

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056955.D
 Acq On : 17 Dec 2023 04:41
 Operator : MD/SY
 Sample : 05811-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 00:36:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 18 00:34:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	270602	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	275881	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	107599	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	58125	2.506	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	50.200%
7) Chloroethane-d5	1.907	69	56615	3.262	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.200%
11) 1,1-Dichloroethene-d2	2.560	65	29594	2.982	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.600%#
20) 2-Butanone-d5	4.621	46	204441	44.631	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.260%
24) Chloroform-d	5.055	84	161223	3.671	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.400%
26) 1,2-Dichloroethane-d4	5.695	65	82779	3.983	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
32) Benzene-d6	5.721	84	295156	3.449	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.000%#
36) 1,2-Dichloropropane-d6	6.685	67	99594	3.719	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.400%
41) Toluene-d8	7.894	98	227125	2.970	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.400%#
43) trans-1,3-Dichloroprop...	8.177	79	33915	3.265	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.400%
46) 2-Hexanone-d5	8.630	63	156038	39.832	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.660%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	77859	4.018	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	80737	3.817	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	5496	0.197	ug/L	94
5) Vinyl chloride	1.599	62	20302	0.733	ug/L #	68
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	55814	2.332	ug/L	99
12) 1,1-Dichloroethene	2.576	96	9350	0.426	ug/L #	1
17) Methyl tert-butyl Ether	3.357	73	9080	0.186	ug/L #	86
18) trans-1,2-Dichloroethene	3.348	96	8938	0.401	ug/L	82
19) 1,1-Dichloroethane	3.862	63	19748	0.461	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	273477	11.285	ug/L	96
27) 1,2-Dichloroethane	5.791	62	16633	0.627	ug/L #	93
34) Trichloroethene	6.534	95	274016	10.303	ug/L	98
35) Methylcyclohexane	6.685	83	23069	0.588	ug/L #	18
37) 1,2-Dichloropropane	6.785	63	6764	0.273	ug/L #	93
47) Tetrachloroethene	8.550	164	11282	0.606	ug/L	94
49) Dibromochloromethane	8.547	129	11543	0.599	ug/L #	11
51) Chlorobenzene	9.444	112	61252	0.958	ug/L	97
61) 1,2,3-Trichloropropane	11.743	75	3134	0.271	ug/L #	47
64) 1,3-Dichlorobenzene	11.746	146	9186	0.228	ug/L	92
65) 1,4-Dichlorobenzene	11.833	146	18699	0.472	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	23218	0.634	ug/L	94

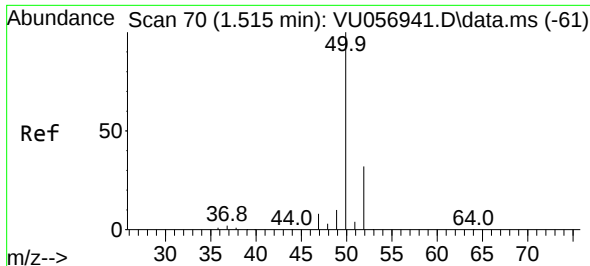
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
Data File : VU056955.D
Acq On : 17 Dec 2023 04:41
Operator : MD/SY
Sample : 05811-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 18 00:36:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Dec 18 00:34:01 2023
Response via : Initial Calibration

