

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046398.D
 Acq On : 15 Dec 2021 15:48
 Operator : SY/MD
 Sample : M5023-20ME
 Misc : 6.26g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:10:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

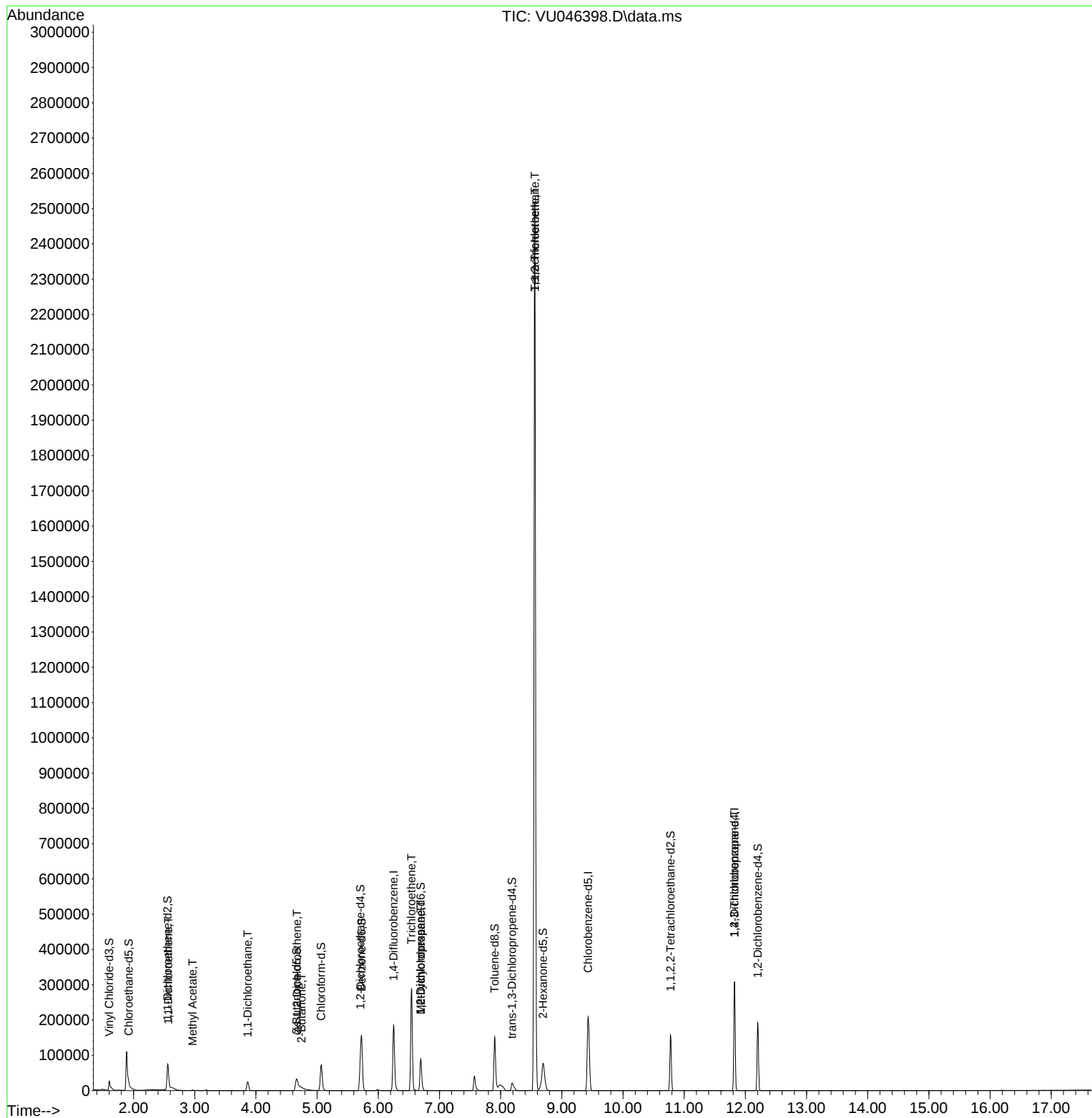
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	162291	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	170563	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	79377	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	33163	24.806	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	49.620%#		
7) Chloroethane-d5	1.919	69	20626	20.095	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	40.180%#		
11) 1,1-Dichloroethene-d2	2.555	63	42225	17.594	ug/L	-0.02
Spiked Amount 50.000	Range 60 - 125		Recovery =	35.180%#		
21) 2-Butanone-d5	4.662	46	68743	64.684	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	64.680%		
24) Chloroform-d	5.067	84	73132	32.758	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	65.520%#		
26) 1,2-Dichloroethane-d4	5.706	65	51113	34.115	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	68.220%#		
32) Benzene-d6	5.726	84	134909	27.596	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	55.200%#		
