

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046445.D
 Acq On : 17 Dec 2021 01:10
 Operator : SY/MD
 Sample : M5101-14ME 20X
 Misc : 6.90g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 04:06:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

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

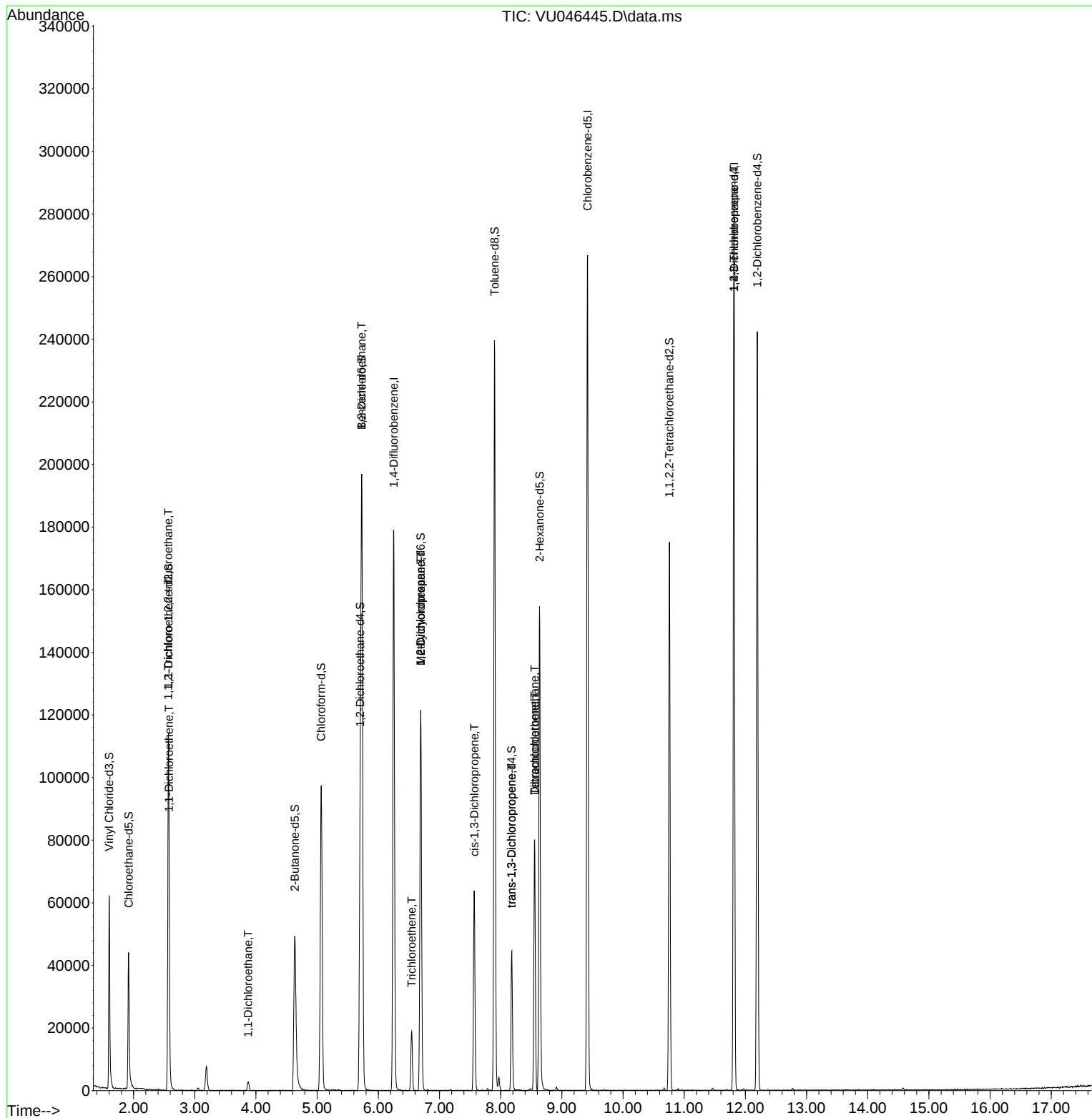
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	143240	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	147071	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	73115	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	49670	42.095	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.200%		
7) Chloroethane-d5	1.919	69	36287	40.054	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.100%		
11) 1,1-Dichloroethene-d2	2.572	63	67184	31.717	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.440%		
21) 2-Butanone-d5	4.636	46	72821	77.635	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	77.630%		
24) Chloroform-d	5.067	84	92168	46.775	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.560%		
26) 1,2-Dichloroethane-d4	5.703	65	61535	46.533	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.060%		
32) Benzene-d6	5.729	84	180830	42.898	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.800%		
36) 1,2-Dichloropropane-d6	6.694	67	56193	43.014	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.020%		
41) Toluene-d8	7.899	98	154637	40.291	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.580%		
43) trans-1,3-Dichloroprop...	8.179	79	25682	40.724	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.440%		
47) 2-Hexanone-d5	8.636	63	55558	89.695	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.690%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	82418	41.600	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.200%		
66) 1,2-Dichlorobenzene-d4	12.195	152	62141	44.132	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.260%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	580	0.556	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	2066	2.086	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	3285	1.724	ug/L	99
27) 1,2-Dichloroethane	5.729	62	879	0.559	ug/L #	73
34) Trichloroethene	6.546	95	6295	5.368	ug/L	95
35) Methylcyclohexane	6.694	83	14246	7.835	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6641	5.695	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1551	0.874	ug/L #	67
44) trans-1,3-Dichloropropene	8.179	75	1111	0.638	ug/L	94
46) Tetrachloroethene	8.555	164	17406	20.198	ug/L	97
49) Dibromochloromethane	8.555	129	16597	13.510	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	9005	5.618	ug/L #	65

