

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046329.D
 Acq On : 13 Dec 2021 20:28
 Operator : SY/MD
 Sample : M5062-15ME
 Misc : 6.25g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 14 03:54:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

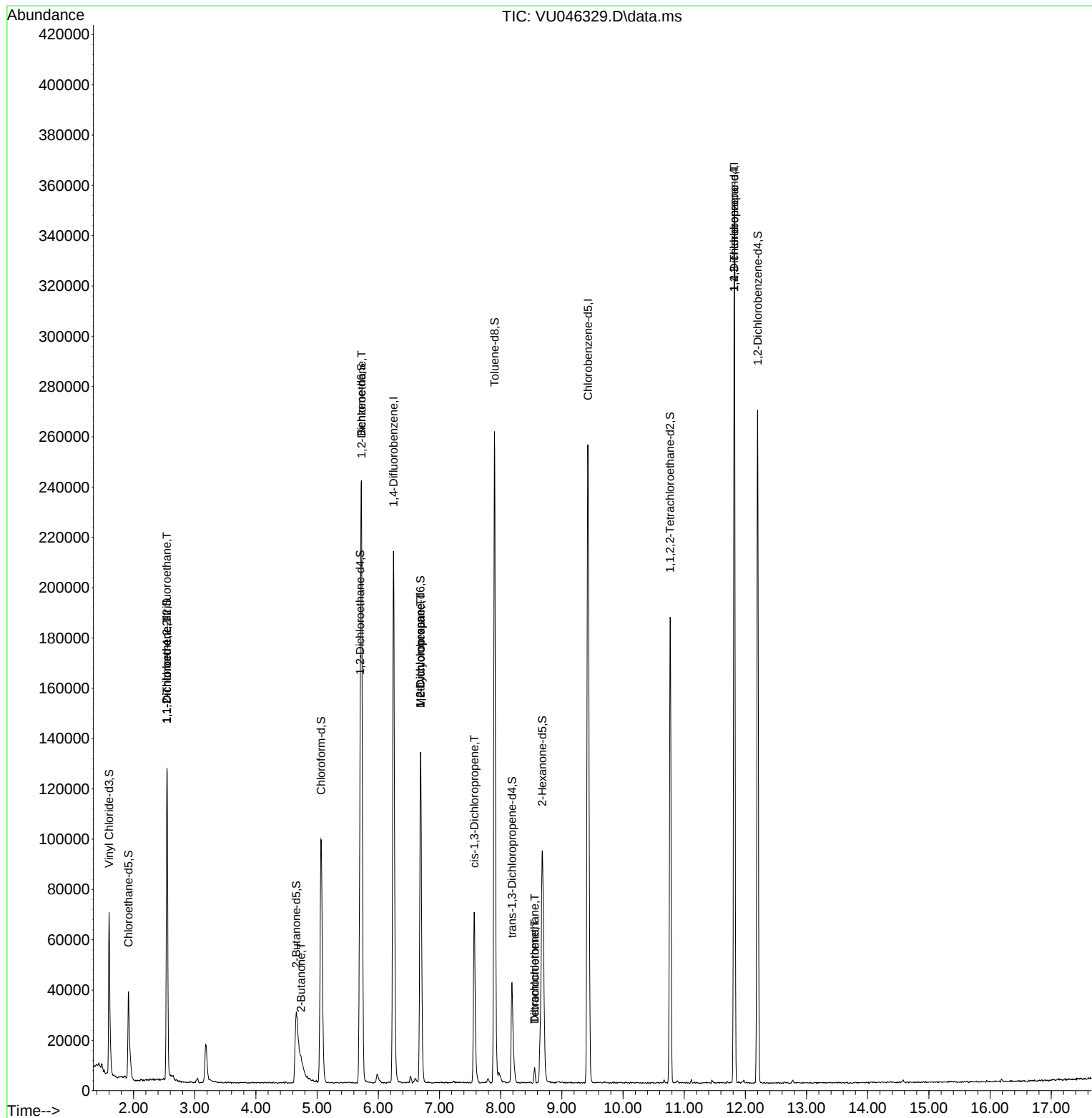
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	184312	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	189653	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	91034	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	59546	39.220	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.440%		
7) Chloroethane-d5	1.916	69	38851	33.328	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	66.660%#		
11) 1,1-Dichloroethene-d2	2.546	63	73892	27.111	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.220%#		
21) 2-Butanone-d5	4.658	46	79512	65.878	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	65.880%		
24) Chloroform-d	5.064	84	97782	38.566	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	77.140%		
26) 1,2-Dichloroethane-d4	5.703	65	72084	42.364	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.720%		
32) Benzene-d6	5.723	84	209670	38.572	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	77.140%		
36) 1,2-Dichloropropane-d6	6.690	67	66287	39.348	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	78.700%		
41) Toluene-d8	7.899	98	186140	37.610	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	75.220%#		
43) trans-1,3-Dichloroprop...	8.186	79	31528	38.769	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.540%		
47) 2-Hexanone-d5	8.681	63	60568	75.828	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	75.830%		
56) 1,1,2,2-Tetrachloroeth...	10.771	84	96533	37.784	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery =	75.560%		
66) 1,2-Dichlorobenzene-d4	12.201	152	68365	38.995	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.000%#		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	673	0.502	ug/L #	21
12) 1,1-Dichloroethene	2.546	96	551	0.432	ug/L #	1
22) 2-Butanone	4.739	43	7548	4.597	ug/L	87
27) 1,2-Dichloroethane	5.726	62	1163	0.575	ug/L #	73
35) Methylcyclohexane	6.690	83	16111	6.871	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	7453	4.957	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1998	0.873	ug/L	85
46) Tetrachloroethene	8.555	164	1317	1.185	ug/L	93
49) Dibromochloromethane	8.555	129	1241	0.783	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	11048	5.536	ug/L #	66

