

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046440.D
 Acq On : 16 Dec 2021 23:17
 Operator : SY/MD
 Sample : M5101-12ME
 Misc : 6.90g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 04:05:46 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)

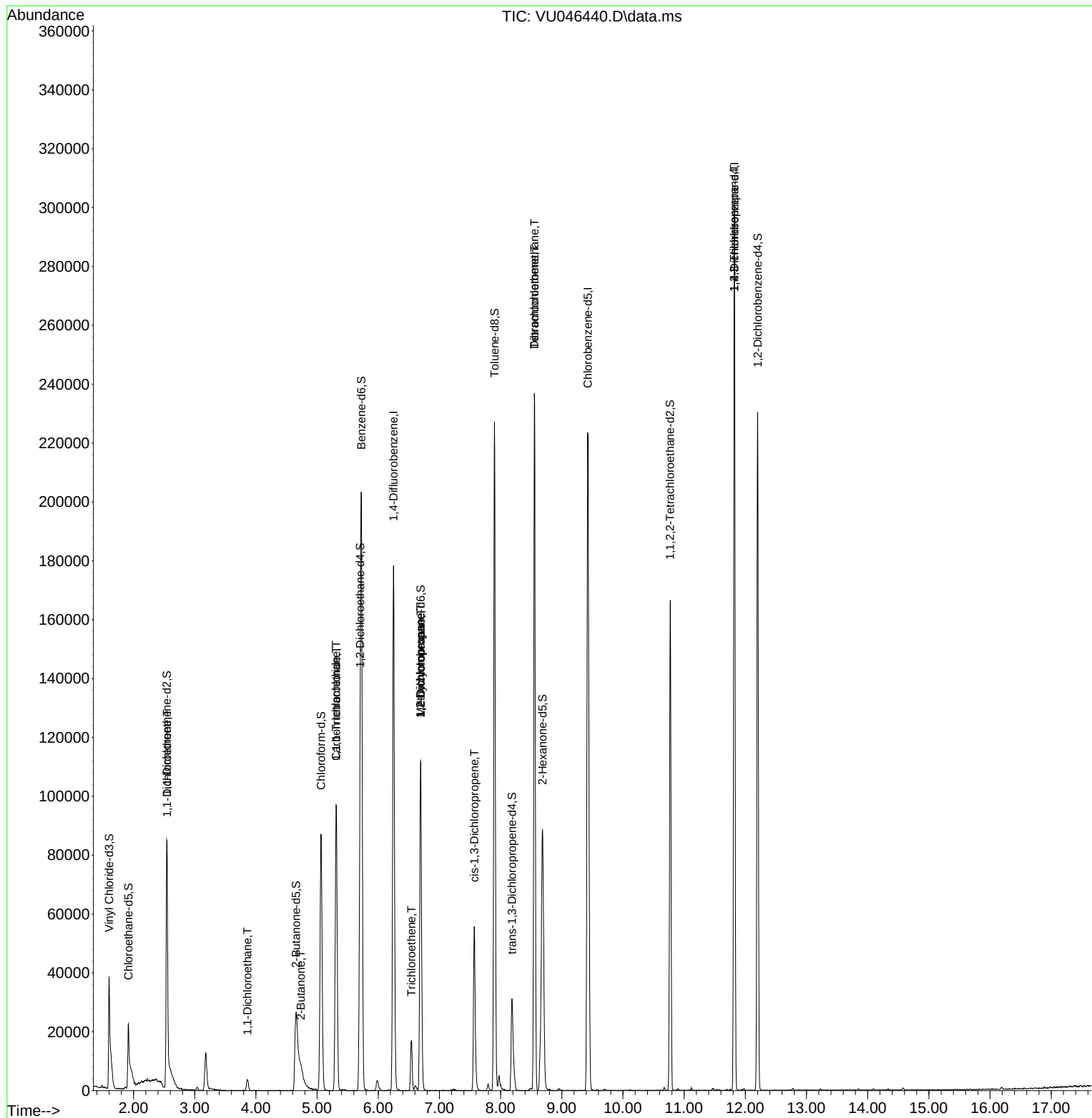
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	152708	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	159949	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	77243	50.000	ug/L	0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	48810	38.802	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.600%		
7) Chloroethane-d5	1.916	69	24783	25.660	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	51.320%#		
11) 1,1-Dichloroethene-d2	2.543	63	61213	27.107	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.220%#		
21) 2-Butanone-d5	4.655	46	70687	70.687	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	70.690%		
24) Chloroform-d	5.064	84	88414	42.088	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.180%		
26) 1,2-Dichloroethane-d4	5.704	65	62198	44.119	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.240%		
32) Benzene-d6	5.723	84	174365	38.034	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.060%		
36) 1,2-Dichloropropane-d6	6.694	67	54609	38.436	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	76.880%		
41) Toluene-d8	7.900	98	154778	37.081	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.160%#		
43) trans-1,3-Dichloroprop...	8.186	79	26466	38.588	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.180%		
47) 2-Hexanone-d5	8.684	63	54761	81.290	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	81.290%		
56) 1,1,2,2-Tetrachloroeth...	10.771	84	81693	37.914	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery =	75.820%		
66) 1,2-Dichlorobenzene-d4	12.202	152	60110	40.408	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.820%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.549	96	770	0.729	ug/L #	1
19) 1,1-Dichloroethane	3.861	63	5125	2.523	ug/L	98
22) 2-Butanone	4.736	43	5578	4.100	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	73596	37.484	ug/L	98
31) Carbon tetrachloride	5.311	117	9063	5.437	ug/L	95
34) Trichloroethene	6.543	95	6394	5.014	ug/L	85
35) Methylcyclohexane	6.694	83	13837	6.997	ug/L #	20
37) 1,2-Dichloropropane	6.691	63	6328	4.990	ug/L #	86
39) cis-1,3-Dichloropropene	7.569	75	1684	0.873	ug/L #	64
46) Tetrachloroethene	8.552	164	50545	53.931	ug/L	99
49) Dibromochloromethane	8.552	129	50912	38.107	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	9435	5.572	ug/L #	66

