

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046439.D
 Acq On : 16 Dec 2021 22:54
 Operator : SY/MD
 Sample : M5101-11ME
 Misc : 7.06g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 04:05:32 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)

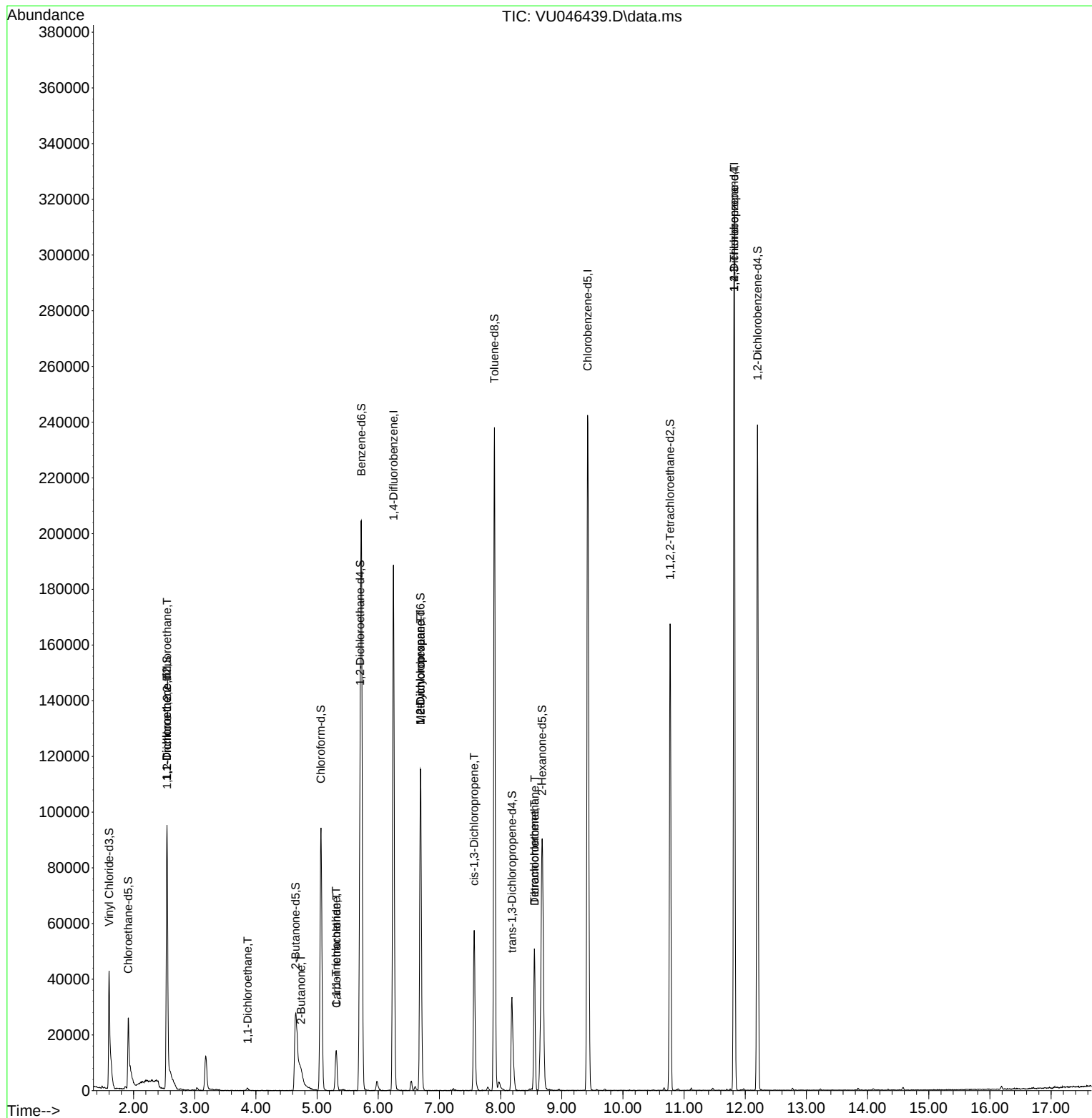
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	155558	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	165770	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	81486	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	49503	38.632	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.260%		
7) Chloroethane-d5	1.912	69	33369	33.917	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	67.840%#		
11) 1,1-Dichloroethene-d2	2.546	63	64082	27.857	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	55.720%#		
21) 2-Butanone-d5	4.649	46	69528	68.255	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	68.250%		
24) Chloroform-d	5.063	84	88748	41.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.940%		
26) 1,2-Dichloroethane-d4	5.703	65	61090	42.539	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.080%		
32) Benzene-d6	5.722	84	180492	37.988	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.980%		
36) 1,2-Dichloropropane-d6	6.690	67	55749	37.860	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	75.720%		
41) Toluene-d8	7.899	98	158622	36.667	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	73.340%#		
43) trans-1,3-Dichloroprop...	8.185	79	26022	36.608	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.220%		
47) 2-Hexanone-d5	8.677	63	54586	78.185	ug/L	0.04
Spiked Amount 100.000	Range 45 - 130		Recovery =	78.180%		
56) 1,1,2,2-Tetrachloroeth...	10.770	84	84042	37.635	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery =	75.260%		
66) 1,2-Dichlorobenzene-d4	12.201	152	61264	39.040	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.080%#		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.549	101	474	0.419	ug/L #	21
12) 1,1-Dichloroethene	2.546	96	394	0.366	ug/L #	1
19) 1,1-Dichloroethane	3.864	63	1369	0.661	ug/L #	81
22) 2-Butanone	4.739	43	8038	5.800	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	11087	5.449	ug/L	99
31) Carbon tetrachloride	5.317	117	1274	0.737	ug/L #	49
35) Methylcyclohexane	6.690	83	13754	6.711	ug/L #	21
37) 1,2-Dichloropropane	6.690	63	6475	4.927	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1633	0.817	ug/L #	76
46) Tetrachloroethene	8.552	164	11159	11.488	ug/L	98
49) Dibromochloromethane	8.555	129	11146	8.050	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	10125	5.668	ug/L #	64

