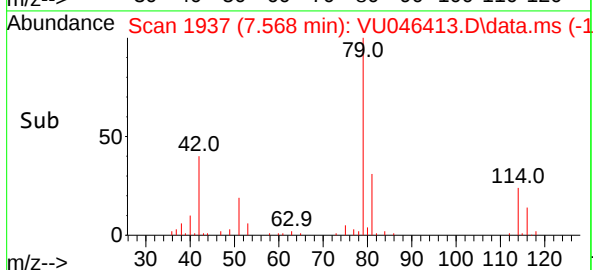
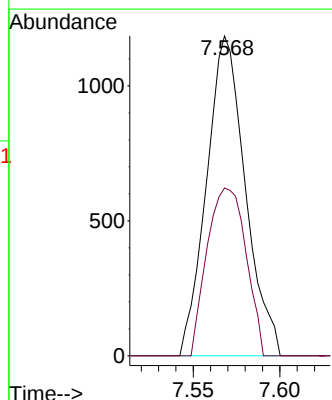
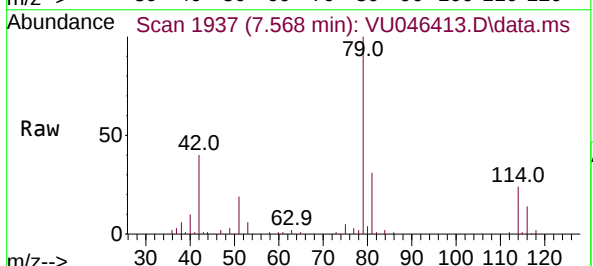
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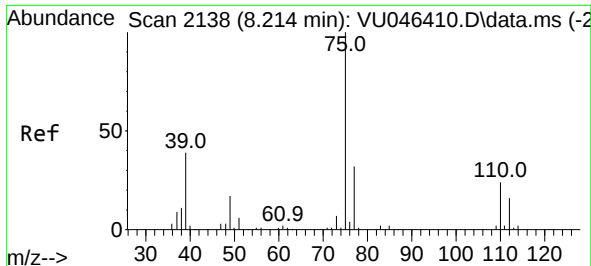
Tgt Ion: 75 Resp: 1842

Ion Ratio Lower Upper

75 100

77 52.5 21.8 40.6#

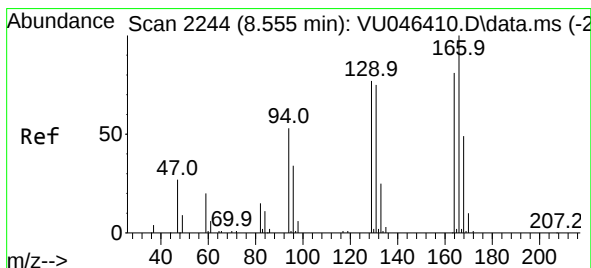
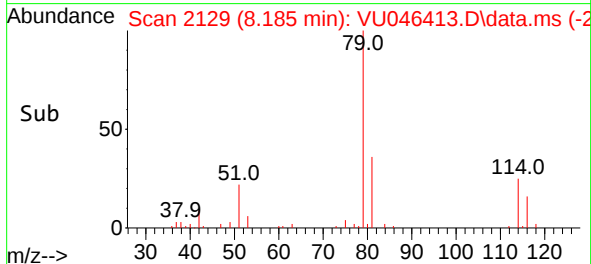
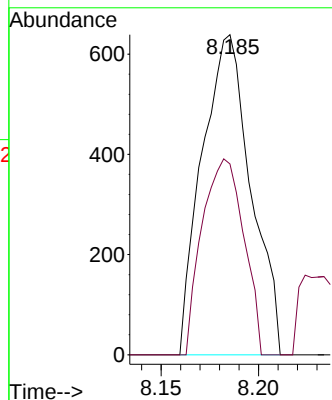
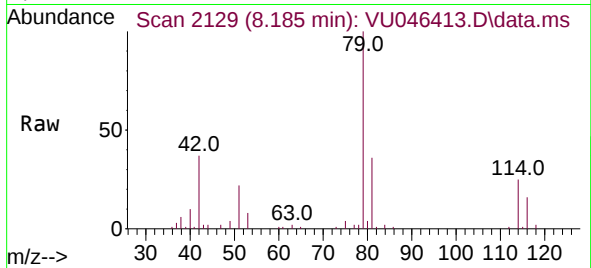




#44
trans-1,3-Dichloropropene
Concen: 0.656 ug/L
RT: 8.185 min Scan# 2138
Delta R.T. -0.029 min
Lab File: VU046413.D
Acq: 16 Dec 2021 12:15

