

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046403.D
 Acq On : 15 Dec 2021 18:01
 Operator : SY/MD
 Sample : M5062-20MEDL 10X
 Misc : 6.74g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:11:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

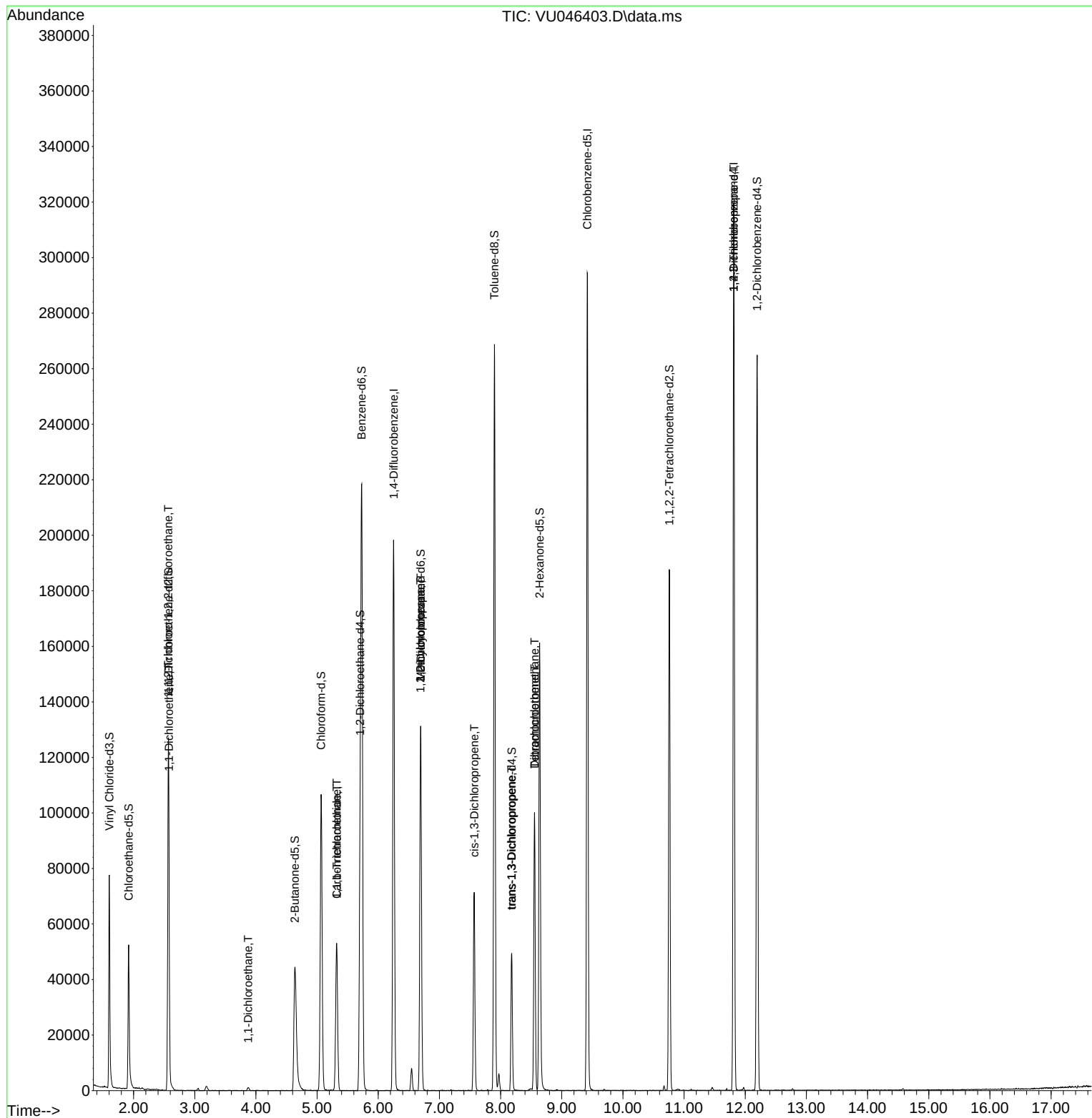
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	158790	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	160346	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	82214	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	61276	46.846	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.700%		
7) Chloroethane-d5	1.919	69	43543	43.357	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.720%		
11) 1,1-Dichloroethene-d2	2.572	63	77031	32.805	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.600%		
21) 2-Butanone-d5	4.636	46	79555	76.508	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	76.510%		
24) Chloroform-d	5.067	84	99040	45.341	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.680%		
26) 1,2-Dichloroethane-d4	5.703	65	67208	45.846	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.700%		
32) Benzene-d6	5.729	84	203144	44.202	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.400%		
36) 1,2-Dichloropropane-d6	6.694	67	61883	43.447	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.900%		
41) Toluene-d8	7.899	98	172898	41.319	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.640%		
43) trans-1,3-Dichloroprop...	8.182	79	28545	41.516	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.040%		
47) 2-Hexanone-d5	8.639	63	62658	92.782	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.780%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	90955	42.108	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.220%		
66) 1,2-Dichlorobenzene-d4	12.195	152	68612	43.335	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.660%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	592	0.512	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	561	0.511	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	1481	0.701	ug/L #	86
30) 1,1,1-Trichloroethane	5.321	97	39493	20.065	ug/L	100
31) Carbon tetrachloride	5.321	117	4743	2.838	ug/L	95
35) Methylcyclohexane	6.694	83	15186	7.660	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	6848	5.387	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1772	0.916	ug/L #	76
44) trans-1,3-Dichloropropene	8.179	75	1289	0.679	ug/L #	77
46) Tetrachloroethene	8.555	164	20695	22.027	ug/L	98
49) Dibromochloromethane	8.555	129	21178	15.812	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	9956	5.524	ug/L #	66