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

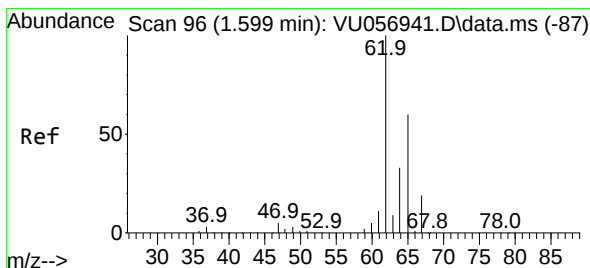
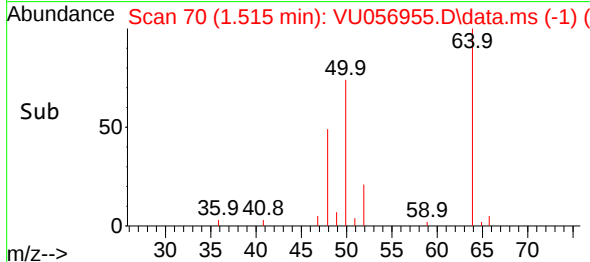
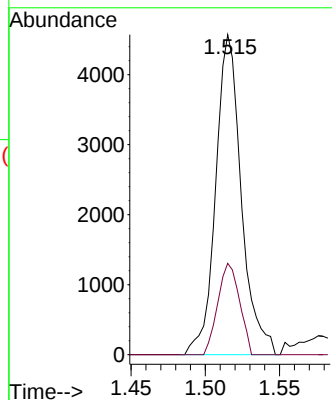
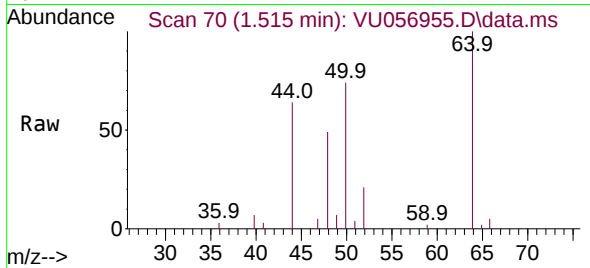
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.197 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

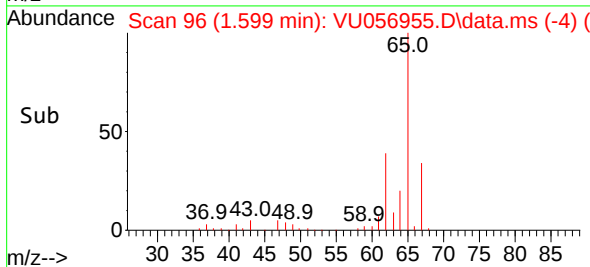
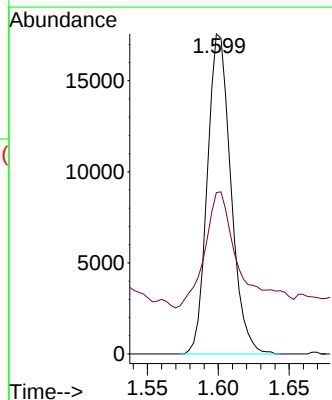
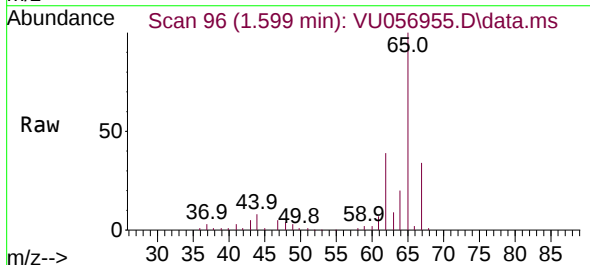
Instrument :
MSVOA_U
ClientSampleId :

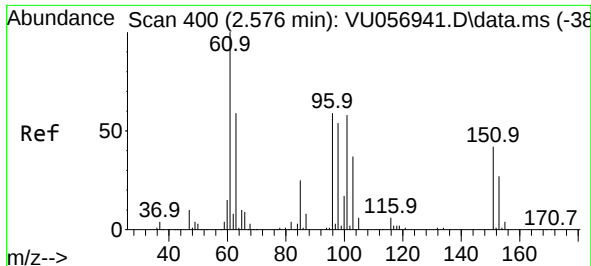
Tgt Ion: 50 Resp: 5496
Ion Ratio Lower Upper
50 100
52 28.6 22.5 41.7



#5
Vinyl chloride
Concen: 0.733 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