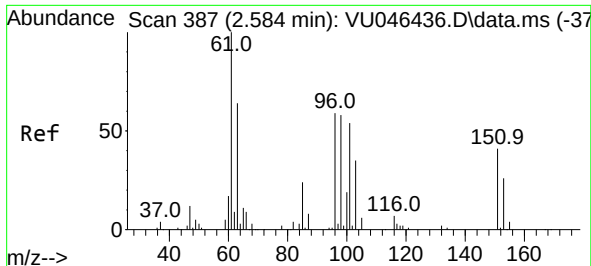
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.729 ug/L

RT: 2.549 min Scan# 31

Delta R.T. -0.035 min

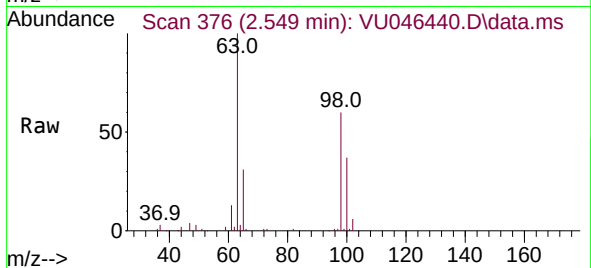
Lab File: VU046440.D

Acq: 16 Dec 2021 23:17

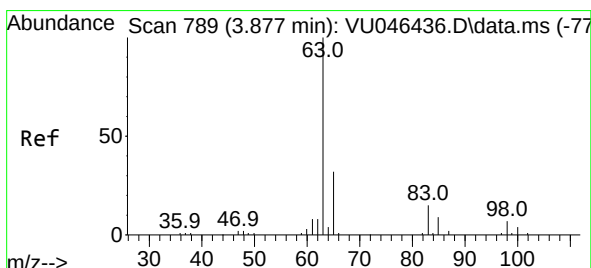
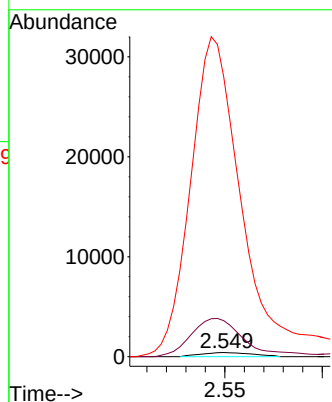
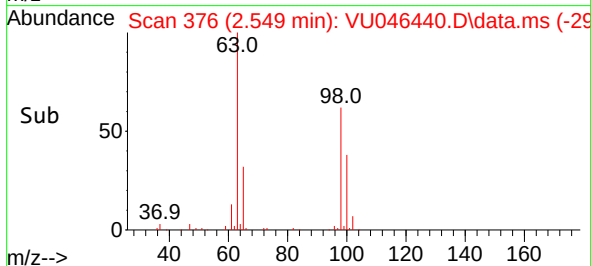
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	770
Ion Ratio	Lower	Upper	
96	100		
61	869.9	118.6	220.2#
63	6748.9	93.0	172.8#