36) 1,2-Dichloropropane-d6	6.694	67	45394	29.962	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	59.920%#		
41) Toluene-d8	7.903	98	114087	25.631	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	51.260%#		
43) trans-1,3-Dichloroprop...	8.185	79	23014	31.467	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.940%		
47) 2-Hexanone-d5	8.693	63	60609	84.372	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.370%		
56) 1,1,2,2-Tetrachloroeth...	10.777	84	81712	35.563	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery =	71.120%		
66) 1,2-Dichlorobenzene-d4	12.201	152	51135	33.451	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	66.900%#		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.568	96	11741	10.463	ug/L #	59
15) Methyl Acetate	2.964	43	2603	1.681	ug/L	90
19) 1,1-Dichloroethane	3.864	63	30139	13.958	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	6187	4.802	ug/L	95
22) 2-Butanone	4.745	43	5461	3.777	ug/L	91
34) Trichloroethene	6.542	95	101352	74.525	ug/L	97
35) Methylcyclohexane	6.694	83	11200	5.311	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	4996	3.694	ug/L #	86
45) 1,1,2-Trichloroethane	8.558	97	5442	4.011	ug/L #	2
46) Tetrachloroethene	8.558	164	559755	560.086	ug/L	99
60) 1,2,3-Trichloropropane	11.822	75	10019	5.758	ug/L #	66