Tgt Ion: 62 Resp: 20302
Ion Ratio Lower Upper
62 100
64 50.4 22.8 42.4#

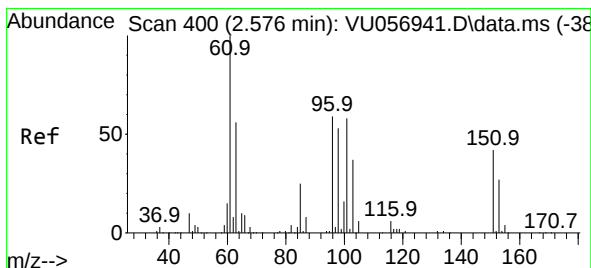
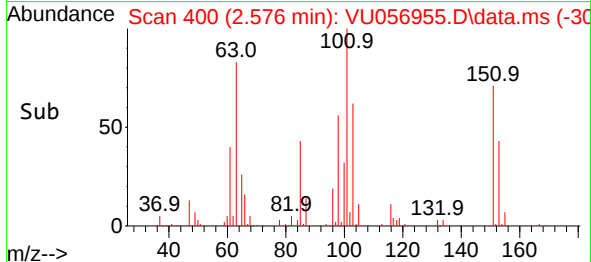
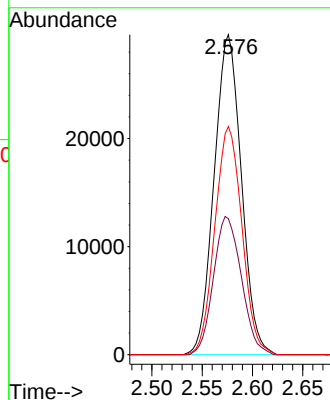
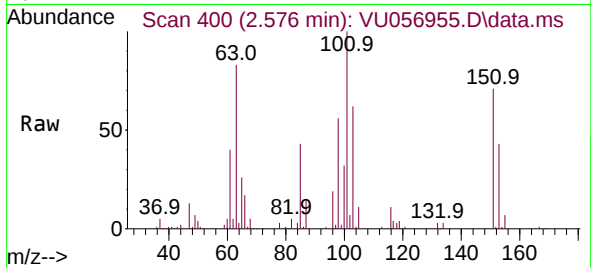




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.332 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056955.D
 Acq: 17 Dec 2023 04:41

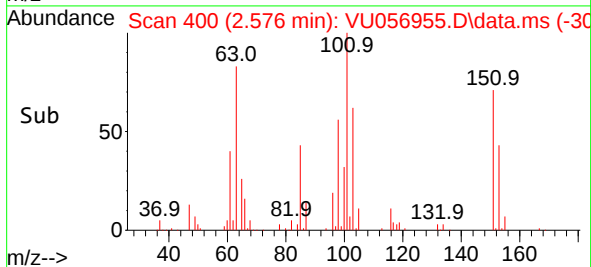
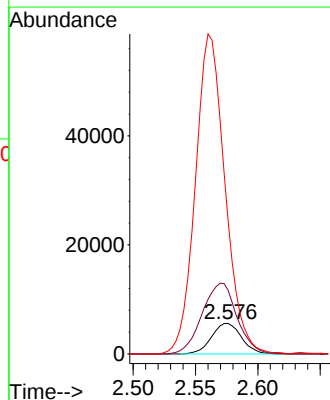
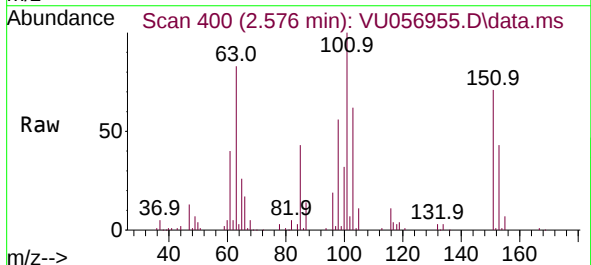
Instrument :
 MSVOA_U
 ClientSampleId :

