

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046335.D
 Acq On : 13 Dec 2021 22:42
 Operator : SY/MD
 Sample : M5023-15ME
 Misc : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 14 03:55:33 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)

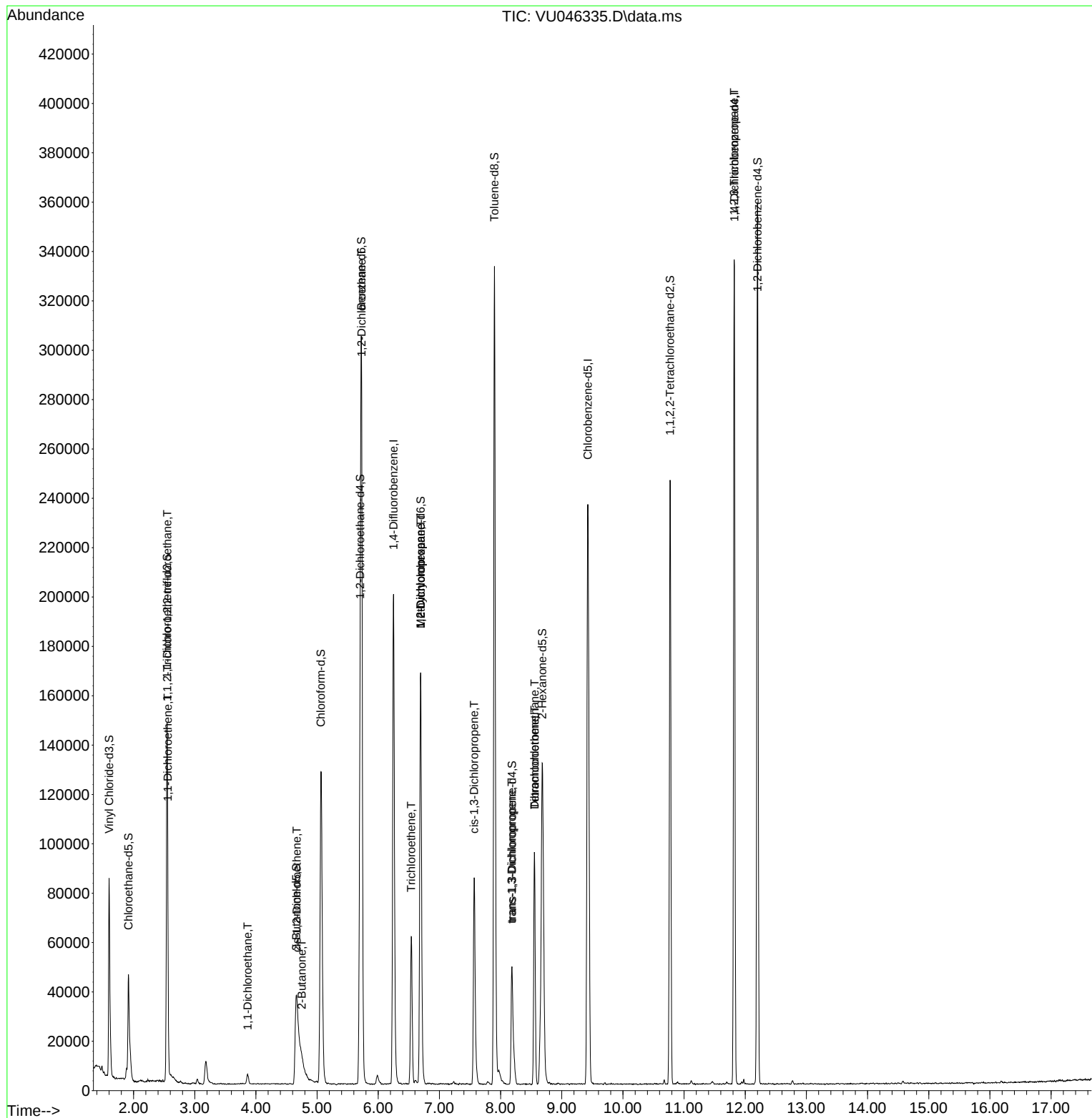
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	175760	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	183915	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	87619	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	73417	50.709	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 101.420%	
7) Chloroethane-d5	1.916	69	48002	43.182	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 86.360%	
11) 1,1-Dichloroethene-d2	2.549	63	89853	34.571	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	= 69.140%	
21) 2-Butanone-d5	4.661	46	107796	93.658	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	= 93.660%	
24) Chloroform-d	5.063	84	128848	53.292	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.580%	
26) 1,2-Dichloroethane-d4	5.703	65	91970	56.680	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 113.360%	
32) Benzene-d6	5.726	84	267927	50.827	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.660%	
36) 1,2-Dichloropropane-d6	6.694	67	84317	51.612	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 103.220%	
41) Toluene-d8	7.899	98	239153	49.829	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 99.660%	
43) trans-1,3-Dichloroprop...	8.185	79	40979	51.962	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 103.920%	
47) 2-Hexanone-d5	8.684	63	82059	105.939	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	= 105.940%	
56) 1,1,2,2-Tetrachloroeth...	10.771	84	126527	51.070	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	= 102.140%	
66) 1,2-Dichlorobenzene-d4	12.201	152	89157	52.837	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 105.680%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.552	101	792	0.619	ug/L #	21
12) 1,1-Dichloroethene	2.559	96	3355	2.761	ug/L #	1
19) 1,1-Dichloroethane	3.864	63	4804	2.054	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	1065	0.763	ug/L	92
22) 2-Butanone	4.748	43	4950	3.161	ug/L	92
27) 1,2-Dichloroethane	5.729	62	1542	0.800	ug/L #	73
34) Trichloroethene	6.539	95	20658	14.087	ug/L	97
35) Methylcyclohexane	6.694	83	20907	9.195	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	9406	6.451	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2616	1.179	ug/L #	71
44) trans-1,3-Dichloropropene	8.182	75	1700	0.780	ug/L	89
46) Tetrachloroethene	8.555	164	21238	19.708	ug/L	99
49) Dibromochloromethane	8.555	129	21080	13.722	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	10824	5.635	ug/L #	65