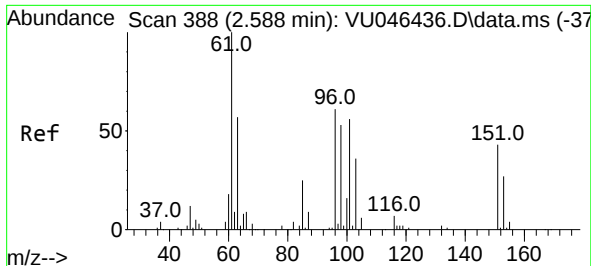
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 17 04:06:47 2021
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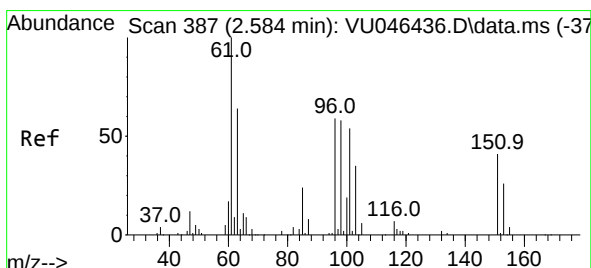
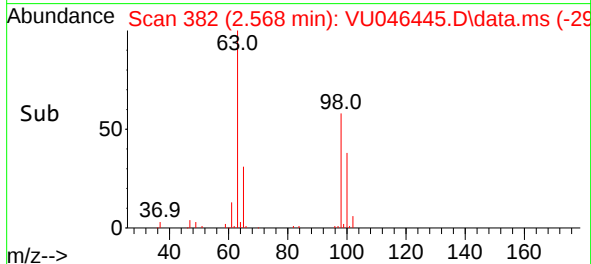
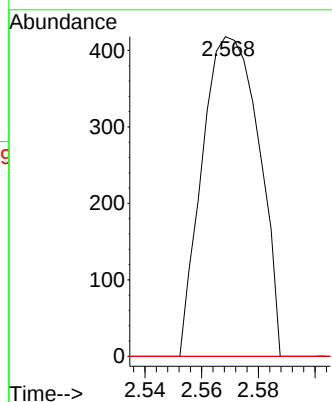
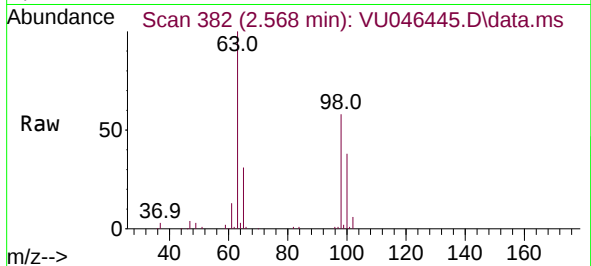