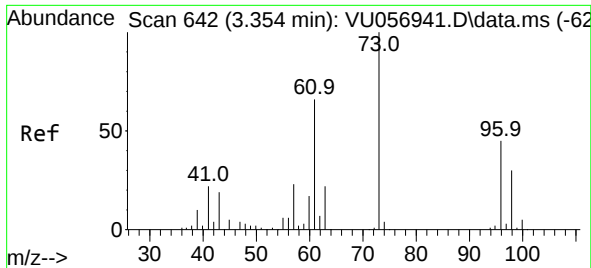
Tgt Ion:101 Resp: 55814
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.2 52.8
 151 71.0 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 0.426 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056955.D
 Acq: 17 Dec 2023 04:41

Tgt Ion: 96 Resp: 9350
 Ion Ratio Lower Upper
 96 100
 61 209.2 119.0 221.0
 63 440.3 88.7 164.7#

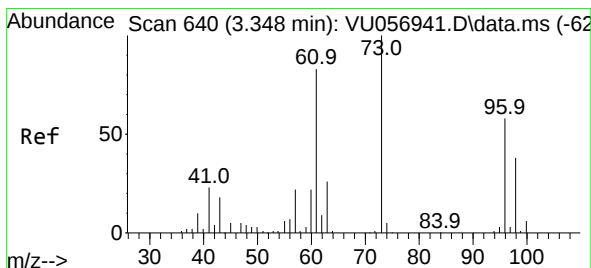
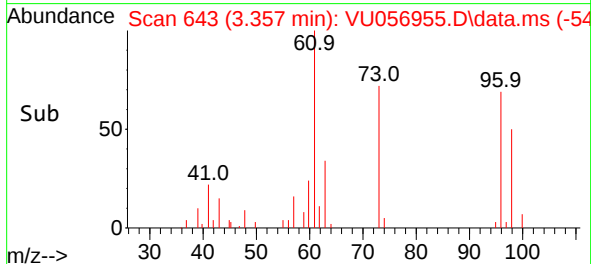
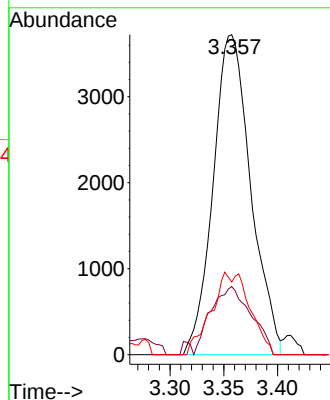
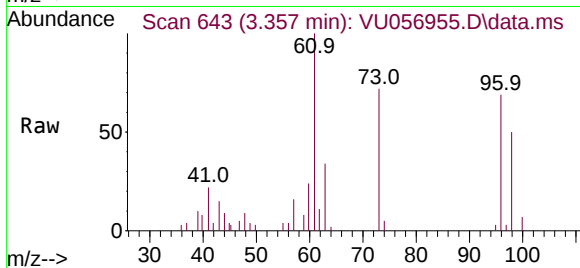




#17
Methyl tert-butyl Ether
Concen: 0.186 ug/L
RT: 3.357 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