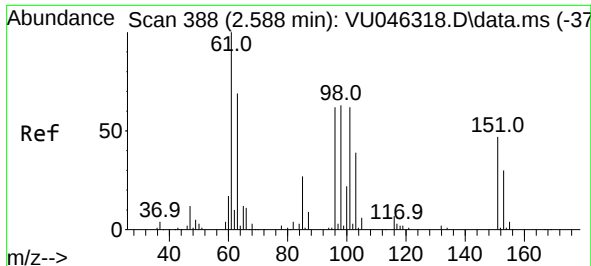
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 03:54:31 2021
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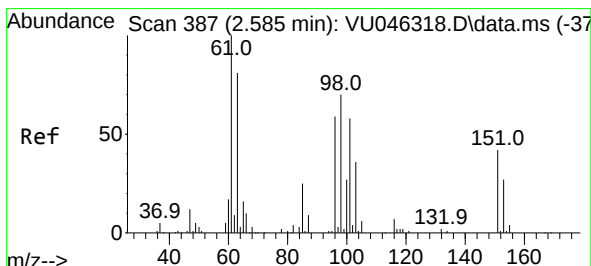
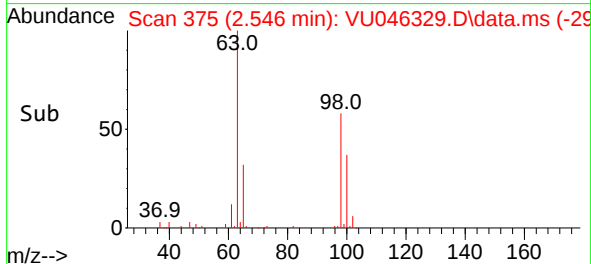
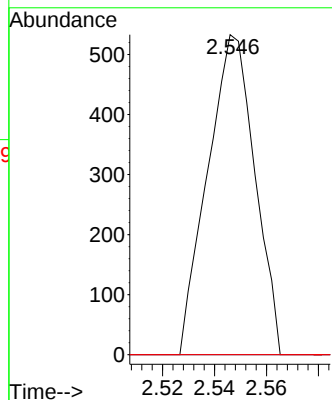
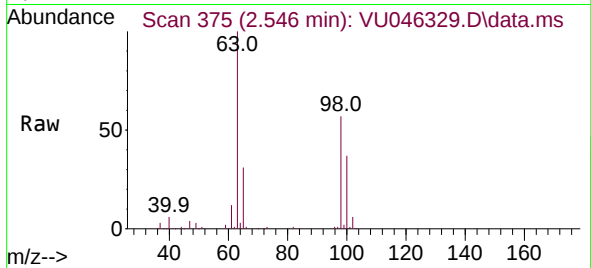