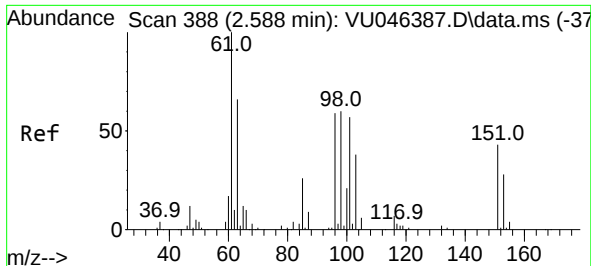
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 10.463 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.019 min

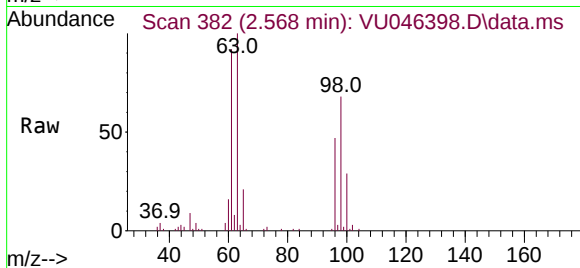
Lab File: VU046398.D

Acq: 15 Dec 2021 15:48

Instrument :

MSVOA_U

ClientSampleId :



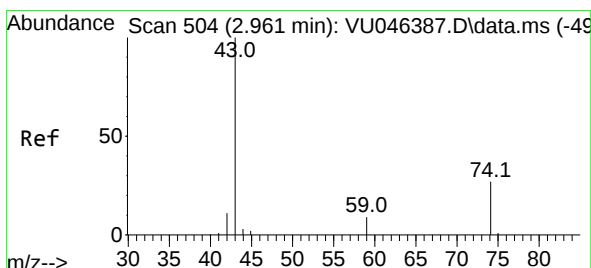
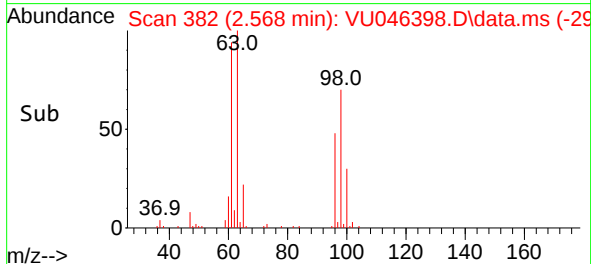
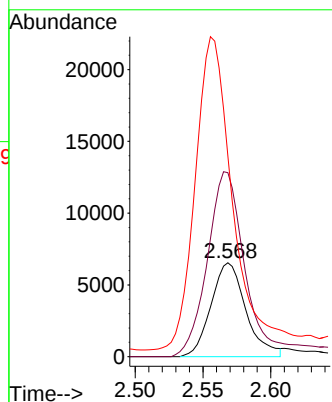
Tgt Ion: 96 Resp: 11741

Ion Ratio Lower Upper

96 100

61 195.9 118.6 220.2

63 213.4 93.0 172.8#



#15

Methyl Acetate

Concen: 1.681 ug/L

RT: 2.964 min Scan# 505

Delta R.T. 0.003 min

Lab File: VU046398.D

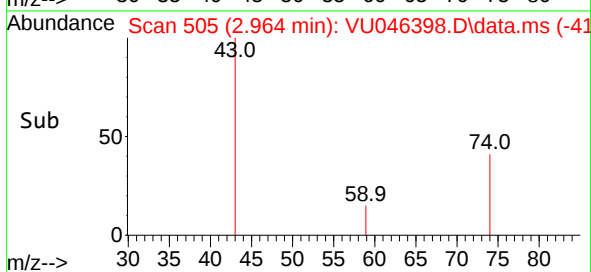
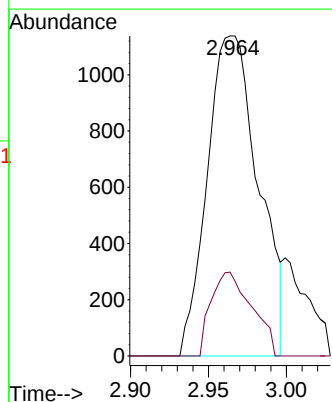
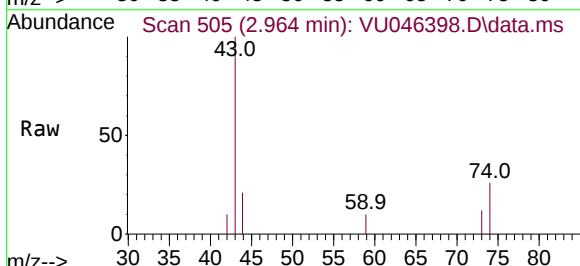
Acq: 15 Dec 2021 15:48

