

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081122\
 Data File : VU050271.D
 Acq On : 12 Aug 2022 10:46
 Operator : SY/MD
 Sample : N4096-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 12 23:13:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 12 23:11:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	75465	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	75827	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	28727	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	37069	5.903	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 118.000%		
7) Chloroethane-d5	1.909	69	30528	6.025	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 120.600%		
11) 1,1-Dichloroethene-d2	2.565	65	13208	5.381	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 107.600%		
20) 2-Butanone-d5	4.626	46	95565	62.400	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	= 124.800%		
24) Chloroform-d	5.064	84	67685	5.794	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 115.800%		
26) 1,2-Dichloroethane-d4	5.703	65	35728	5.957	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 119.200%		
32) Benzene-d6	5.729	84	129166	5.459	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 109.200%		
36) 1,2-Dichloropropane-d6	6.690	67	44904	5.763	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 115.200%		
41) Toluene-d8	7.899	98	100488	4.808	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 96.200%		
43) trans-1,3-Dichloroprop...	8.179	79	14406	5.159	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 103.200%		
46) 2-Hexanone-d5	8.636	63	43422	43.851	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 87.700%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	38982	5.697	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 114.000%		
66) 1,2-Dichlorobenzene-d4	12.195	152	31943	5.675	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 113.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	2076	0.300	ug/L	100
5) Vinyl chloride	1.601	62	1263	0.156	ug/L #	46
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	198599	40.210	ug/L	96
12) 1,1-Dichloroethene	2.578	96	13518	2.591	ug/L #	66
18) trans-1,2-Dichloroethene	3.356	96	1396	0.239	ug/L	98
19) 1,1-Dichloroethane	3.871	63	13370	1.209	ug/L	99
22) cis-1,2-Dichloroethene	4.668	96	298258	46.009	ug/L	98
25) Chloroform	5.086	83	9183	0.779	ug/L	99
27) 1,2-Dichloroethane	5.800	62	2611	0.364	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	1129	0.121	ug/L #	92
31) Carbon tetrachloride	5.523	117	61813	8.106	ug/L	98
34) Trichloroethene	6.543	95	1768484	275.233	ug/L	96
35) Methylcyclohexane	6.690	83	9943	1.199	ug/L #	18
37) 1,2-Dichloropropane	6.690	63	4459	0.630	ug/L #	89
39) cis-1,3-Dichloropropene	7.562	75	960	0.104	ug/L #	50
47) Tetrachloroethene	8.552	164	27035	5.872	ug/L	98
48) 2-Hexanone	8.684	43	24817	7.828	ug/L #	91
49) Dibromochloromethane	8.552	129	26561	4.537	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	3534	0.903	ug/L #	65

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Response via : Initial Calibration

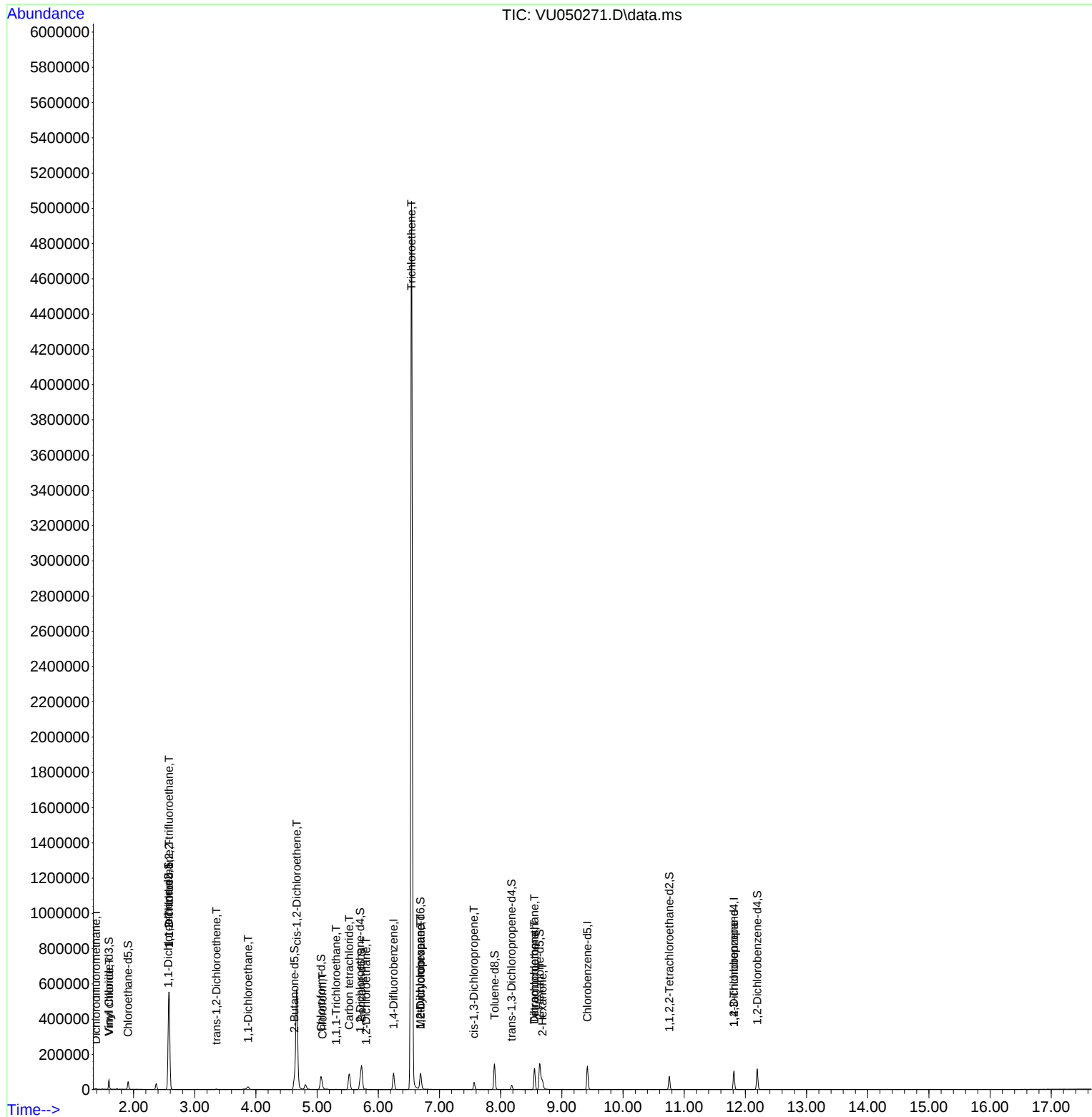
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

