

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042823\
 Data File : U053958.D
 Acq On : 28 Apr 2023 00:30
 Operator : JC/MD
 Sample : 02525-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA37

Quant Time: Apr 28 07:22:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	139924	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	133381	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	66579	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	29114	3.416	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.400%
7) Chloroethane-d5	1.912	69	26811	3.748	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.565	65	13816	3.939	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.800%
20) 2-Butanone-d5	4.636	46	79171	50.718	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.440%
24) Chloroform-d	5.057	84	83070	5.172	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
26) 1,2-Dichloroethane-d4	5.700	65	33138	4.465	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.726	84	136825	4.355	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.687	67	43781	4.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.896	98	120699	4.116	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
43) trans-1,3-Dichloroprop...	8.179	79	15178	4.060	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.629	63	68909	52.084	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.160%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	35277	4.592	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	46240	4.330	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	6303	0.632	ug/L #	42
12) 1,1-Dichloroethene	2.578	96	2107640	239.475	ug/L #	76
16) Methylene chloride	3.044	84	6254	0.521	ug/L	82
18) trans-1,2-Dichloroethene	3.353	96	1413	0.159	ug/L	91
19) 1,1-Dichloroethane	3.864	63	127991	7.952	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	99568	9.924	ug/L	98
25) Chloroform	5.083	83	320295	18.324	ug/L	100
27) 1,2-Dichloroethane	5.797	62	3847	0.384	ug/L #	91
29) 1,1,1-Trichloroethane	5.311	97	624005	41.616	ug/L	98
31) Carbon tetrachloride	5.523	117	15072	1.156	ug/L	94
33) Benzene	5.771	78	40808	1.085	ug/L	100
34) Trichloroethene	6.539	95	6457861	630.336	ug/L	98
35) Methylcyclohexane	6.687	83	10354	0.654	ug/L #	28
37) 1,2-Dichloropropane	6.687	63	4308	0.462	ug/L #	87
45) 1,1,2-Trichloroethane	8.578	97	293920	42.041	ug/L #	50
48) 2-Hexanone	8.629	43	6824	2.134	ug/L #	73
54) o-Xylene	10.092	106	2298	0.142	ug/L	86
61) 1,2,3-Trichloropropane	11.745	75	10974	2.137	ug/L #	48
64) 1,3-Dichlorobenzene	11.742	146	39378	1.968	ug/L	98

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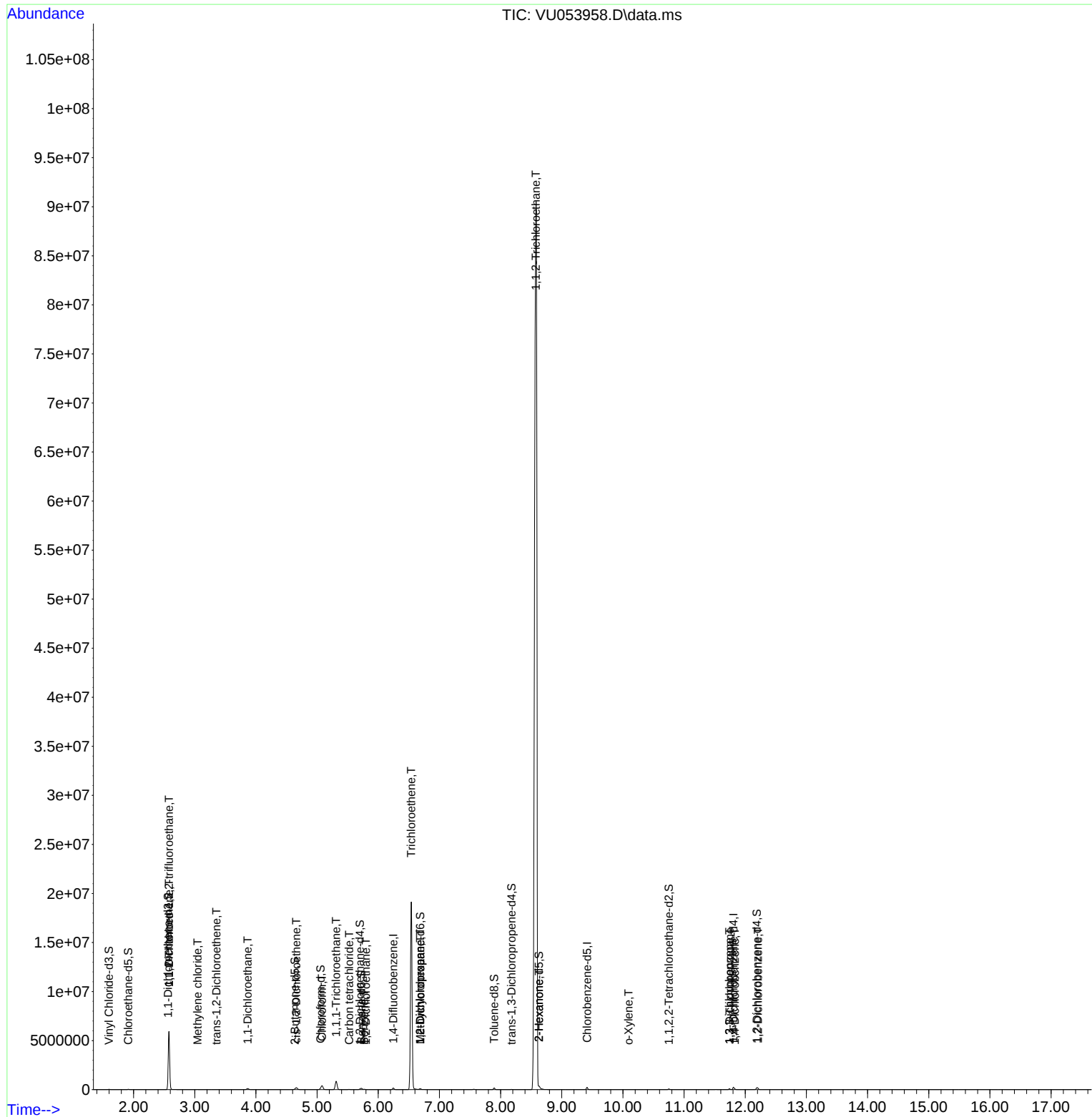
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.832	146	19965	0.988	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	53711	2.907	ug/L	98