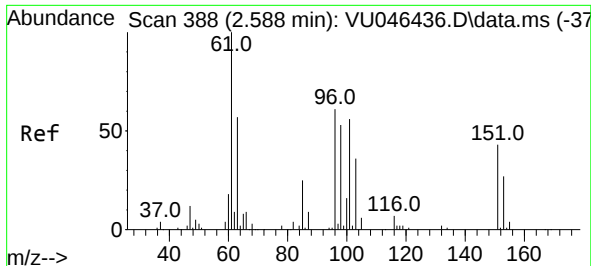
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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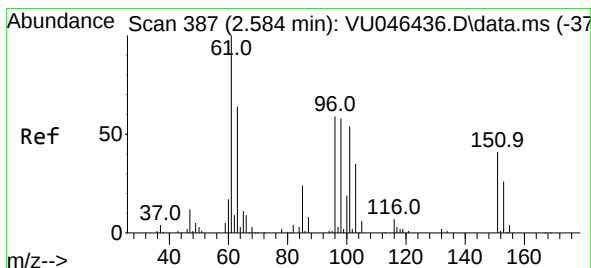
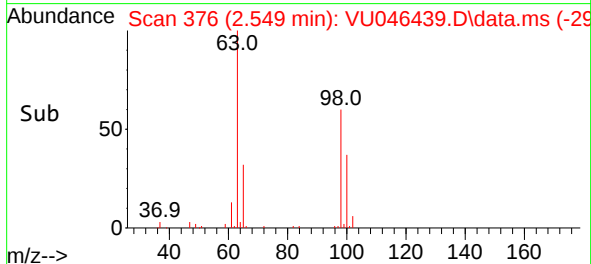
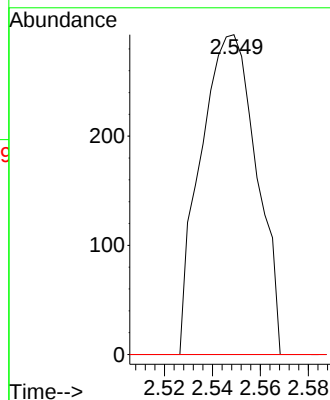
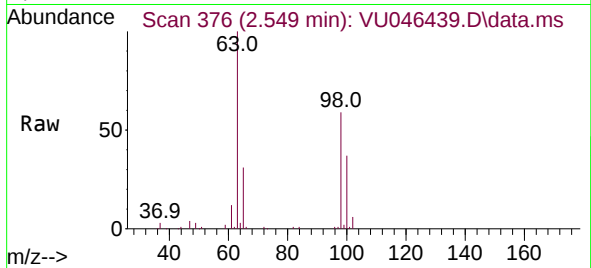