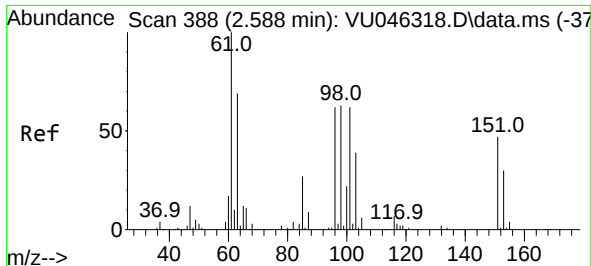
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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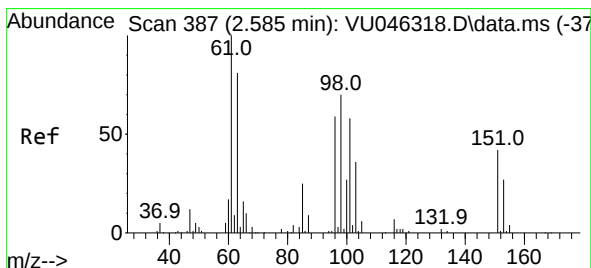
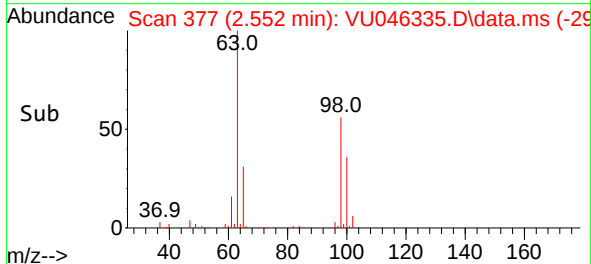
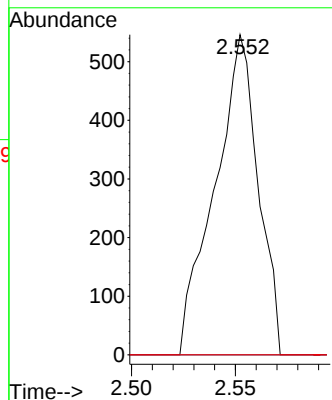
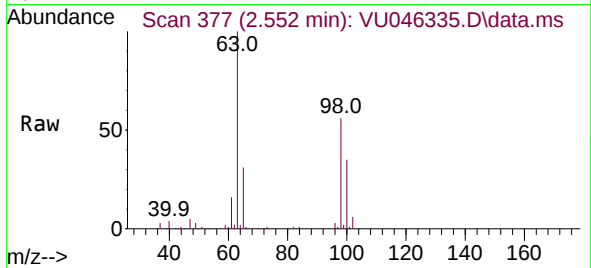




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.619 ug/L
RT: 2.552 min Scan# 310
Delta R.T. -0.036 min
Lab File: VU046335.D
Acq: 13 Dec 2021 22:42