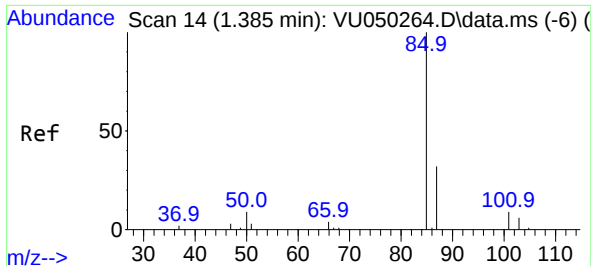
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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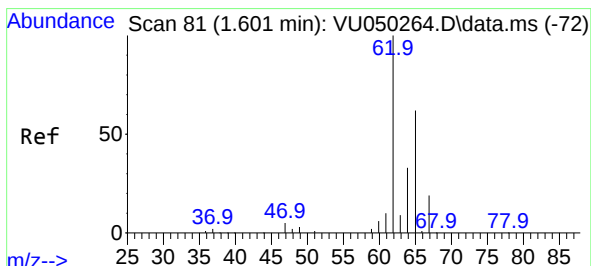
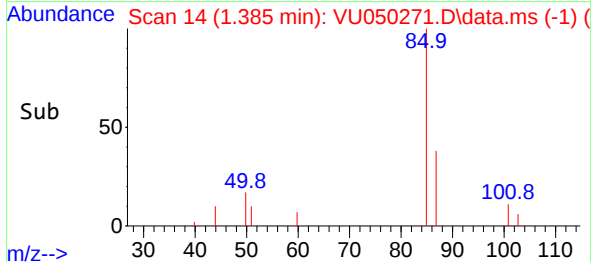
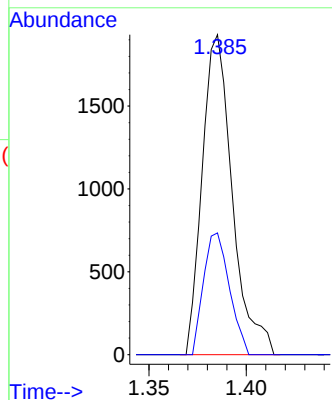
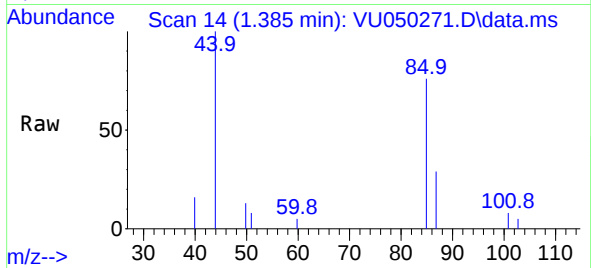




#2
Dichlorodifluoromethane
Concen: 0.300 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

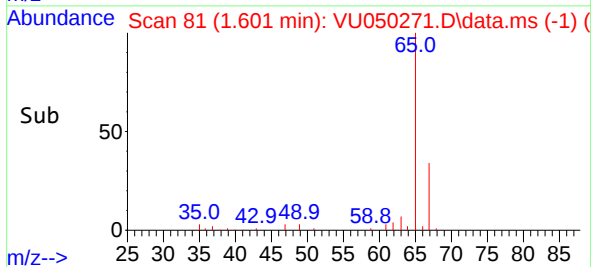
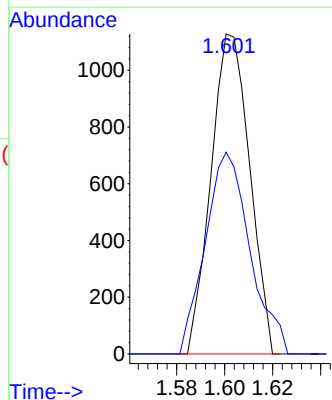
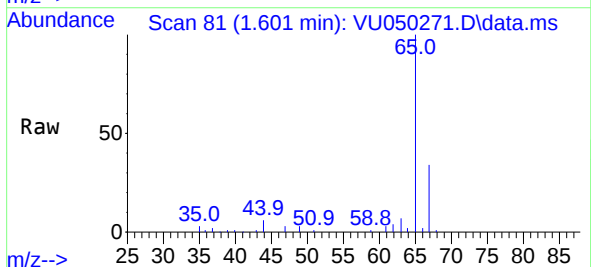
Instrument :
MSVOA_U
ClientSampleId :

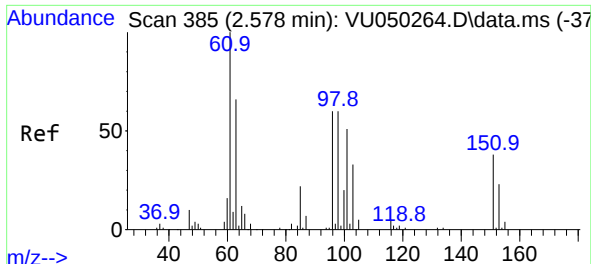
Tgt Ion: 85 Resp: 2076
Ion Ratio Lower Upper
85 100
87 32.6 26.2 39.4



#5
Vinyl chloride
Concen: 0.156 ug/L
RT: 1.601 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

