

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046333.D
 Acq On : 13 Dec 2021 21:57
 Operator : SY/MD
 Sample : M5023-07ME
 Misc : 7.33g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 14 03:55:12 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)

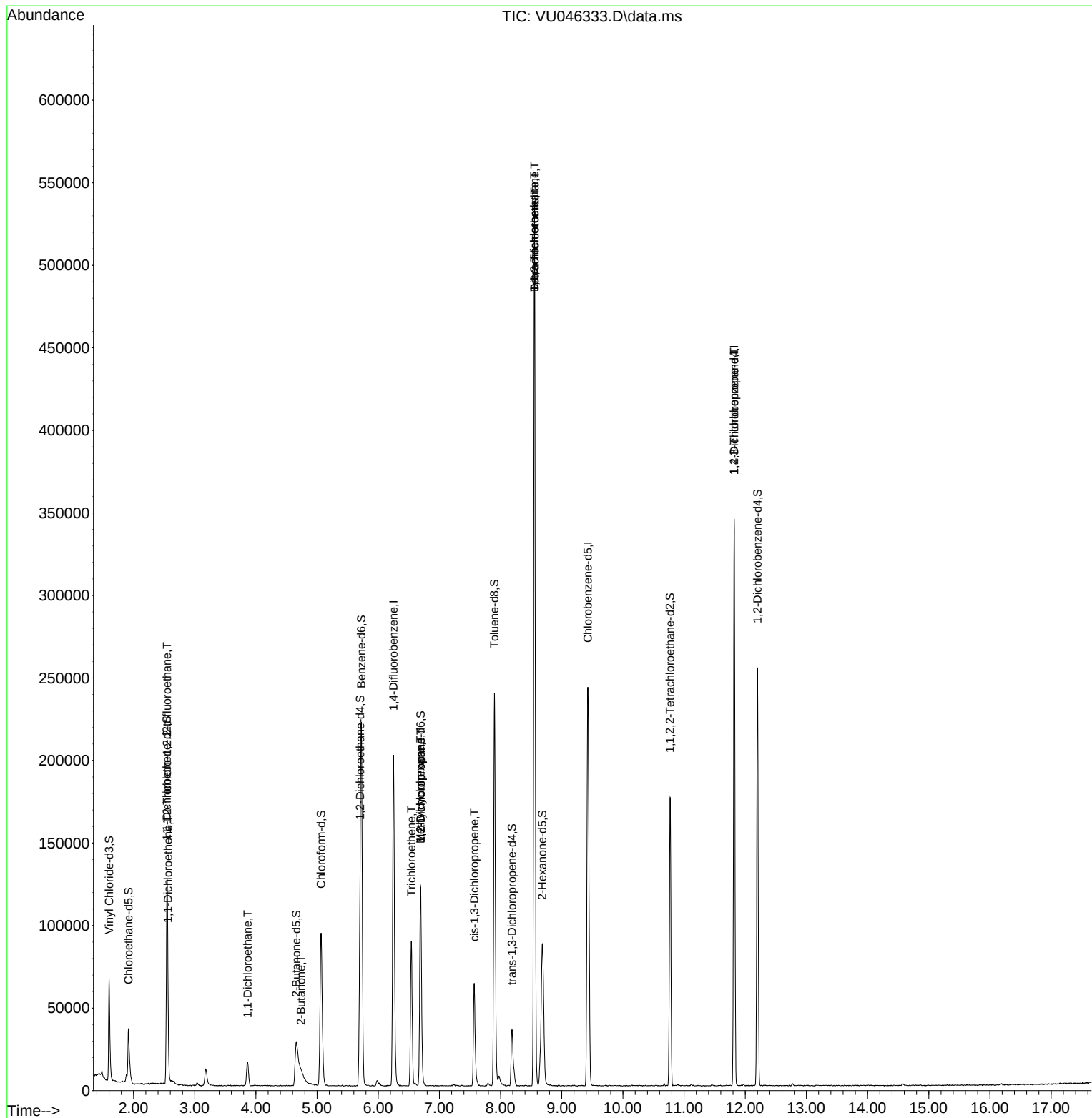
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	176634	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	182360	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	87489	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	55068	37.847	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.700%		
7) Chloroethane-d5	1.916	69	35409	31.696	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	63.400%#		
11) 1,1-Dichloroethene-d2	2.546	63	72633	27.807	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	55.620%#		
21) 2-Butanone-d5	4.661	46	76386	66.040	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	66.040%		
24) Chloroform-d	5.067	84	93309	38.402	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.800%		
26) 1,2-Dichloroethane-d4	5.703	65	66674	40.887	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.780%		
32) Benzene-d6	5.726	84	196228	37.543	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.080%		
36) 1,2-Dichloropropane-d6	6.694	67	61703	38.091	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	76.180%		
41) Toluene-d8	7.899	98	172911	36.334	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	72.660%#		
43) trans-1,3-Dichloroprop...	8.185	79	30269	38.709	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.420%		
47) 2-Hexanone-d5	8.681	63	56999	74.214	ug/L	0.04
Spiked Amount 100.000	Range 45 - 130		Recovery =	74.210%		
56) 1,1,2,2-Tetrachloroeth...	10.771	84	91228	37.136	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery =	74.280%		
66) 1,2-Dichlorobenzene-d4	12.201	152	64794	38.456	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	76.920%#		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.549	101	580	0.451	ug/L #	21
12) 1,1-Dichloroethene	2.562	96	10612	8.689	ug/L #	23
19) 1,1-Dichloroethane	3.864	63	17752	7.554	ug/L	99
22) 2-Butanone	4.739	43	4115	2.615	ug/L #	63
34) Trichloroethene	6.542	95	30332	20.861	ug/L	98
35) Methylcyclohexane	6.690	83	15723	6.974	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6711	4.642	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1700	0.773	ug/L #	62
45) 1,1,2-Trichloroethane	8.552	97	972	0.670	ug/L #	1
46) Tetrachloroethene	8.555	164	119030	111.396	ug/L	98
49) Dibromochloromethane	8.555	129	116660	76.587	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	10767	5.614	ug/L #	65