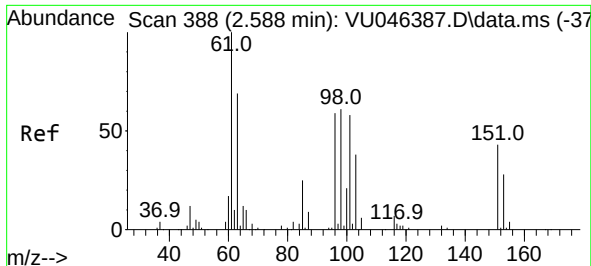
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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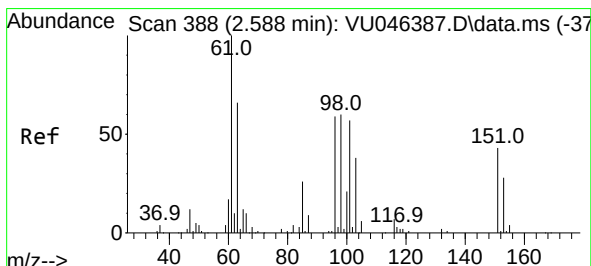
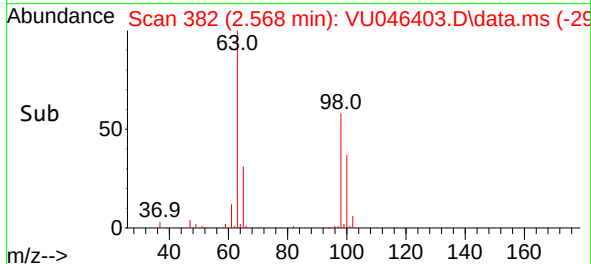
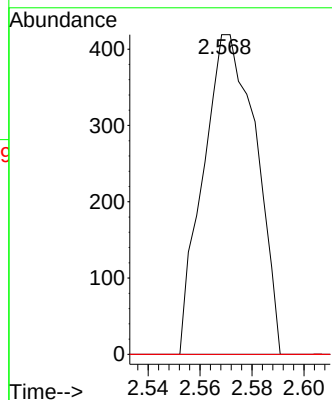
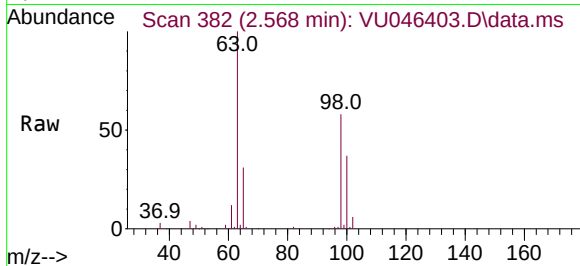