Tgt Ion: 62 Resp: 1263
Ion Ratio Lower Upper
62 100
64 63.0 22.8 42.4#

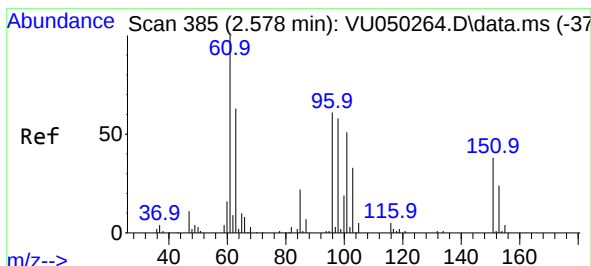
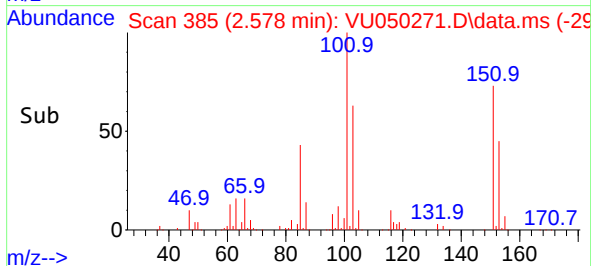
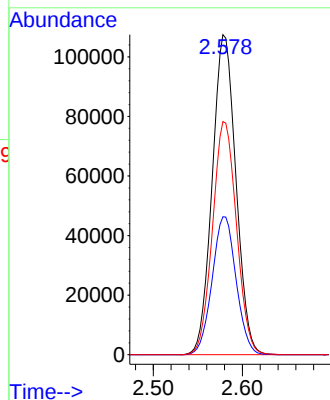
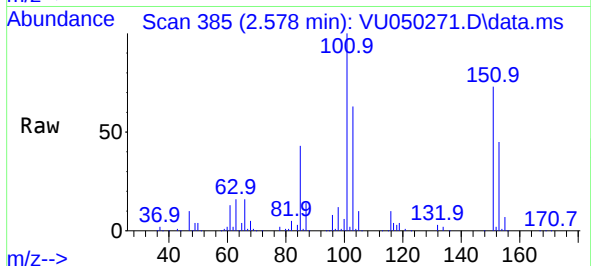




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 40.210 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050271.D
 Acq: 12 Aug 2022 10:46

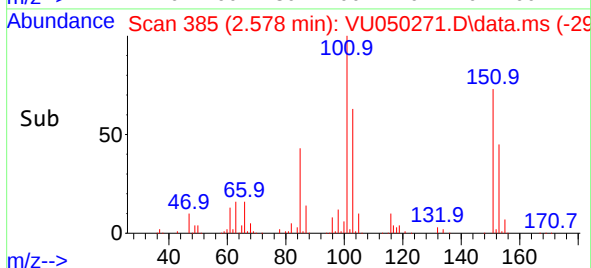
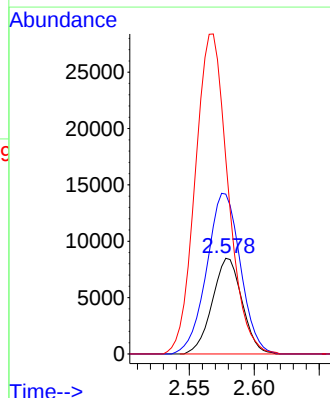
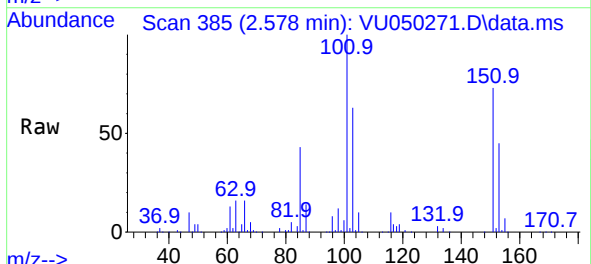
Instrument :
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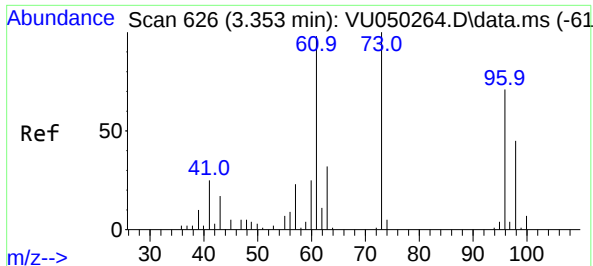
Tgt Ion:101 Resp: 198599
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.6 53.4
 151 73.8 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 2.591 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050271.D
 Acq: 12 Aug 2022 10:46

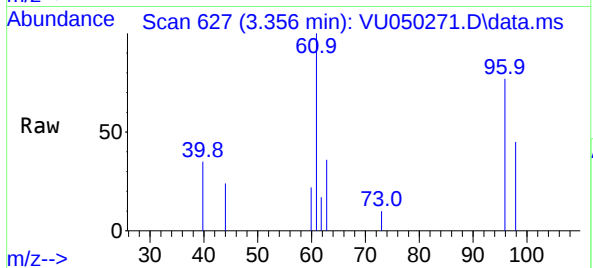
Tgt Ion: 96 Resp: 13518
 Ion Ratio Lower Upper
 96 100
 61 167.2 122.7 227.9
 63 204.0 85.1 158.1#



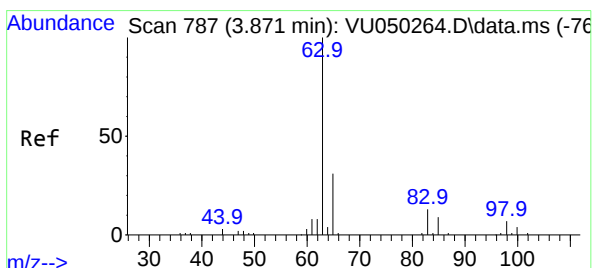
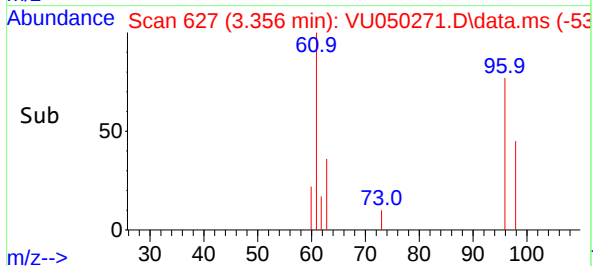
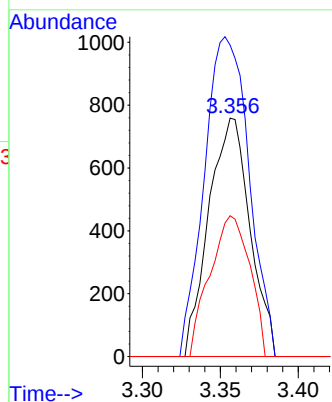


#18
trans-1,2-Dichloroethene
Concen: 0.239 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

Instrument :
MSVOA_U
ClientSampleId :