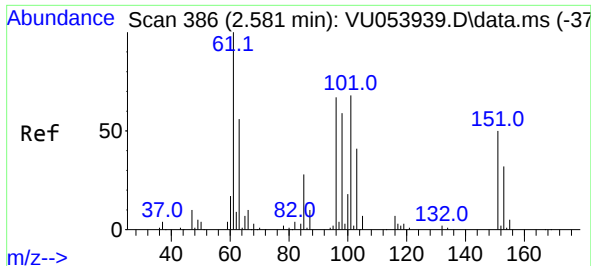
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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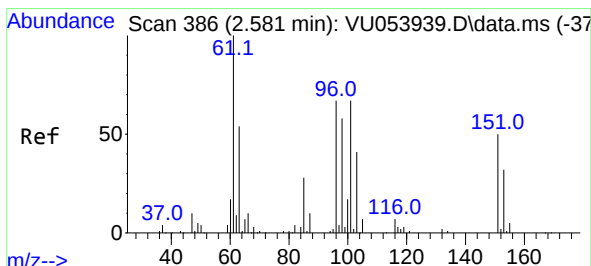
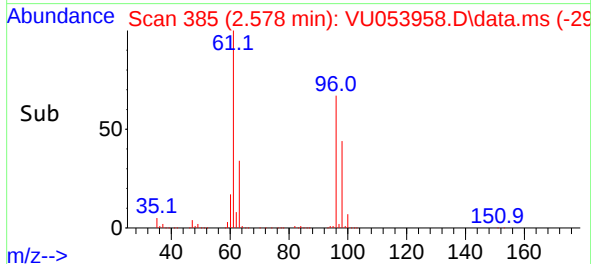
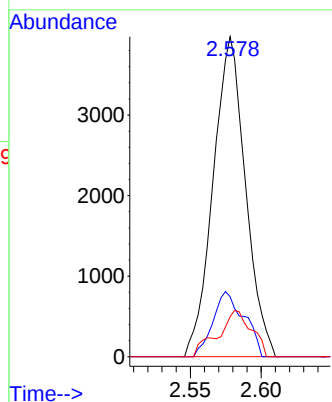
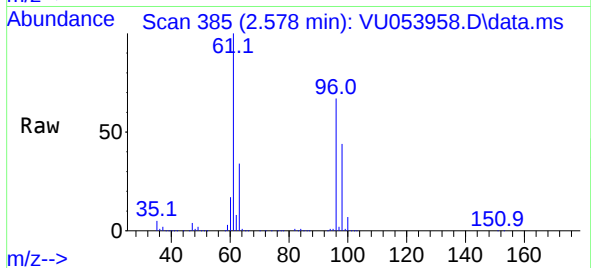




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.632 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

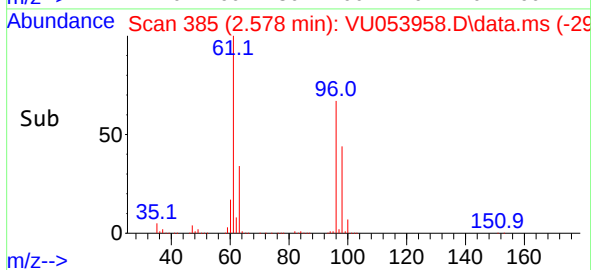
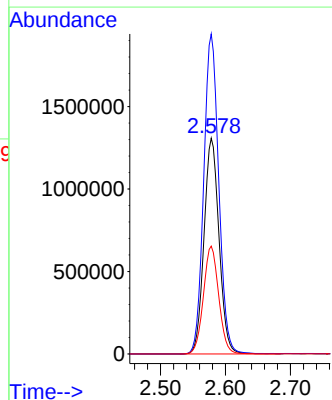
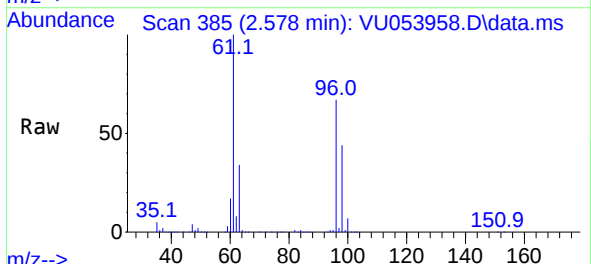
Instrument :
MSVOA_U
ClientSampleId :
HOA37

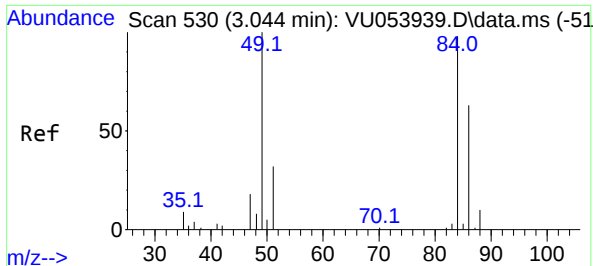
Tgt Ion:101 Resp: 6303
Ion Ratio Lower Upper
101 100
85 19.6 34.7 52.1#
151 15.0 59.1 88.7#



#12
1,1-Dichloroethene
Concen: 239.475 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

Tgt Ion: 96 Resp: 2107640
Ion Ratio Lower Upper
96 100
61 148.2 111.5 207.1
63 50.0 68.7 127.7#

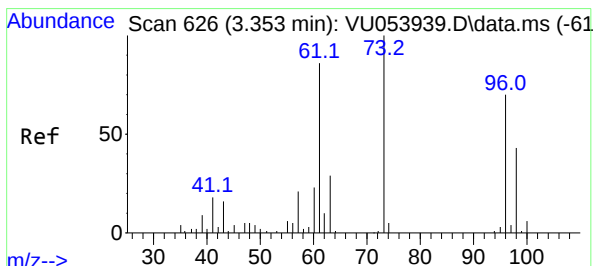
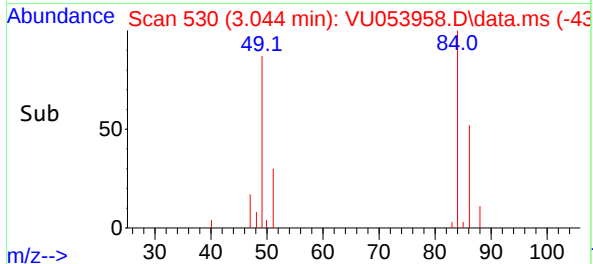
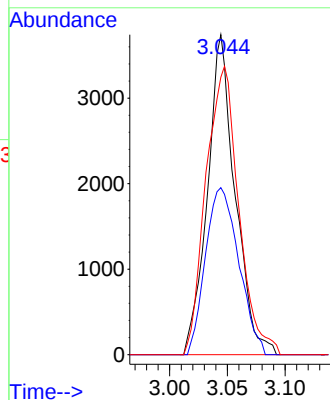
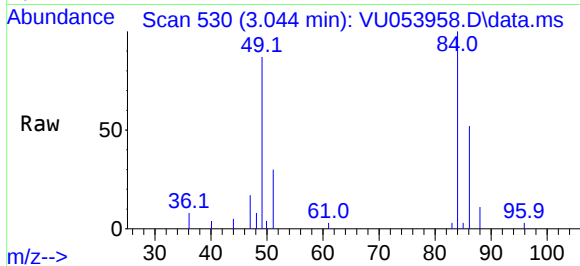




#16
Methylene chloride
Concen: 0.521 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

