

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055647.D
 Acq On : 03 Oct 2023 18:10
 Operator : MD/SY
 Sample : 04679-09DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 04:45:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 04:40:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	167571	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	172988	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	94444	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	91850	5.423	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.400%
7) Chloroethane-d5	1.911	69	72949	4.888	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.567	65	35714	5.123	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.400%
20) 2-Butanone-d5	4.631	46	139870	45.723	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.440%
24) Chloroform-d	5.062	84	150523	4.914	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.701	65	73050	4.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.724	84	301919	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.689	67	92199	5.100	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.898	98	259603	4.707	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	8.177	79	31432	4.954	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.631	63	81318	42.138	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.280%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	64095	4.731	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	89750	4.708	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	11618	0.750	ug/L	83
12) 1,1-Dichloroethene	2.576	96	2323	0.198	ug/L #	1
16) Methylene chloride	3.042	84	36538	2.603	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	5459	0.462	ug/L	91
19) 1,1-Dichloroethane	3.866	63	149467	6.844	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	55109	4.025	ug/L	96
27) 1,2-Dichloroethane	5.795	62	23428	1.652	ug/L	95
33) Benzene	5.775	78	41162	0.827	ug/L	100
34) Trichloroethene	6.547	95	8645	0.614	ug/L	96
37) 1,2-Dichloropropane	6.689	63	10156	0.780	ug/L #	92
47) Tetrachloroethene	8.547	164	1801	0.178	ug/L #	74
48) 2-Hexanone	8.688	43	17493	3.821	ug/L #	88
49) Dibromochloromethane	8.557	129	1540	0.161	ug/L #	9
51) Chlorobenzene	9.444	112	54113	1.591	ug/L	98
61) 1,2,3-Trichloropropane	11.746	75	1850	0.251	ug/L #	49
64) 1,3-Dichlorobenzene	11.749	146	5531	0.212	ug/L	95
65) 1,4-Dichlorobenzene	11.836	146	12081	0.464	ug/L	95

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QLast Update : Wed Oct 04 04:40:48 2023
Response via : Initial Calibration

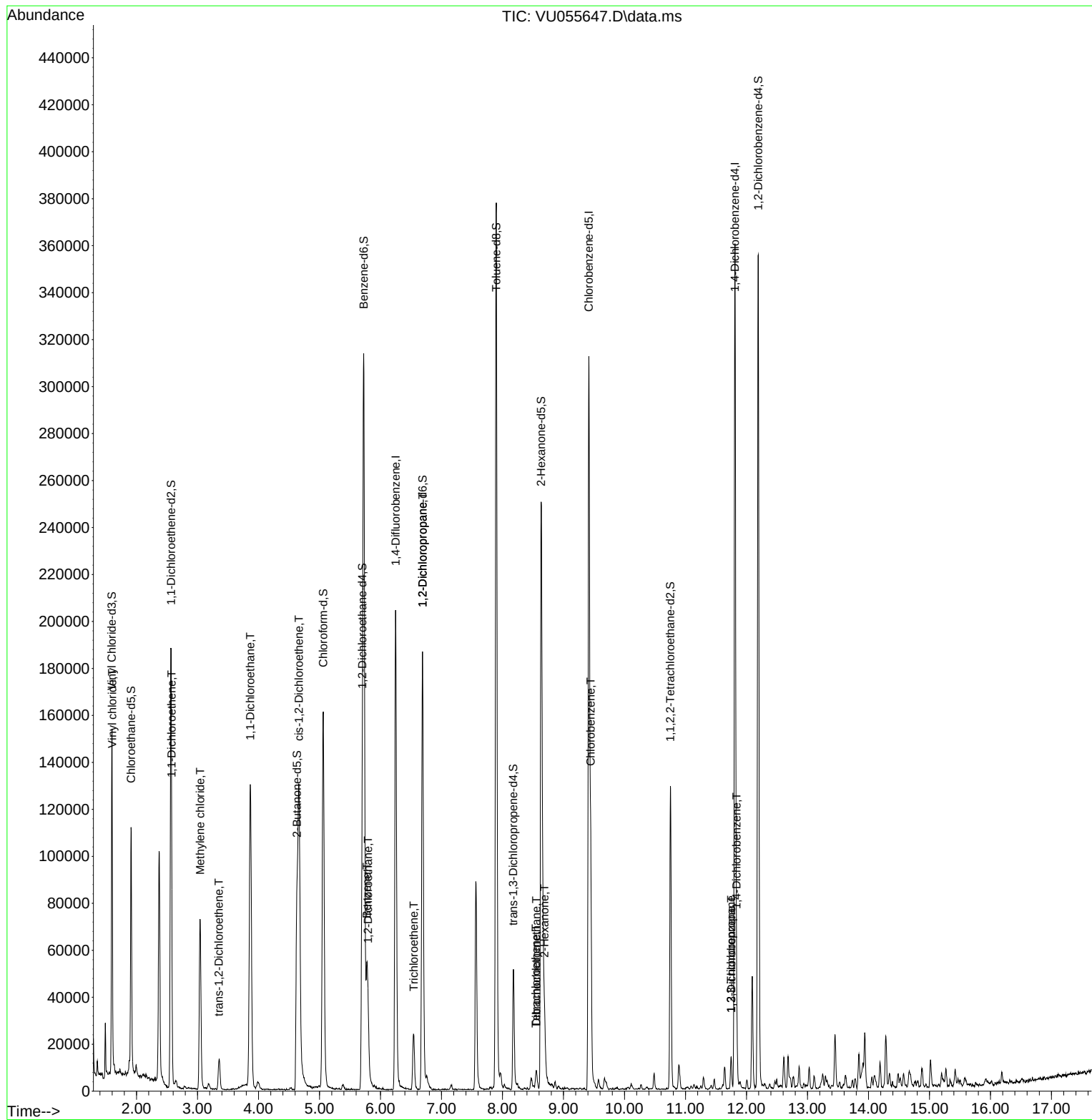
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