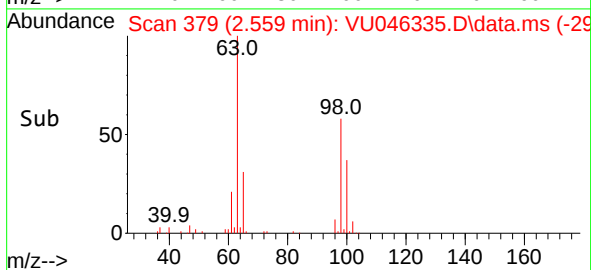
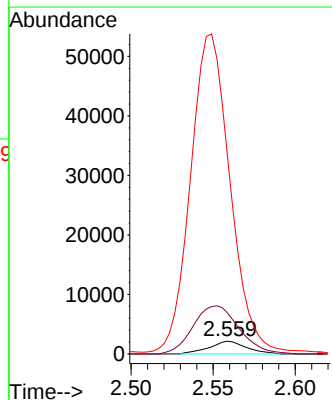
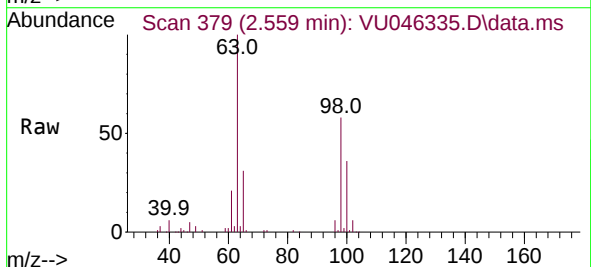
Instrument :
MSVOA_U
ClientSampleId :

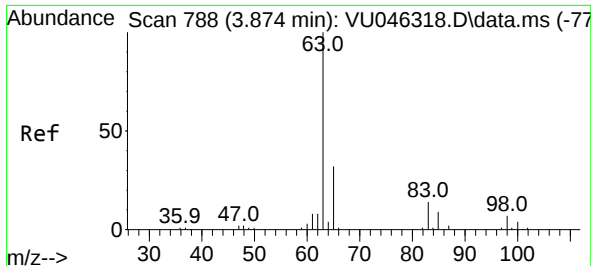
Tgt Ion:101 Resp: 792
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 2.761 ug/L
RT: 2.559 min Scan# 379
Delta R.T. -0.026 min
Lab File: VU046335.D
Acq: 13 Dec 2021 22:42

Tgt Ion: 96 Resp: 3355
Ion Ratio Lower Upper
96 100
61 322.0 118.6 220.2#
63 1552.7 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 2.054 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.010 min

Lab File: VU046335.D

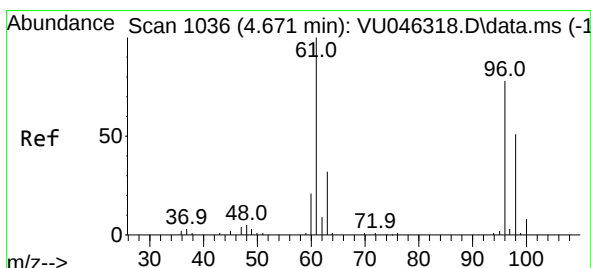
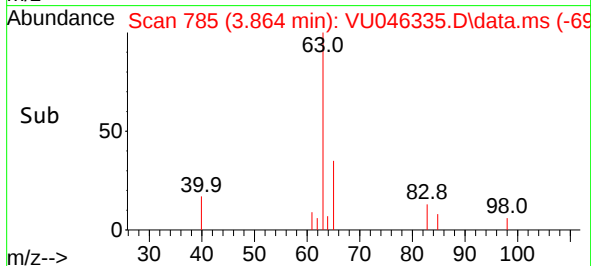
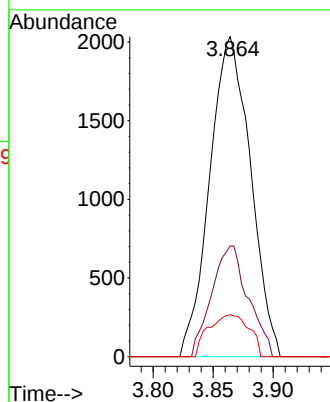
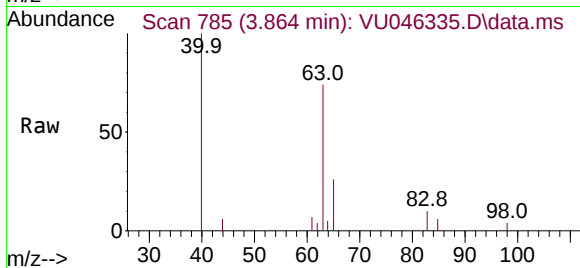
Acq: 13 Dec 2021 22:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 4804		
Ion Ratio	Lower	Upper	
63	100		
65	34.6	22.8	42.4
83	13.1	9.6	17.8