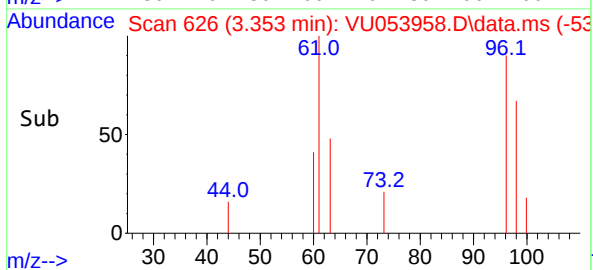
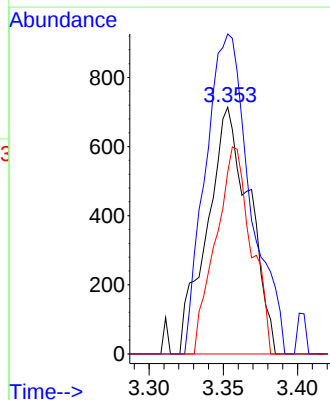
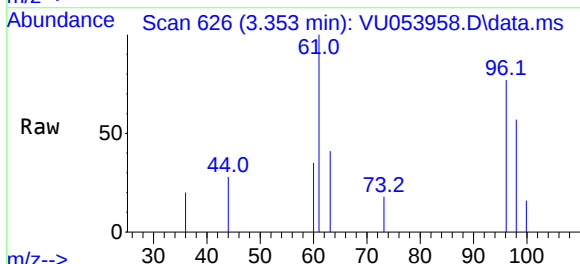
Instrument :
MSVOA_U
ClientSampleId :
HOA37

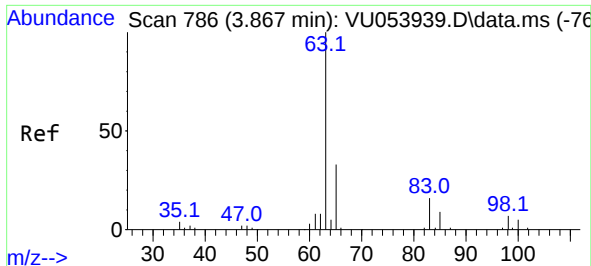
Tgt Ion:	84	Resp:	6254
Ion	Ratio	Lower	Upper
84	100		
86	52.2	45.0	83.6
49	86.7	74.8	138.8



#18
trans-1,2-Dichloroethene
Concen: 0.159 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

Tgt Ion:	96	Resp:	1413
Ion	Ratio	Lower	Upper
96	100		
61	129.7	86.2	160.0
98	73.7	42.8	79.4

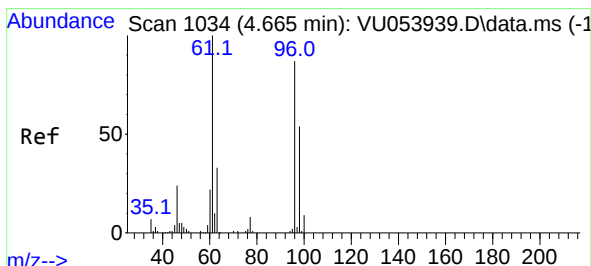
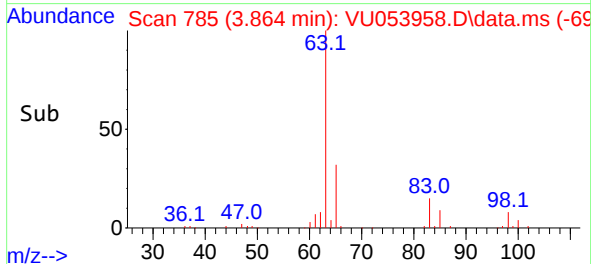
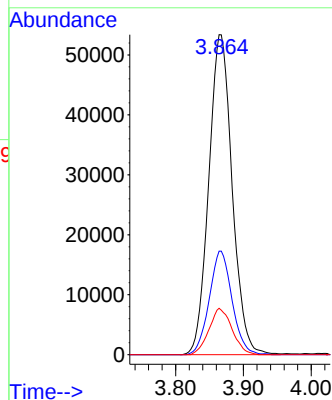
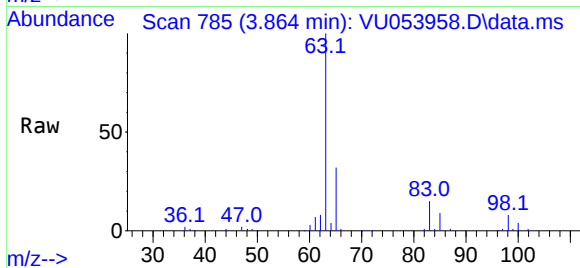




#19
1,1-Dichloroethane
Concen: 7.952 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

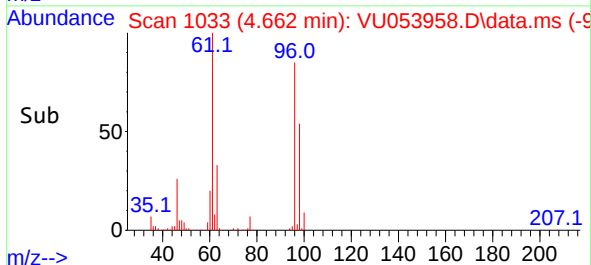
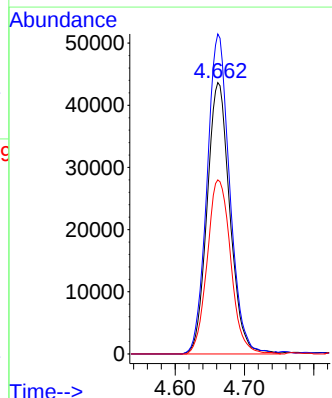
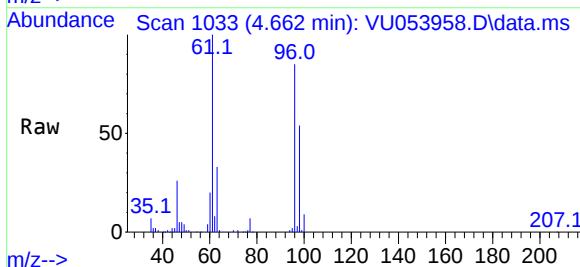
Instrument :
MSVOA_U
ClientSampleId :
HOA37

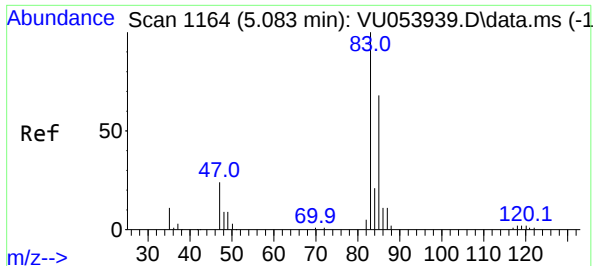
Tgt Ion: 63 Resp: 127991
Ion Ratio Lower Upper
63 100
65 32.3 22.0 40.8
83 14.5 10.3 19.1