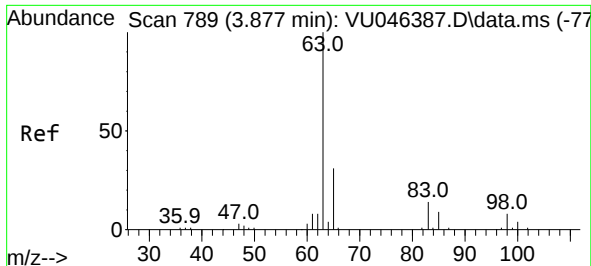
Tgt Ion: 43 Resp: 2603

Ion Ratio Lower Upper

43 100

74 20.9 20.8 31.2





#19

1,1-Dichloroethane

Concen: 13.958 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.013 min

Lab File: VU046398.D

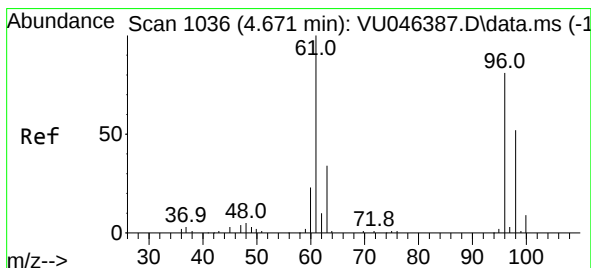
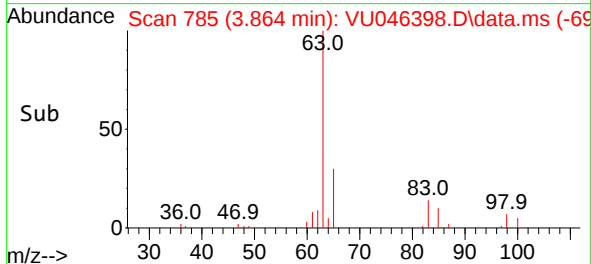
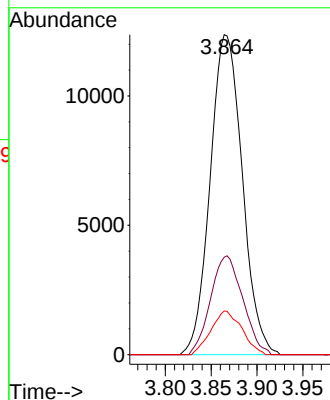
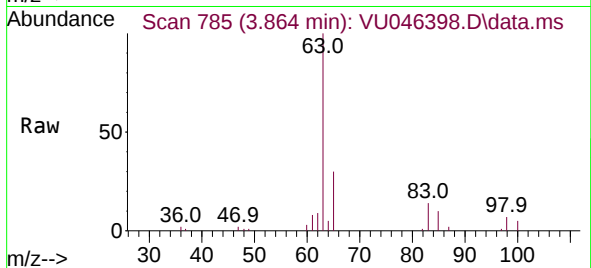
Acq: 15 Dec 2021 15:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 30139
Ion Ratio	Lower Upper
63 100	
65 30.4	22.8 42.4
83 13.7	9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 4.802 ug/L

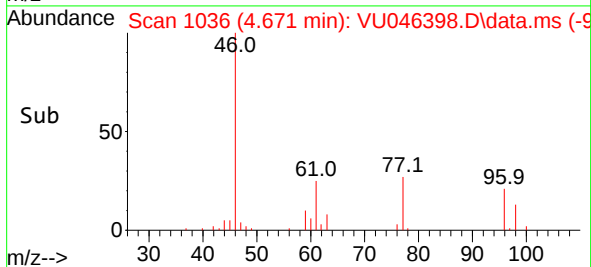
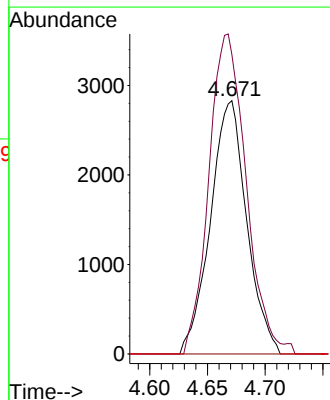
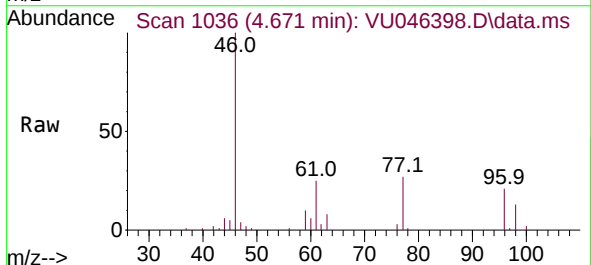
RT: 4.671 min Scan# 1036