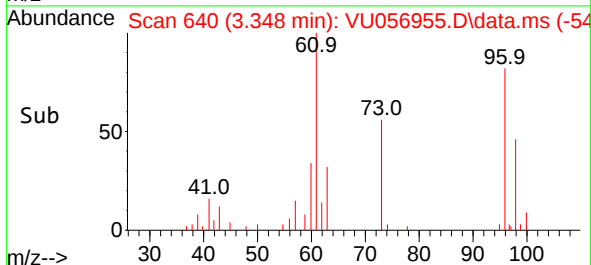
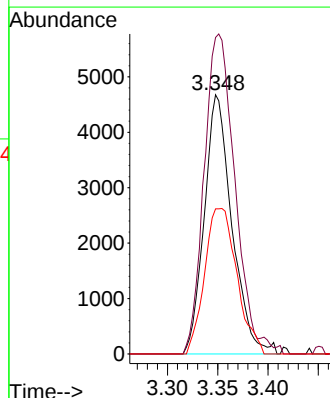
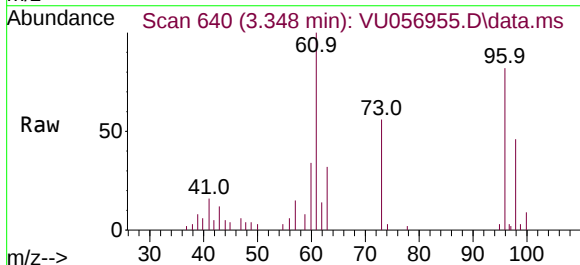
Instrument :
MSVOA_U
ClientSampleId :

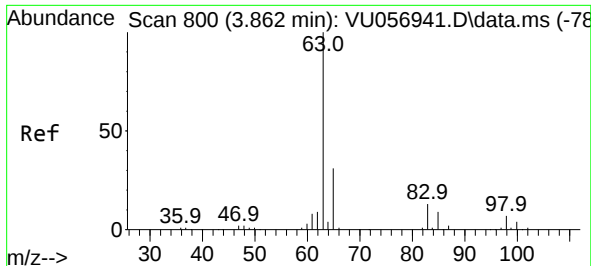
Tgt Ion: 73 Resp: 9080
Ion Ratio Lower Upper
73 100
43 22.8 14.4 21.6#
57 14.6 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 0.401 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

Tgt Ion: 96 Resp: 8938
Ion Ratio Lower Upper
96 100
61 118.3 101.8 189.0
98 54.3 43.0 79.8

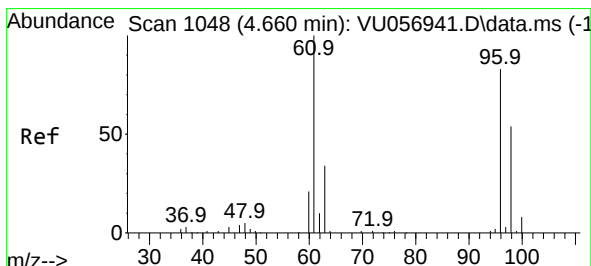
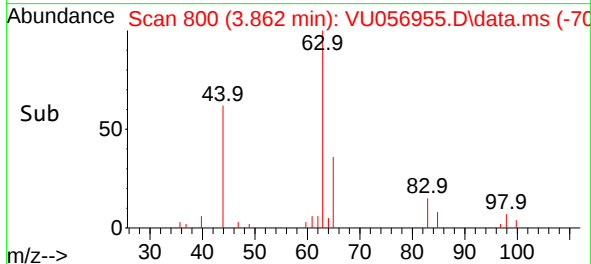
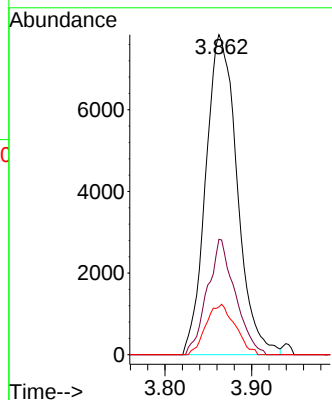
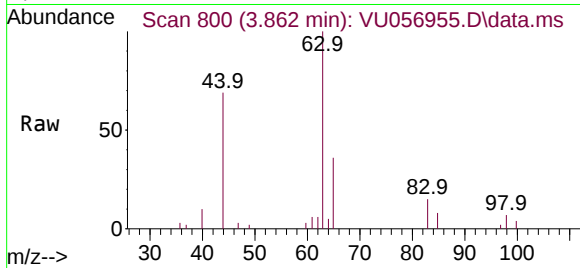