#20

cis-1,2-Dichloroethene

Concen: 0.763 ug/L

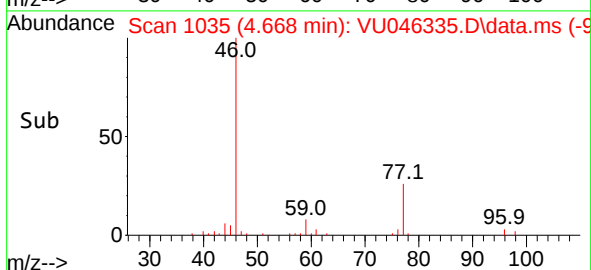
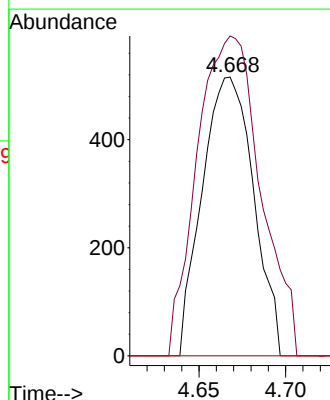
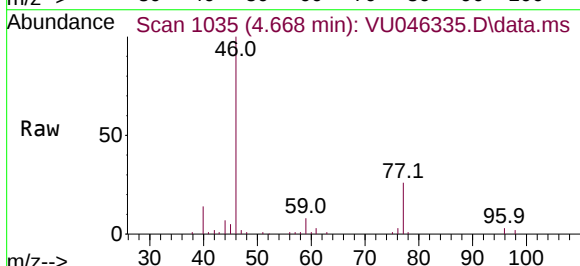
RT: 4.668 min Scan# 1035

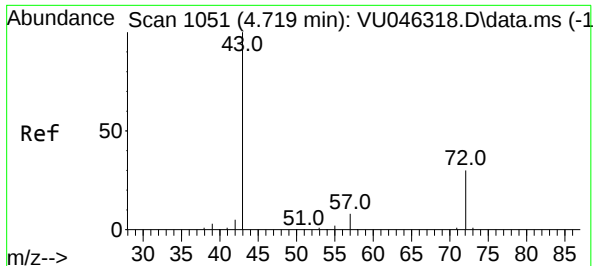
Delta R.T. -0.003 min

Lab File: VU046335.D

Acq: 13 Dec 2021 22:42

Tgt Ion: 96	Resp: 1065		
Ion Ratio	Lower	Upper	
96	100		
61	114.7	86.8	161.2
68	0.0	0.0	0.0

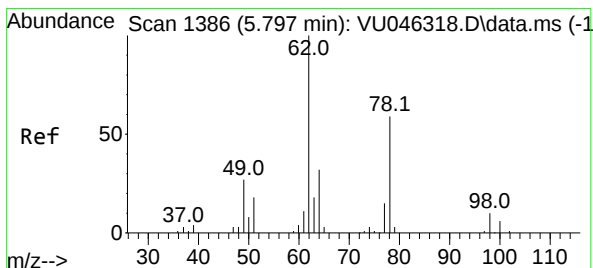
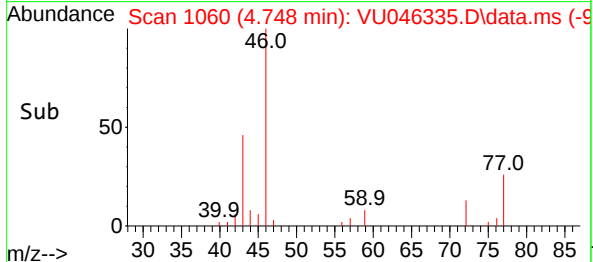
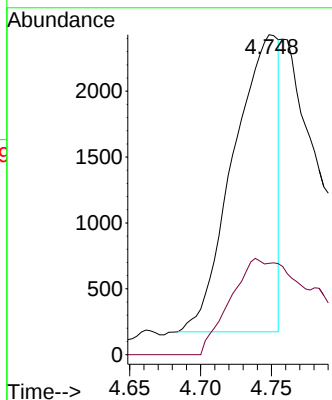
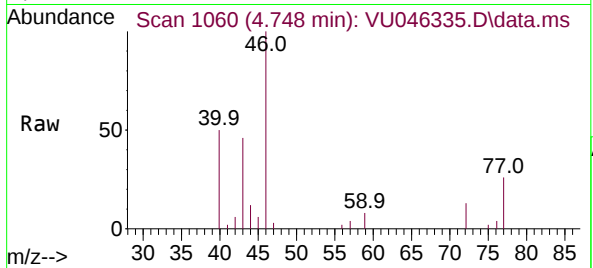




#22
2-Butanone
Concen: 3.161 ug/L
RT: 4.748 min Scan# 1060
Delta R.T. 0.029 min
Lab File: VU046335.D
Acq: 13 Dec 2021 22:42