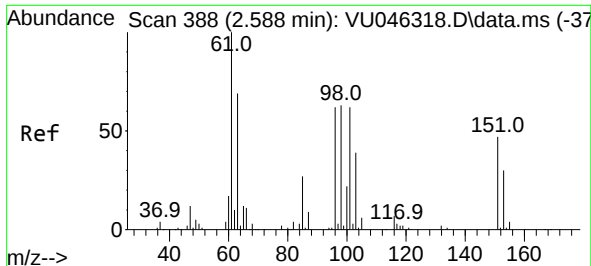
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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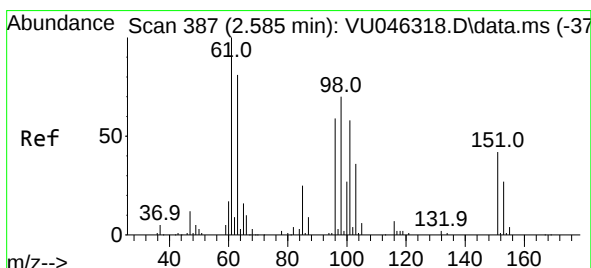
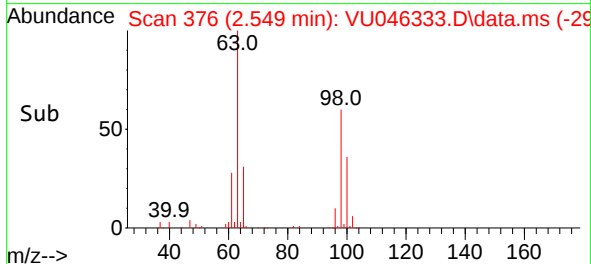
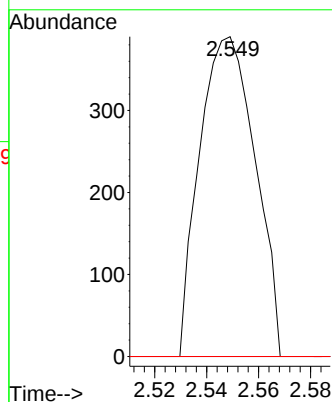
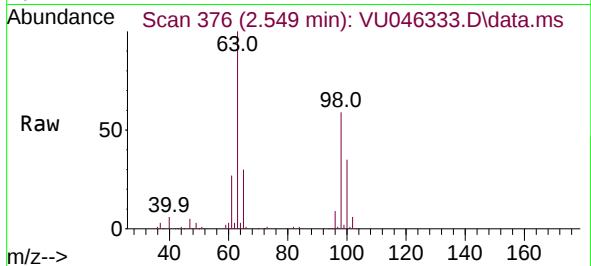