#19
1,1-Dichloroethane
Concen: 0.461 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

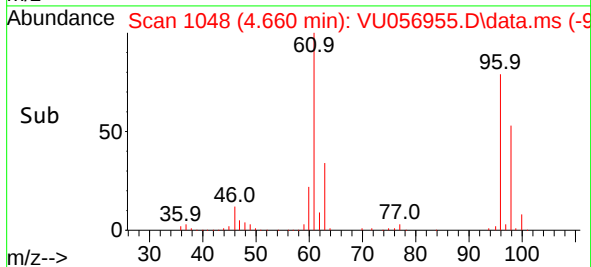
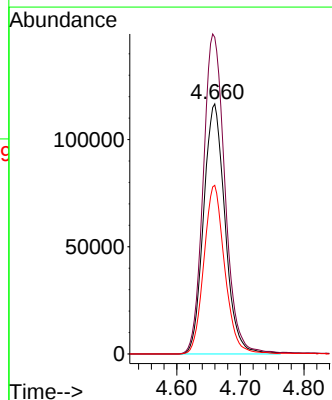
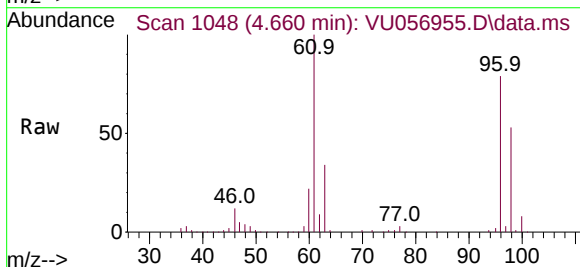
Instrument :
MSVOA_U
ClientSampleId :

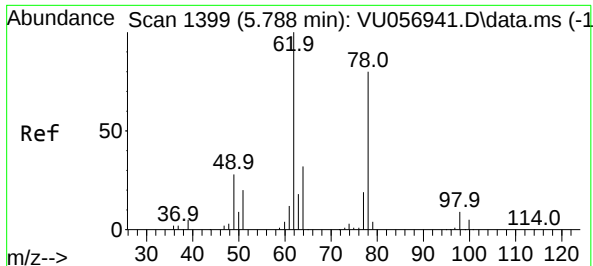
Tgt Ion: 63 Resp: 19748
Ion Ratio Lower Upper
63 100
65 36.0 22.9 42.5
83 14.9 10.1 18.9



#22
cis-1,2-Dichloroethene
Concen: 11.285 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

Tgt Ion: 96 Resp: 273477
Ion Ratio Lower Upper
96 100
61 126.6 91.3 169.6
98 67.4 44.2 82.0

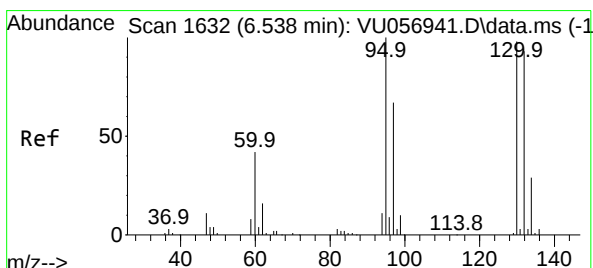
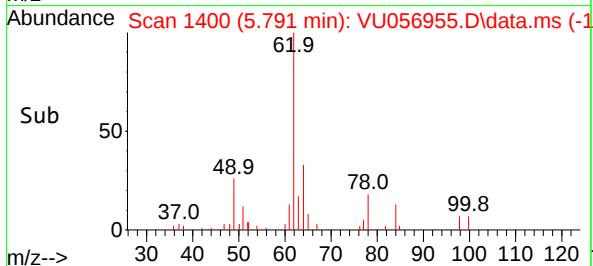
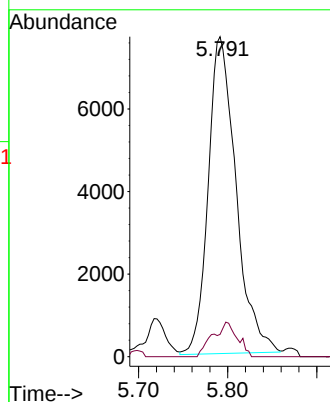
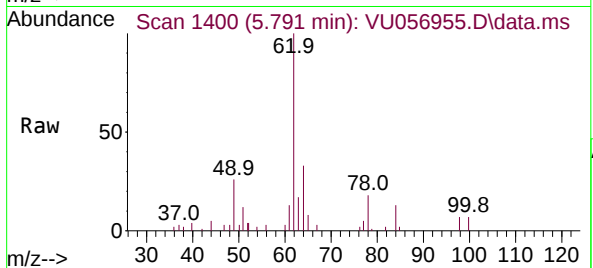