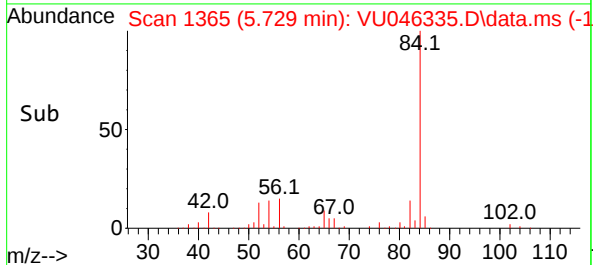
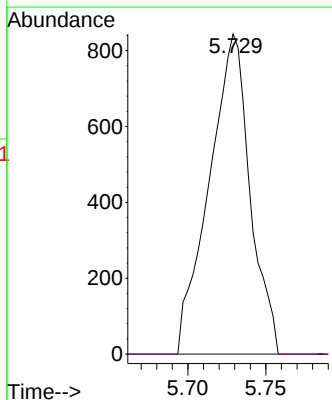
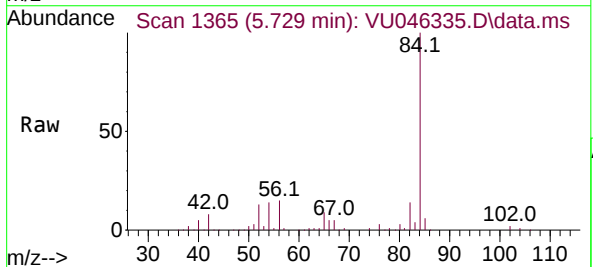
Instrument :
MSVOA_U
ClientSampleId :

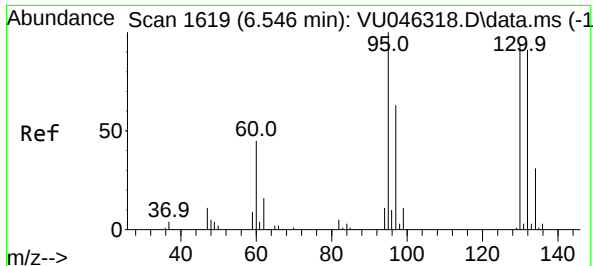
Tgt Ion: 43 Resp: 4950
Ion Ratio Lower Upper
43 100
72 25.1 14.5 43.6



#27
1,2-Dichloroethane
Concen: 0.800 ug/L
RT: 5.729 min Scan# 1365
Delta R.T. -0.068 min
Lab File: VU046335.D
Acq: 13 Dec 2021 22:42

Tgt Ion: 62 Resp: 1542
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



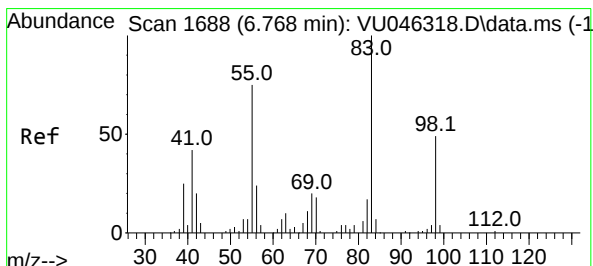
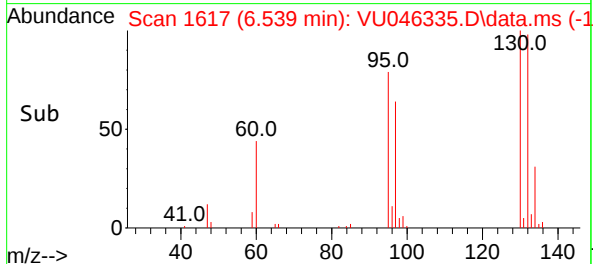
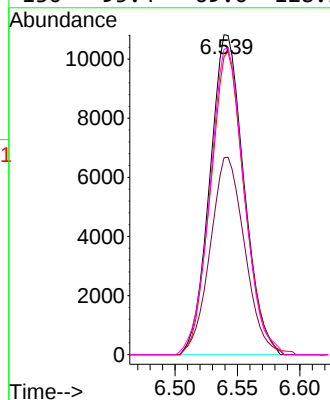
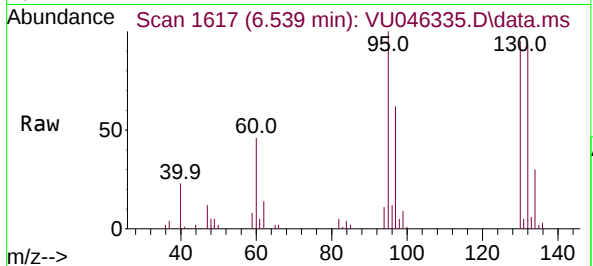


#34
Trichloroethene
Concen: 14.087 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.007 min
Lab File: VU046335.D
Acq: 13 Dec 2021 22:42