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.419 ug/L
RT: 2.549 min Scan# 31
Delta R.T. -0.039 min
Lab File: VU046439.D
Acq: 16 Dec 2021 22:54

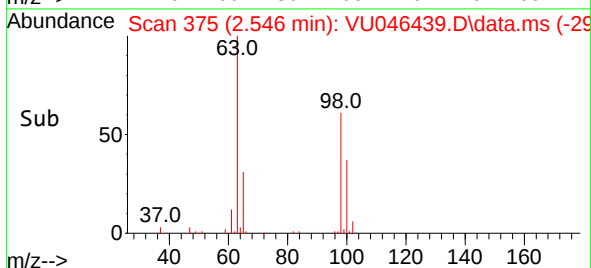
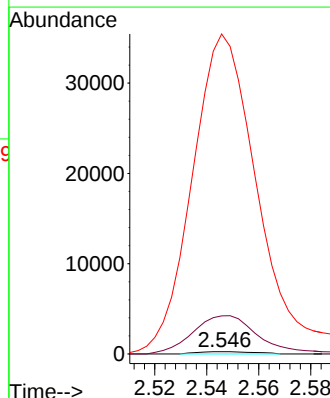
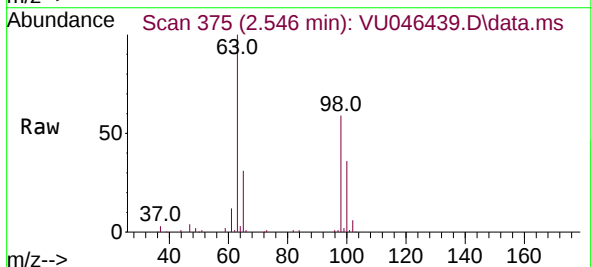
Instrument :
MSVOA_U
ClientSampleId :

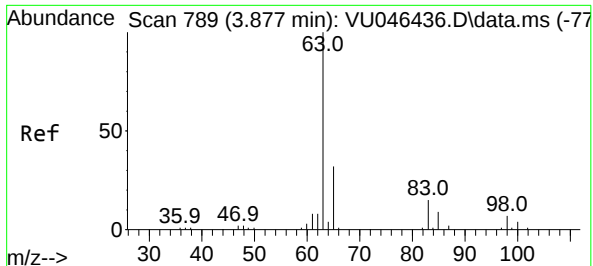
Tgt Ion:101 Resp: 474
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.366 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.039 min
Lab File: VU046439.D
Acq: 16 Dec 2021 22:54

Tgt Ion: 96 Resp: 394
Ion Ratio Lower Upper
96 100
61 1633.7 118.6 220.2#
63 13739.5 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 0.661 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.013 min