#27
1,2-Dichloroethane
Concen: 0.627 ug/L
RT: 5.791 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

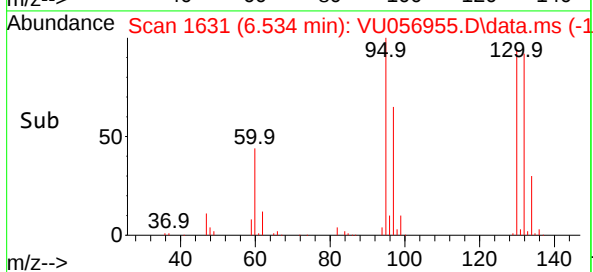
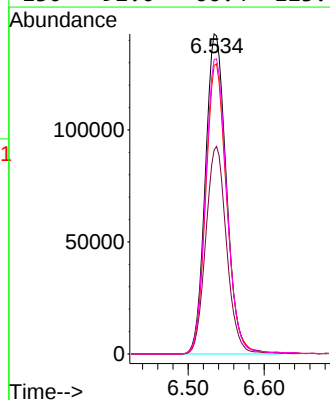
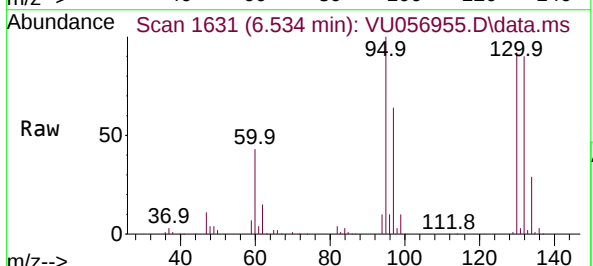
Instrument :
MSVOA_U
ClientSampleId :

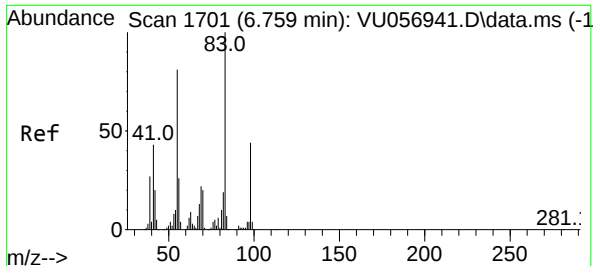
Tgt Ion: 62 Resp: 16633
Ion Ratio Lower Upper
62 100
98 7.0 7.8 11.6#



#34
Trichloroethene
Concen: 10.303 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

Tgt Ion: 95 Resp: 274016
Ion Ratio Lower Upper
95 100
97 63.8 46.1 85.5
132 90.2 63.6 118.0
130 92.0 66.4 123.4





#35

Methylcyclohexane

Concen: 0.588 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU056955.D

Acq: 17 Dec 2023 04:41

Instrument :

MSVOA_U

ClientSampleId :