#19

1,1-Dichloroethane

Concen: 2.523 ug/L

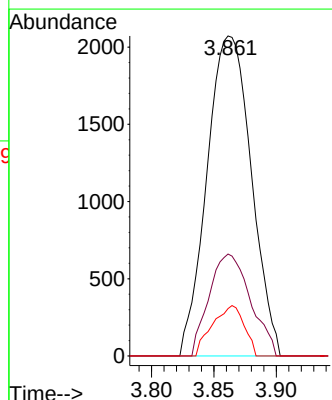
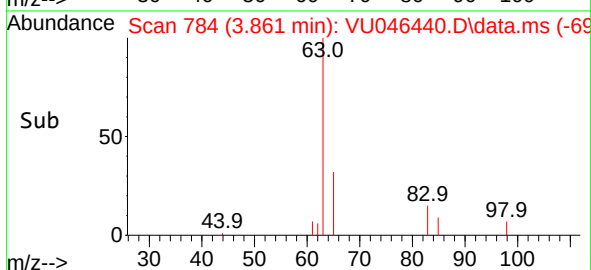
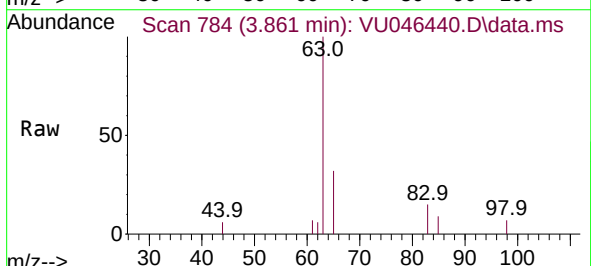
RT: 3.861 min Scan# 784

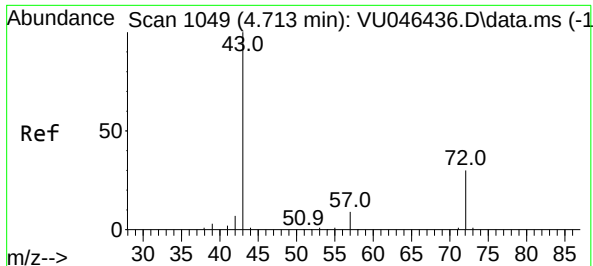
Delta R.T. -0.016 min

Lab File: VU046440.D

Acq: 16 Dec 2021 23:17

Tgt Ion:	63	Resp:	5125
Ion Ratio	Lower	Upper	
63	100		
65	31.9	22.8	42.4
83	14.8	9.6	17.8