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.502 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.042 min
Lab File: VU046329.D
Acq: 13 Dec 2021 20:28

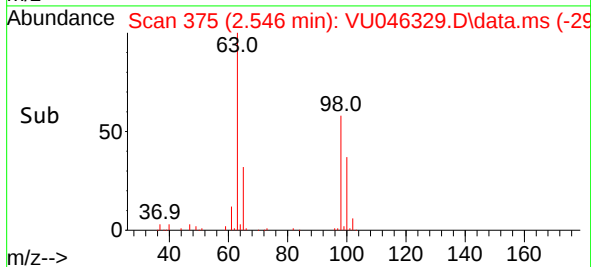
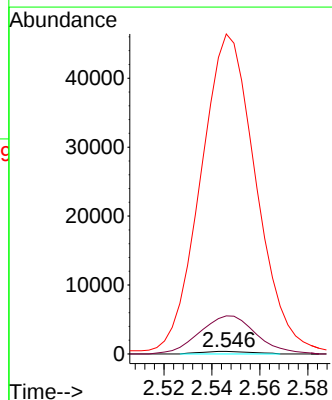
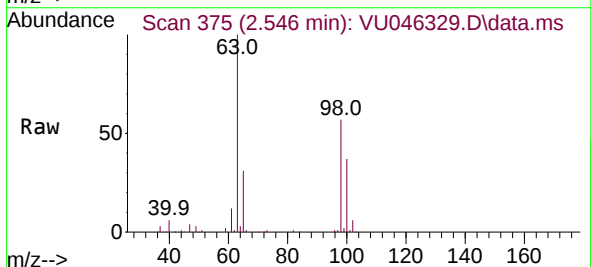
Instrument :
MSVOA_U
ClientSampleId :

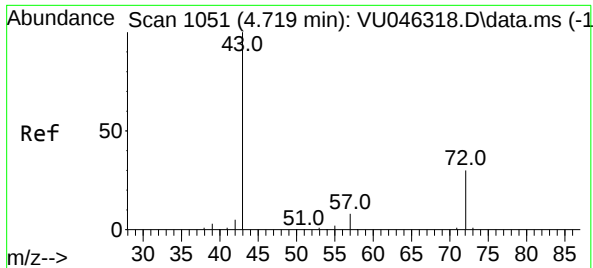
Tgt Ion:101 Resp: 673
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.432 ug/L
RT: 2.546 min Scan# 375
Delta R.T. -0.039 min
Lab File: VU046329.D
Acq: 13 Dec 2021 20:28

Tgt Ion: 96 Resp: 551
Ion Ratio Lower Upper
96 100
61 1507.9 118.6 220.2#
63 12649.6 93.0 172.8#