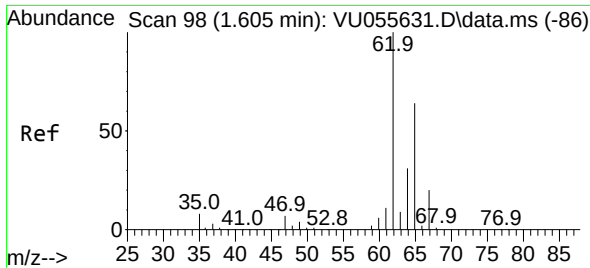
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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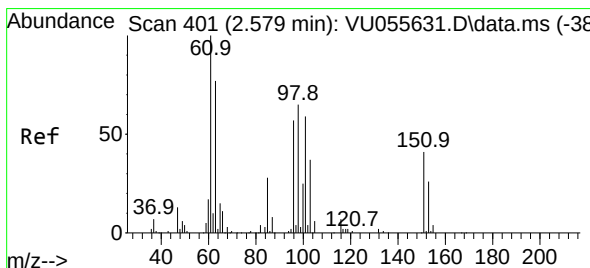
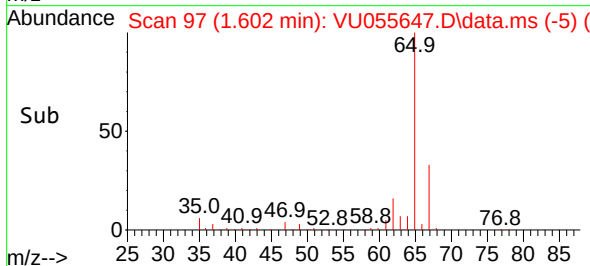
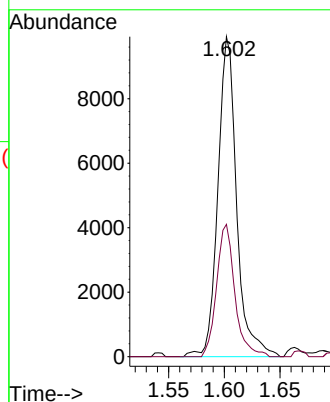
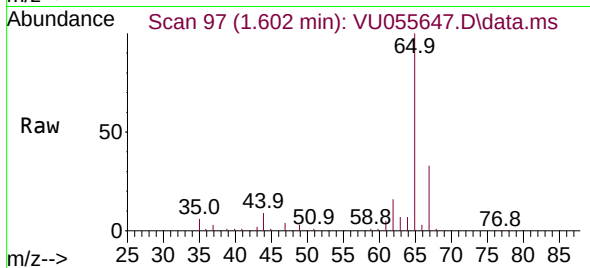




#5
 Vinyl chloride
 Concen: 0.750 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055647.D
 Acq: 03 Oct 2023 18:10

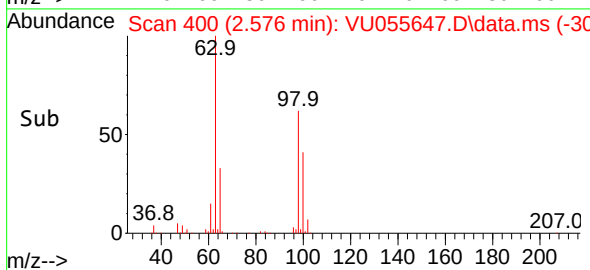
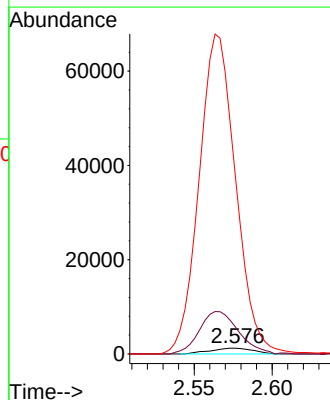
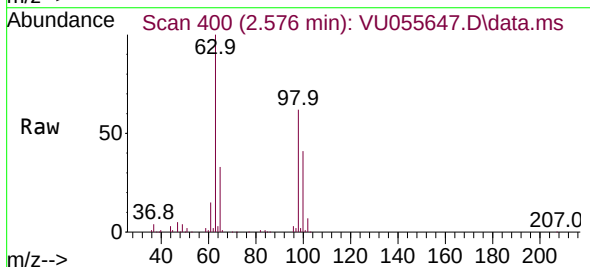
Instrument :
 MSVOA_U
 ClientSampleId :

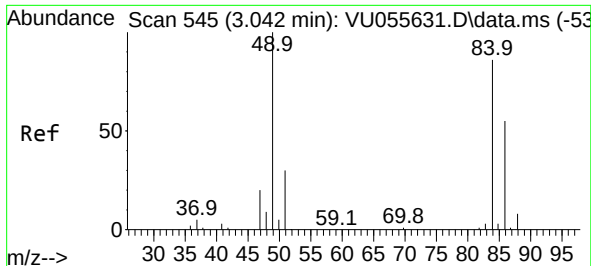
Tgt Ion: 62 Resp: 11618
 Ion Ratio Lower Upper
 62 100
 64 41.4 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 0.198 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU055647.D
 Acq: 03 Oct 2023 18:10