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.512 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU046403.D
 Acq: 15 Dec 2021 18:01

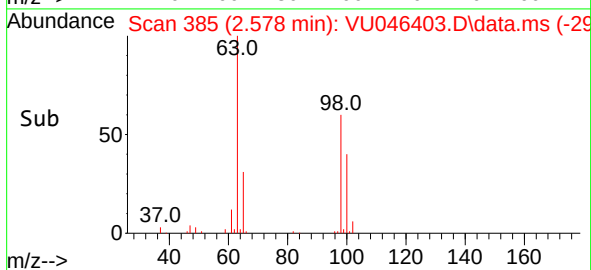
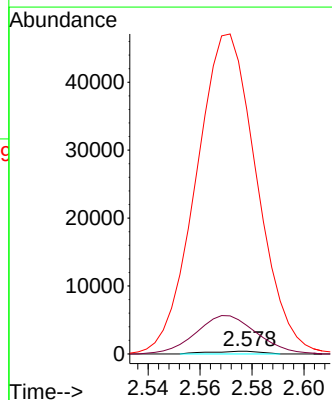
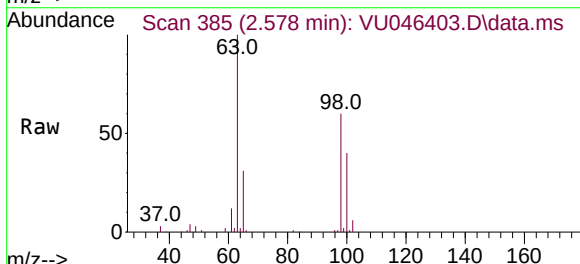
Instrument :
 MSVOA_U
 ClientSampleId :

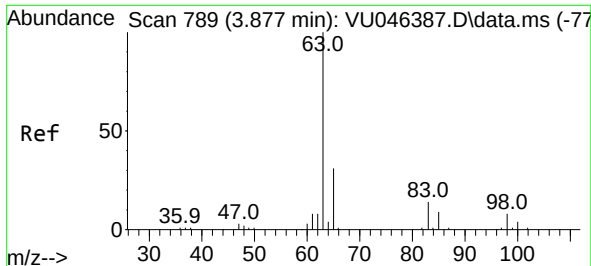
Tgt Ion:101 Resp: 592
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.511 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU046403.D
 Acq: 15 Dec 2021 18:01

Tgt Ion: 96 Resp: 561
 Ion Ratio Lower Upper
 96 100
 61 1046.9 118.6 220.2#
 63 8981.5 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 0.701 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046403.D

Acq: 15 Dec 2021 18:01

Instrument :

MSVOA_U

ClientSampleId :

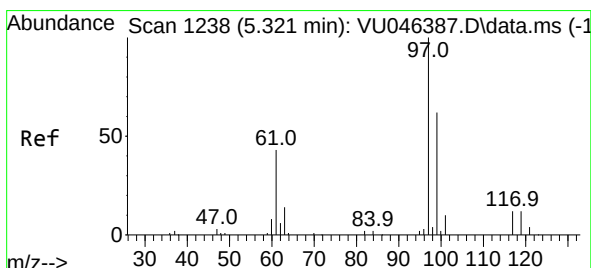
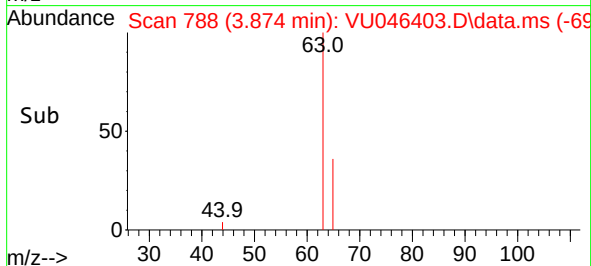
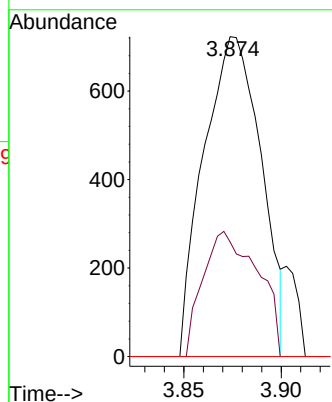
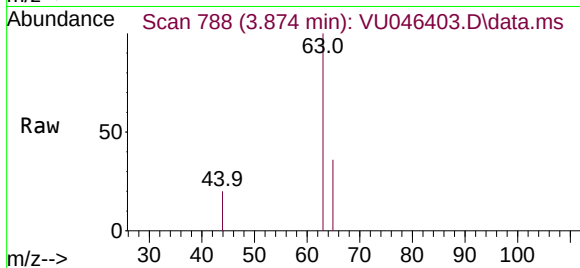
Tgt Ion: 63 Resp: 1481