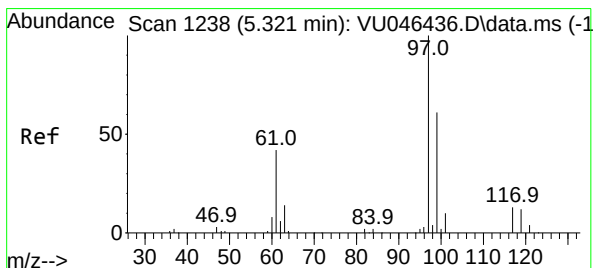
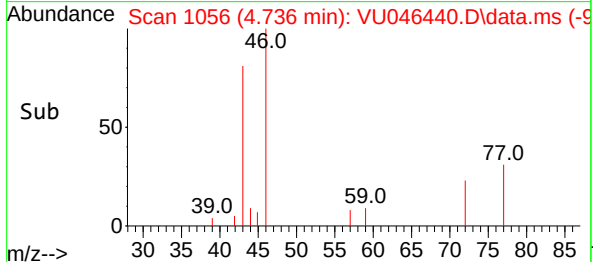
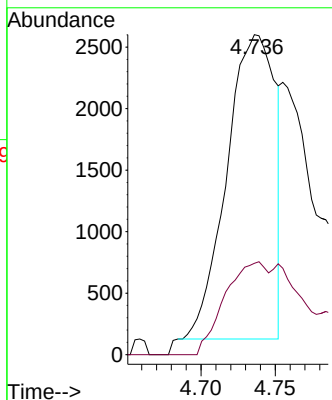
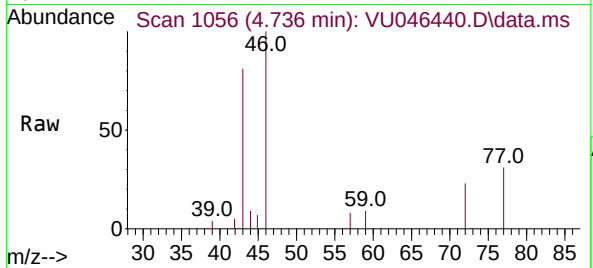




#22
2-Butanone
Concen: 4.100 ug/L
RT: 4.736 min Scan# 1056
Delta R.T. 0.023 min
Lab File: VU046440.D
Acq: 16 Dec 2021 23:17

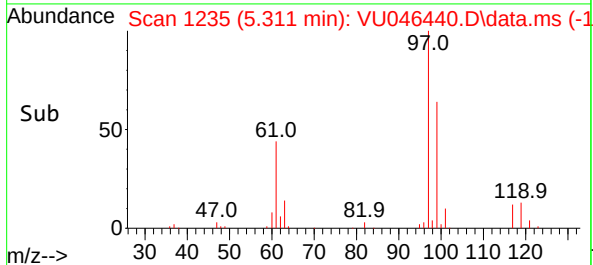
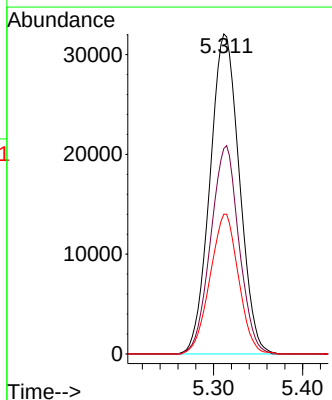
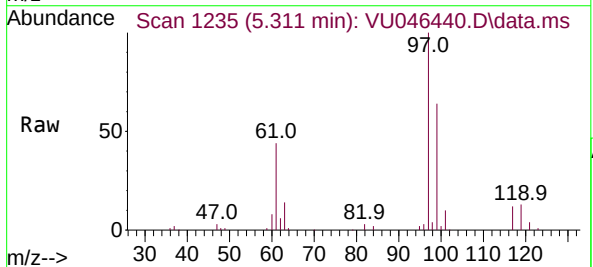
Instrument :
MSVOA_U
ClientSampleId :

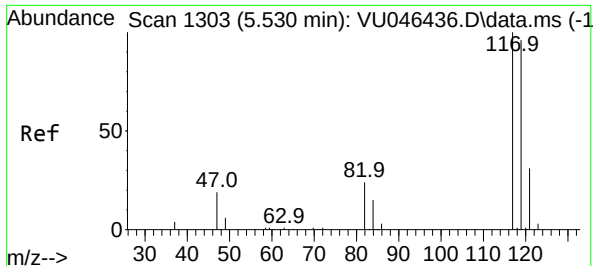
Tgt Ion: 43 Resp: 5578
Ion Ratio Lower Upper
43 100
72 27.0 14.5 43.6



#30
1,1,1-Trichloroethane
Concen: 37.484 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.009 min
Lab File: VU046440.D
Acq: 16 Dec 2021 23:17

Tgt Ion: 97 Resp: 73596
Ion Ratio Lower Upper
97 100
99 62.7 51.8 77.6
61 42.3 34.4 51.6