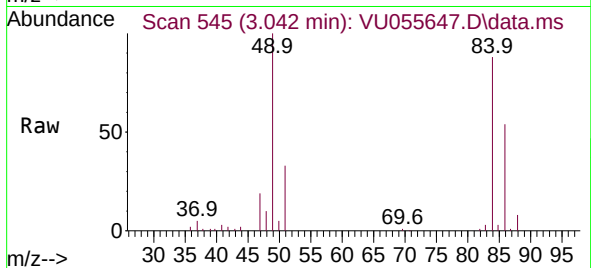
Tgt Ion: 96 Resp: 2323
 Ion Ratio Lower Upper
 96 100
 61 474.8 114.5 212.7#
 63 3137.2 98.3 182.5#



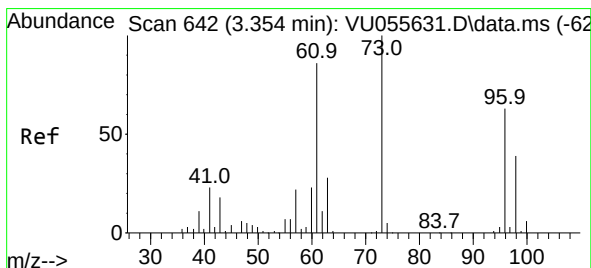
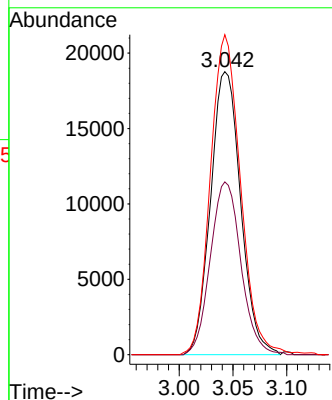
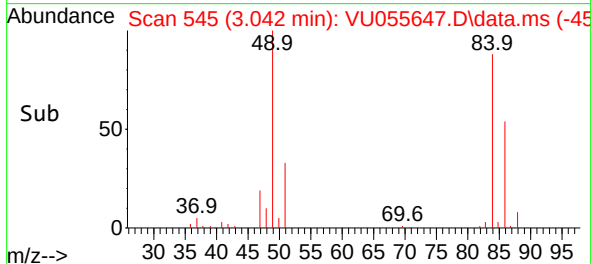


#16
Methylene chloride
Concen: 2.603 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

Instrument :
MSVOA_U
ClientSampleId :

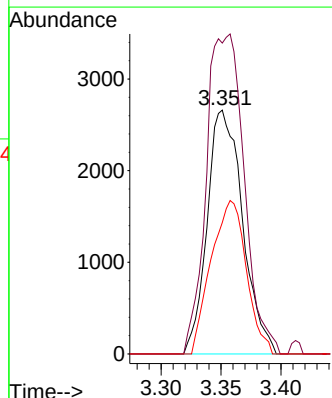
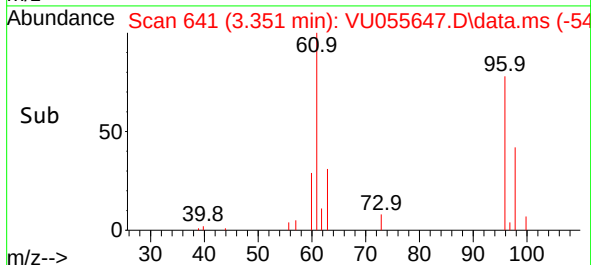
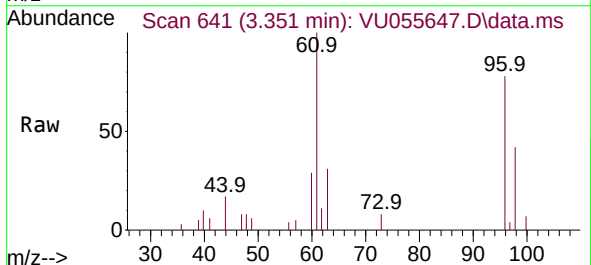


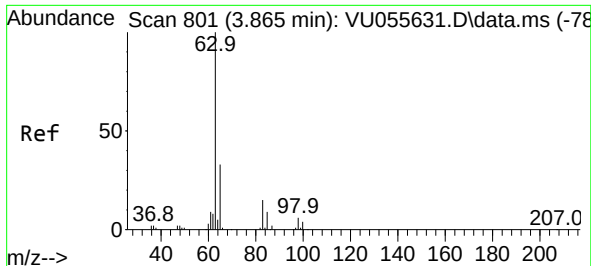
Tgt Ion: 84 Resp: 36538
Ion Ratio Lower Upper
84 100
86 61.0 44.9 83.3
49 113.0 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 0.462 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

Tgt Ion: 96 Resp: 5459
Ion Ratio Lower Upper
96 100
61 127.5 94.6 175.6
98 53.9 45.7 84.9





#19

1,1-Dichloroethane

Concen: 6.844 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

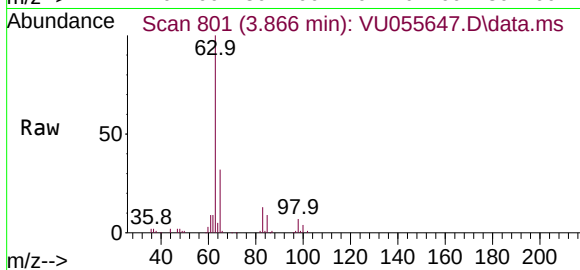
Lab File: VU055647.D

Acq: 03 Oct 2023 18:10

Instrument :

MSVOA_U

ClientSampleId :