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.556 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU046445.D
Acq: 17 Dec 2021 01:10

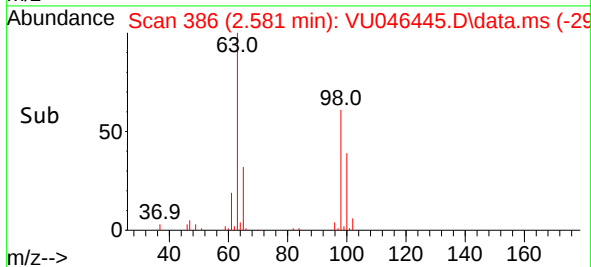
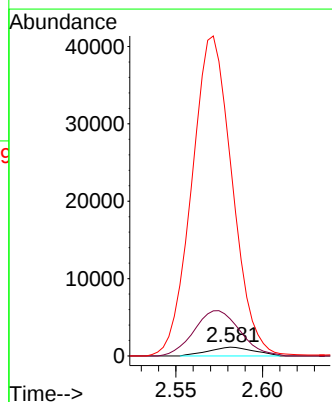
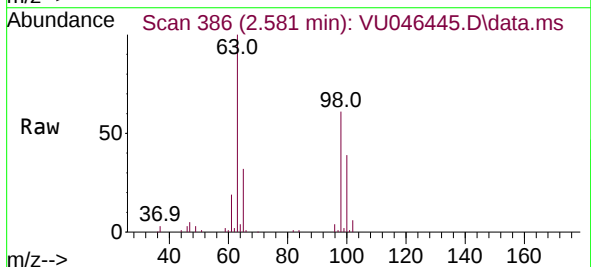
Instrument :
MSVOA_U
ClientSampleId :

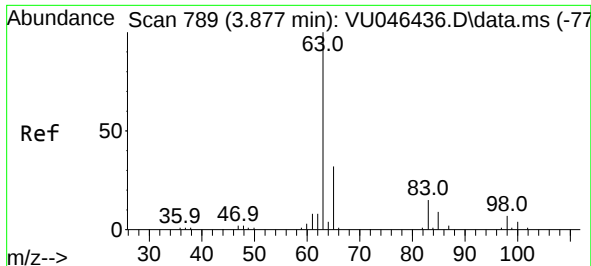
Tgt Ion:101 Resp: 580
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 2.086 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU046445.D
Acq: 17 Dec 2021 01:10

Tgt Ion: 96 Resp: 2066
Ion Ratio Lower Upper
96 100
61 423.4 118.6 220.2#
63 2248.6 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 1.724 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046445.D

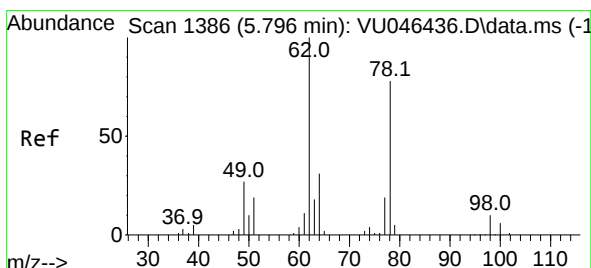
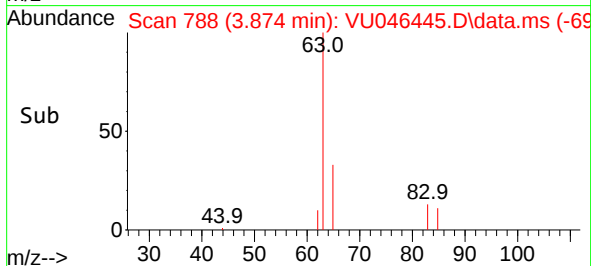
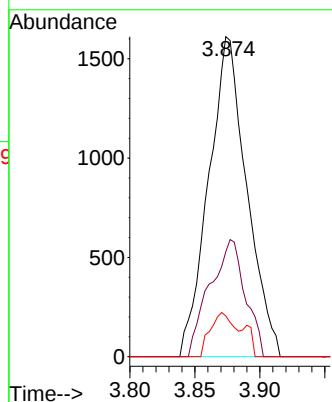
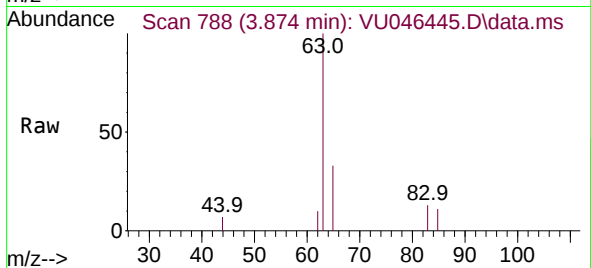
Acq: 17 Dec 2021 01:10