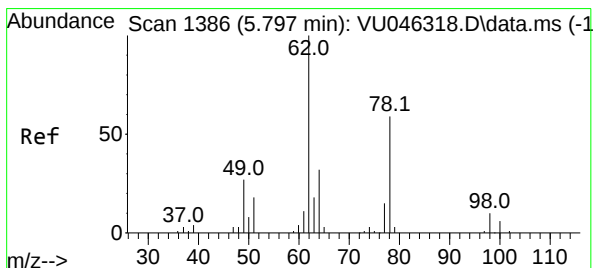
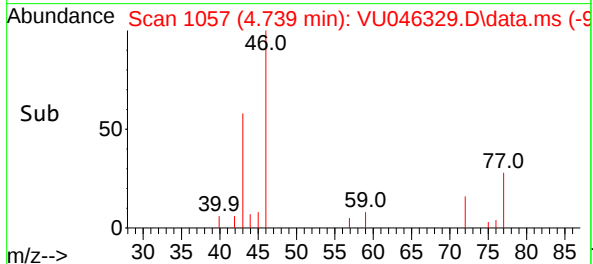
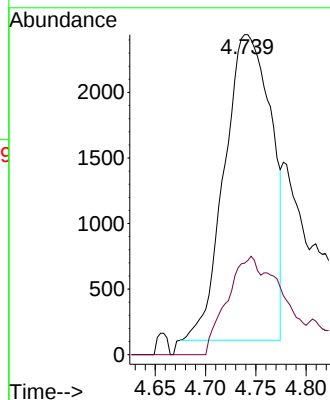
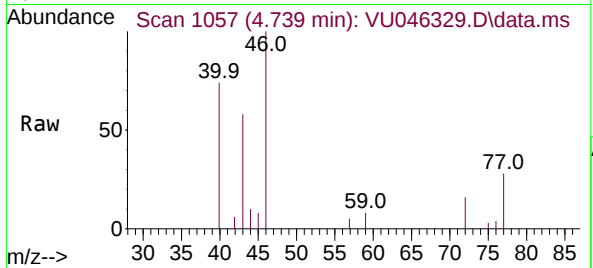




#22
2-Butanone
Concen: 4.597 ug/L
RT: 4.739 min Scan# 1057
Delta R.T. 0.020 min
Lab File: VU046329.D
Acq: 13 Dec 2021 20:28

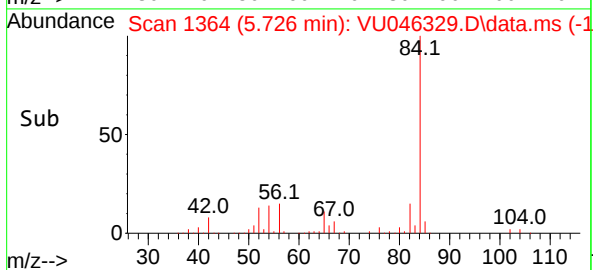
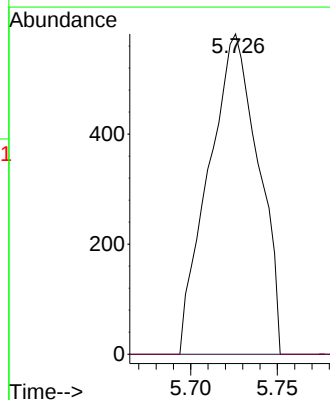
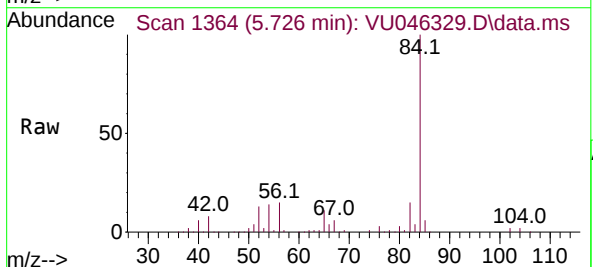
Instrument :
MSVOA_U
ClientSampleId :

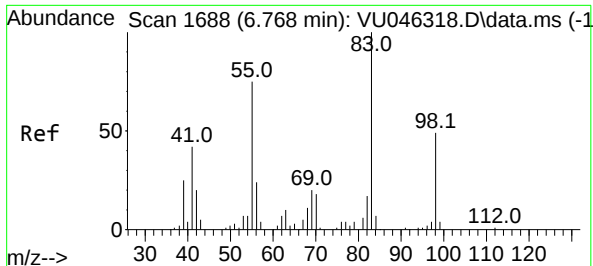
Tgt Ion: 43 Resp: 7548
Ion Ratio Lower Upper
43 100
72 22.0 14.5 43.6



#27
1,2-Dichloroethane
Concen: 0.575 ug/L
RT: 5.726 min Scan# 1364
Delta R.T. -0.071 min
Lab File: VU046329.D
Acq: 13 Dec 2021 20:28