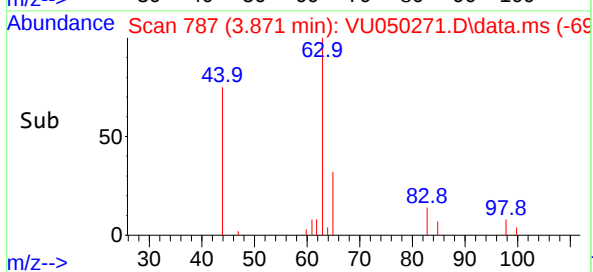
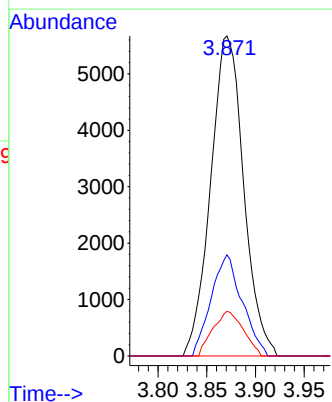
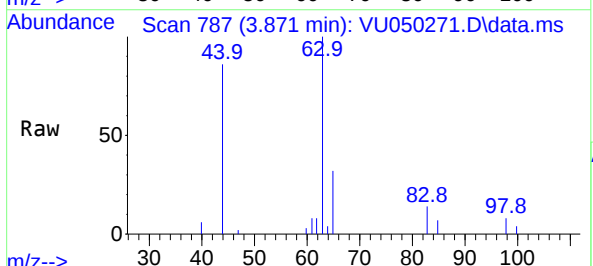


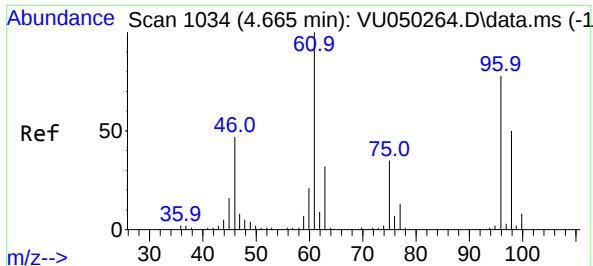
Tgt Ion: 96 Resp: 1396
Ion Ratio Lower Upper
96 100
61 130.6 92.3 171.5
98 59.0 43.2 80.2



#19
1,1-Dichloroethane
Concen: 1.209 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.000 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

Tgt Ion: 63 Resp: 13370
Ion Ratio Lower Upper
63 100
65 31.6 22.7 42.3
83 13.9 9.8 18.2





#22

cis-1,2-Dichloroethene

Concen: 46.009 ug/L

RT: 4.668 min Scan# 110

Delta R.T. 0.003 min

Lab File: VU050271.D

Acq: 12 Aug 2022 10:46

Instrument :

MSVOA_U

ClientSampleId :

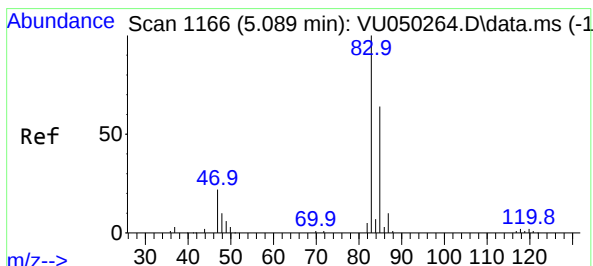
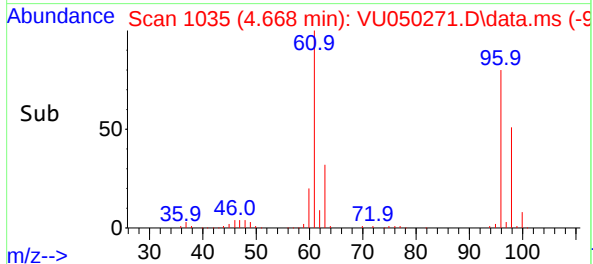
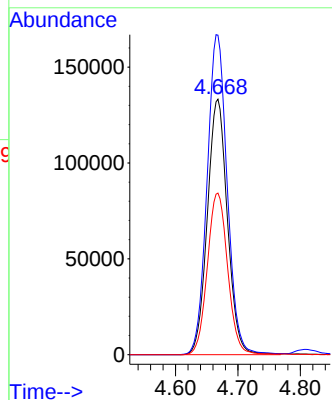
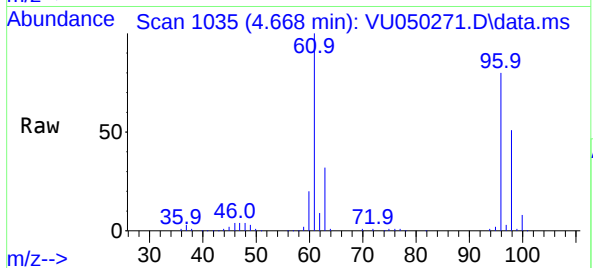
Tgt Ion: 96 Resp: 298258

Ion Ratio Lower Upper

96 100

61 125.1 89.0 165.4

98 63.2 45.2 84.0



#25

Chloroform

Concen: 0.779 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU050271.D

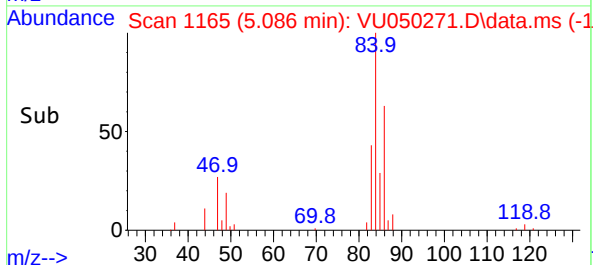
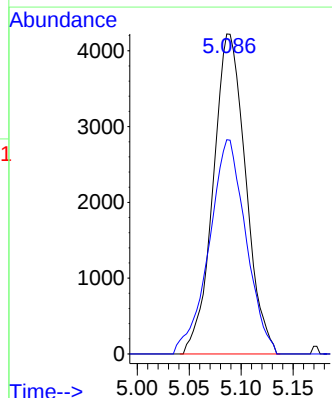
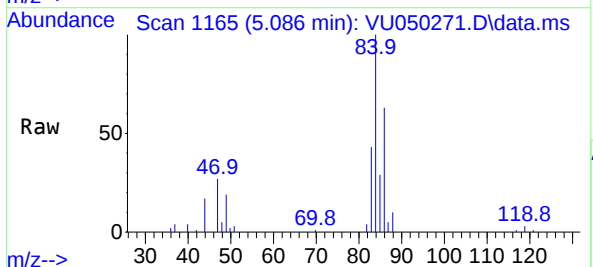
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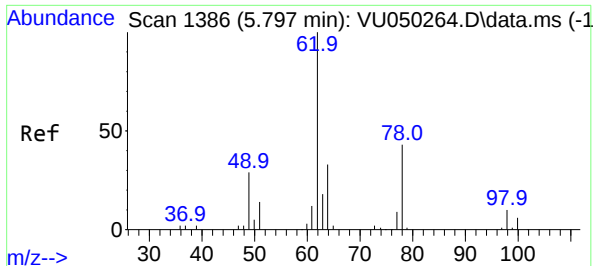
Tgt Ion: 83 Resp: 9183