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 3285
Ion Ratio	Lower Upper
63 100	
65 32.8	22.8 42.4
83 12.8	9.6 17.8



#27

1,2-Dichloroethane

Concen: 0.559 ug/L

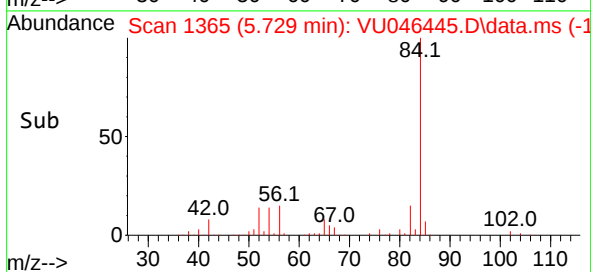
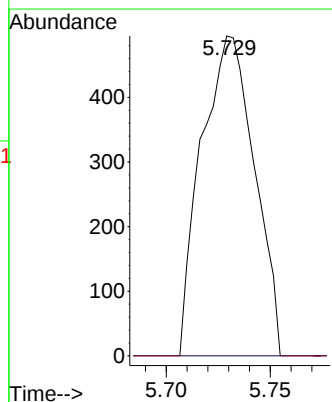
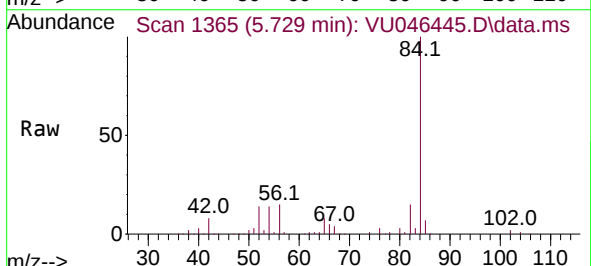
RT: 5.729 min Scan# 1365

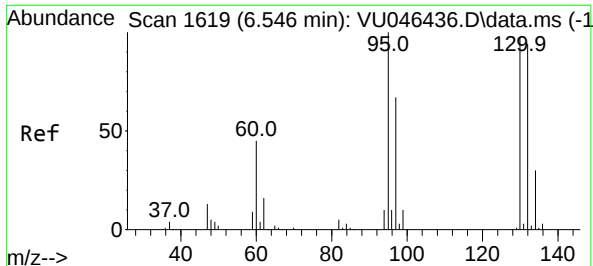
Delta R.T. -0.067 min

Lab File: VU046445.D

Acq: 17 Dec 2021 01:10

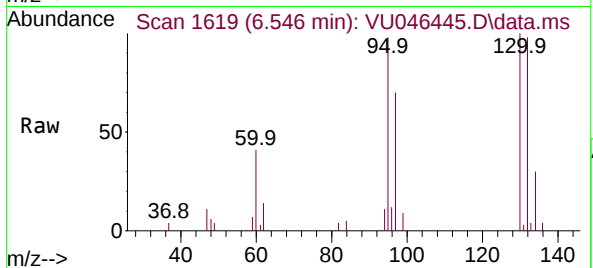
Tgt Ion: 62	Resp: 879		
Ion Ratio	Lower	Upper	
62 100			
98 0.0	7.9	11.9#	