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.451 ug/L
RT: 2.549 min Scan# 31
Delta R.T. -0.039 min
Lab File: VU046333.D
Acq: 13 Dec 2021 21:57

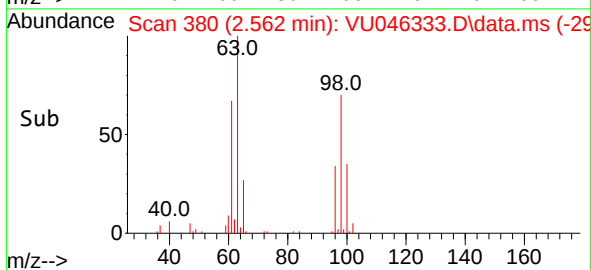
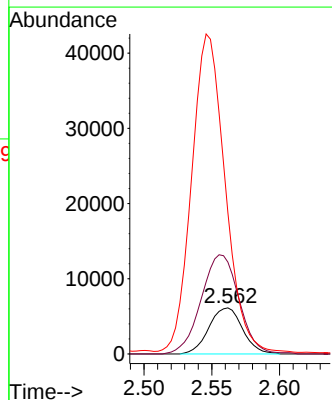
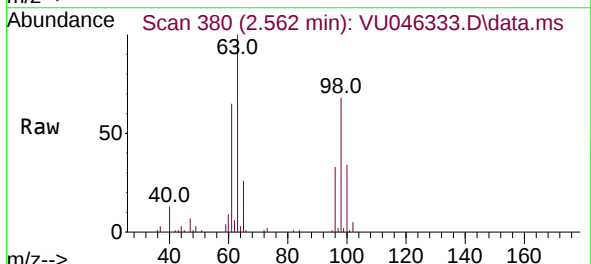
Instrument :
MSVOA_U
ClientSampleId :

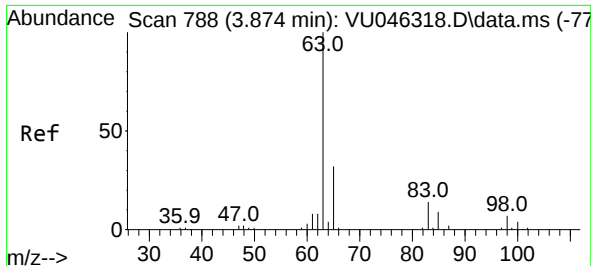
Tgt Ion:101 Resp: 580
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 8.689 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.023 min
Lab File: VU046333.D
Acq: 13 Dec 2021 21:57

Tgt Ion: 96 Resp: 10612
Ion Ratio Lower Upper
96 100
61 199.4 118.6 220.2
63 307.0 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 7.554 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.010 min