Ion Ratio Lower Upper

83 100

85 66.9 46.1 85.5

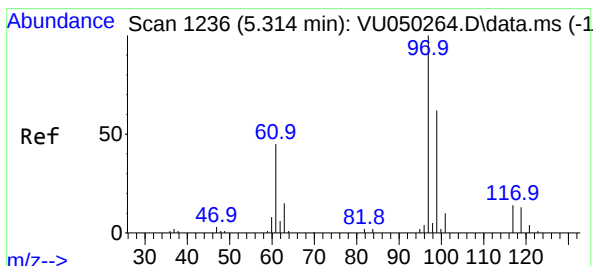
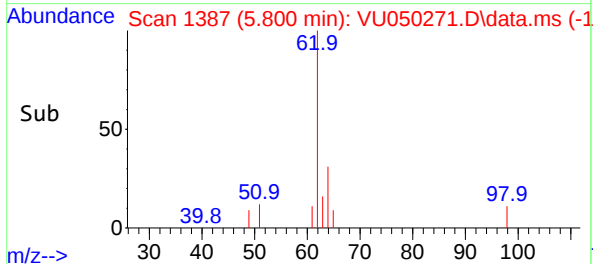
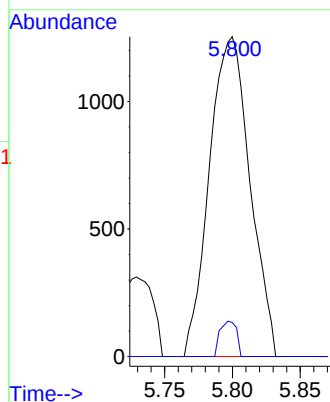
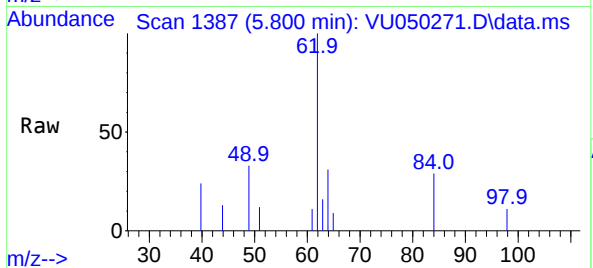




#27
1,2-Dichloroethane
Concen: 0.364 ug/L
RT: 5.800 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

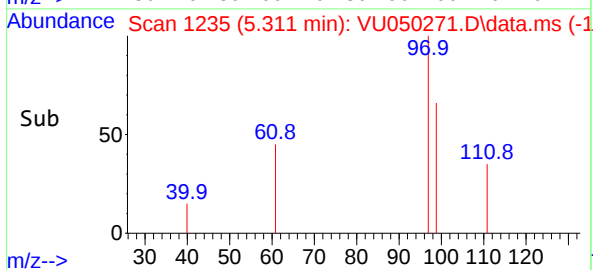
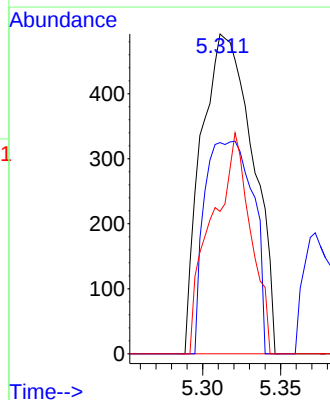
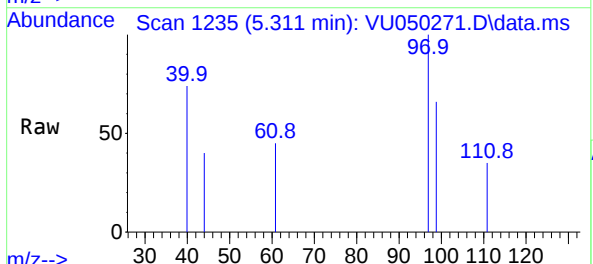
Instrument :
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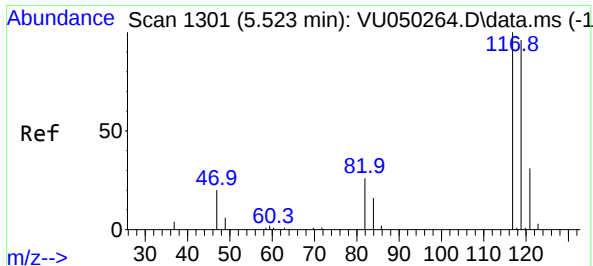
Tgt Ion: 62 Resp: 2611
Ion Ratio Lower Upper
62 100
98 10.7 7.8 11.8



#29
1,1,1-Trichloroethane
Concen: 0.121 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

Tgt Ion: 97 Resp: 1129
Ion Ratio Lower Upper
97 100
99 62.2 51.5 77.3
61 52.3 34.2 51.4#