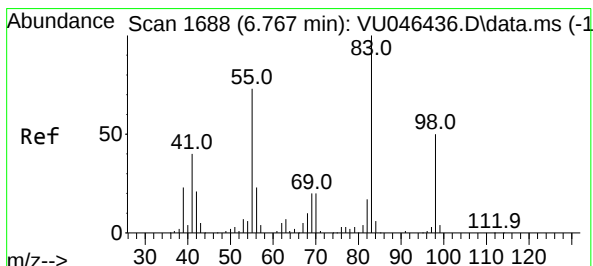
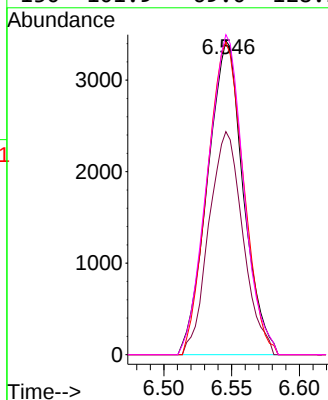
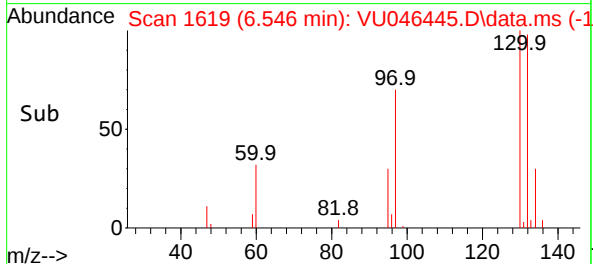


#34
Trichloroethene
Concen: 5.368 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046445.D
Acq: 17 Dec 2021 01:10

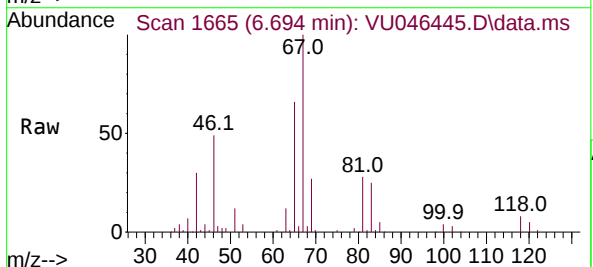
Instrument :
MSVOA_U
ClientSampleId :



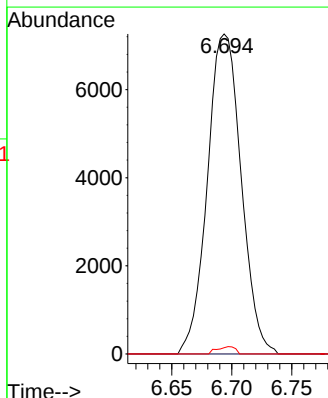
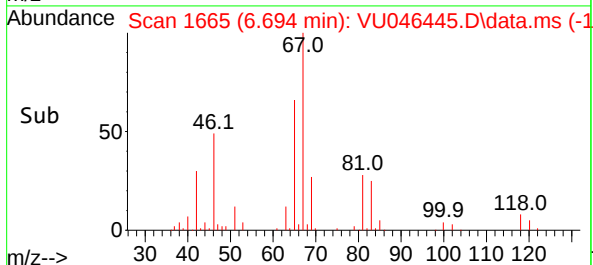
Tgt Ion: 95 Resp: 6295
Ion Ratio Lower Upper
95 100
97 71.1 44.1 81.9
132 99.6 66.8 124.0
130 101.9 69.0 128.1

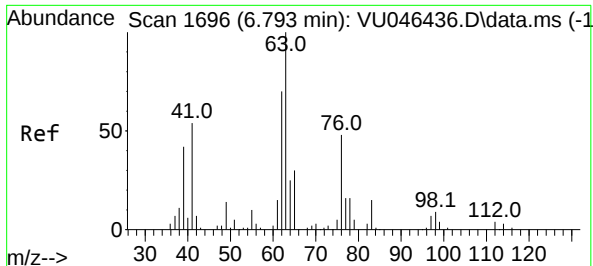


#35
Methylcyclohexane
Concen: 7.835 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046445.D
Acq: 17 Dec 2021 01:10