Lab File: VU046439.D

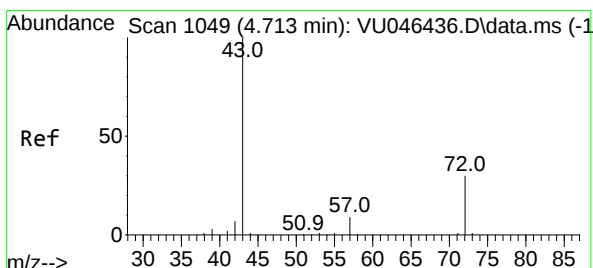
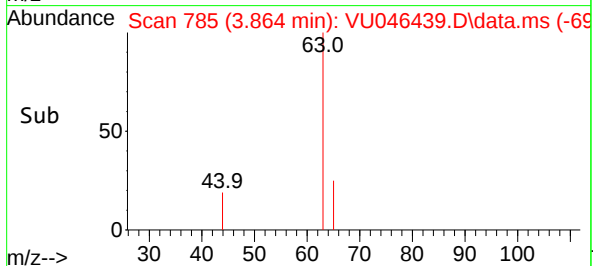
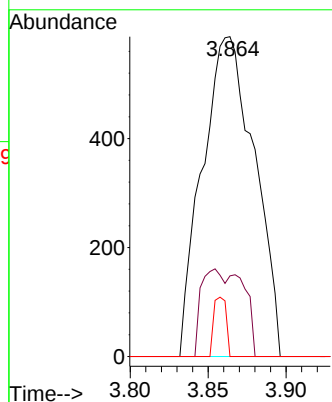
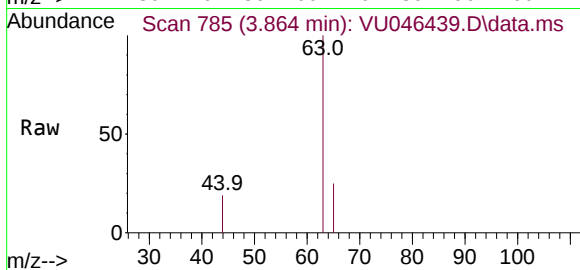
Acq: 16 Dec 2021 22:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp:	1369
Ion	Ratio	Lower Upper
63	100	
65	25.2	22.8 42.4
83	0.0	9.6 17.8#



#22

2-Butanone

Concen: 5.800 ug/L

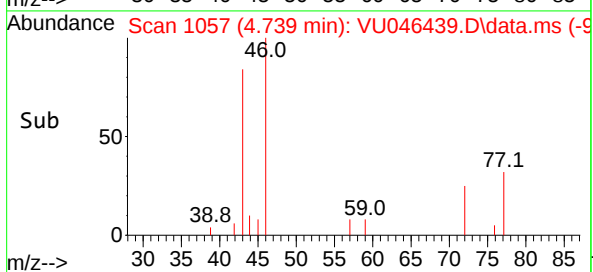
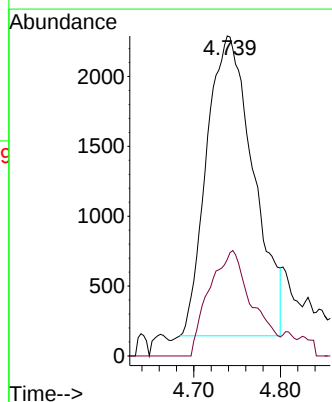
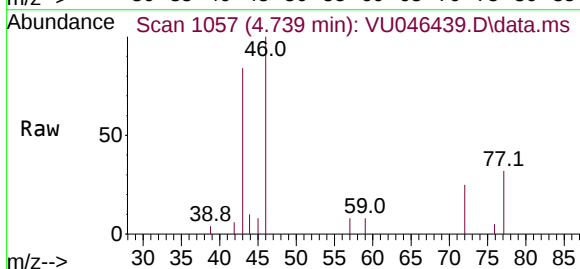
RT: 4.739 min Scan# 1057

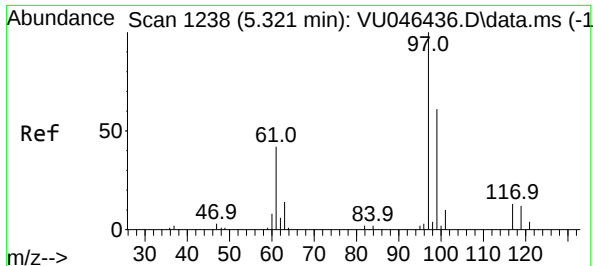
Delta R.T. 0.026 min

Lab File: VU046439.D

Acq: 16 Dec 2021 22:54

Tgt Ion: 43	Resp:	8038
Ion	Ratio	Lower Upper
43	100	
72	26.9	14.5 43.6





#30

1,1,1-Trichloroethane

Concen: 5.449 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU046439.D

Acq: 16 Dec 2021 22:54

Instrument :

MSVOA_U

ClientSampleId :