Ion Ratio Lower Upper

63 100

65 35.8 22.8 42.4

83 0.0 9.6 17.8#



#30

1,1,1-Trichloroethane

Concen: 20.065 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046403.D

Acq: 15 Dec 2021 18:01

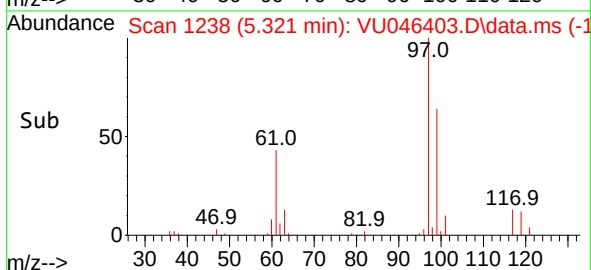
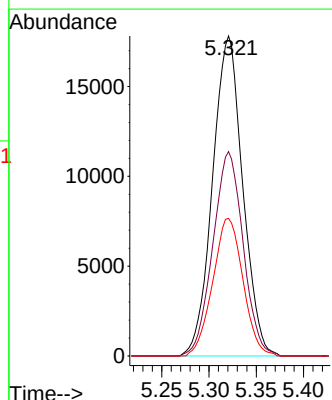
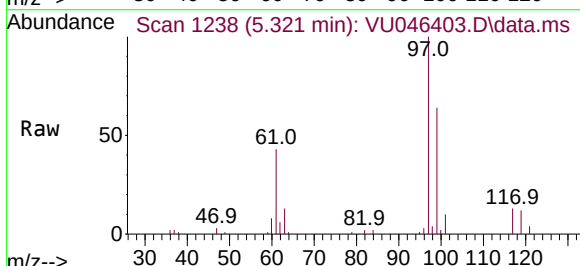
Tgt Ion: 97 Resp: 39493

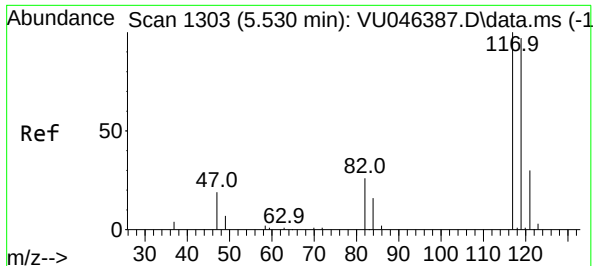
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 43.1 34.4 51.6