Tgt Ion: 83 Resp: 14246
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.9 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.695 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046445.D

Acq: 17 Dec 2021 01:10

Instrument :

MSVOA_U

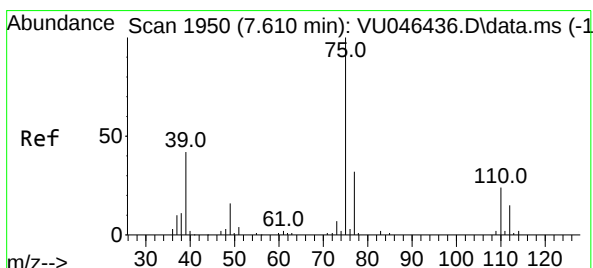
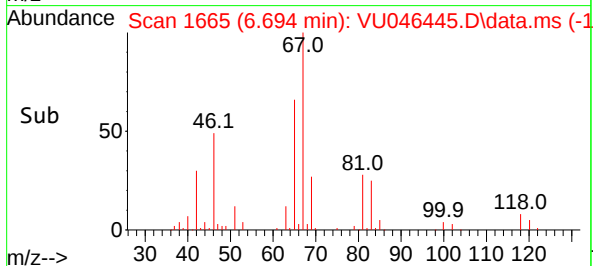
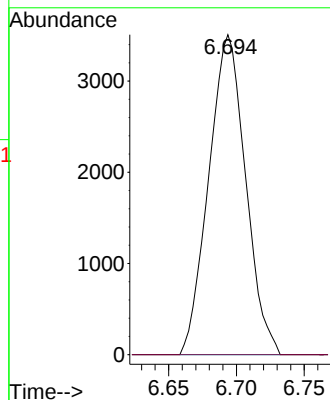
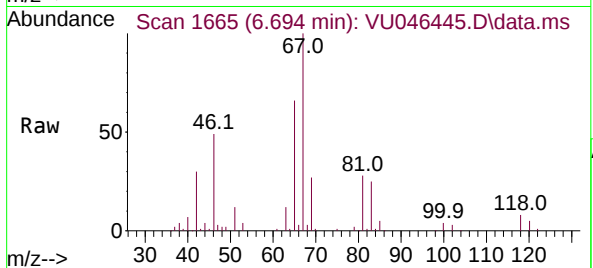
ClientSampleId :

Tgt Ion: 63 Resp: 6641

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.874 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.038 min

Lab File: VU046445.D

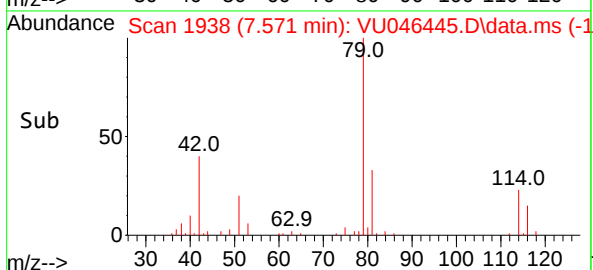
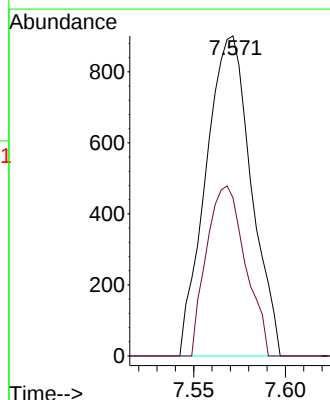
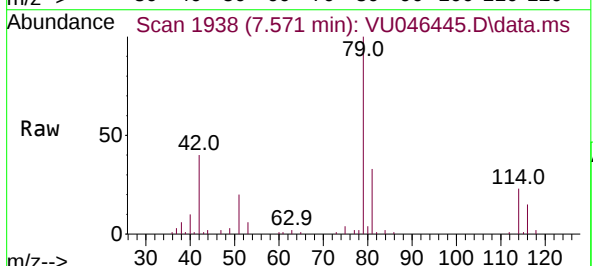
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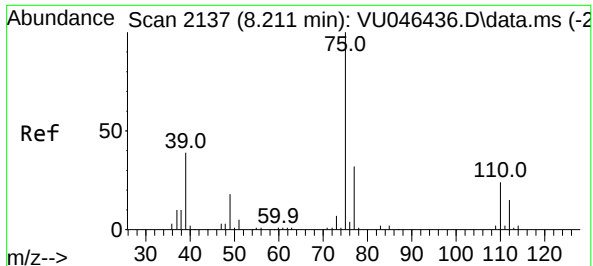
Tgt Ion: 75 Resp: 1551