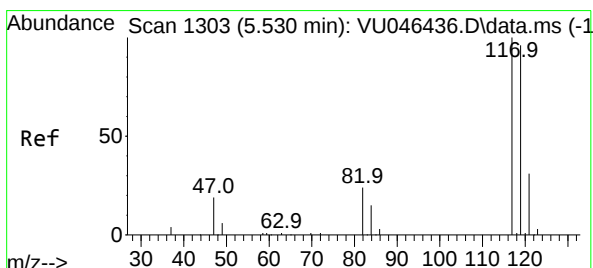
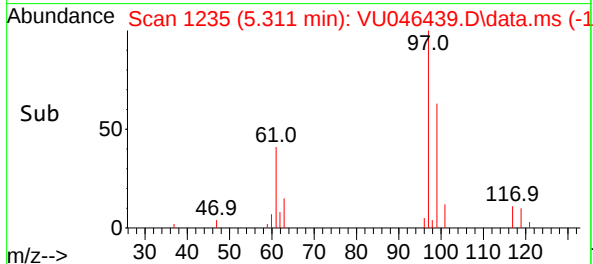
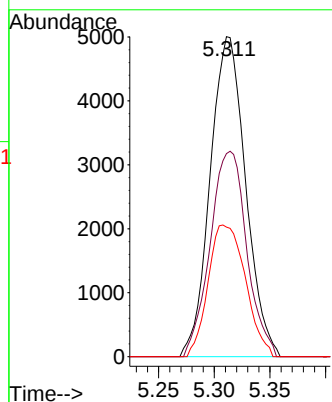
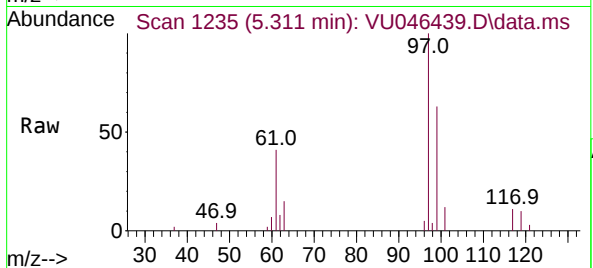
Tgt Ion: 97 Resp: 11087

Ion Ratio Lower Upper

97 100

99 66.3 51.8 77.6

61 43.2 34.4 51.6



#31

Carbon tetrachloride

Concen: 0.737 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.212 min

Lab File: VU046439.D

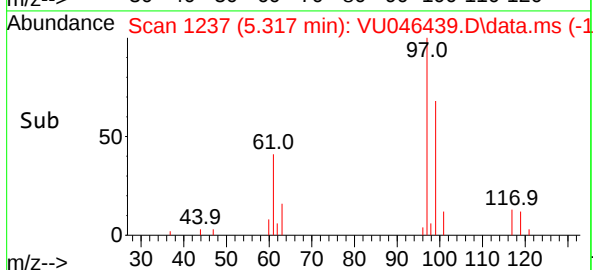
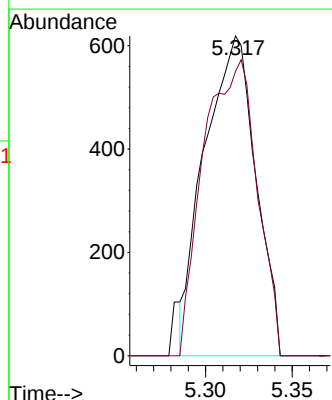
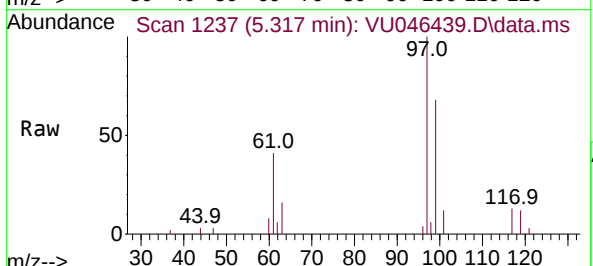
Acq: 16 Dec 2021 22:54