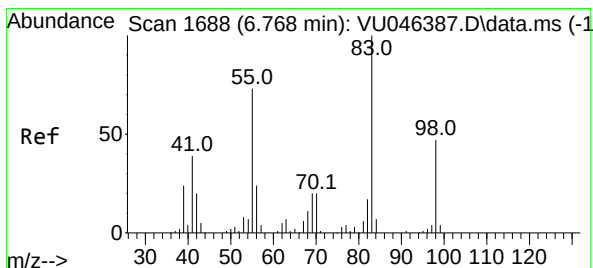
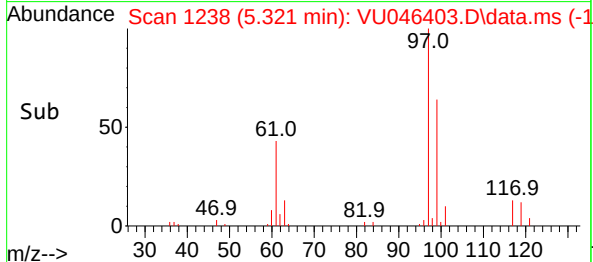
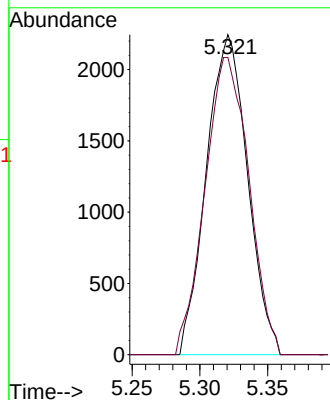
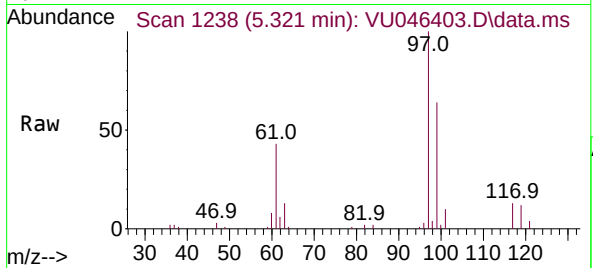




#31
Carbon tetrachloride
Concen: 2.838 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU046403.D
Acq: 15 Dec 2021 18:01

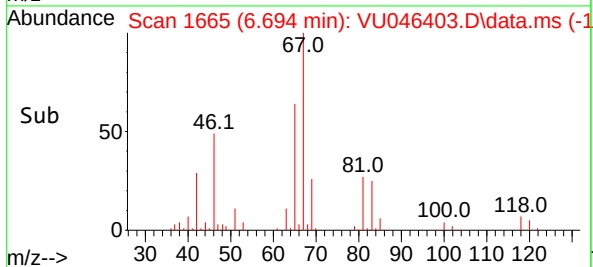
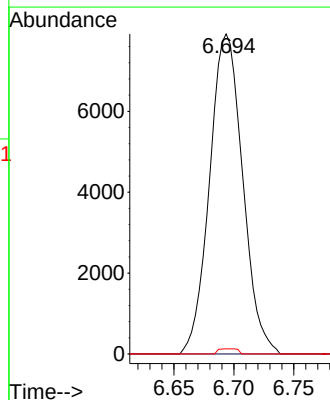
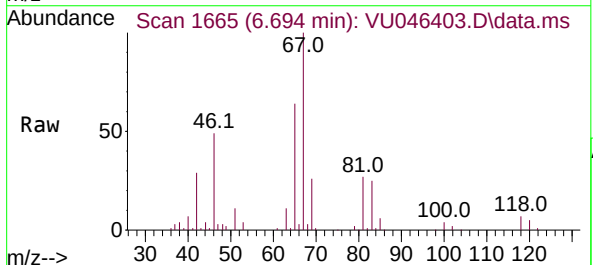
Instrument :
MSVOA_U
ClientSampleId :

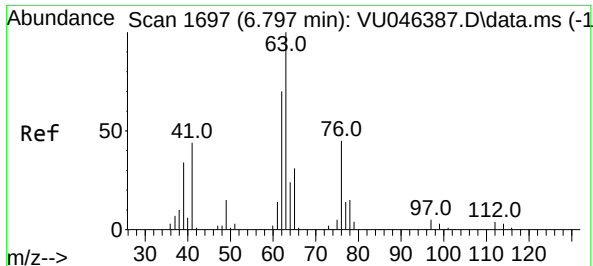
Tgt Ion:117 Resp: 4743
Ion Ratio Lower Upper
117 100
119 99.0 75.7 113.5



#35
Methylcyclohexane
Concen: 7.660 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046403.D
Acq: 15 Dec 2021 18:01