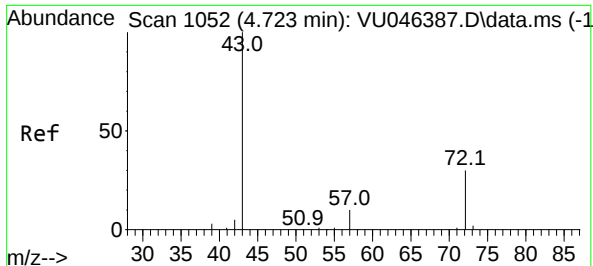
Delta R.T. -0.000 min

Lab File: VU046398.D

Acq: 15 Dec 2021 15:48

Tgt Ion: 96	Resp: 6187
Ion Ratio	Lower Upper
96 100	
61 118.2	86.8 161.2
68 0.0	0.0 0.0

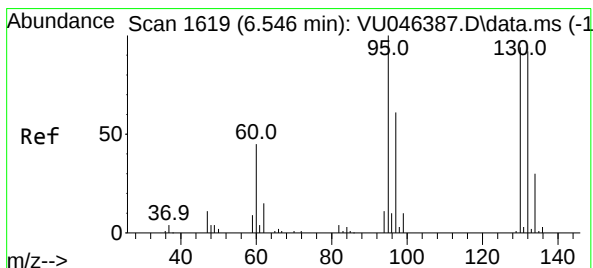
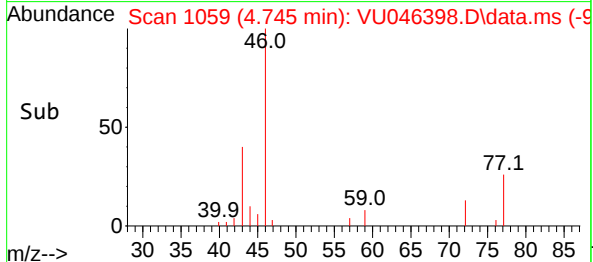
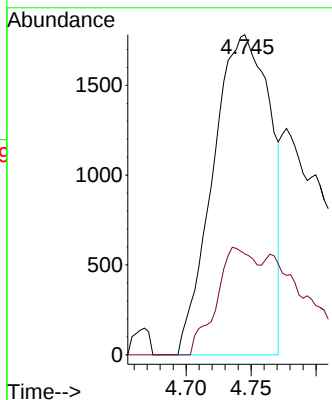
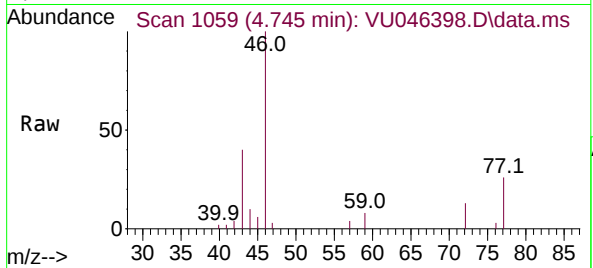




#22
2-Butanone
Concen: 3.777 ug/L
RT: 4.745 min Scan# 1059
Delta R.T. 0.022 min
Lab File: VU046398.D
Acq: 15 Dec 2021 15:48

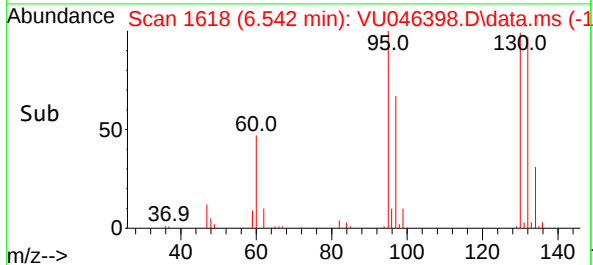
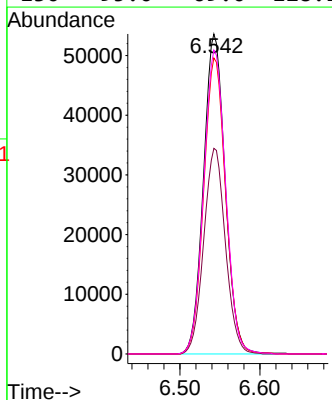
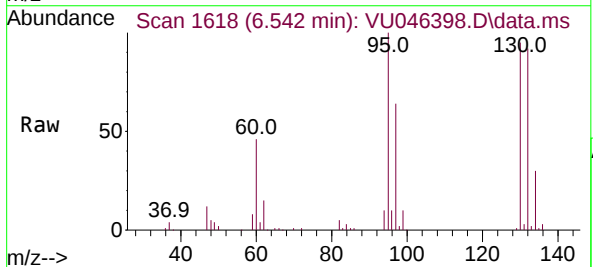
Instrument :
MSVOA_U
ClientSampleId :