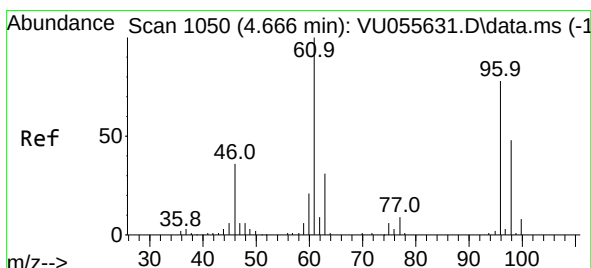
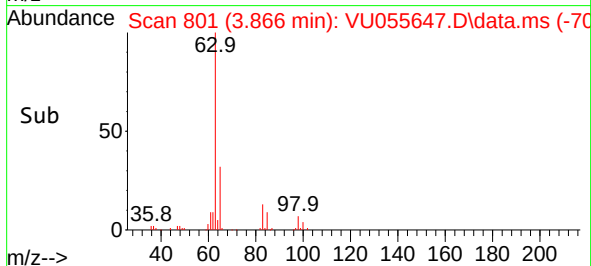
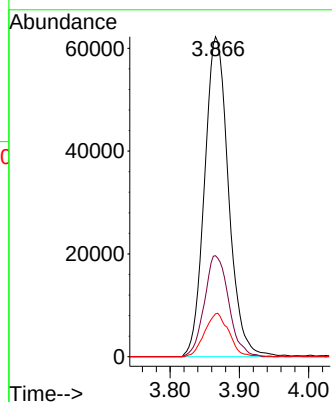
Tgt Ion: 63 Resp: 149467

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 13.4 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 4.025 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU055647.D

Acq: 03 Oct 2023 18:10

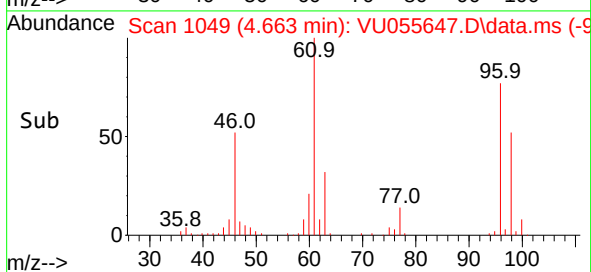
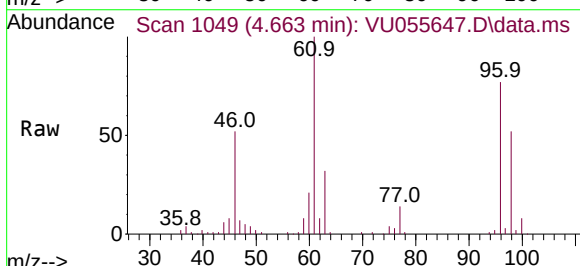
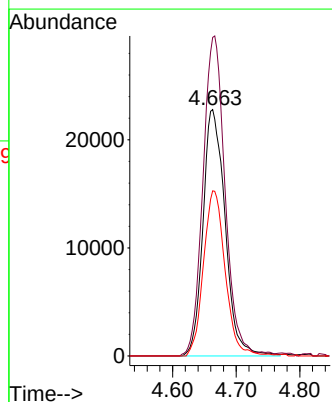
Tgt Ion: 96 Resp: 55109

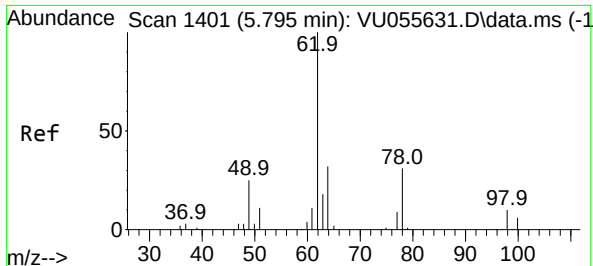
Ion Ratio Lower Upper

96 100

61 129.3 87.8 163.2

98 67.0 44.4 82.4

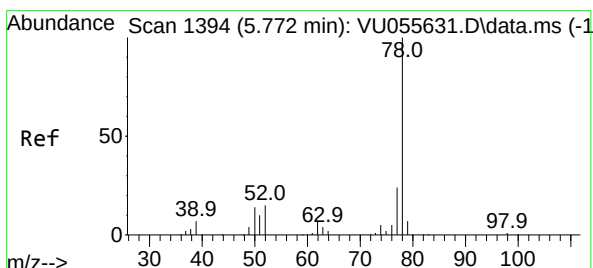
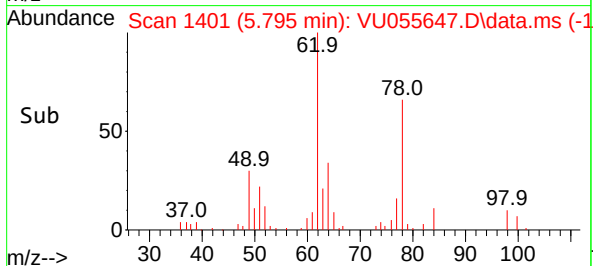
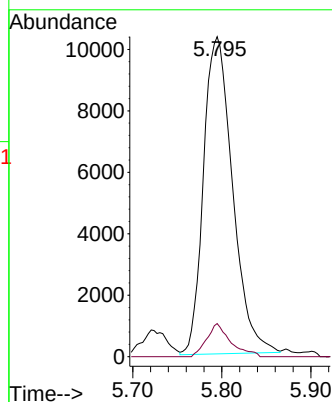
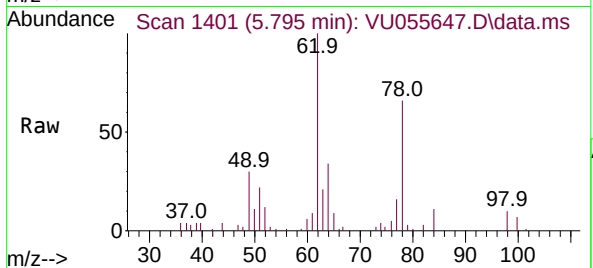