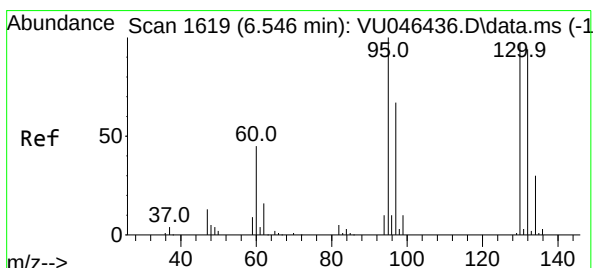
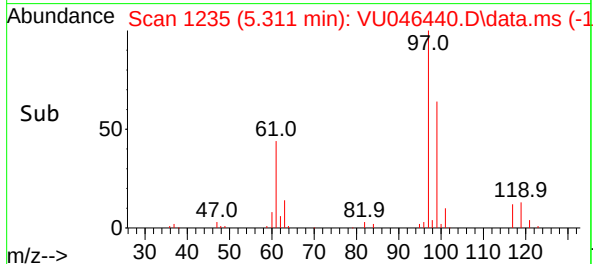
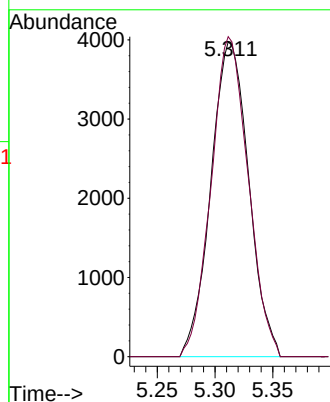
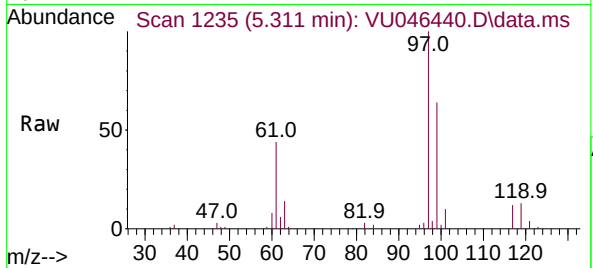




#31
Carbon tetrachloride
Concen: 5.437 ug/L
RT: 5.311 min Scan# 117
Delta R.T. -0.218 min
Lab File: VU046440.D
Acq: 16 Dec 2021 23:17

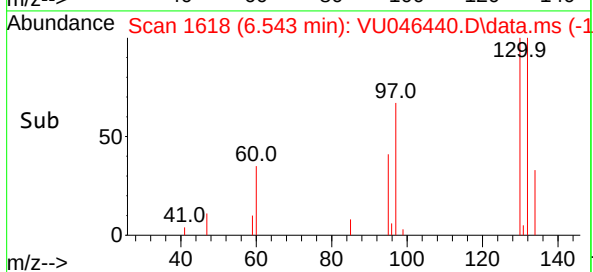
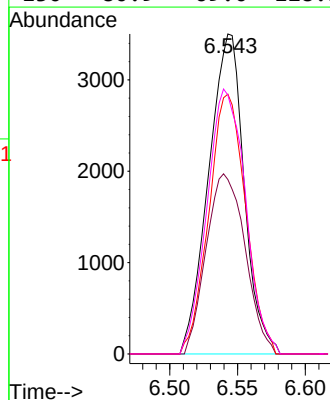
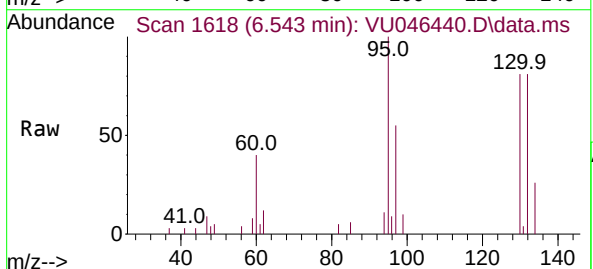
Instrument :
MSVOA_U
ClientSampleId :

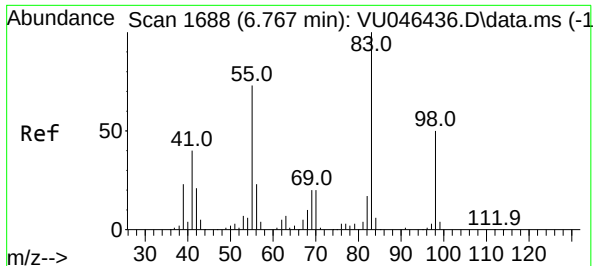
Tgt Ion:117 Resp: 9063
Ion Ratio Lower Upper
117 100
119 99.1 75.7 113.5