#22
cis-1,2-Dichloroethene
Concen: 9.924 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

Tgt Ion: 96 Resp: 99568
Ion Ratio Lower Upper
96 100
61 117.9 84.3 156.5
98 64.1 46.4 86.2





#25

Chloroform

Concen: 18.324 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053958.D

Acq: 28 Apr 2023 00:30

Instrument :

MSVOA_U

ClientSampleId :

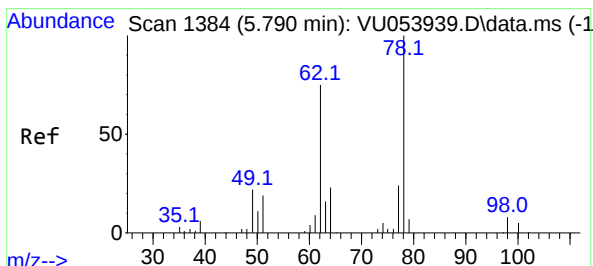
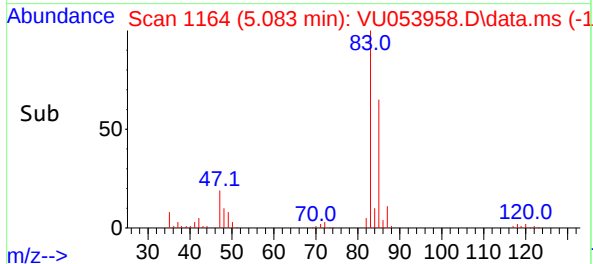
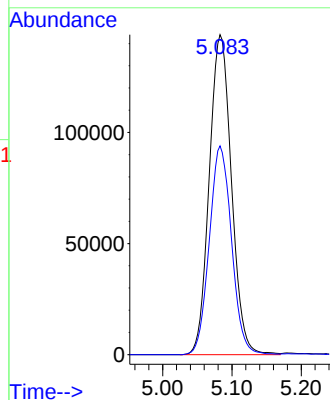
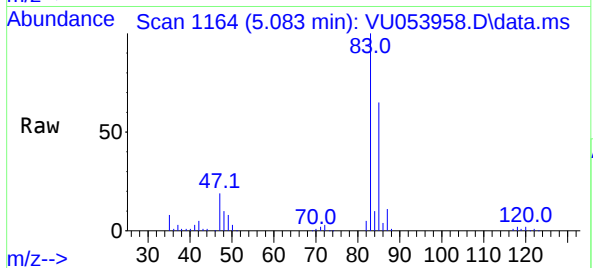
HOA37

Tgt Ion: 83 Resp: 320295

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.384 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.007 min

Lab File: VU053958.D

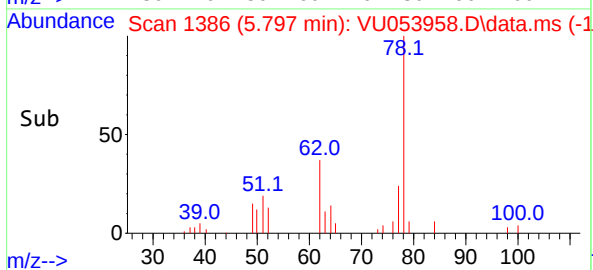
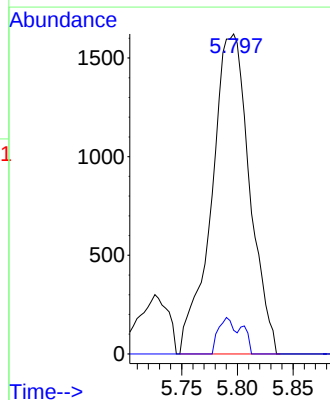
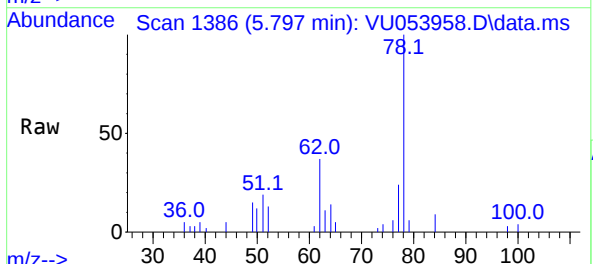
Acq: 28 Apr 2023 00:30

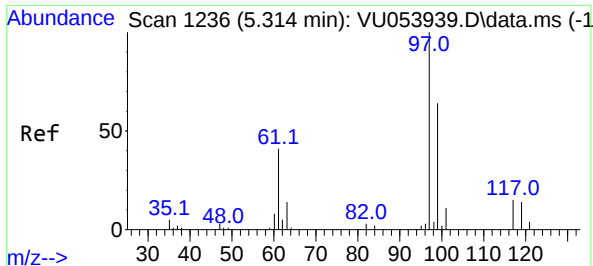
Tgt Ion: 62 Resp: 3847

Ion Ratio Lower Upper

62 100

98 7.4 8.7 13.1#





#29

1,1,1-Trichloroethane

Concen: 41.616 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053958.D

Acq: 28 Apr 2023 00:30

Instrument :

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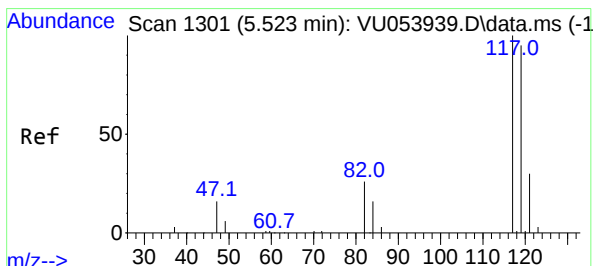
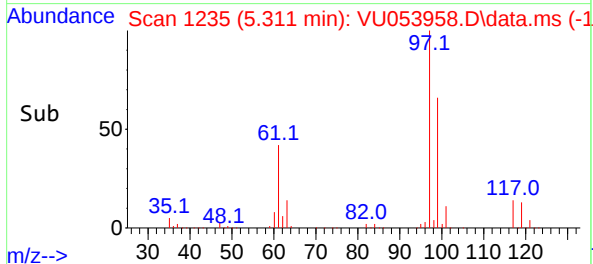
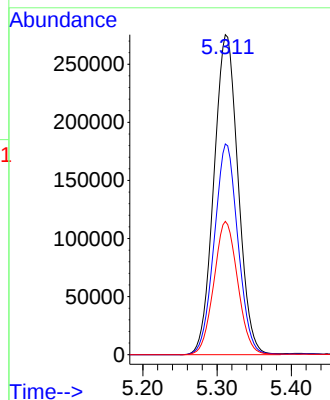
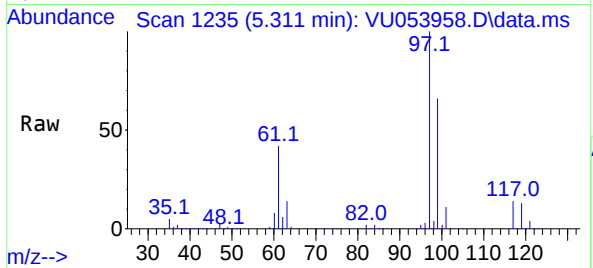
Tgt Ion: 97 Resp: 624005