Lab File: VU046333.D

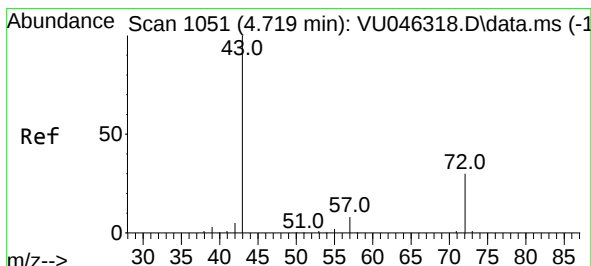
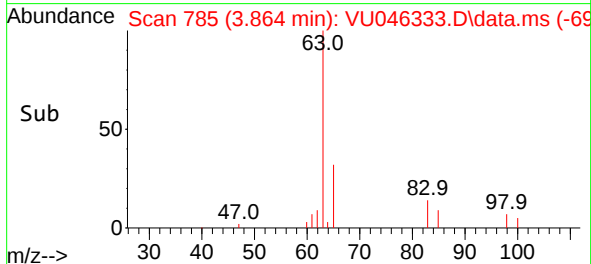
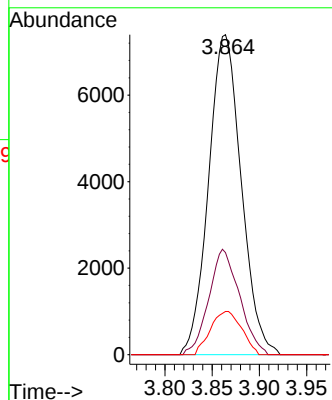
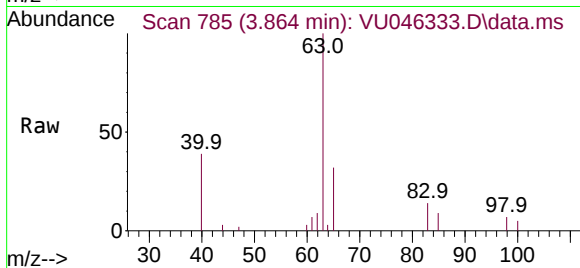
Acq: 13 Dec 2021 21:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	17752
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.8	42.4
83	13.5	9.6	17.8



#22

2-Butanone

Concen: 2.615 ug/L

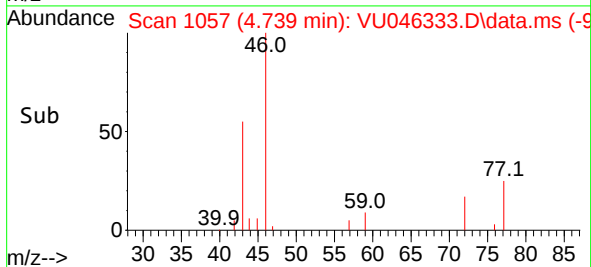
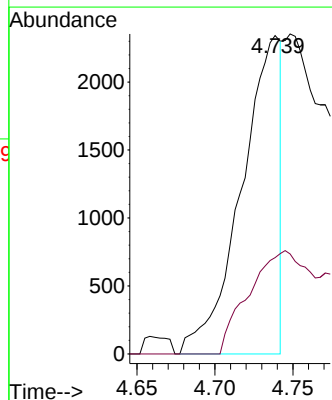
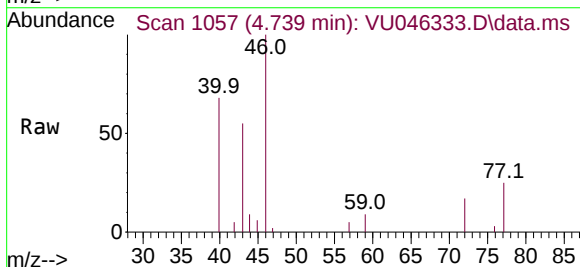
RT: 4.739 min Scan# 1057