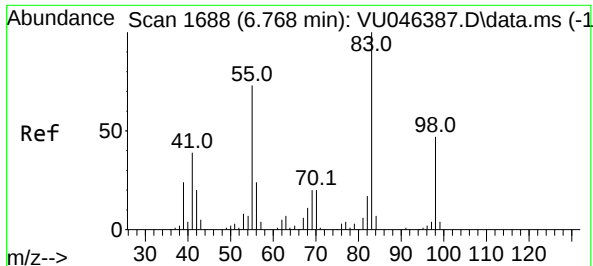
Tgt Ion: 43 Resp: 5461
Ion Ratio Lower Upper
43 100
72 24.1 14.5 43.6



#34
Trichloroethene
Concen: 74.525 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046398.D
Acq: 15 Dec 2021 15:48

Tgt Ion: 95 Resp: 101352
Ion Ratio Lower Upper
95 100
97 64.2 44.1 81.9
132 92.5 66.8 124.0
130 95.0 69.0 128.1

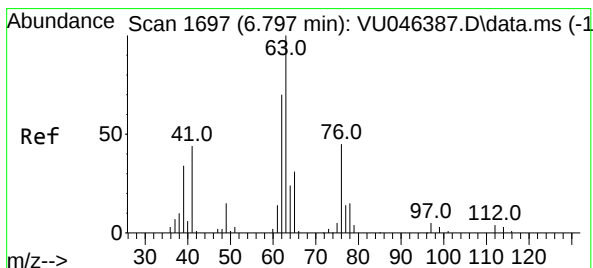
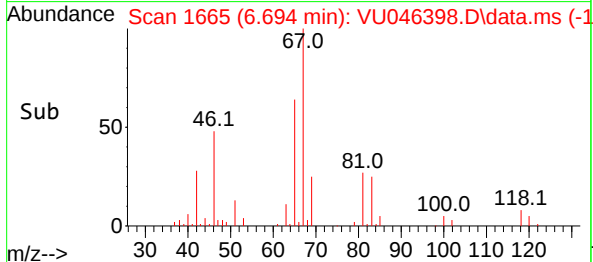
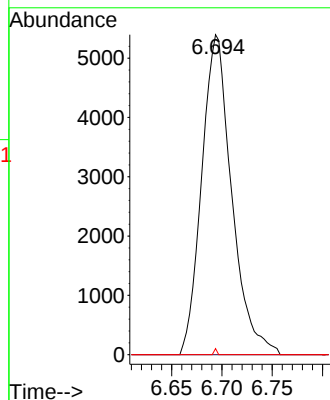
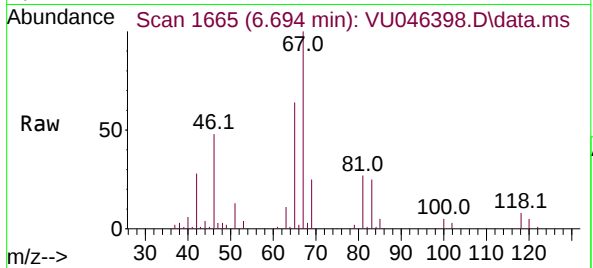




#35
Methylcyclohexane
Concen: 5.311 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046398.D
Acq: 15 Dec 2021 15:48