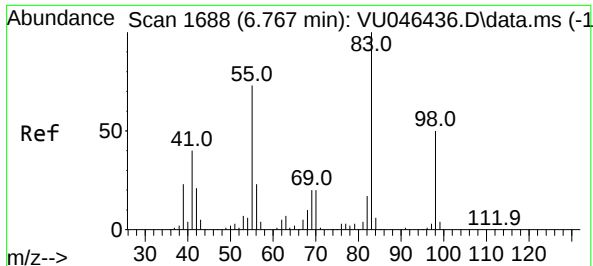
Tgt Ion: 117 Resp: 1274

Ion Ratio Lower Upper

117 100

119 44.8 75.7 113.5#

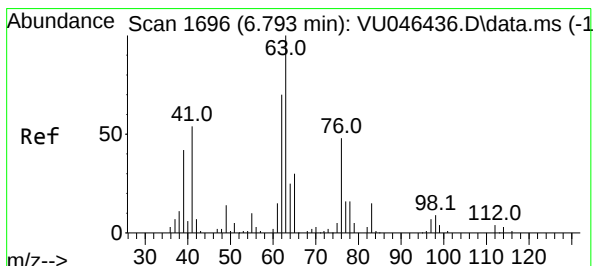
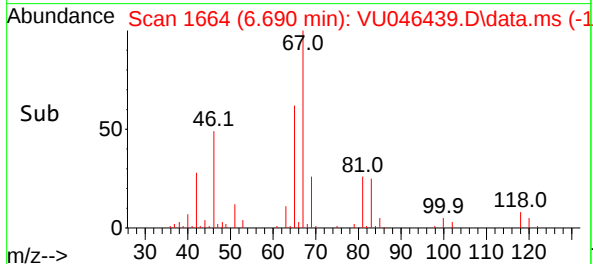
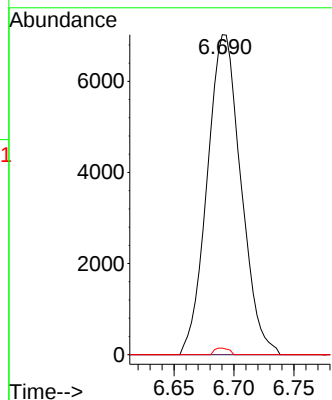
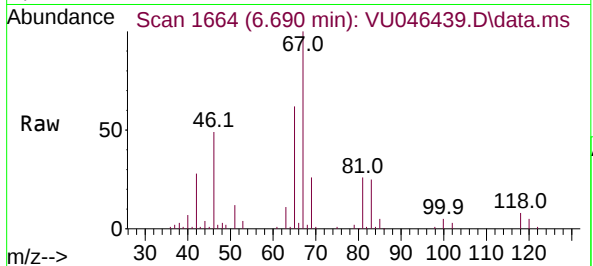




#35
Methylcyclohexane
Concen: 6.711 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046439.D
Acq: 16 Dec 2021 22:54

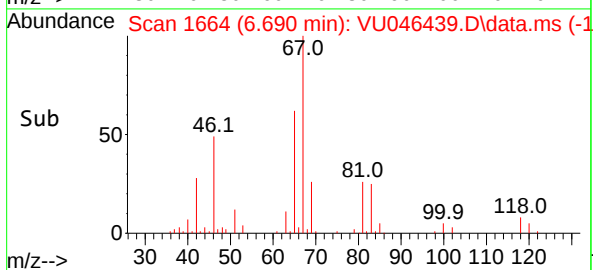
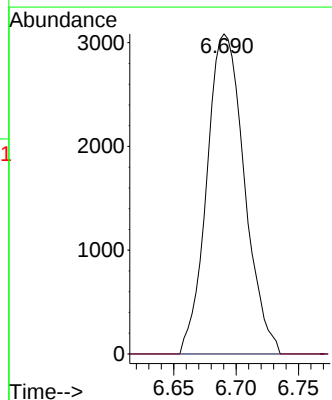
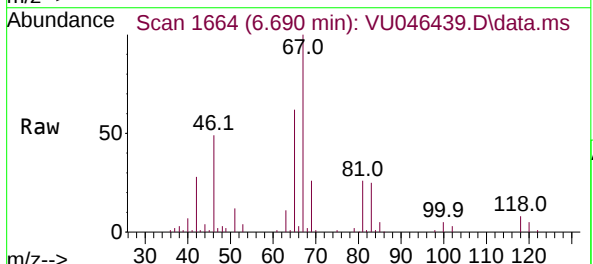
Instrument :
MSVOA_U
ClientSampleId :