Tgt Ion: 62 Resp: 1163
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#

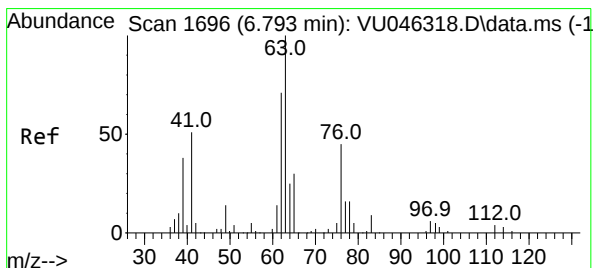
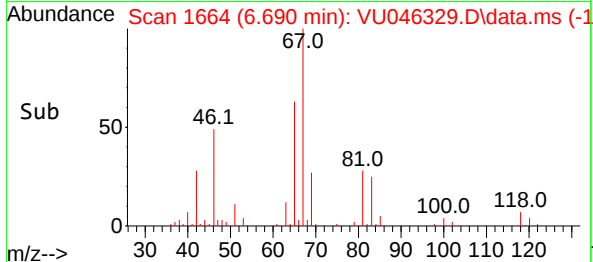
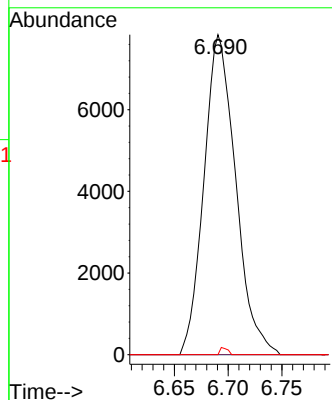
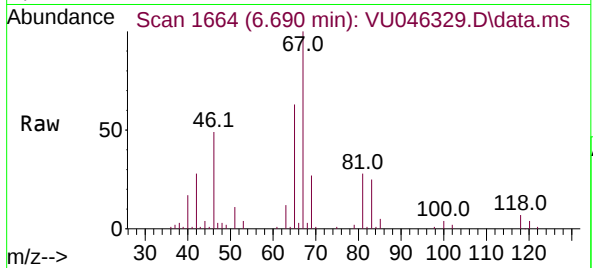




#35
Methylcyclohexane
Concen: 6.871 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046329.D
Acq: 13 Dec 2021 20:28

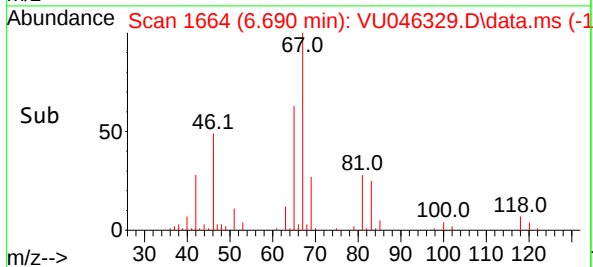
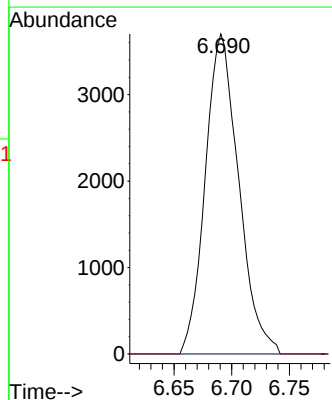
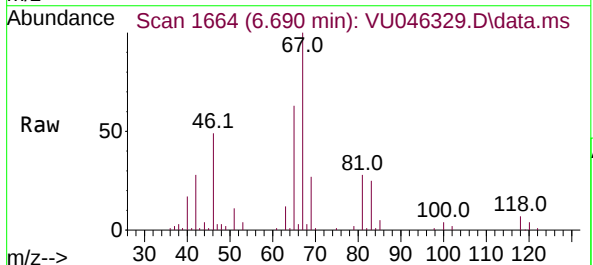
Instrument :
MSVOA_U
ClientSampleId :