#27
1,2-Dichloroethane
Concen: 1.652 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

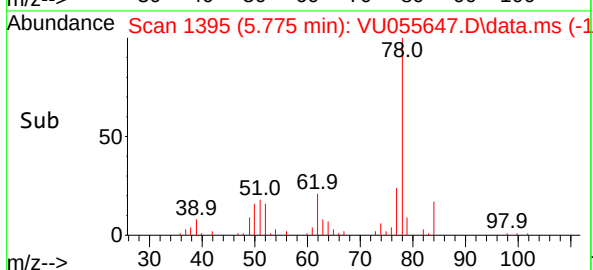
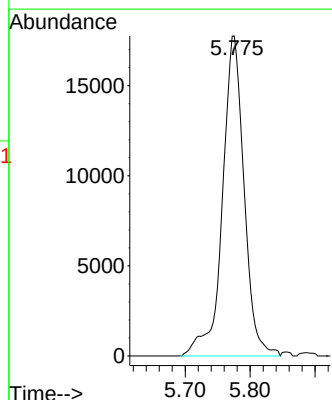
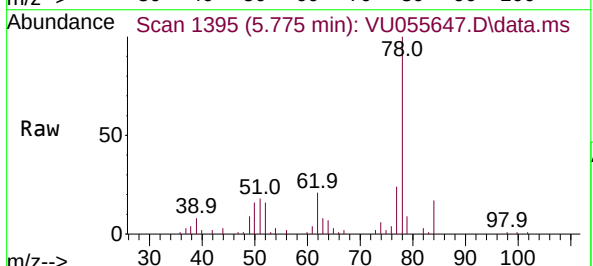
Instrument :
MSVOA_U
ClientSampleId :

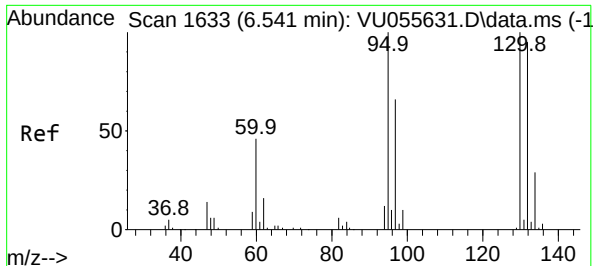
Tgt Ion: 62 Resp: 23428
Ion Ratio Lower Upper
62 100
98 10.4 7.0 10.4



#33
Benzene
Concen: 0.827 ug/L
RT: 5.775 min Scan# 1395
Delta R.T. 0.003 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

Tgt Ion: 78 Resp: 41162





#34

Trichloroethene

Concen: 0.614 ug/L

RT: 6.547 min Scan# 1

Delta R.T. 0.007 min

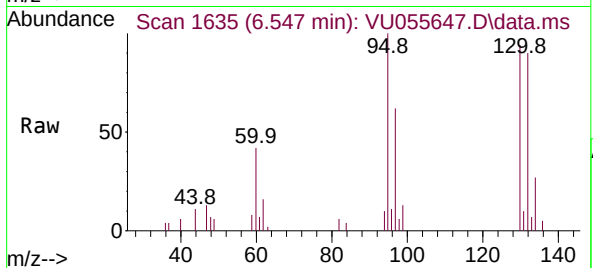
Lab File: VU055647.D

Acq: 03 Oct 2023 18:10

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 8645

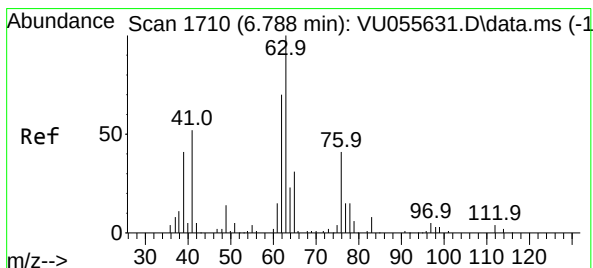
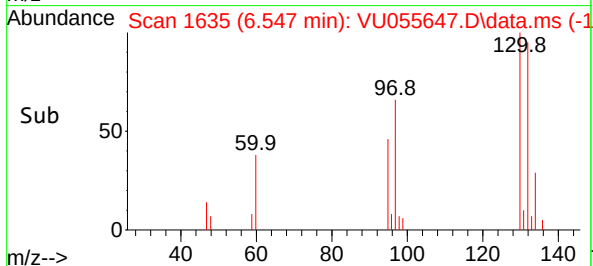
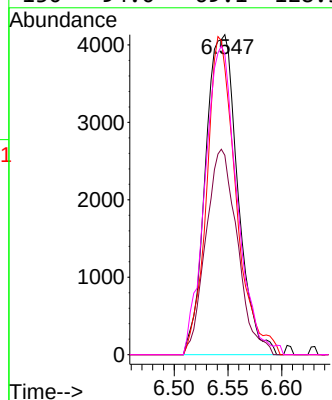
Ion Ratio Lower Upper