#34
Trichloroethene
Concen: 5.014 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046440.D
Acq: 16 Dec 2021 23:17

Tgt Ion: 95 Resp: 6394
Ion Ratio Lower Upper
95 100
97 54.5 44.1 81.9
132 81.2 66.8 124.0
130 80.9 69.0 128.1

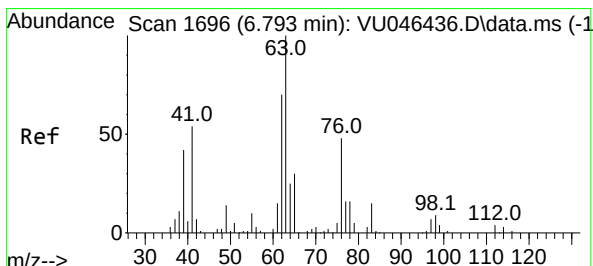
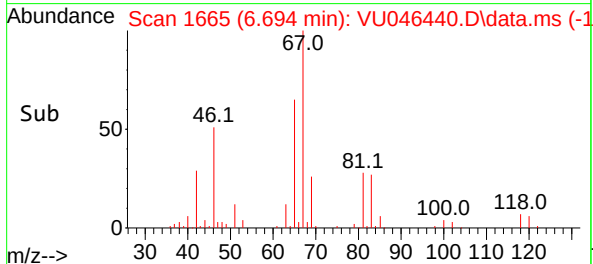
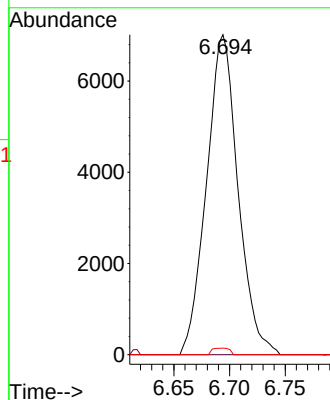
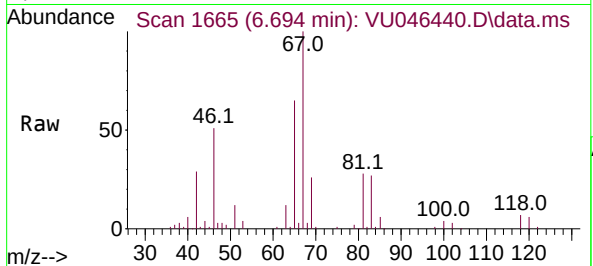




#35
Methylcyclohexane
Concen: 6.997 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.073 min
Lab File: VU046440.D
Acq: 16 Dec 2021 23:17

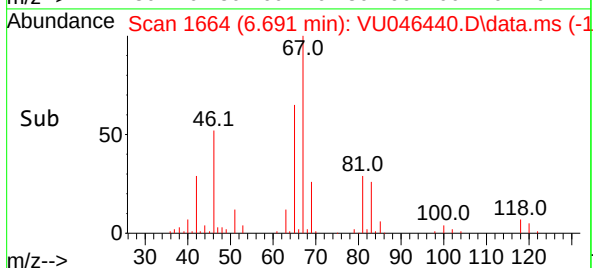
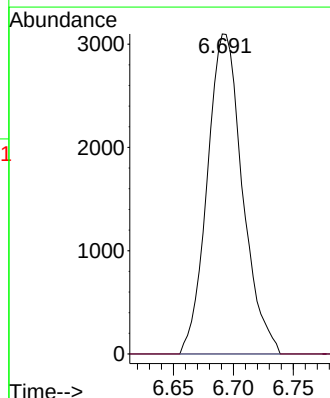
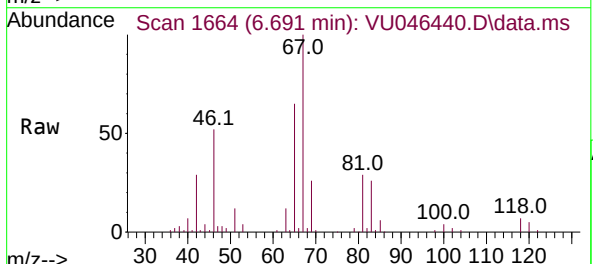
Instrument :
MSVOA_U
ClientSampleId :