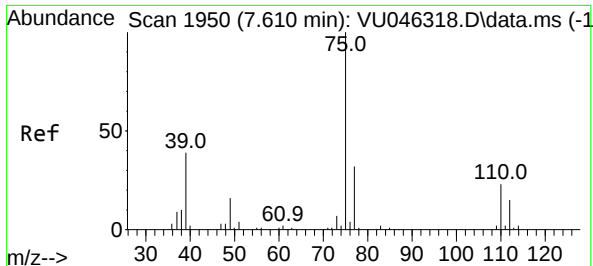
Tgt Ion: 83 Resp: 16111
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.5 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 4.957 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046329.D
Acq: 13 Dec 2021 20:28

Tgt Ion: 63 Resp: 7453
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.873 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046329.D

Acq: 13 Dec 2021 20:28

Instrument :

MSVOA_U

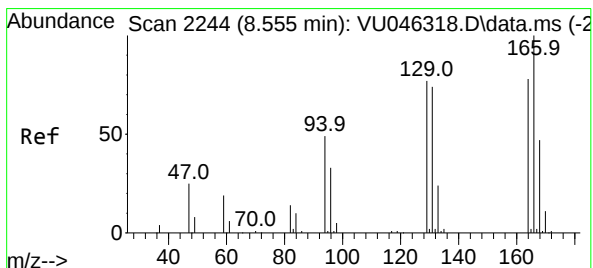
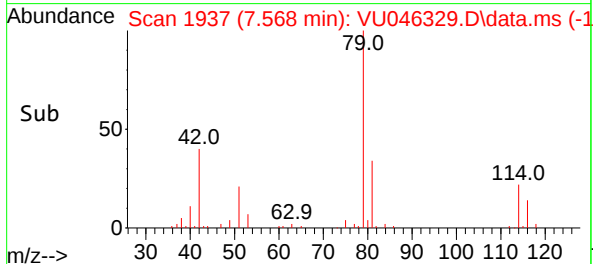
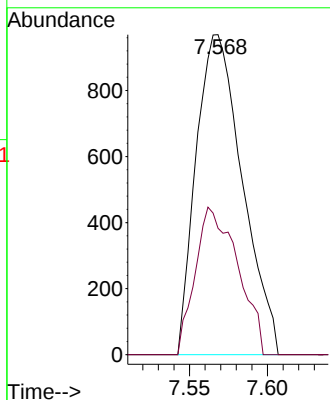
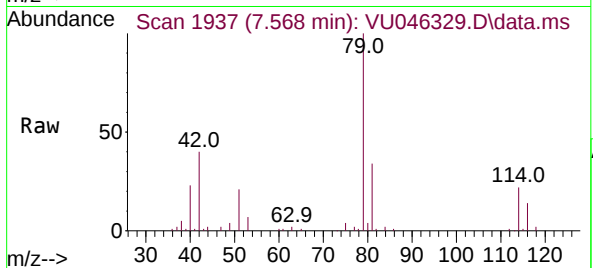
ClientSampleId :