95 100

97 62.3 45.4 84.2

132 89.6 65.2 121.2

130 94.0 69.1 128.3



#37

1,2-Dichloropropane

Concen: 0.780 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.100 min

Lab File: VU055647.D

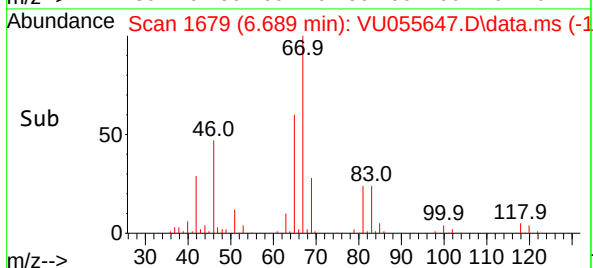
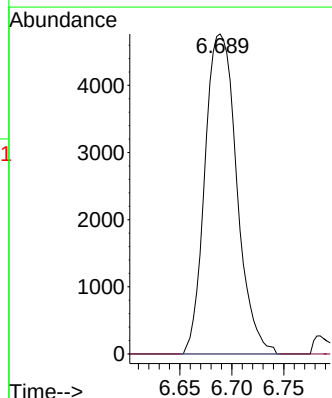
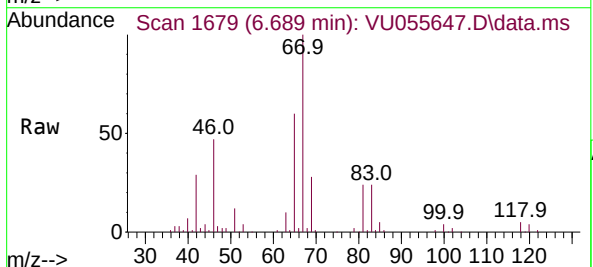
Acq: 03 Oct 2023 18:10

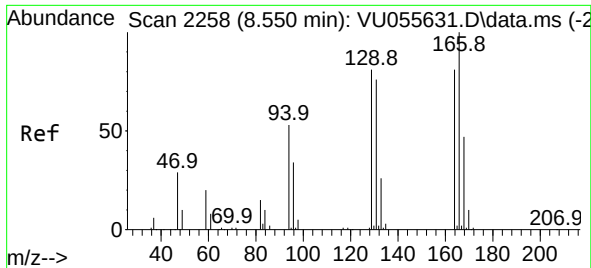
Tgt Ion: 63 Resp: 10156

Ion Ratio Lower Upper

63 100

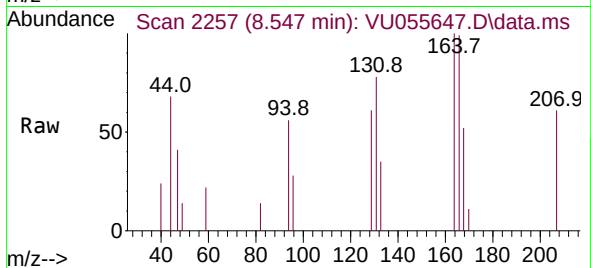
112 1.0 3.0 4.6#



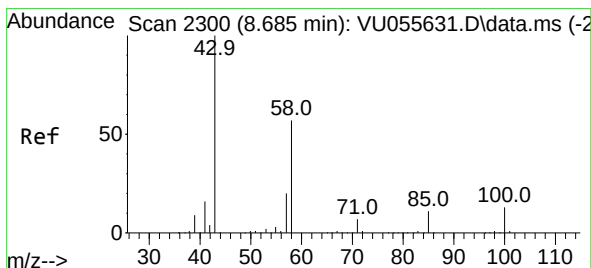
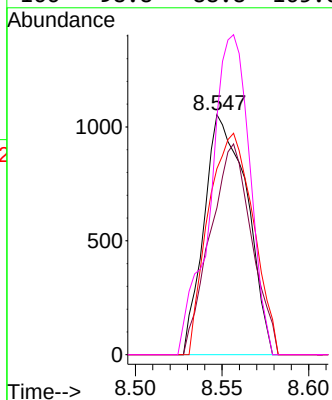
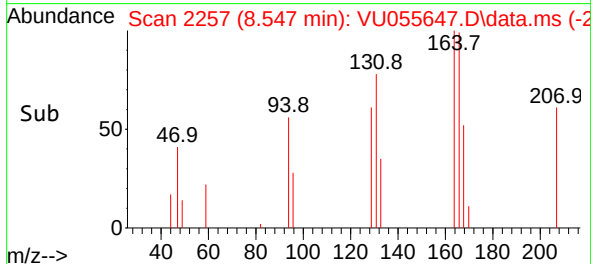


#47
Tetrachloroethene
Concen: 0.178 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

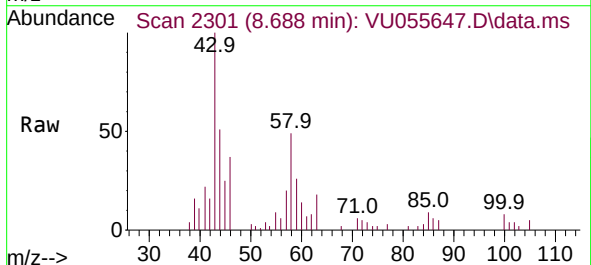
Instrument :
MSVOA_U
ClientSampleId :



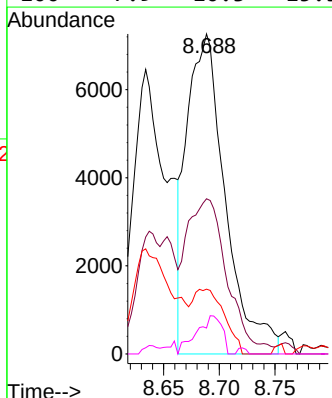
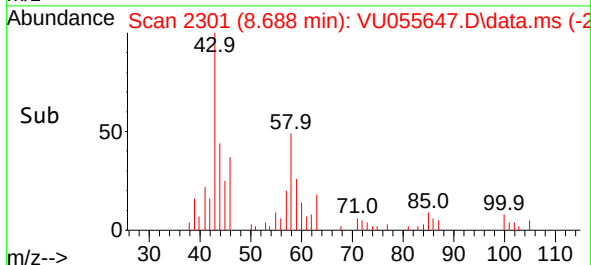
Tgt Ion:164 Resp: 1801
Ion Ratio Lower Upper
164 100
129 61.2 67.4 125.2#
131 77.5 66.4 123.2
166 98.8 88.8 165.0