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 20658

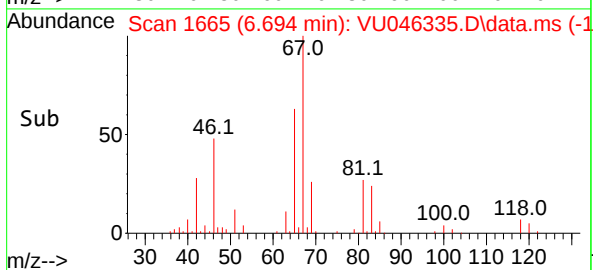
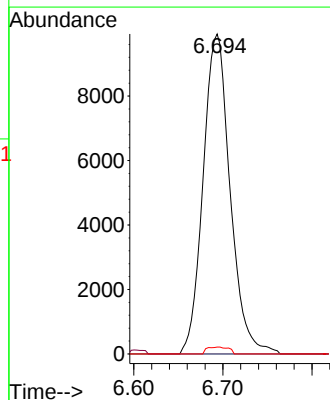
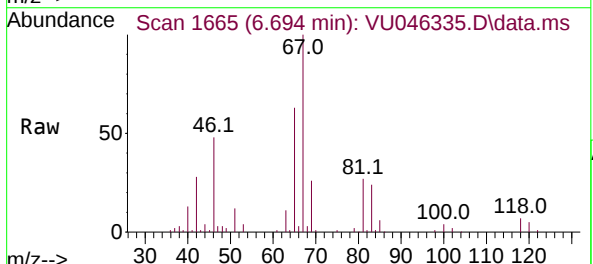
Ion	Ratio	Lower	Upper
95	100		
97	61.5	44.1	81.9
132	93.1	66.8	124.0
130	95.4	69.0	128.1

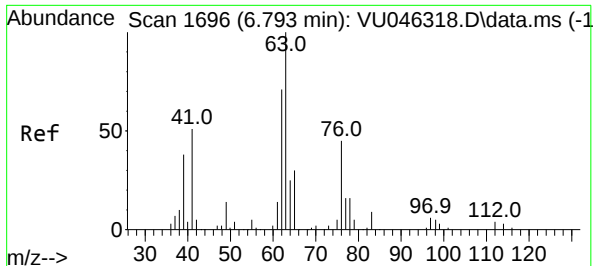


#35
Methylcyclohexane
Concen: 9.195 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046335.D
Acq: 13 Dec 2021 22:42

Tgt Ion: 83 Resp: 20907

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: 6.451 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046335.D

Acq: 13 Dec 2021 22:42

Instrument :

MSVOA_U

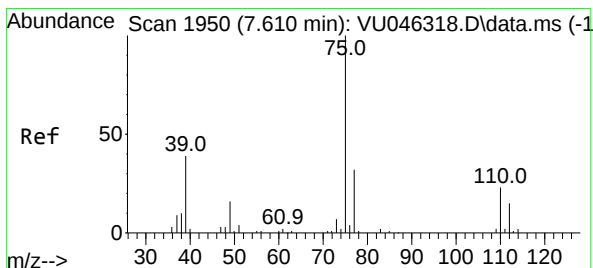
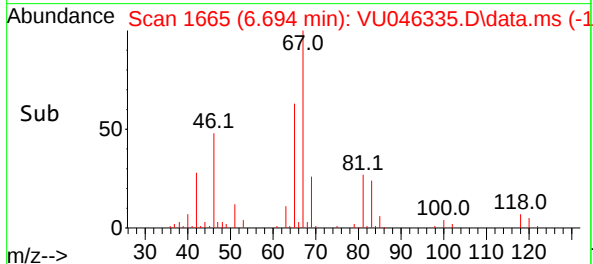
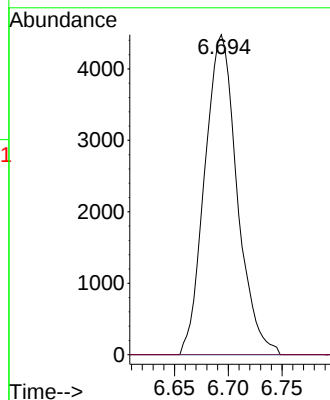
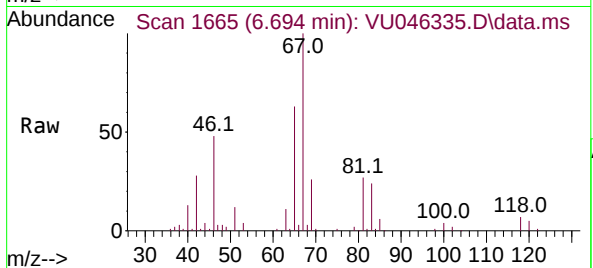
ClientSampleId :

Tgt Ion: 63 Resp: 9406

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.179 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046335.D