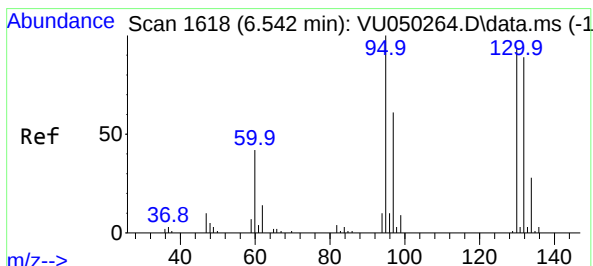
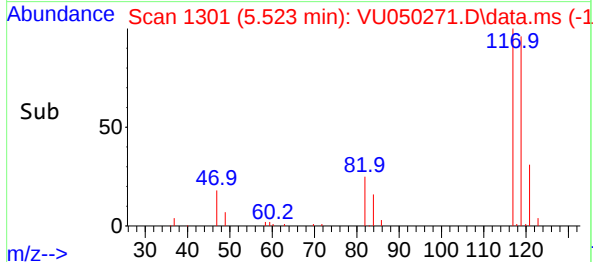
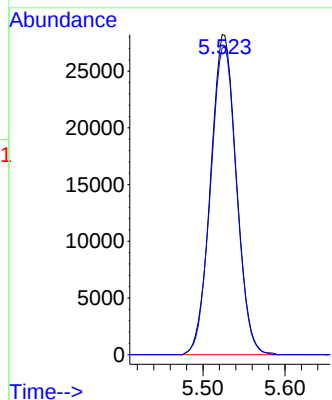
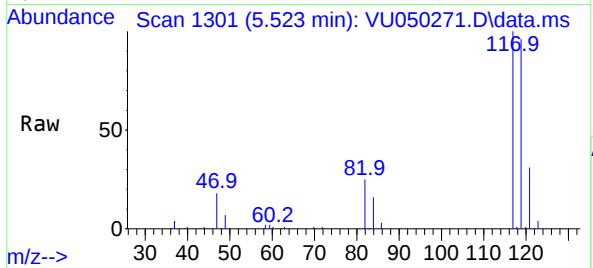




#31
Carbon tetrachloride
Concen: 8.106 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

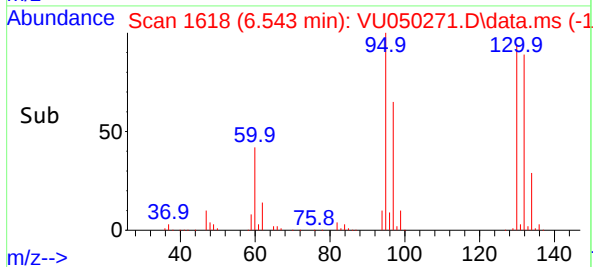
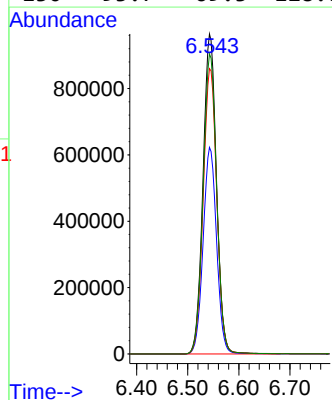
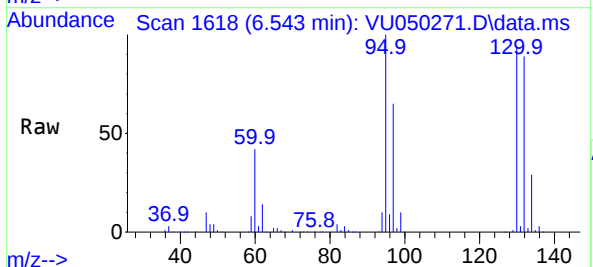
Instrument :
MSVOA_U
ClientSampleId :

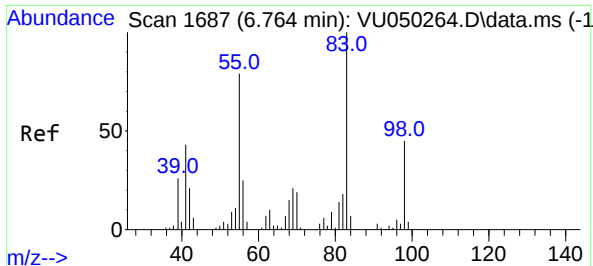
Tgt Ion:117 Resp: 61813
Ion Ratio Lower Upper
117 100
119 96.7 76.0 114.0



#34
Trichloroethene
Concen: 275.233 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

Tgt Ion: 95 Resp: 1768484
Ion Ratio Lower Upper
95 100
97 64.5 45.6 84.8
132 89.2 65.0 120.6
130 93.7 69.3 128.7





#35

Methylcyclohexane

Concen: 1.199 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU050271.D

Acq: 12 Aug 2022 10:46

Instrument :

MSVOA_U

ClientSampleId :

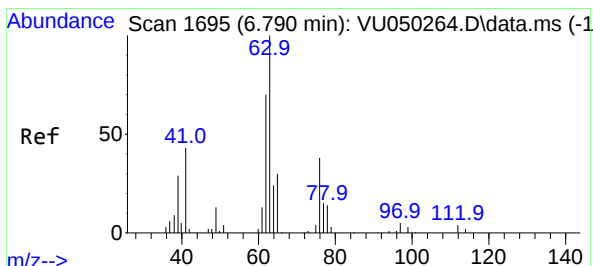
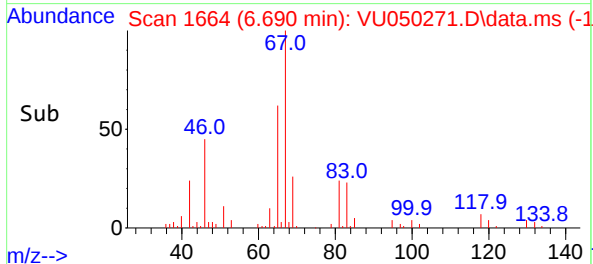
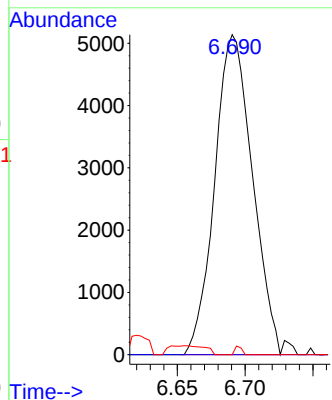
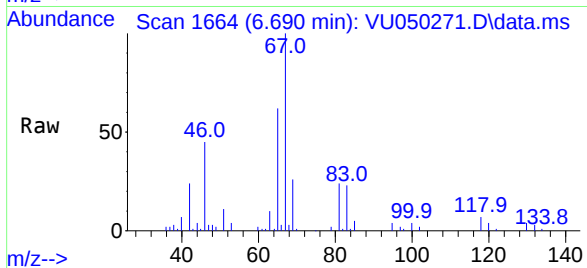
Tgt Ion: 83 Resp: 9943

Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 0.0 36.2 54.2#



#37

1,2-Dichloropropane

Concen: 0.630 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.100 min

Lab File: VU050271.D

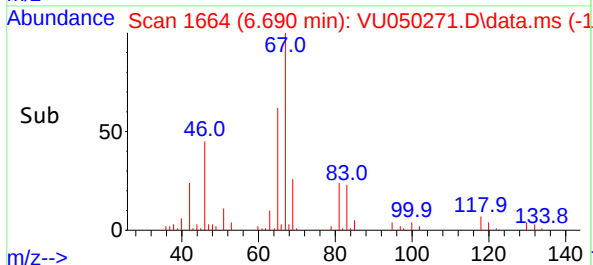
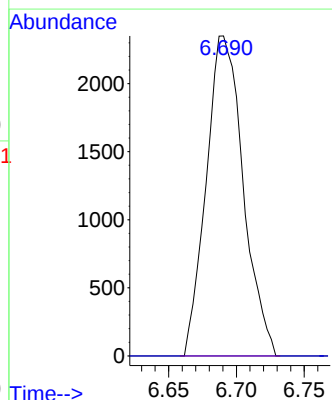
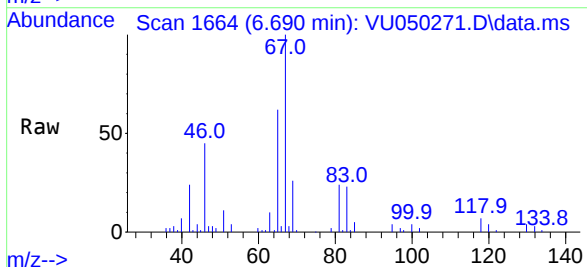
Acq: 12 Aug 2022 10:46

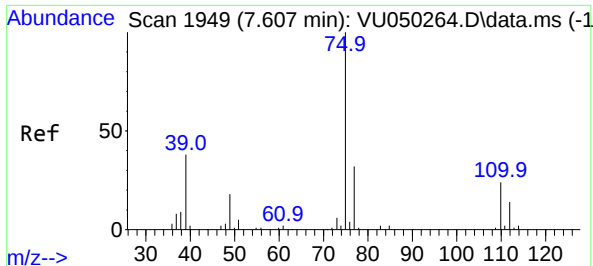
Tgt Ion: 63 Resp: 4459

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#

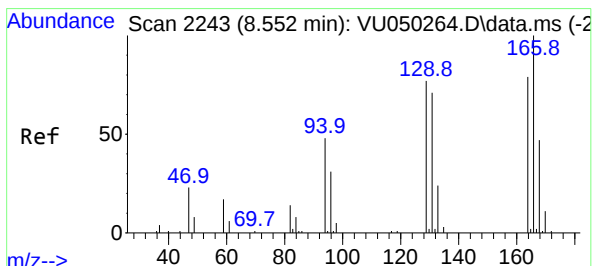
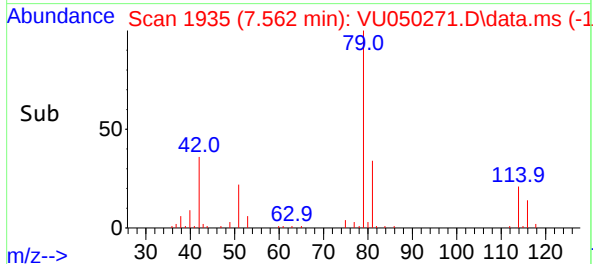
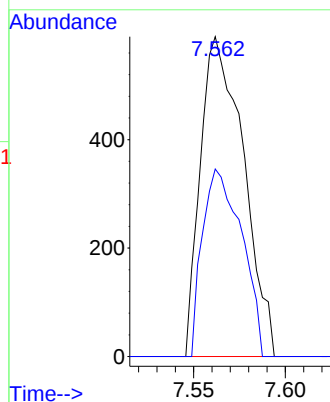
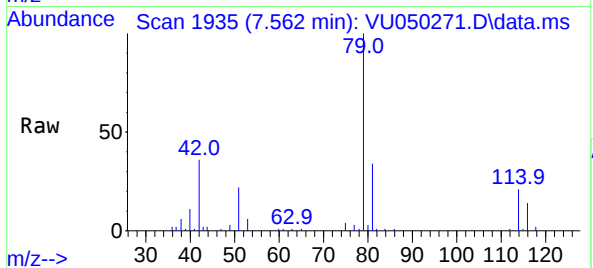




#39
cis-1,3-Dichloropropene
Concen: 0.104 ug/L
RT: 7.562 min Scan# 1949
Delta R.T. -0.045 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

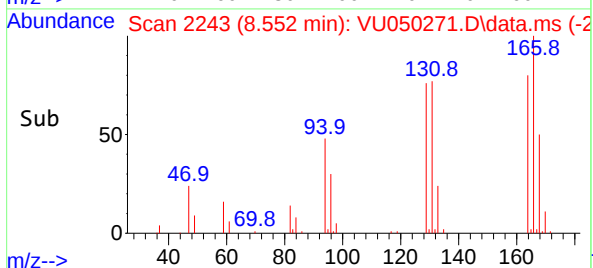
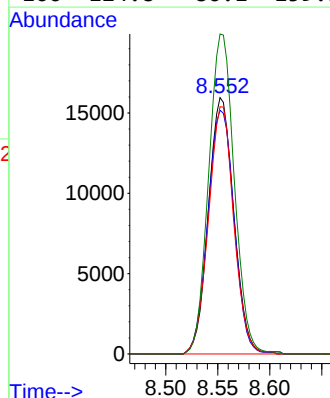
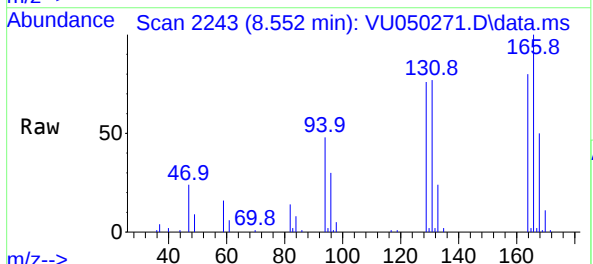
Instrument :
MSVOA_U
ClientSampleId :