Ion Ratio Lower Upper

97 100

99 64.6 52.9 79.3

61 41.1 33.8 50.8



#31

Carbon tetrachloride

Concen: 1.156 ug/L

RT: 5.523 min Scan# 1301

Delta R.T. 0.003 min

Lab File: VU053958.D

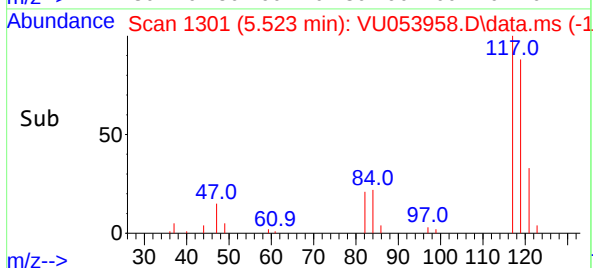
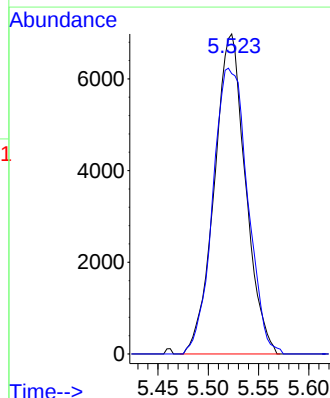
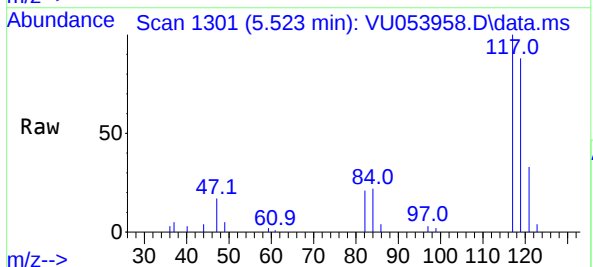
Acq: 28 Apr 2023 00:30

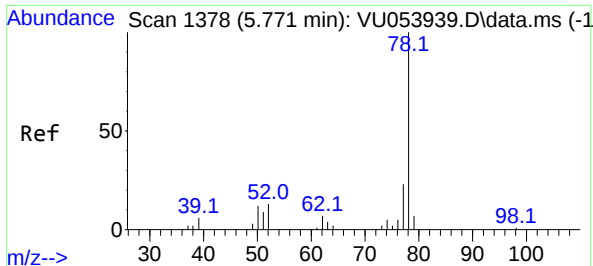
Tgt Ion:117 Resp: 15072

Ion Ratio Lower Upper

117 100

119 99.6 75.0 112.6





Benzene

Concen: 1.085 ug/L

RT: 5.771 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053958.D

Acq: 28 Apr 2023 00:30

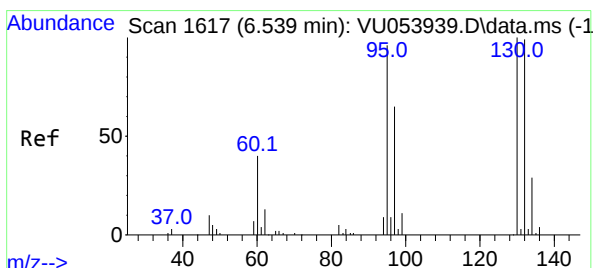
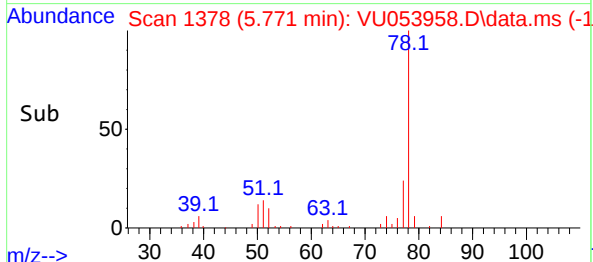
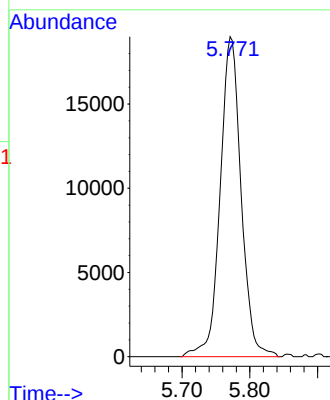
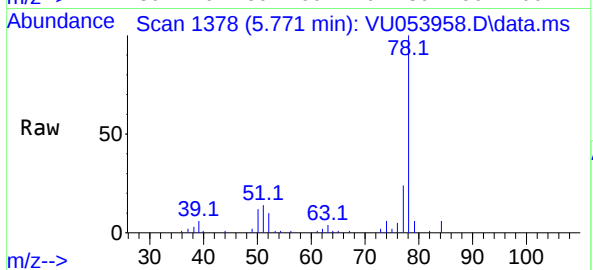
Instrument :

MSVOA_U

ClientSampleId :

HOA37

Tgt Ion: 78 Resp: 40808



Trichloroethene

Concen: 630.336 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU053958.D

Acq: 28 Apr 2023 00:30

Tgt Ion: 95 Resp: 6457861

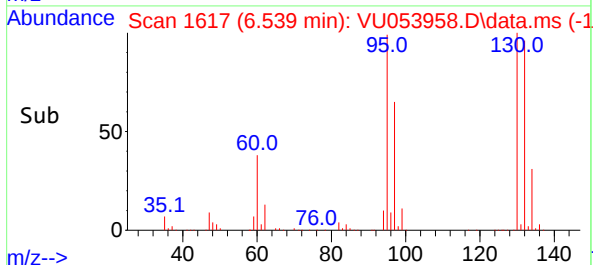
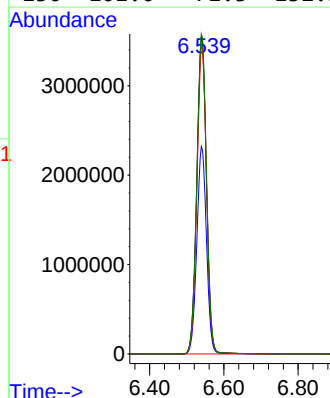
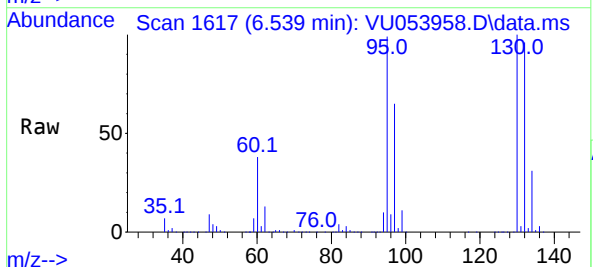
Ion Ratio Lower Upper