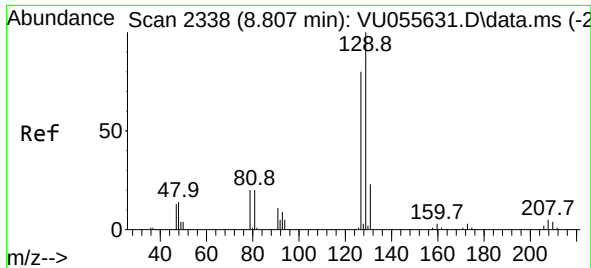


#48
2-Hexanone
Concen: 3.821 ug/L
RT: 8.688 min Scan# 2301
Delta R.T. 0.003 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10



Tgt Ion: 43 Resp: 17493
Ion Ratio Lower Upper
43 100
58 51.5 48.5 72.7
57 16.3 17.0 25.4#
100 7.9 10.3 15.5#

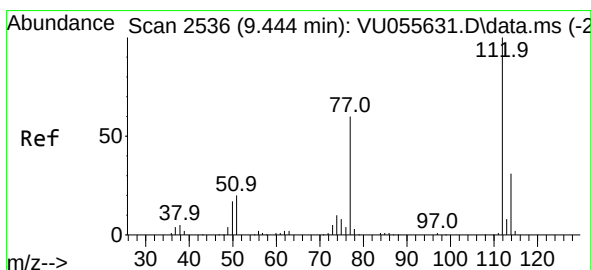
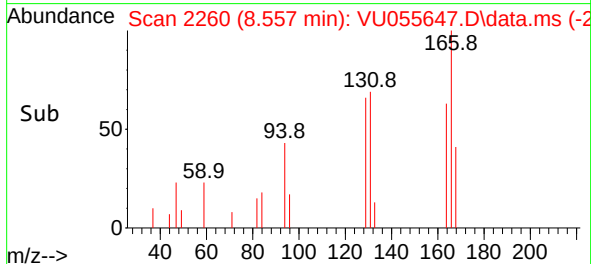
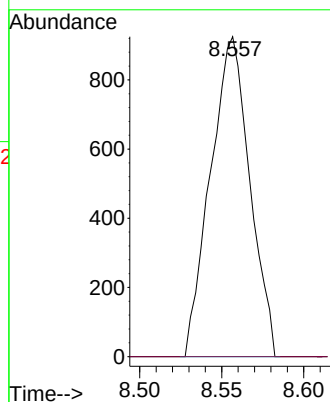
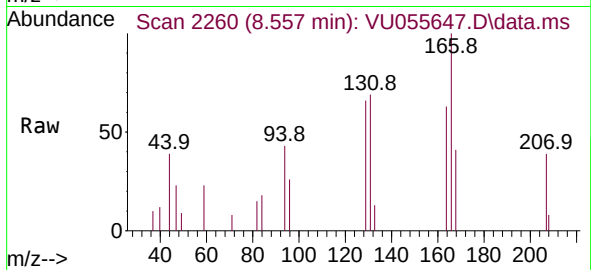




#49
Dibromochloromethane
Concen: 0.161 ug/L
RT: 8.557 min Scan# 21
Delta R.T. -0.251 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

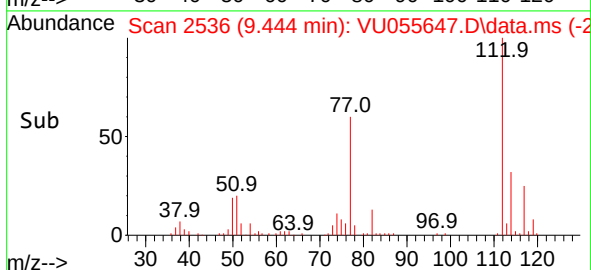
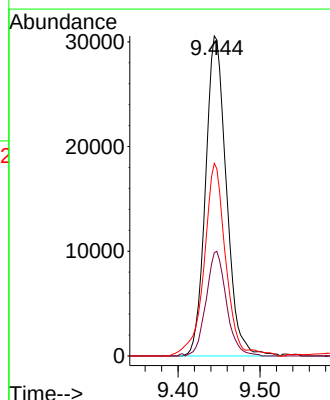
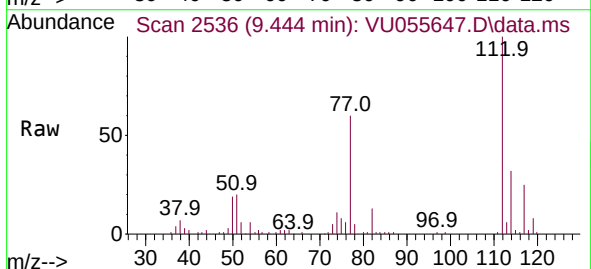
Instrument :
MSVOA_U
ClientSampleId :

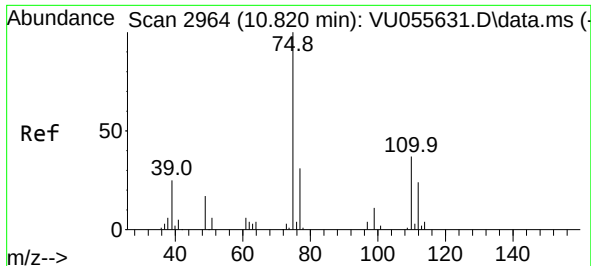
Tgt Ion:129 Resp: 1540
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#



#51
Chlorobenzene
Concen: 1.591 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

Tgt Ion:112 Resp: 54113
Ion Ratio Lower Upper
112 100
114 32.3 22.0 40.8
77 60.2 46.9 70.3