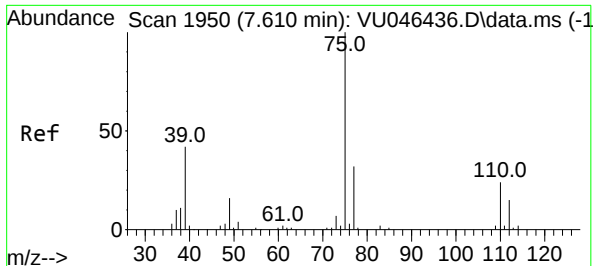
Tgt Ion: 83 Resp: 13754
Ion Ratio Lower Upper
83 100
55 1.0 57.8 86.6#
98 0.9 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 4.927 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046439.D
Acq: 16 Dec 2021 22:54

Tgt Ion: 63 Resp: 6475
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.817 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046439.D

Acq: 16 Dec 2021 22:54

Instrument :

MSVOA_U

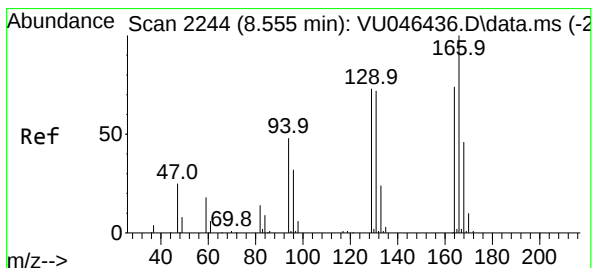
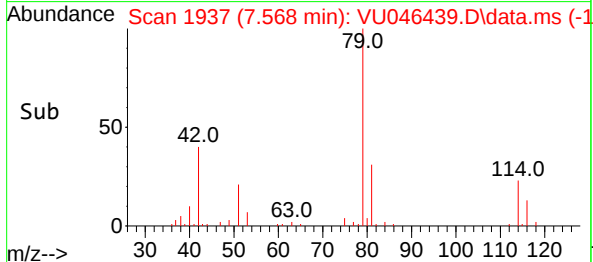
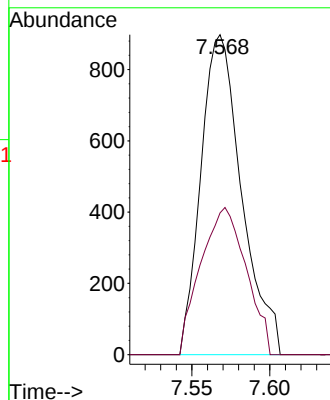
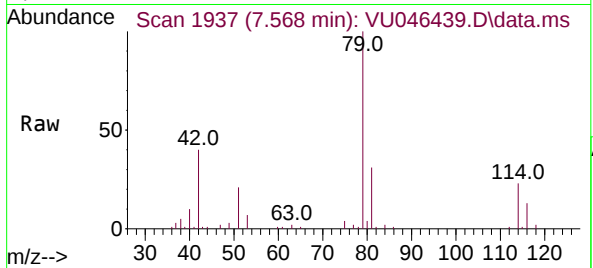
ClientSampleId :