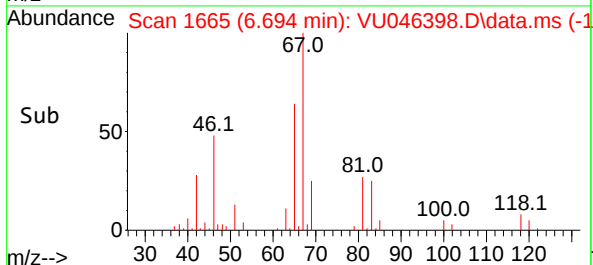
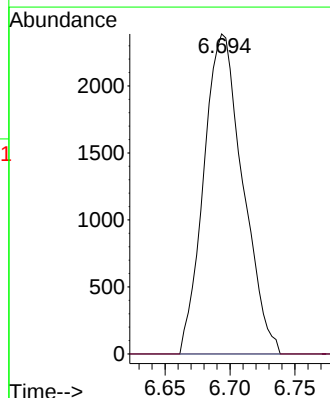
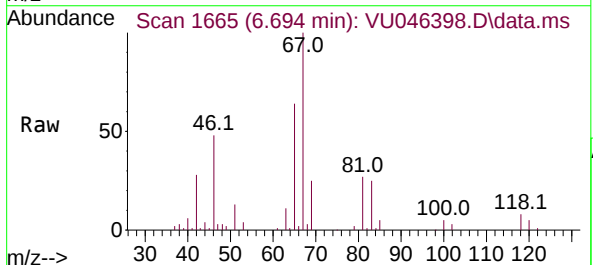
Instrument :
MSVOA_U
ClientSampleId :

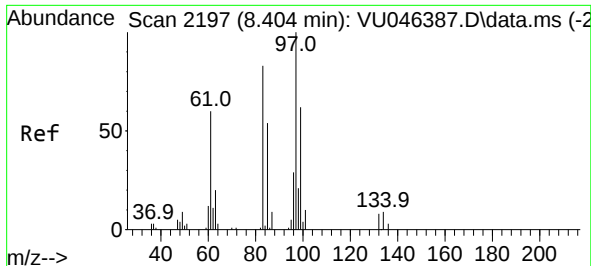
Tgt Ion: 83 Resp: 11200
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.0 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 3.694 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU046398.D
Acq: 15 Dec 2021 15:48

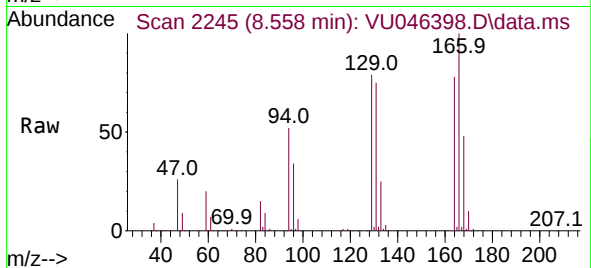
Tgt Ion: 63 Resp: 4996
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



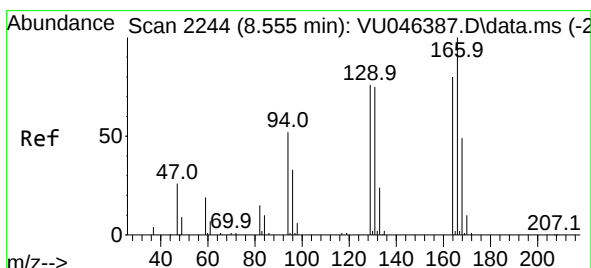
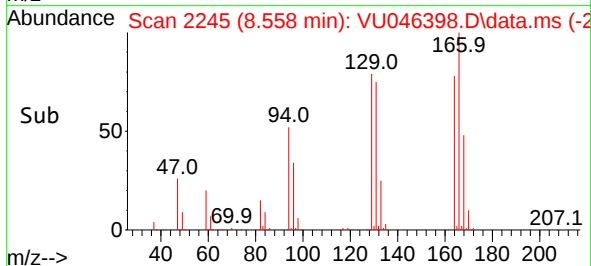
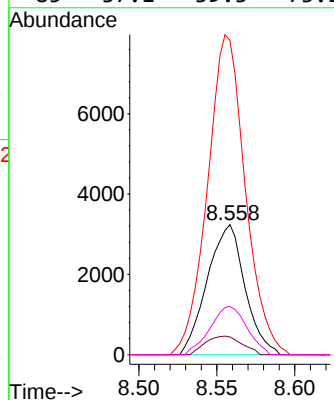