Tgt Ion: 83 Resp: 15186
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.5 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.387 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.106 min

Lab File: VU046403.D

Acq: 15 Dec 2021 18:01

Instrument :

MSVOA_U

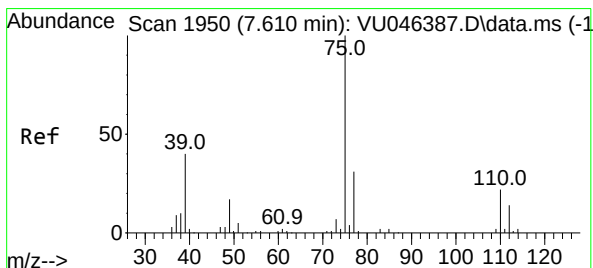
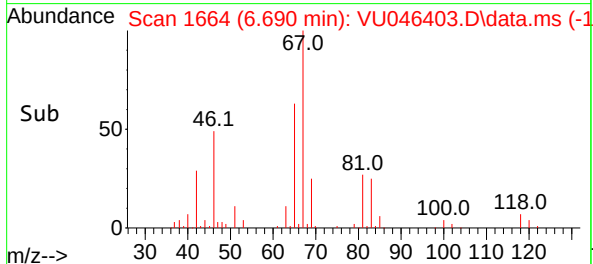
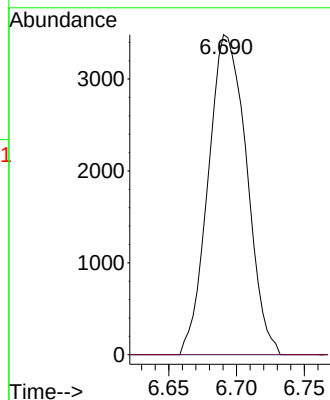
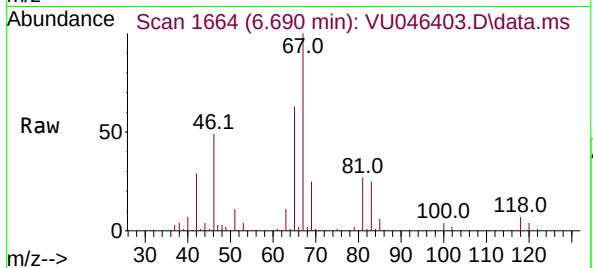
ClientSampleId :

Tgt Ion: 63 Resp: 6848

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.916 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.039 min

Lab File: VU046403.D

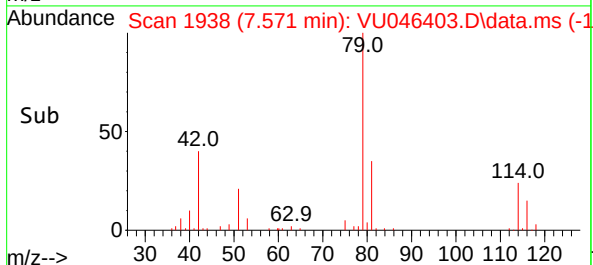
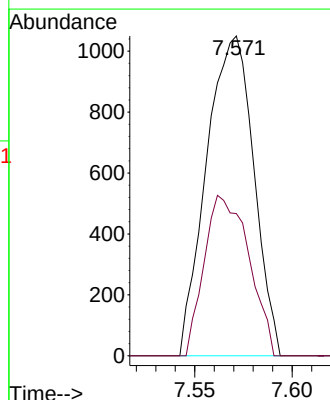
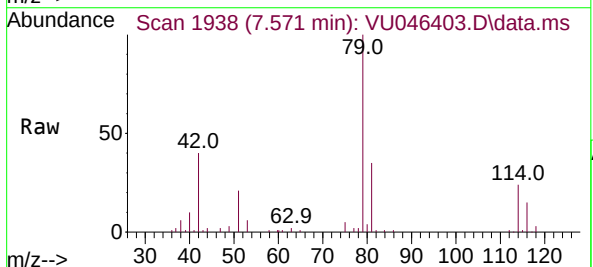
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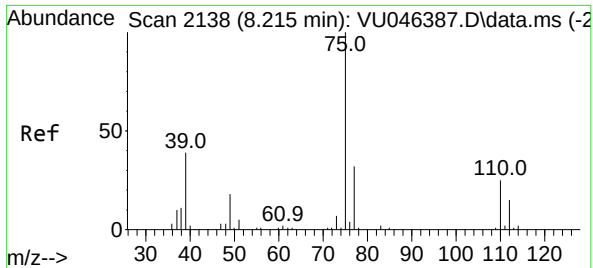
Tgt Ion: 75 Resp: 1772