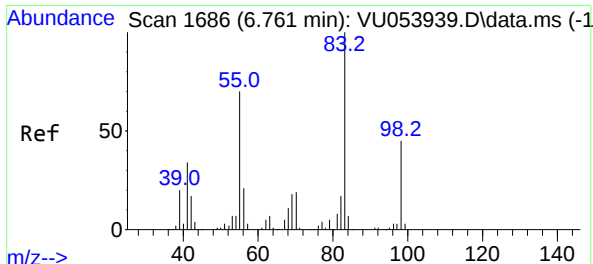
95 100

97 65.4 45.1 83.9

132 97.0 69.9 129.9

130 101.0 71.3 132.3

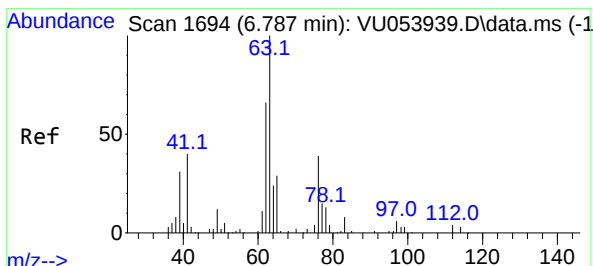
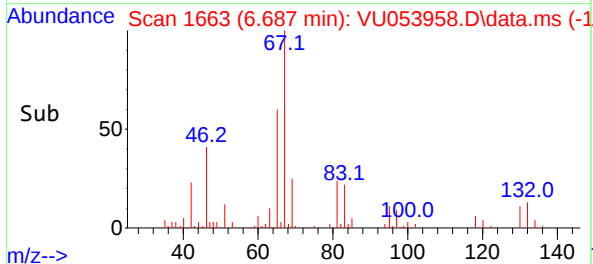
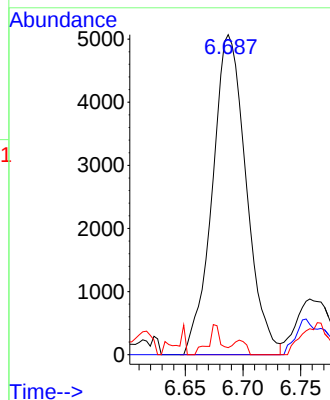
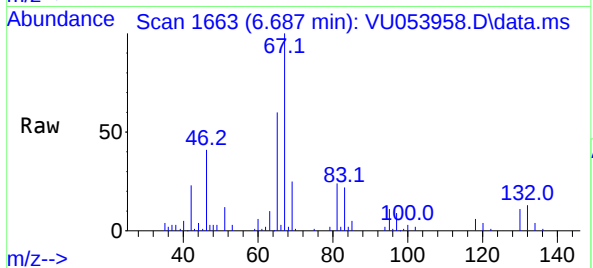




#35
Methylcyclohexane
Concen: 0.654 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.071 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

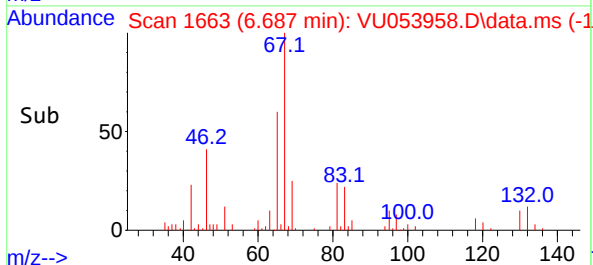
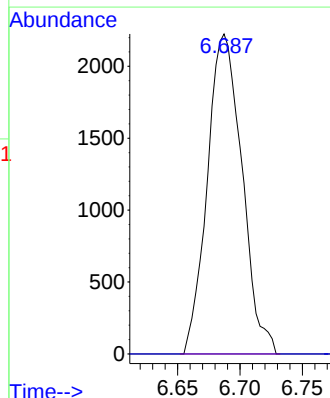
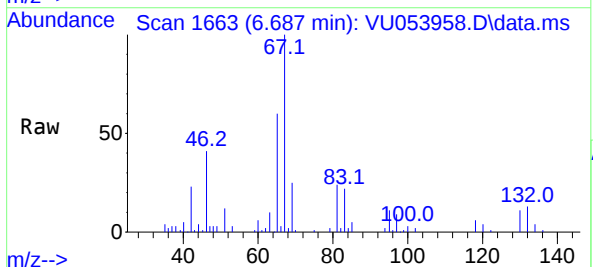
Instrument :
MSVOA_U
ClientSampleId :
HOA37

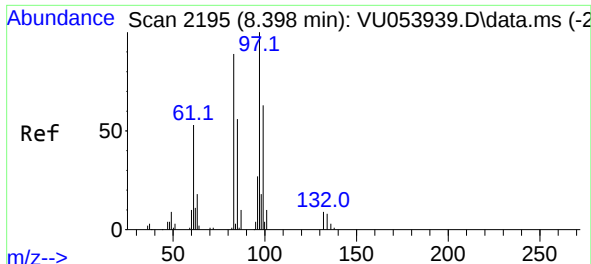
Tgt Ion: 83 Resp: 10354
Ion Ratio Lower Upper
83 100
55 9.6 55.4 83.2#
98 0.0 37.3 55.9#



#37
1,2-Dichloropropane
Concen: 0.462 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.100 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

Tgt Ion: 63 Resp: 4308
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



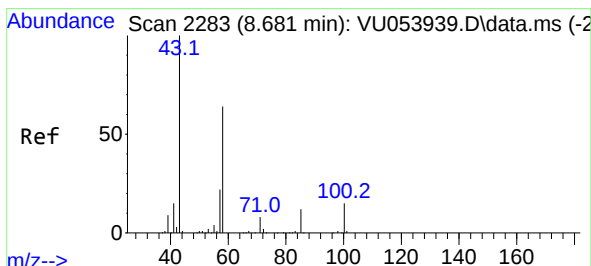
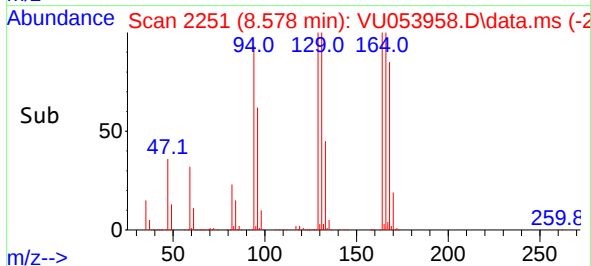
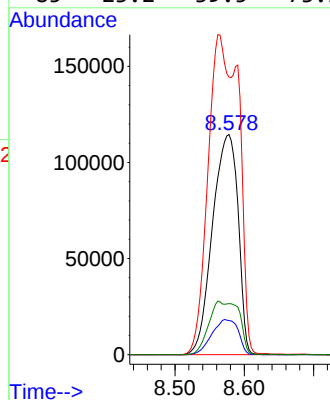
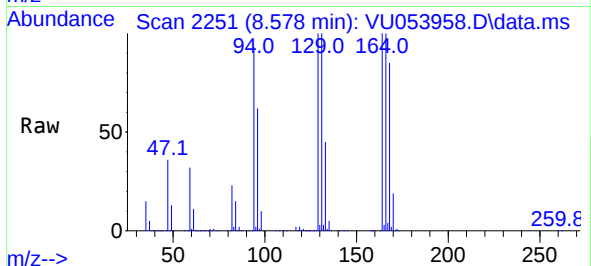