#45
1,1,2-Trichloroethane
Concen: 4.011 ug/L
RT: 8.558 min Scan# 2197
Delta R.T. 0.154 min
Lab File: VU046398.D
Acq: 15 Dec 2021 15:48

Instrument :
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ClientSampleId :

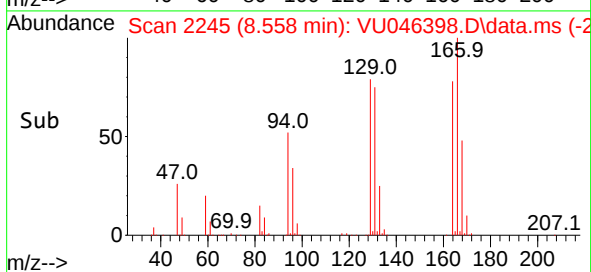
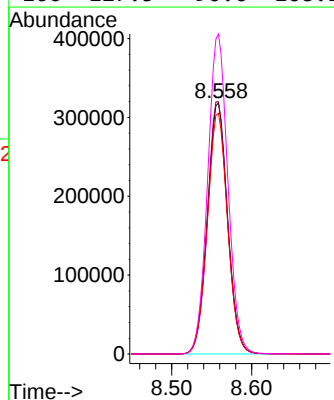
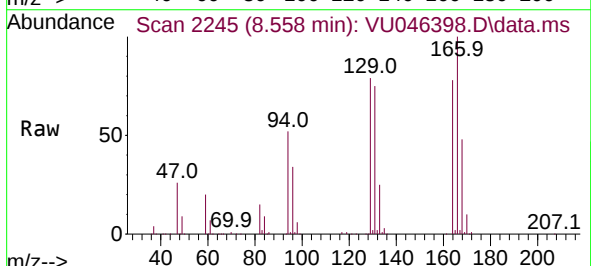


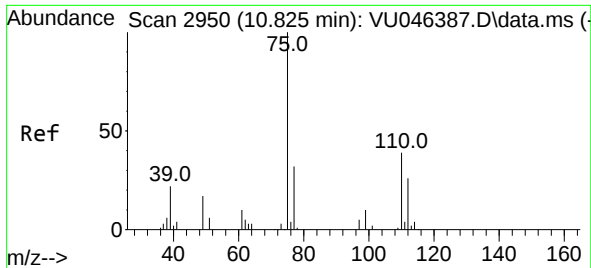
Tgt Ion: 97	Resp: 5442
Ion Ratio	Lower Upper
97	100
99	13.6 44.7 82.9#
83	241.6 60.2 111.8#
85	37.1 39.3 73.1#



#46
Tetrachloroethene
Concen: 560.086 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU046398.D
Acq: 15 Dec 2021 15:48

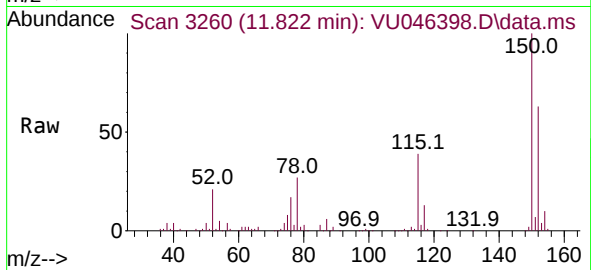
Tgt Ion: 164	Resp: 559755
Ion Ratio	Lower Upper
164	100
129	100.4 71.1 132.1
131	95.9 67.8 126.0
166	127.5 90.6 168.2





#60
 1,2,3-Trichloropropane
 Concen: 5.758 ug/L
 RT: 11.822 min Scan# 31
 Delta R.T. 0.997 min
 Lab File: VU046398.D
 Acq: 15 Dec 2021 15:48

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 10019
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.4 39.6
 110 2.1 32.4 48.6#