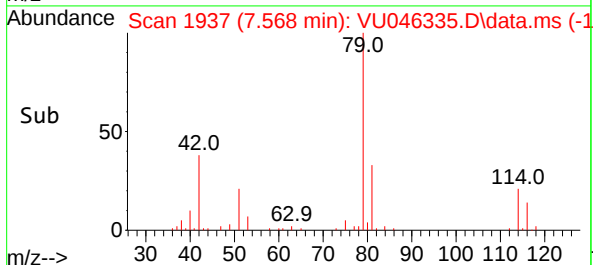
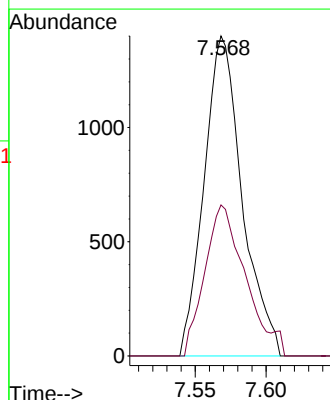
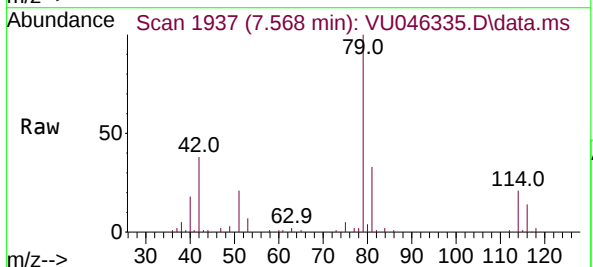
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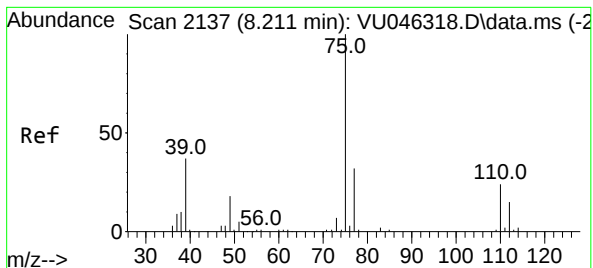
Tgt Ion: 75 Resp: 2616

Ion Ratio Lower Upper

75 100

77 47.2 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.780 ug/L

RT: 8.182 min Scan# 2137

Delta R.T. -0.029 min

Lab File: VU046335.D

Acq: 13 Dec 2021 22:42

Instrument :

MSVOA_U

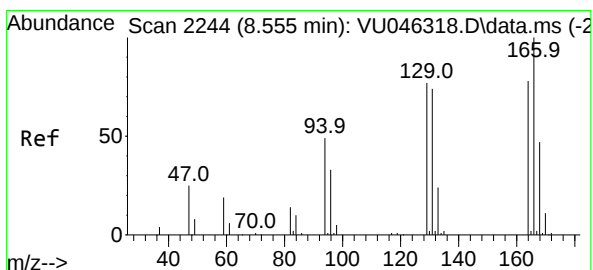
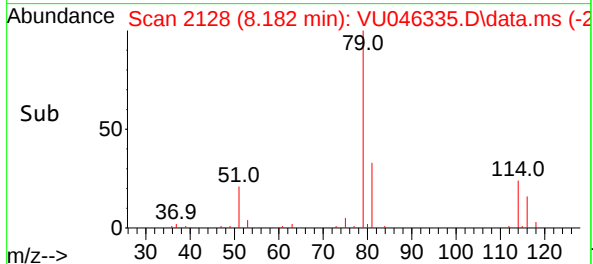
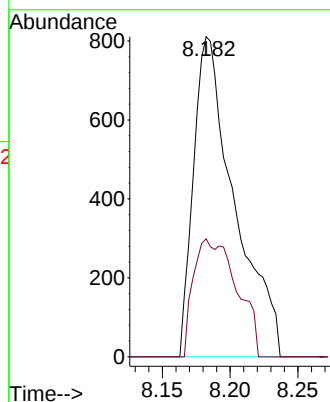
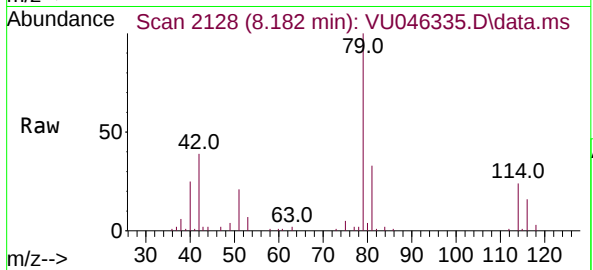
ClientSampleId :