Ion Ratio Lower Upper

75 100

77 49.4 21.8 40.6#

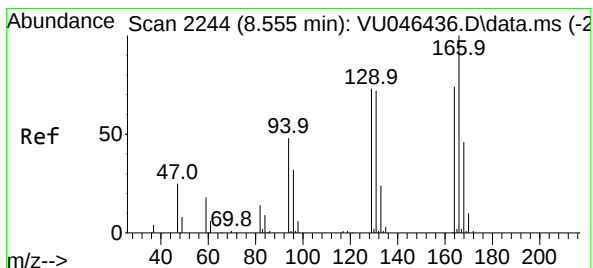
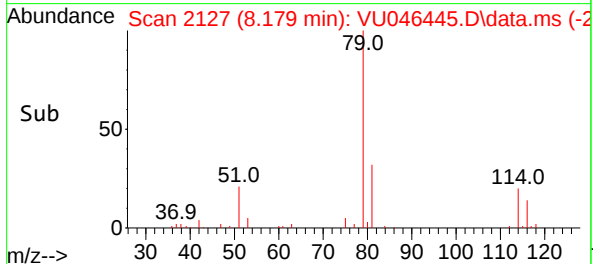
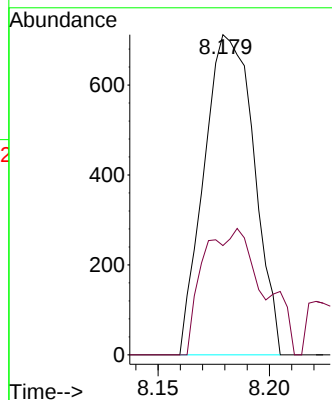
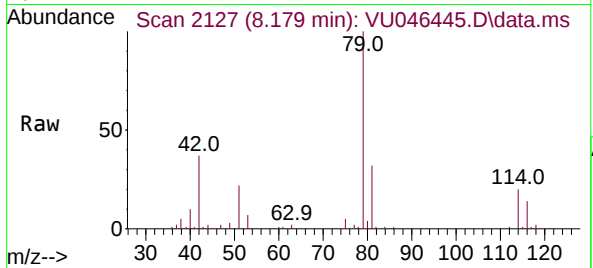




#44
trans-1,3-Dichloropropene
Concen: 0.638 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU046445.D
Acq: 17 Dec 2021 01:10