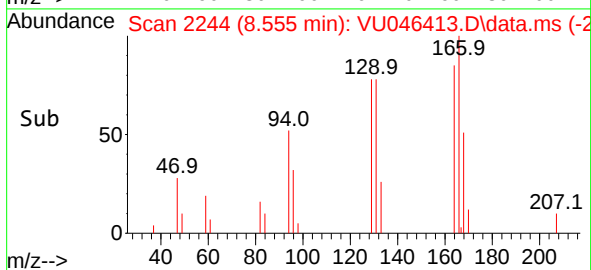
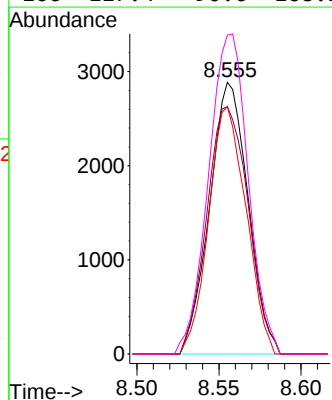
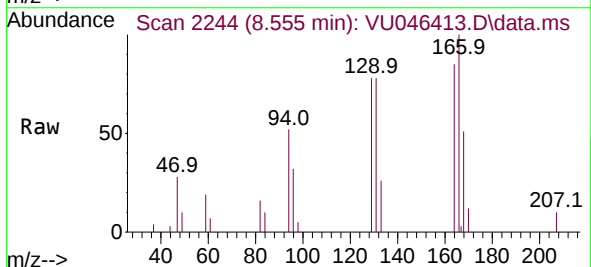
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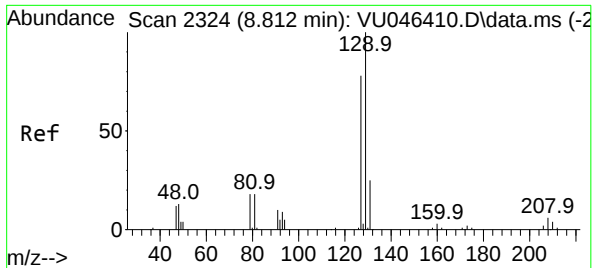
Tgt Ion: 75 Resp: 1114
Ion Ratio Lower Upper
75 100
77 59.6 21.7 40.3#



#46
Tetrachloroethene
Concen: 5.616 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046413.D
Acq: 16 Dec 2021 12:15

Tgt Ion: 164 Resp: 4714
Ion Ratio Lower Upper
164 100
129 91.1 71.1 132.1
131 91.1 67.8 126.0
166 117.4 90.6 168.2

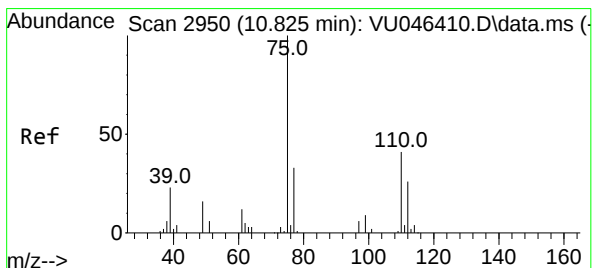
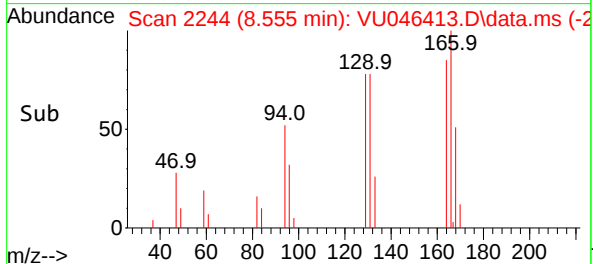
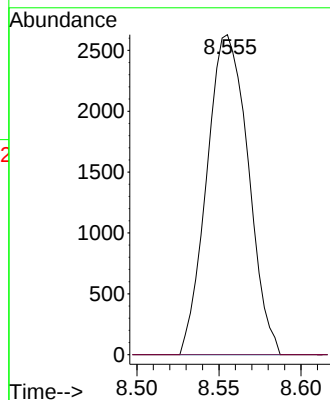
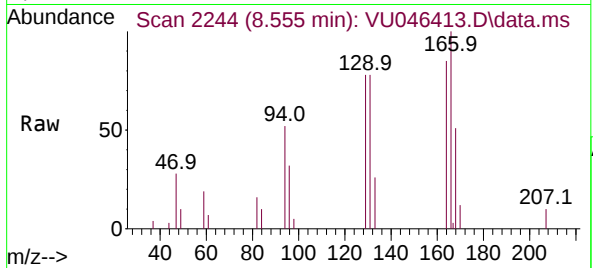




#49
Dibromochloromethane
Concen: 3.850 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046413.D
Acq: 16 Dec 2021 12:15

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 4607
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.307 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046413.D
Acq: 16 Dec 2021 12:15

Tgt Ion: 75 Resp: 7740
Ion Ratio Lower Upper
75 100
77 35.3 26.4 39.6
110 3.2 32.4 48.6#