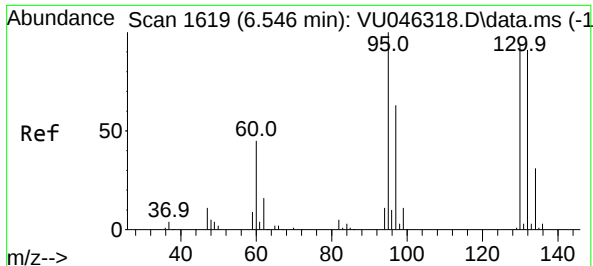
Delta R.T. 0.020 min

Lab File: VU046333.D

Acq: 13 Dec 2021 21:57

Tgt Ion:	43	Resp:	4115
Ion	Ratio	Lower	Upper
43	100		
72	49.0	14.5	43.6#

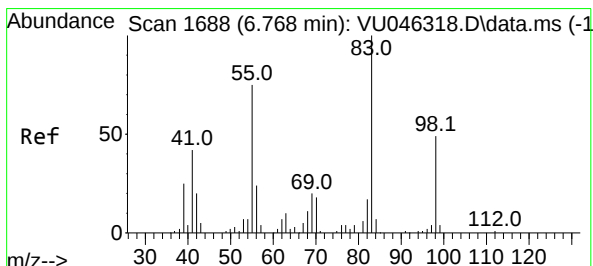
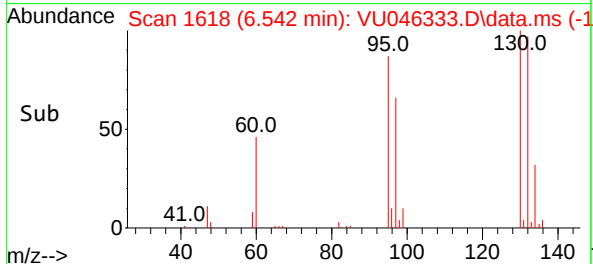
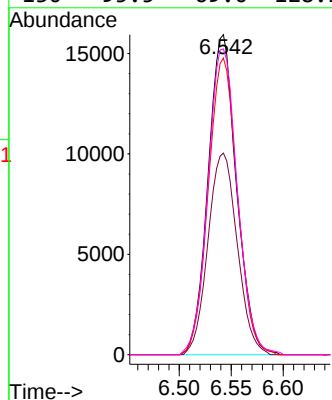
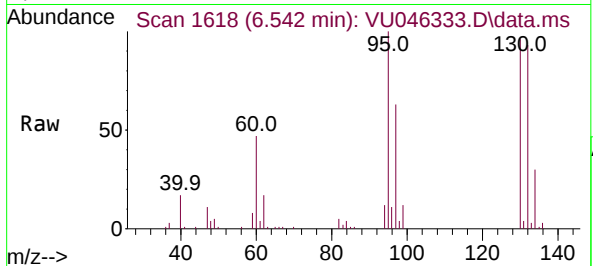




#34
Trichloroethene
Concen: 20.861 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU046333.D
Acq: 13 Dec 2021 21:57

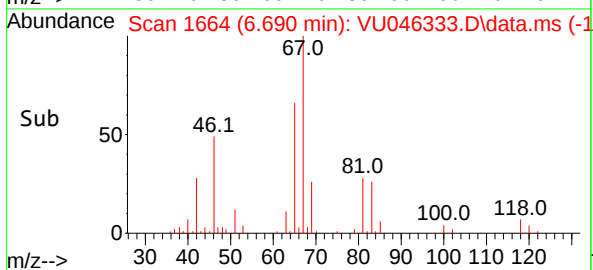
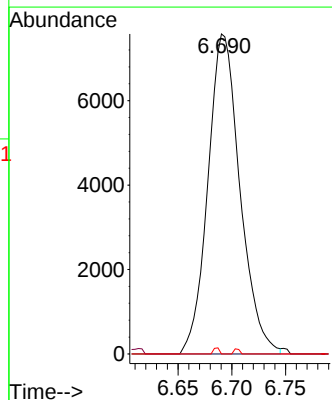
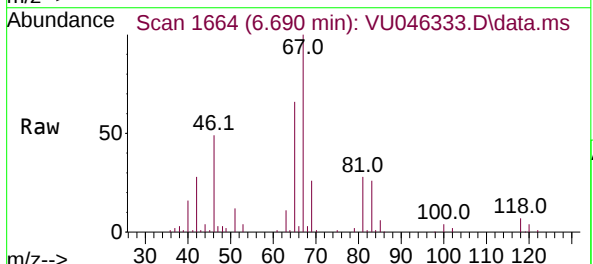
Instrument :
MSVOA_U
ClientSampleId :

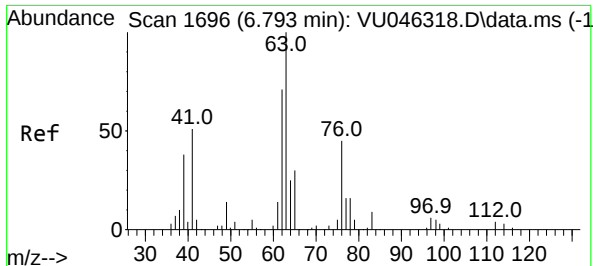
Tgt Ion: 95 Resp: 30332
Ion Ratio Lower Upper
95 100
97 63.0 44.1 81.9
132 92.7 66.8 124.0
130 95.5 69.0 128.1