Tgt Ion: 75 Resp: 1998

Ion Ratio Lower Upper

75 100

77 39.5 21.8 40.6



#46

Tetrachloroethene

Concen: 1.185 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU046329.D

Acq: 13 Dec 2021 20:28

Tgt Ion: 164 Resp: 1317

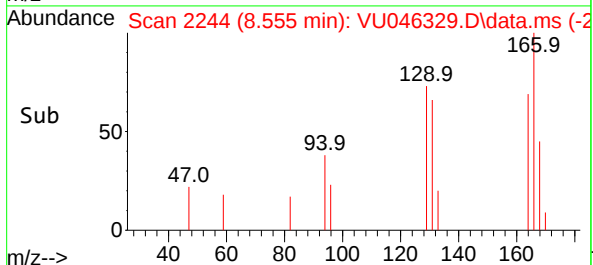
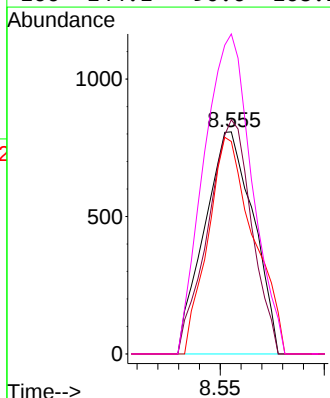
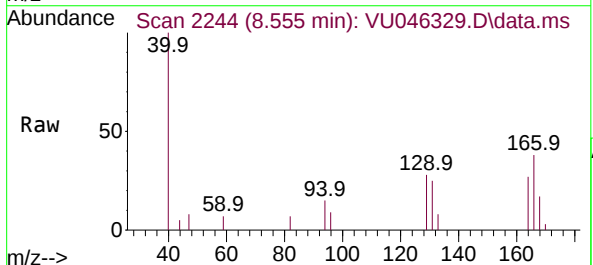
Ion Ratio Lower Upper

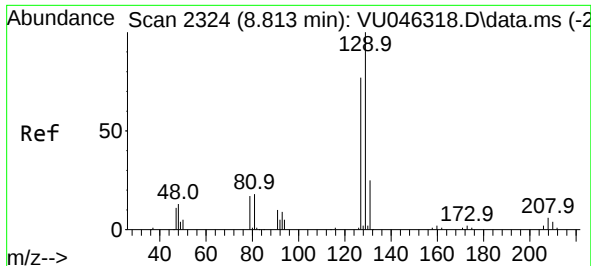
164 100

129 105.4 71.1 132.1

131 95.7 67.8 126.0

166 144.1 90.6 168.2

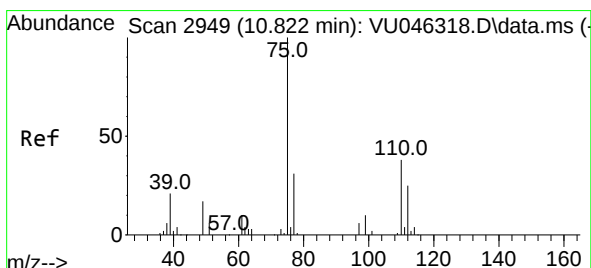
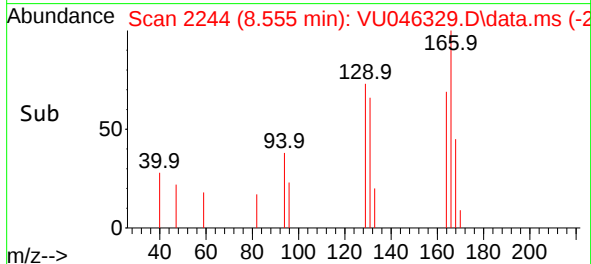
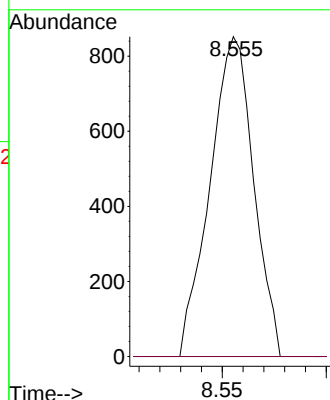
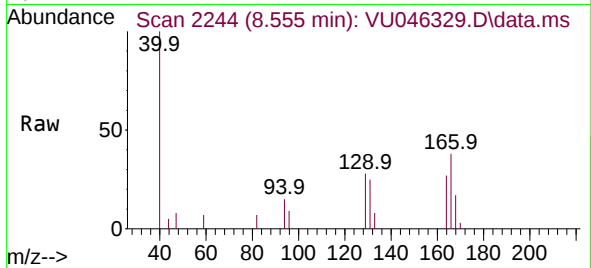




#49
Dibromochloromethane
Concen: 0.783 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046329.D
Acq: 13 Dec 2021 20:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 1241
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.536 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.997 min
Lab File: VU046329.D
Acq: 13 Dec 2021 20:28

Tgt Ion: 75 Resp: 11048
Ion Ratio Lower Upper
75 100
77 31.8 26.4 39.6
110 2.8 32.4 48.6#