Ion Ratio Lower Upper

75 100

77 44.5 21.8 40.6#

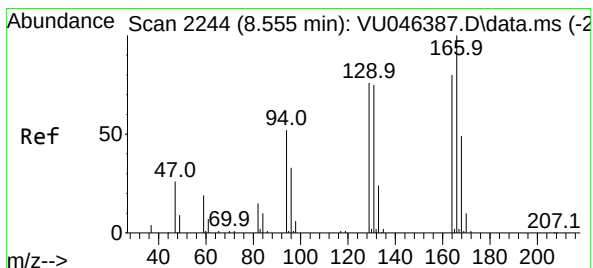
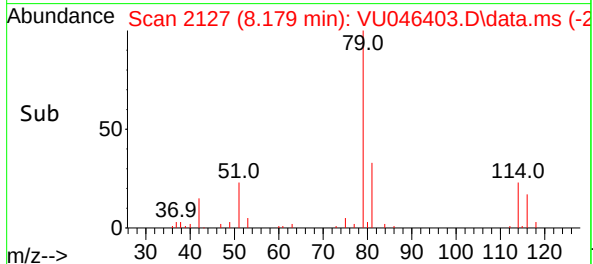
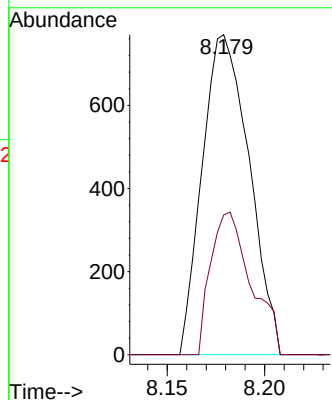
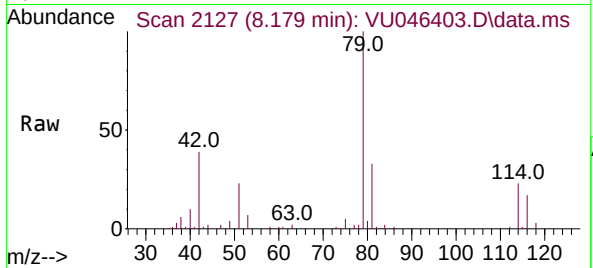




#44
trans-1,3-Dichloropropene
Concen: 0.679 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046403.D
Acq: 15 Dec 2021 18:01

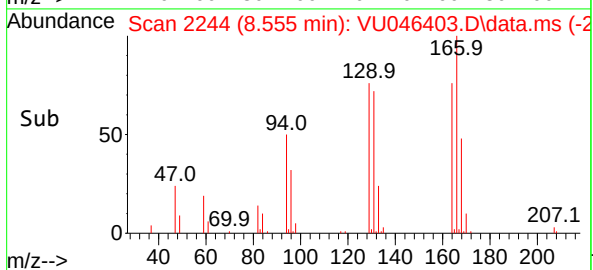
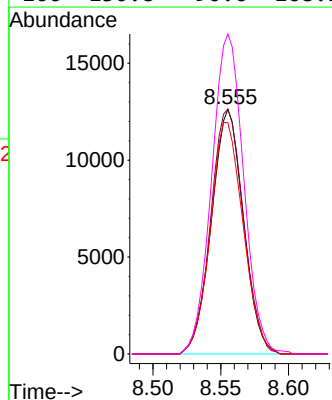
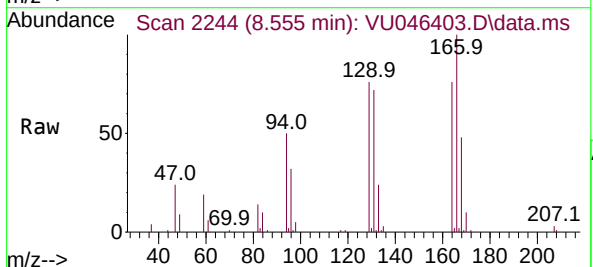
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ClientSampleId :