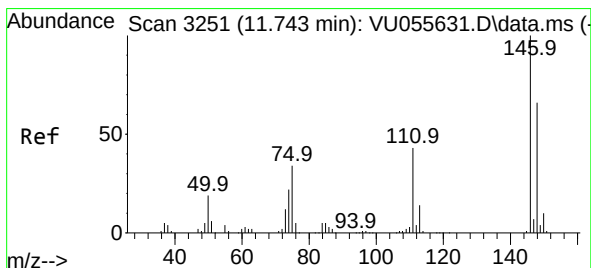
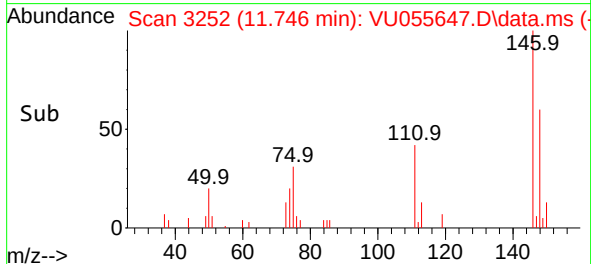
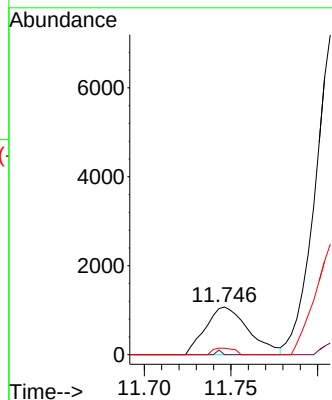
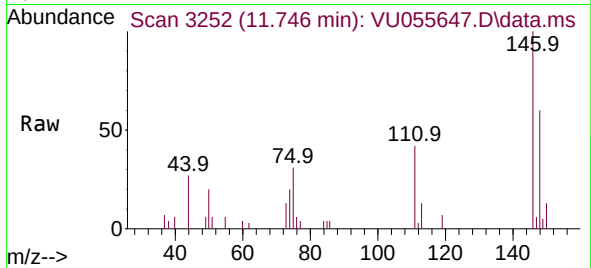




#61
1,2,3-Trichloropropane
Concen: 0.251 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

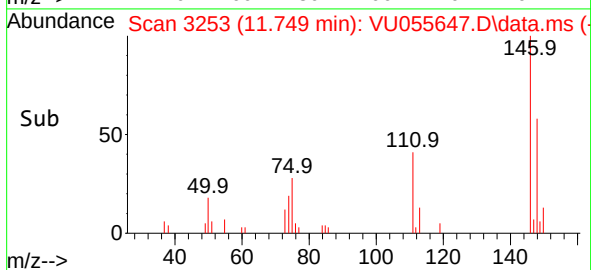
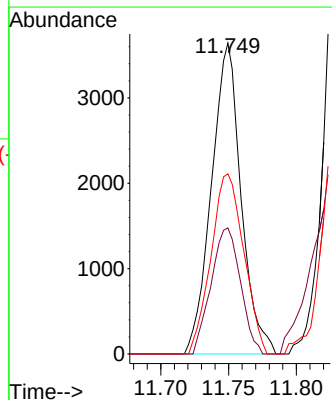
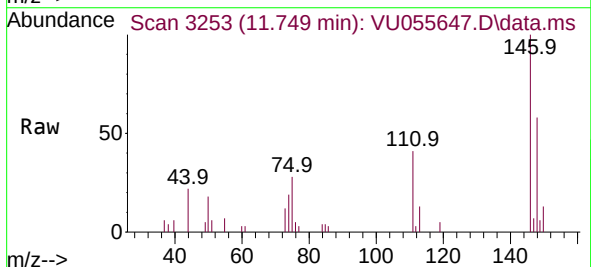
Instrument :
MSVOA_U
ClientSampleId :

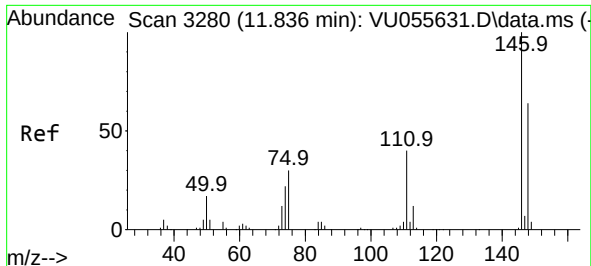
Tgt Ion: 75 Resp: 1850
Ion Ratio Lower Upper
75 100
110 1.1 30.6 45.8#
77 55.4 26.7 40.1#



#64
1,3-Dichlorobenzene
Concen: 0.212 ug/L
RT: 11.749 min Scan# 3253
Delta R.T. 0.007 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

Tgt Ion:146 Resp: 5531
Ion Ratio Lower Upper
146 100
111 40.6 28.8 53.6
148 57.9 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 0.464 ug/L

RT: 11.836 min Scan# 31

Delta R.T. 0.000 min

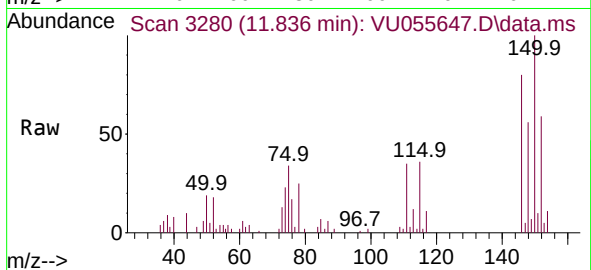
Lab File: VU055647.D

Acq: 03 Oct 2023 18:10

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 12081

Ion Ratio Lower Upper

146 100

111 43.5 29.0 53.8

148 70.0 45.4 84.4