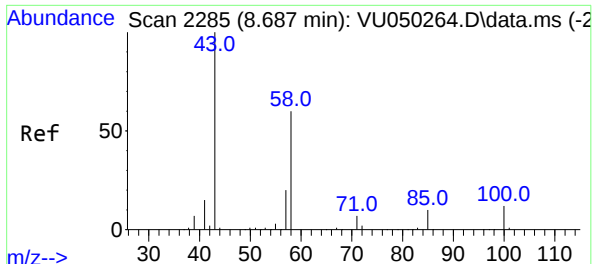
Tgt Ion: 75 Resp: 960
Ion Ratio Lower Upper
75 100
77 58.6 21.8 40.4#



#47
Tetrachloroethene
Concen: 5.872 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

Tgt Ion:164 Resp: 27035
Ion Ratio Lower Upper
164 100
129 95.0 69.0 128.1
131 96.5 65.8 122.2
166 124.8 86.1 159.9





#48

2-Hexanone

Concen: 7.828 ug/L

RT: 8.684 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU050271.D

Acq: 12 Aug 2022 10:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 24817

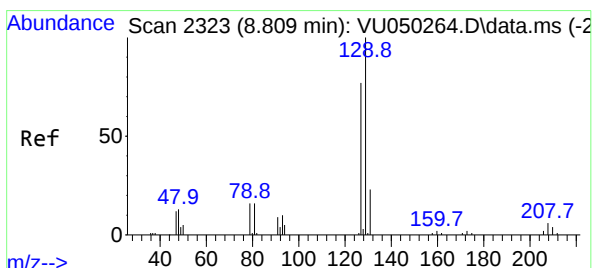
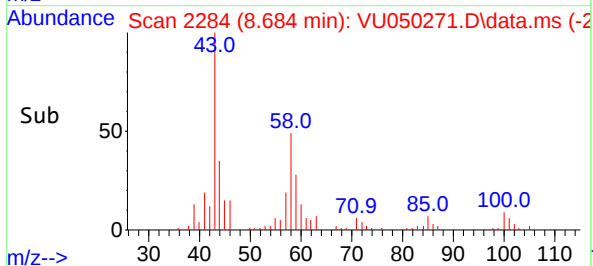
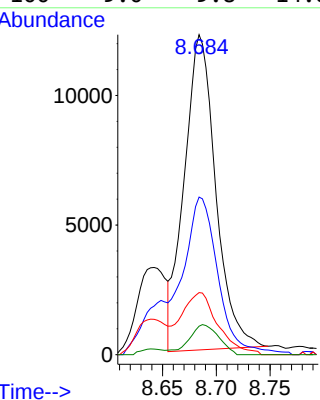
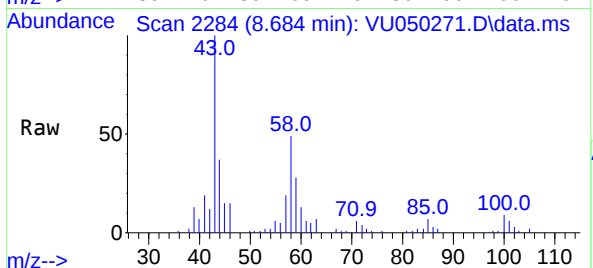
Ion Ratio Lower Upper

43 100

58 55.0 50.6 76.0

57 22.4 16.0 24.0

100 9.0 9.8 14.8#



#49

Dibromochloromethane

Concen: 4.537 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.257 min

Lab File: VU050271.D

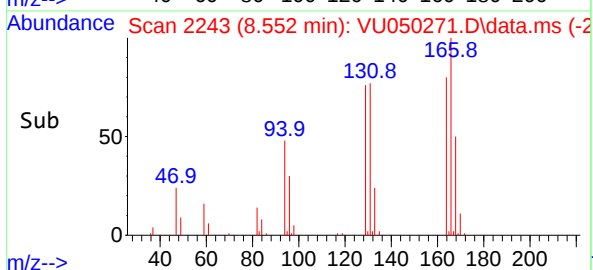
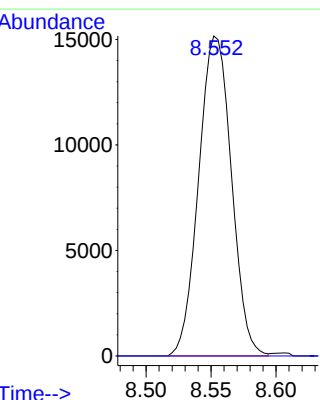
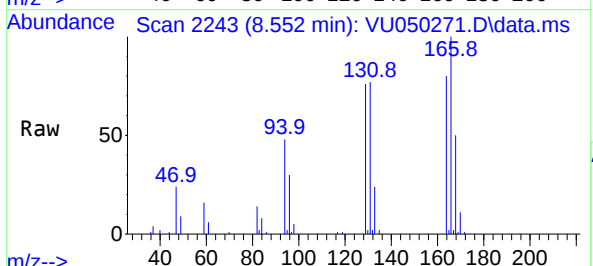
Acq: 12 Aug 2022 10:46

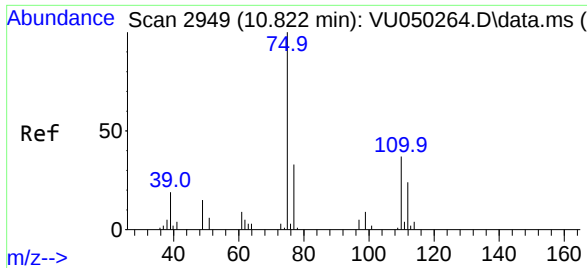
Tgt Ion: 129 Resp: 26561

Ion Ratio Lower Upper

129 100

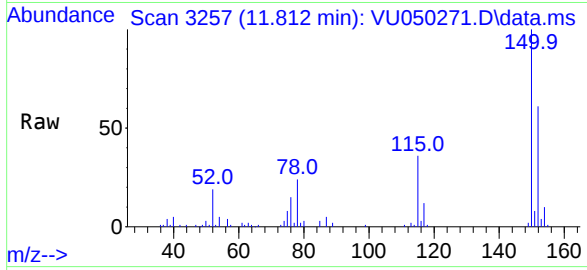
127 0.0 55.3 102.7#





#61
1,2,3-Trichloropropane
Concen: 0.903 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU050271.D
Acq: 12 Aug 2022 10:46

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 3534
Ion Ratio Lower Upper
75 100
110 0.0 28.5 42.7#
77 28.9 25.8 38.6