#35
Methylcyclohexane
Concen: 6.974 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046333.D
Acq: 13 Dec 2021 21:57

Tgt Ion: 83 Resp: 15723
Ion Ratio Lower Upper
83 100
55 0.4 57.8 86.6#
98 0.3 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 4.642 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046333.D

Acq: 13 Dec 2021 21:57

Instrument :

MSVOA_U

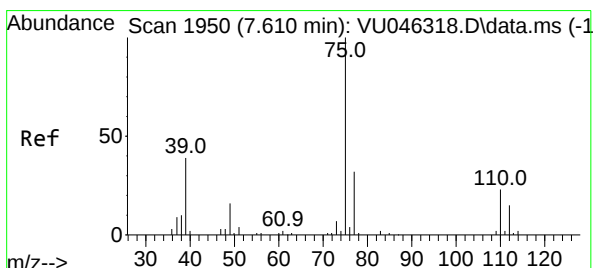
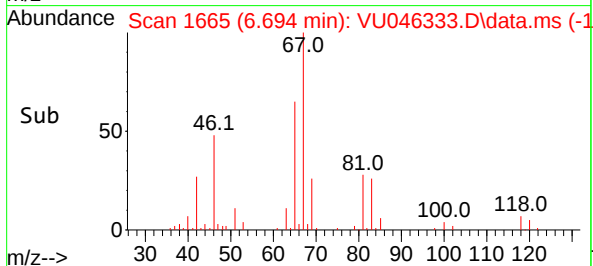
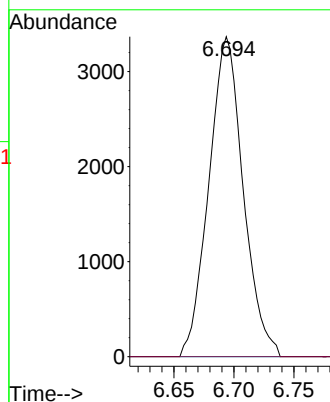
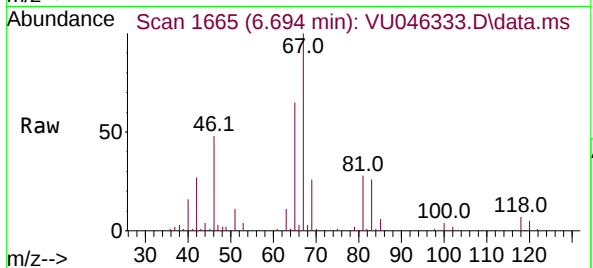
ClientSampleId :

Tgt Ion: 63 Resp: 6711

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.773 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.039 min

Lab File: VU046333.D

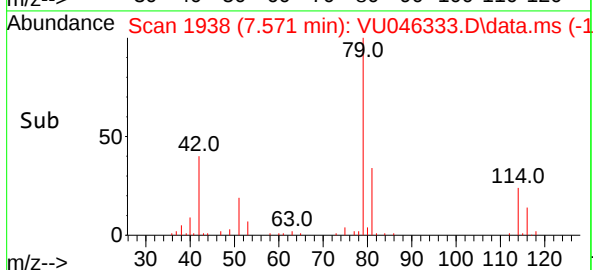
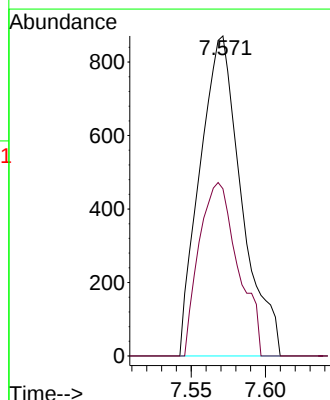
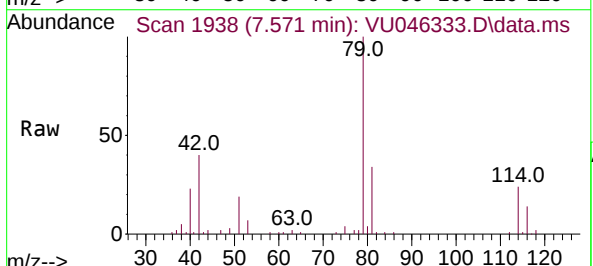
Acq: 13 Dec 2021 21:57