#45
1,1,2-Trichloroethane
Concen: 42.041 ug/L
RT: 8.578 min Scan# 2195
Delta R.T. 0.183 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

Instrument :
MSVOA_U
ClientSampleId :
HOA37

Tgt Ion: 97 Resp: 293920

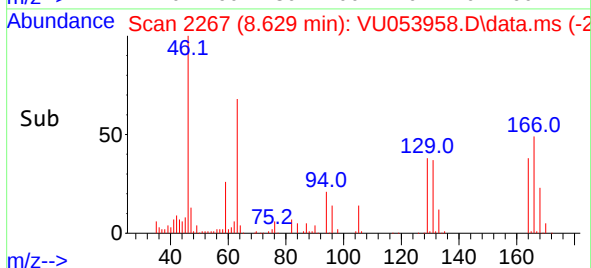
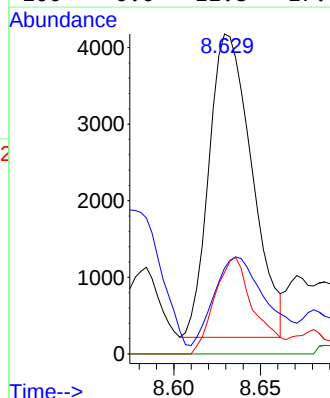
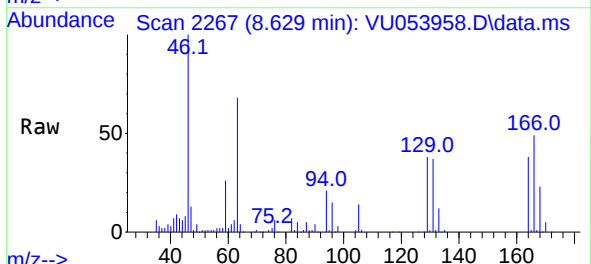
Ion	Ratio	Lower	Upper
97	100		
99	15.5	44.7	83.1#
83	126.1	59.8	111.1#
85	23.2	39.5	73.3#

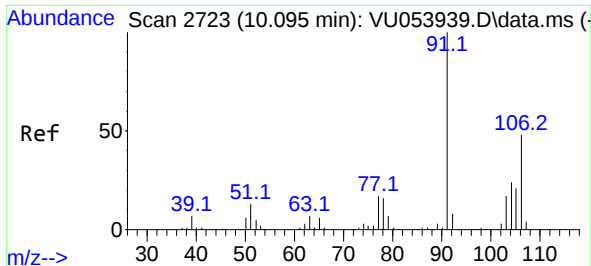


#48
2-Hexanone
Concen: 2.134 ug/L
RT: 8.629 min Scan# 2267
Delta R.T. -0.051 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

Tgt Ion: 43 Resp: 6824

Ion	Ratio	Lower	Upper
43	100		
58	41.0	49.8	74.6#
57	29.4	16.9	25.3#
100	0.0	11.8	17.8#

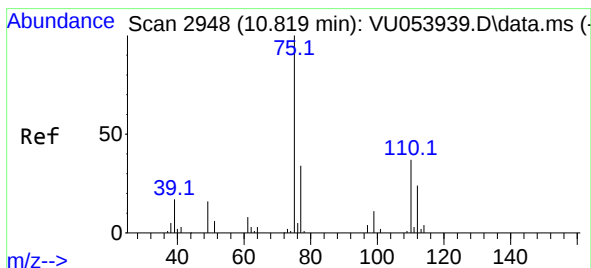
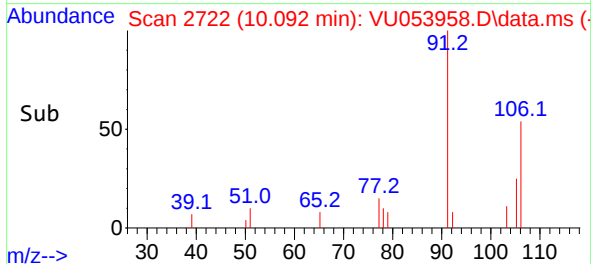
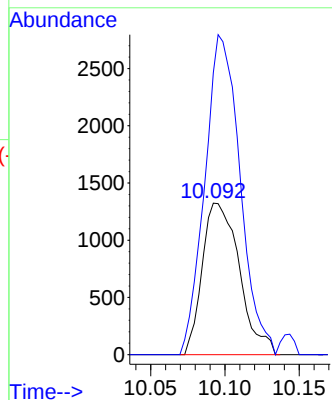
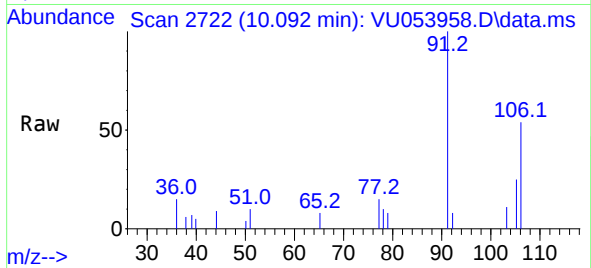




#54
o-Xylene
Concen: 0.142 ug/L
RT: 10.092 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

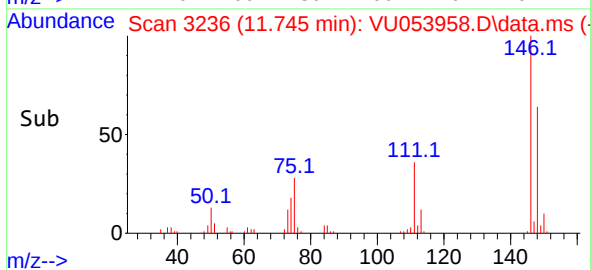
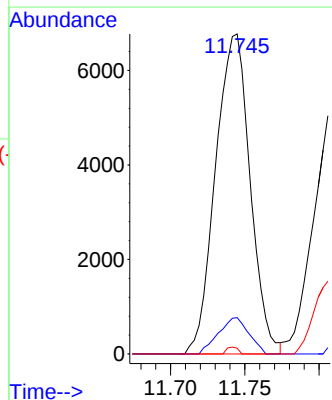
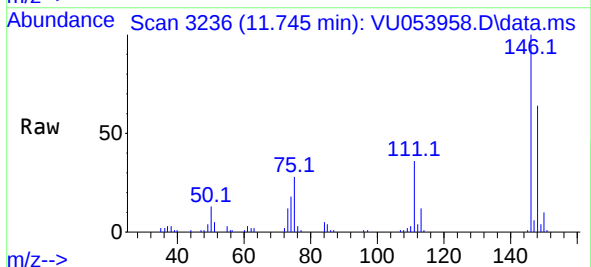
Instrument :
MSVOA_U
ClientSampleId :
HOA37