Tgt Ion: 75 Resp: 1633

Ion Ratio Lower Upper

75 100

77 44.3 21.8 40.6#



#46

Tetrachloroethene

Concen: 11.488 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU046439.D

Acq: 16 Dec 2021 22:54

Tgt Ion: 164 Resp: 11159

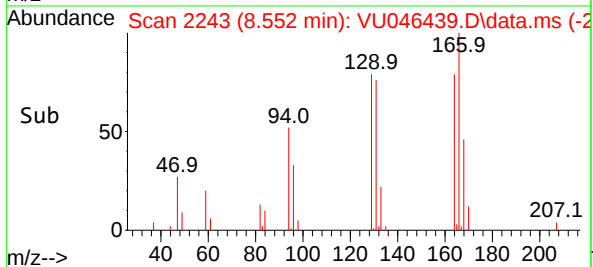
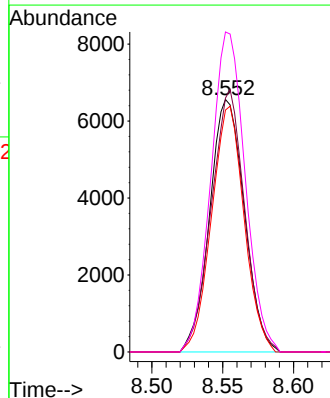
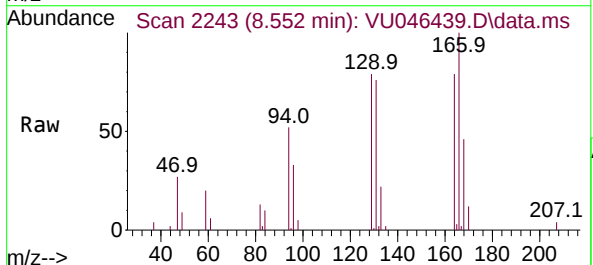
Ion Ratio Lower Upper

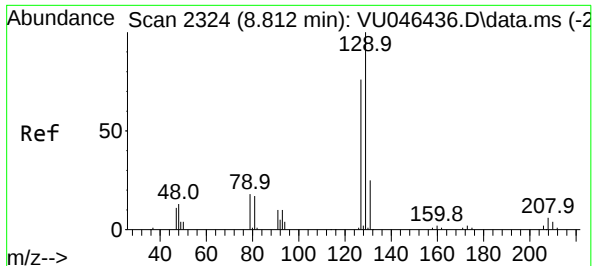
164 100

129 100.6 71.1 132.1

131 95.8 67.8 126.0

166 126.8 90.6 168.2





#49

Dibromochloromethane

Concen: 8.050 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046439.D

Acq: 16 Dec 2021 22:54

Instrument :

MSVOA_U

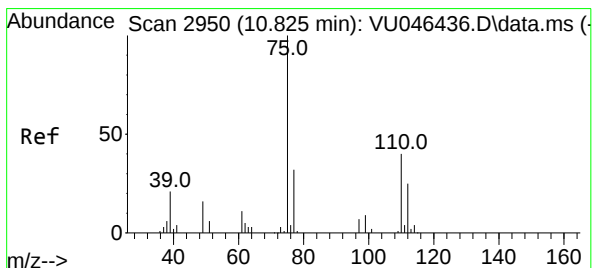
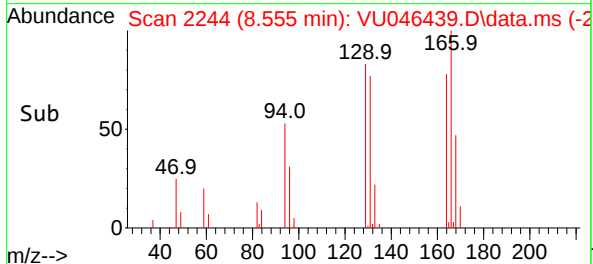
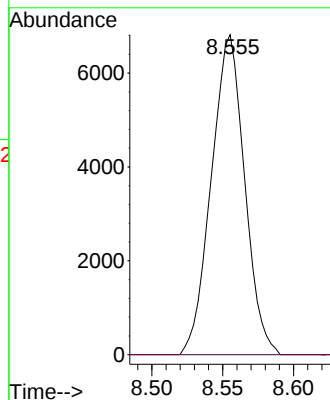
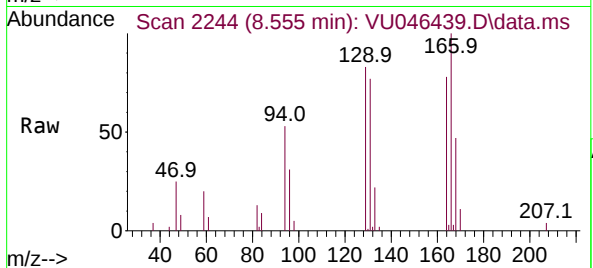
ClientSampleId :

Tgt Ion:129 Resp: 11146

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.668 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.994 min

Lab File: VU046439.D

Acq: 16 Dec 2021 22:54

Tgt Ion: 75 Resp: 10125

Ion Ratio Lower Upper

75 100

77 35.0 26.4 39.6

110 1.9 32.4 48.6#