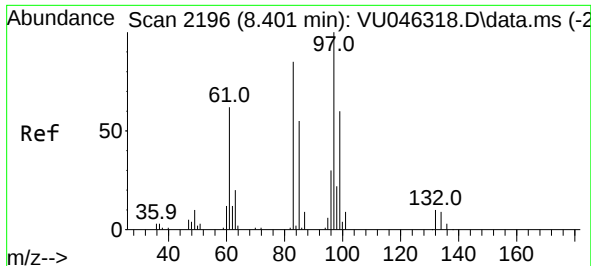
Tgt Ion: 75 Resp: 1700

Ion Ratio Lower Upper

75 100

77 52.2 21.8 40.6#

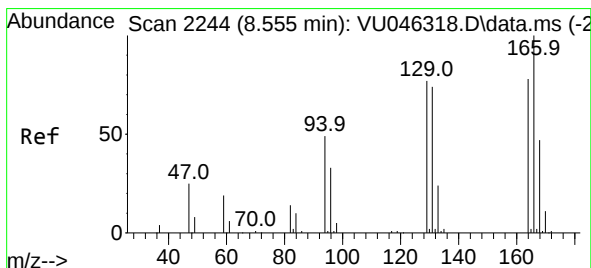
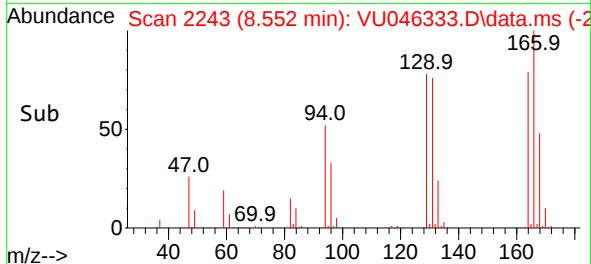
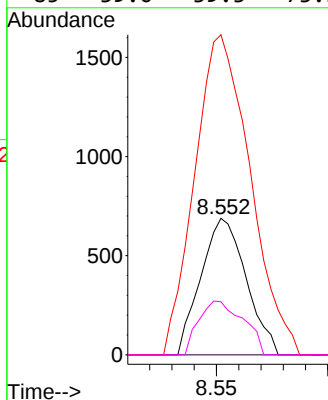
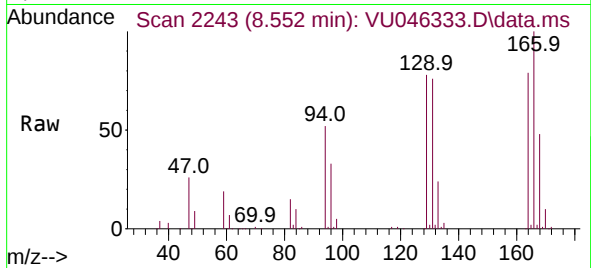




#45
1,1,2-Trichloroethane
Concen: 0.670 ug/L
RT: 8.552 min Scan# 2196
Delta R.T. 0.151 min
Lab File: VU046333.D
Acq: 13 Dec 2021 21:57