Tgt Ion: 75 Resp: 1700

Ion Ratio Lower Upper

75 100

77 36.9 21.7 40.3



#46

Tetrachloroethene

Concen: 19.708 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046335.D

Acq: 13 Dec 2021 22:42

Tgt Ion: 164 Resp: 21238

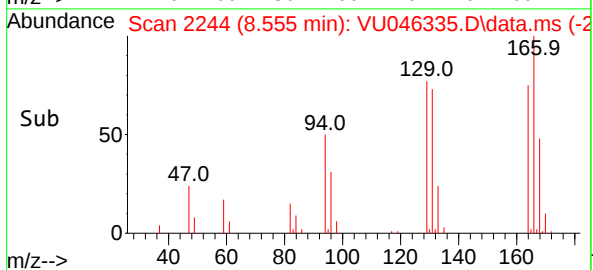
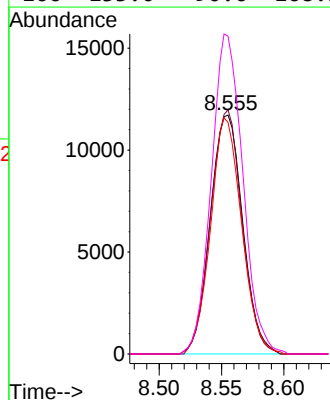
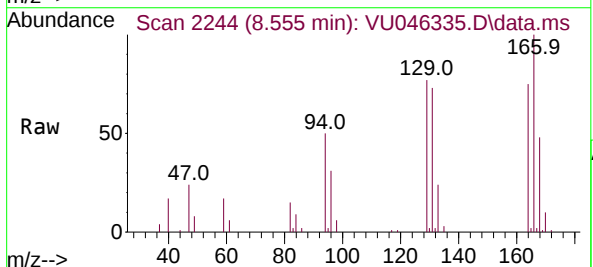
Ion Ratio Lower Upper

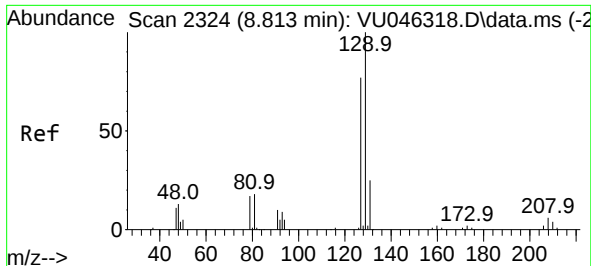
164 100

129 102.1 71.1 132.1

131 96.9 67.8 126.0

166 133.0 90.6 168.2





#49

Dibromochloromethane

Concen: 13.722 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046335.D

Acq: 13 Dec 2021 22:42

Instrument :

MSVOA_U

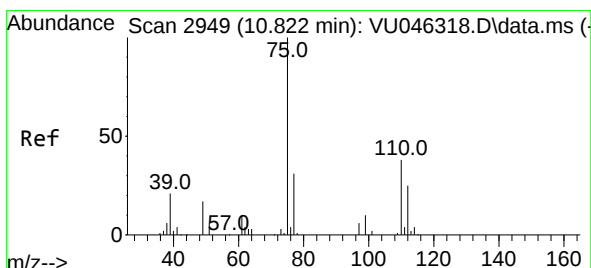
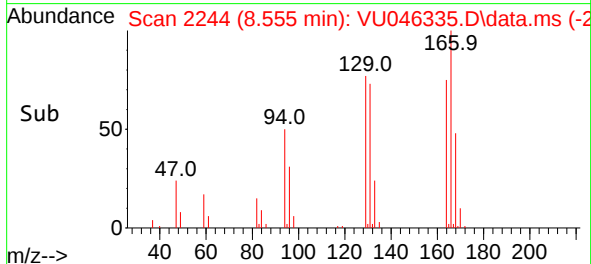
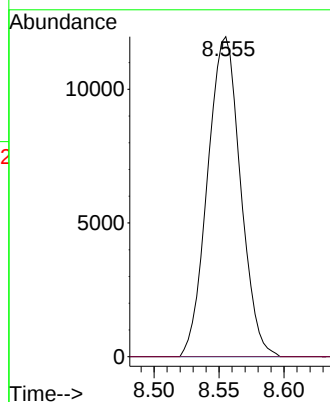
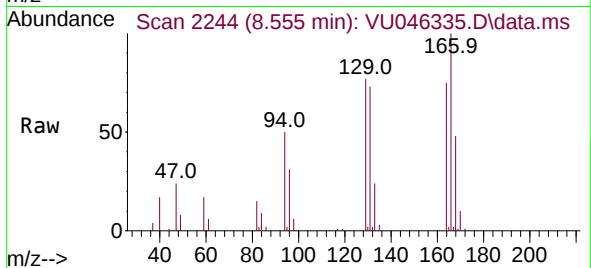
ClientSampleId :

Tgt Ion:129 Resp: 21080

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.635 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.997 min

Lab File: VU046335.D

Acq: 13 Dec 2021 22:42

Tgt Ion: 75 Resp: 10824

Ion Ratio Lower Upper

75 100

77 31.5 26.4 39.6

110 2.1 32.4 48.6#