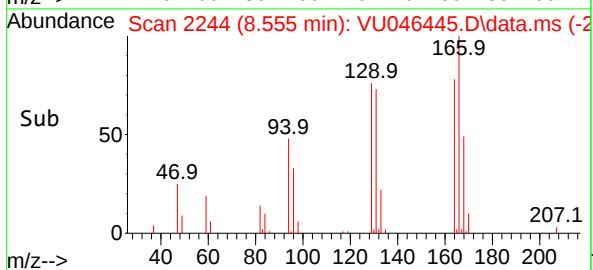
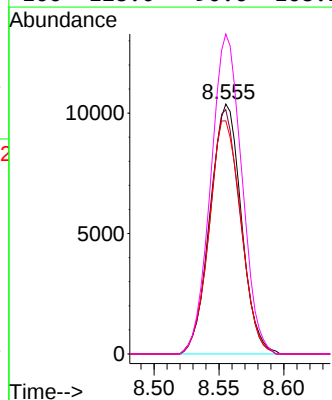
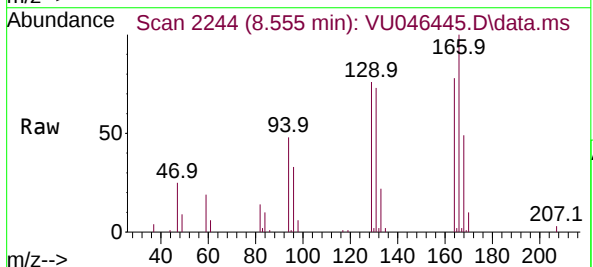
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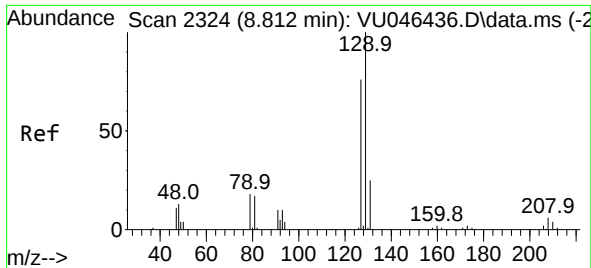
Tgt Ion: 75 Resp: 1111
Ion Ratio Lower Upper
75 100
77 34.1 21.7 40.3



#46
Tetrachloroethene
Concen: 20.198 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046445.D
Acq: 17 Dec 2021 01:10

Tgt Ion: 164 Resp: 17406
Ion Ratio Lower Upper
164 100
129 97.8 71.1 132.1
131 93.3 67.8 126.0
166 128.0 90.6 168.2

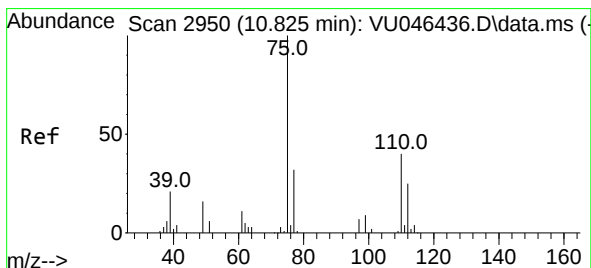
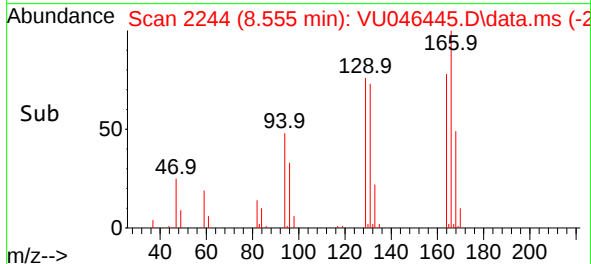
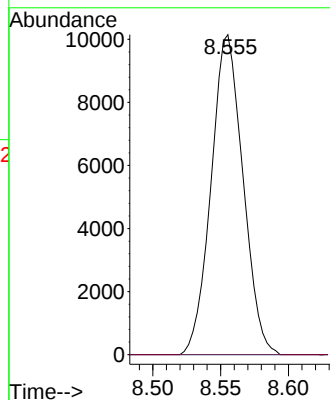
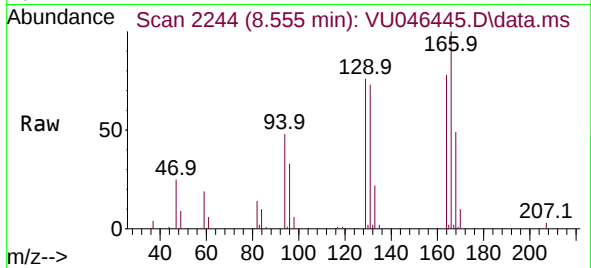




#49
Dibromochloromethane
Concen: 13.510 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046445.D
Acq: 17 Dec 2021 01:10

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 16597
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.618 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046445.D
Acq: 17 Dec 2021 01:10

Tgt Ion: 75 Resp: 9005
Ion Ratio Lower Upper
75 100
77 33.0 26.4 39.6
110 1.3 32.4 48.6#