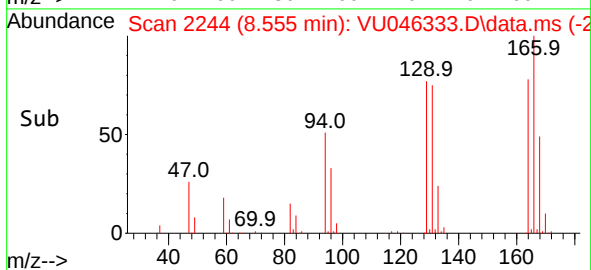
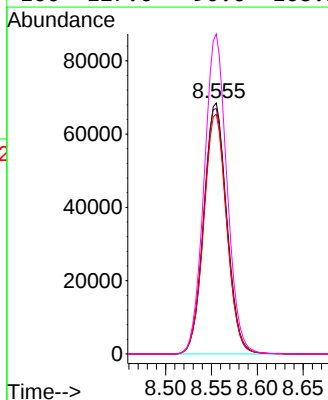
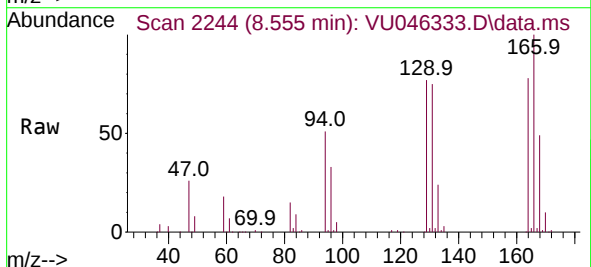
Instrument :
MSVOA_U
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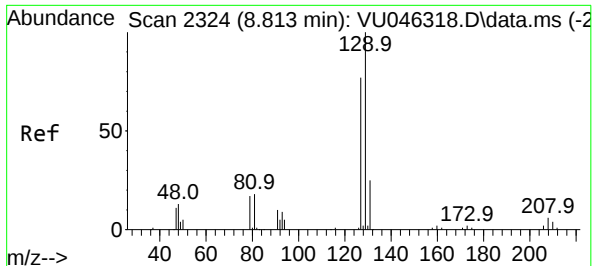
Tgt Ion: 97	Resp:	972
Ion Ratio	Lower	Upper
97	100	
99	0.0	44.7 82.9#
83	234.7	60.2 111.8#
85	39.0	39.3 73.1#



#46
Tetrachloroethene
Concen: 111.396 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046333.D
Acq: 13 Dec 2021 21:57

Tgt Ion: 164	Resp:	119030
Ion Ratio	Lower	Upper
164	100	
129	97.8	71.1 132.1
131	95.6	67.8 126.0
166	127.6	90.6 168.2

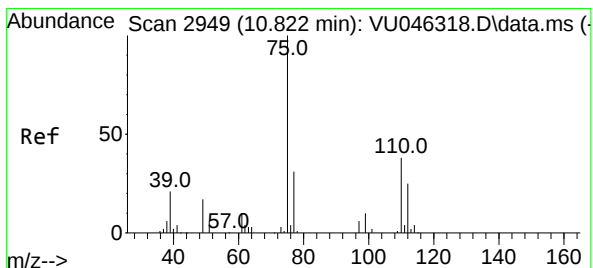
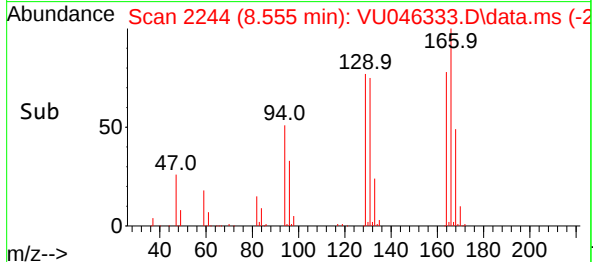
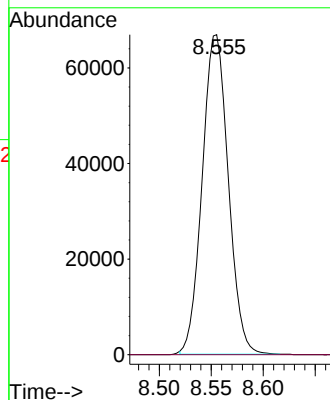
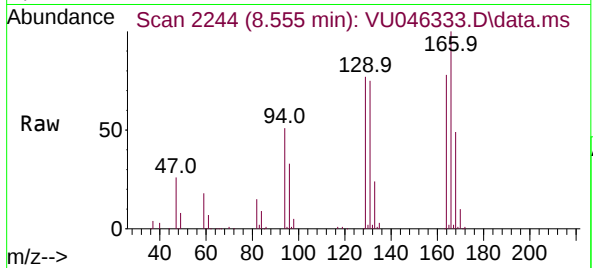




#49
Dibromochloromethane
Concen: 76.587 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046333.D
Acq: 13 Dec 2021 21:57

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 116660
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.614 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.997 min
Lab File: VU046333.D
Acq: 13 Dec 2021 21:57

Tgt Ion: 75 Resp: 10767
Ion Ratio Lower Upper
75 100
77 34.2 26.4 39.6
110 2.3 32.4 48.6#