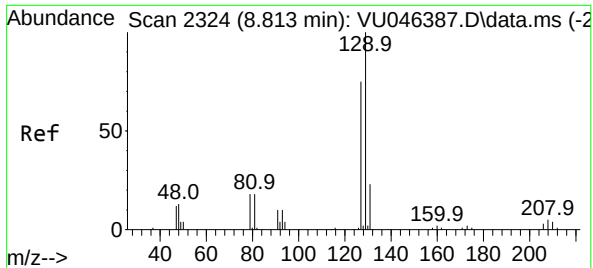
Tgt Ion: 75 Resp: 1289
Ion Ratio Lower Upper
75 100
77 43.6 21.7 40.3#



#46
Tetrachloroethene
Concen: 22.027 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046403.D
Acq: 15 Dec 2021 18:01

Tgt Ion: 164 Resp: 20695
Ion Ratio Lower Upper
164 100
129 100.1 71.1 132.1
131 94.5 67.8 126.0
166 130.8 90.6 168.2





#49

Dibromochloromethane

Concen: 15.812 ug/L

RT: 8.555 min Scan# 21178

Delta R.T. -0.257 min MSVOA_U

Lab File: VU046403.D

Acq: 15 Dec 2021 18:01

Instrument :

MSVOA_U

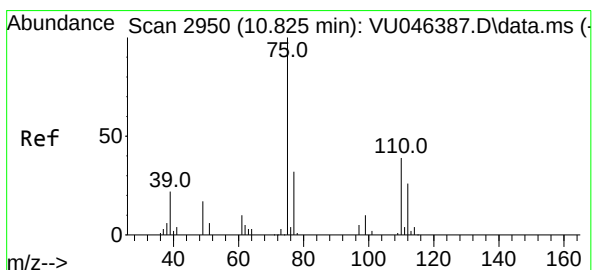
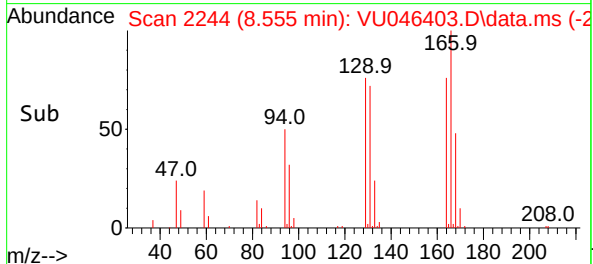
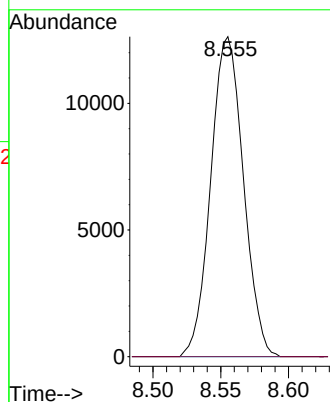
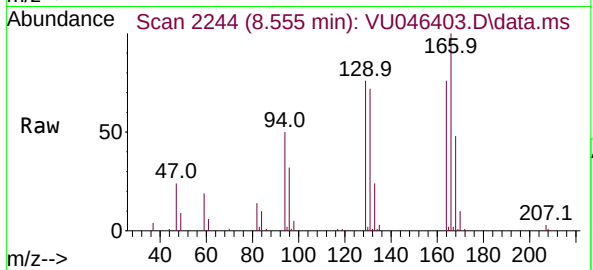
ClientSampleId :

Tgt Ion:129 Resp: 21178

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.524 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046403.D

Acq: 15 Dec 2021 18:01

Tgt Ion: 75 Resp: 9956

Ion Ratio Lower Upper

75 100

77 32.7 26.4 39.6

110 2.1 32.4 48.6#