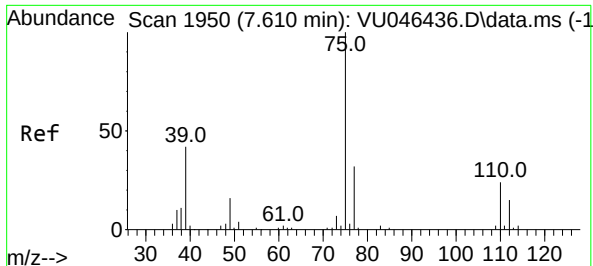
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.3	57.8	86.6#
98	1.1	38.4	57.6#



#37
1,2-Dichloropropane
Concen: 4.990 ug/L
RT: 6.691 min Scan# 1664
Delta R.T. -0.102 min
Lab File: VU046440.D
Acq: 16 Dec 2021 23:17

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





#39

cis-1,3-Dichloropropene

Concen: 0.873 ug/L

RT: 7.569 min Scan# 1950

Delta R.T. -0.041 min

Lab File: VU046440.D

Acq: 16 Dec 2021 23:17

Instrument :

MSVOA_U

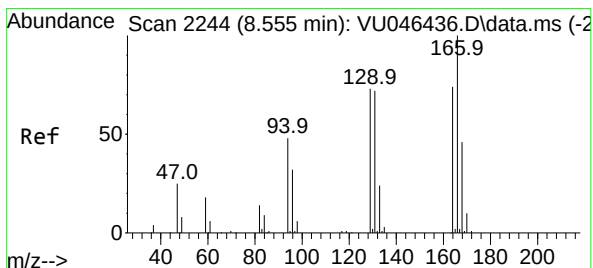
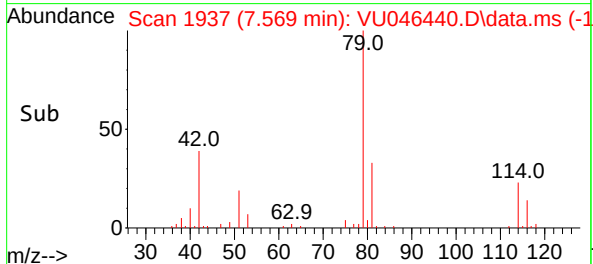
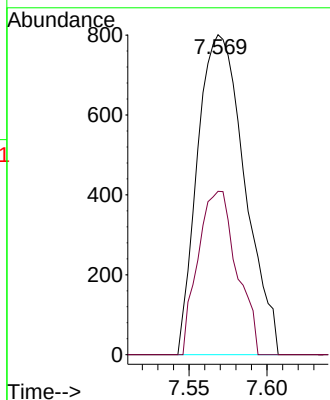
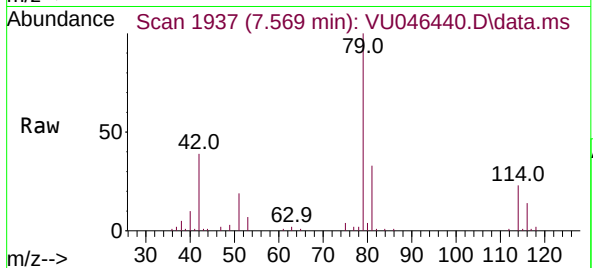
ClientSampleId :