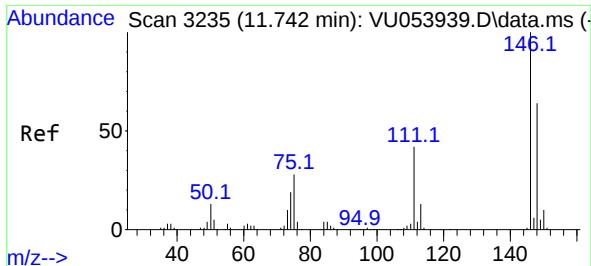
Tgt Ion:106 Resp: 2298
Ion Ratio Lower Upper
106 100
91 186.1 145.5 270.1



#61
1,2,3-Trichloropropane
Concen: 2.137 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.926 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

Tgt Ion: 75 Resp: 10974
Ion Ratio Lower Upper
75 100
110 10.0 30.7 46.1#
77 0.7 26.2 39.4#

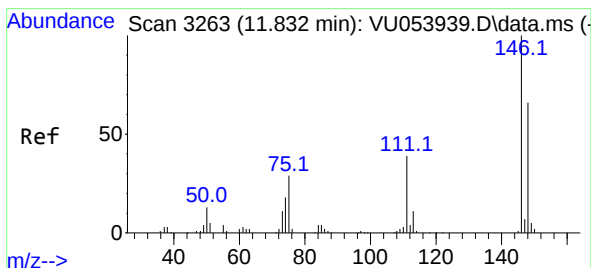
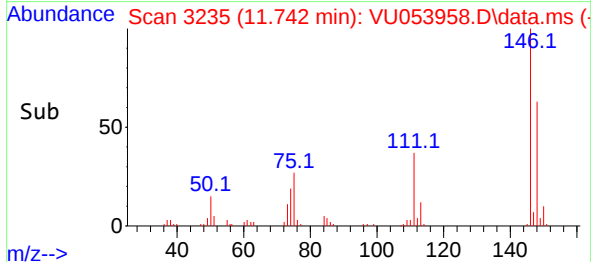
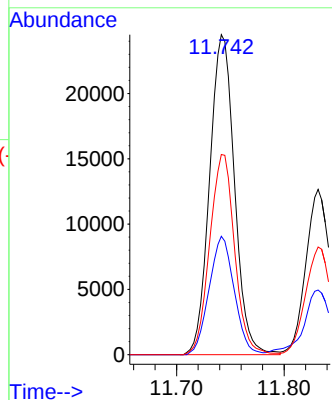
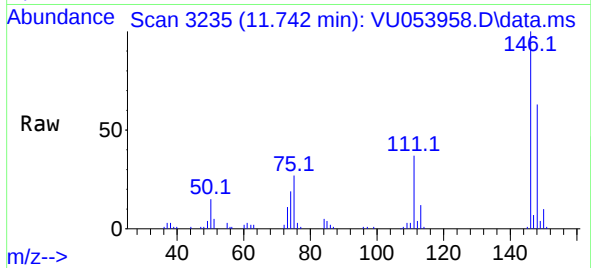




#64
1,3-Dichlorobenzene
Concen: 1.968 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

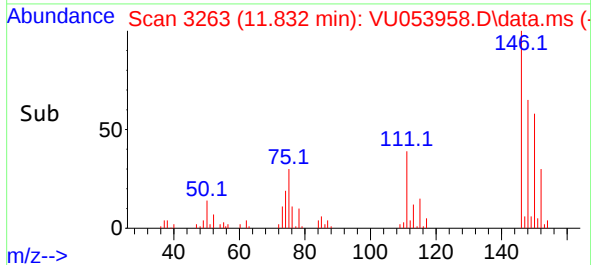
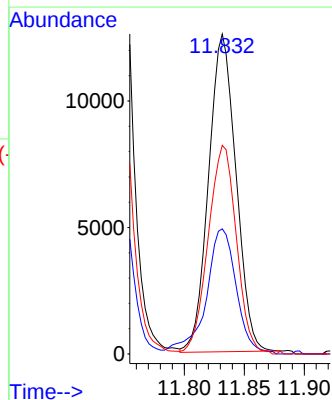
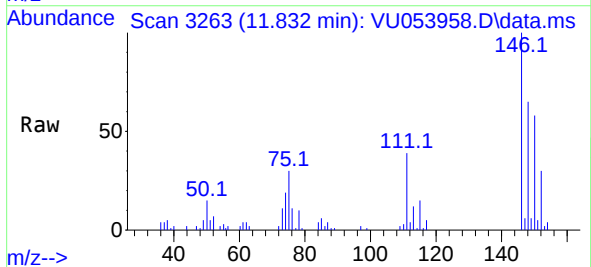
Instrument :
MSVOA_U
ClientSampleId :
HOA37

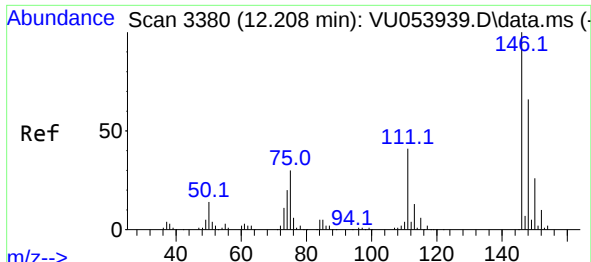
Tgt Ion:146 Resp: 39378
Ion Ratio Lower Upper
146 100
111 37.0 27.9 51.9
148 62.6 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 0.988 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

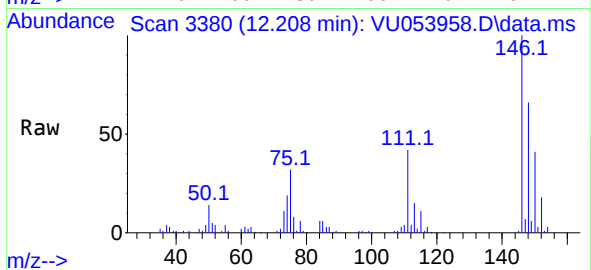
Tgt Ion:146 Resp: 19965
Ion Ratio Lower Upper
146 100
111 39.1 28.3 52.7
148 65.2 45.4 84.2





#67
1,2-Dichlorobenzene
Concen: 2.907 ug/L
RT: 12.208 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

Instrument :
MSVOA_U
ClientSampleId :
HOA37



Tgt Ion:146 Resp: 53711
Ion Ratio Lower Upper
146 100
111 42.1 32.6 49.0
148 65.6 51.0 76.4