Tgt Ion: 75 Resp: 1684

Ion Ratio Lower Upper

75 100

77 51.1 21.8 40.6#



#46

Tetrachloroethene

Concen: 53.931 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU046440.D

Acq: 16 Dec 2021 23:17

Tgt Ion:164 Resp: 50545

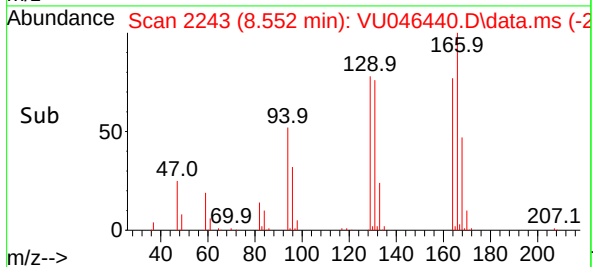
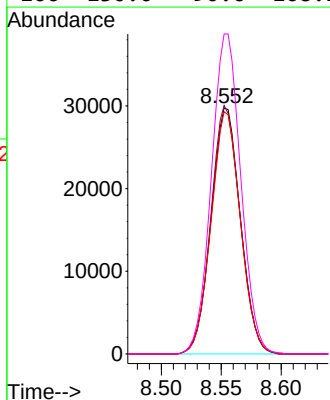
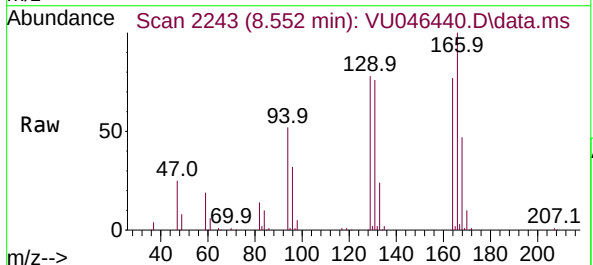
Ion Ratio Lower Upper

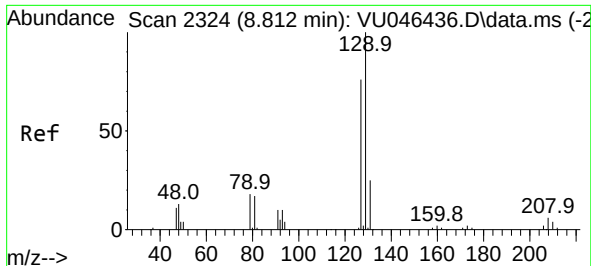
164 100

129 100.9 71.1 132.1

131 98.4 67.8 126.0

166 130.0 90.6 168.2

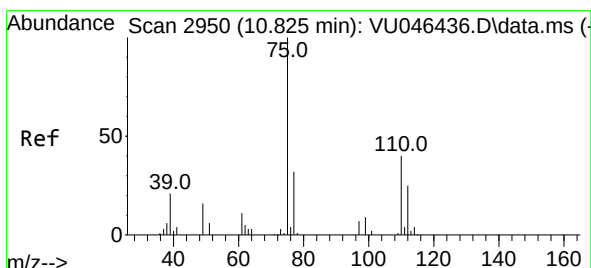
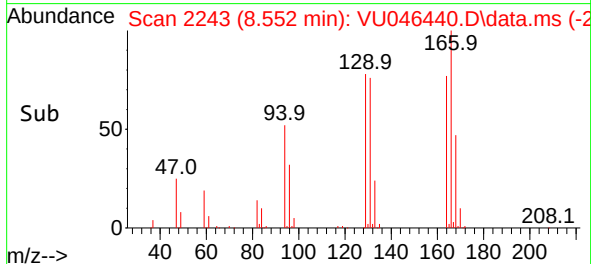
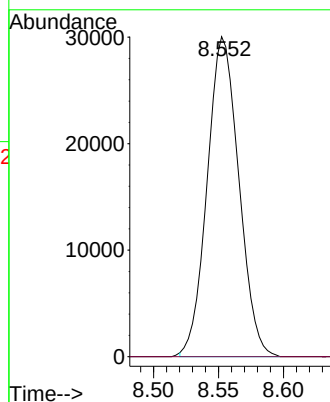
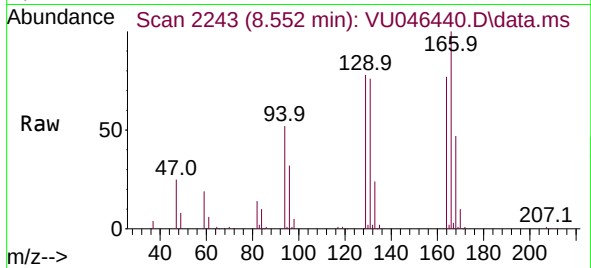




#49
Dibromochloromethane
Concen: 38.107 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU046440.D
Acq: 16 Dec 2021 23:17

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 50912
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.572 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.994 min
Lab File: VU046440.D
Acq: 16 Dec 2021 23:17

Tgt Ion: 75 Resp: 9435
Ion Ratio Lower Upper
75 100
77 33.0 26.4 39.6
110 2.7 32.4 48.6#