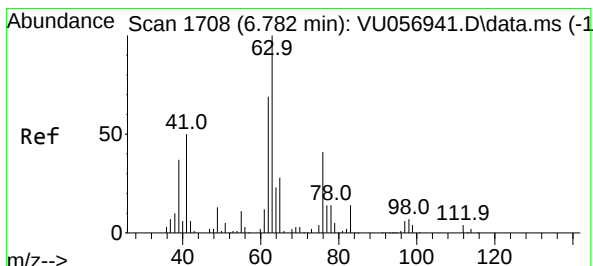
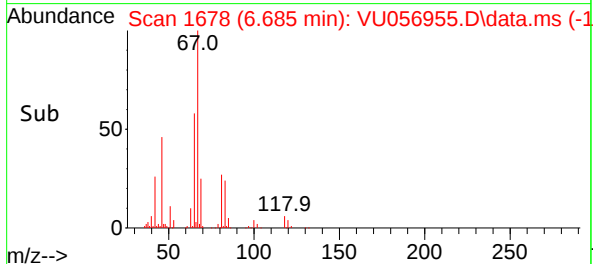
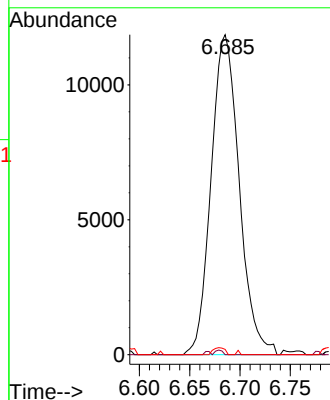
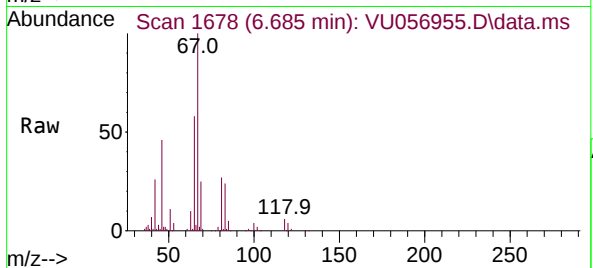
Tgt Ion: 83 Resp: 23069

Ion Ratio Lower Upper

83 100

55 0.4 64.6 97.0#

98 0.9 36.1 54.1#



#37

1,2-Dichloropropane

Concen: 0.273 ug/L

RT: 6.785 min Scan# 1709

Delta R.T. -0.000 min

Lab File: VU056955.D

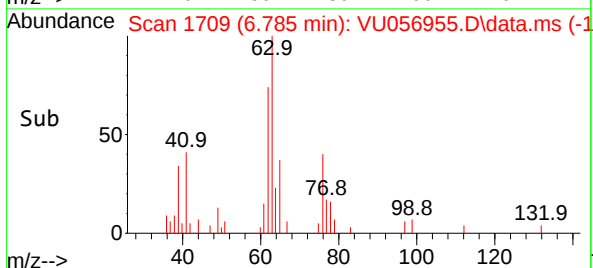
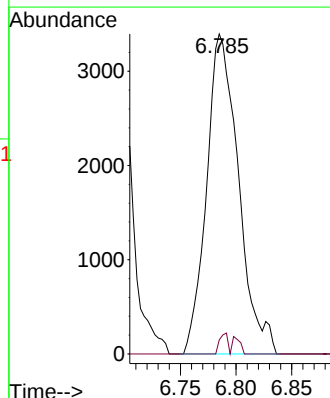
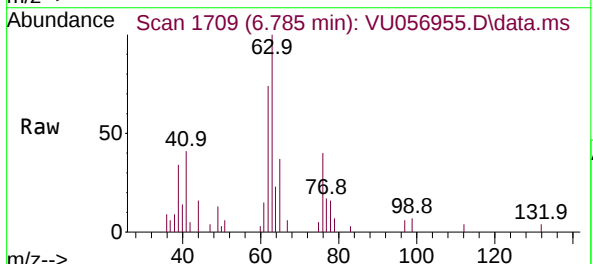
Acq: 17 Dec 2023 04:41

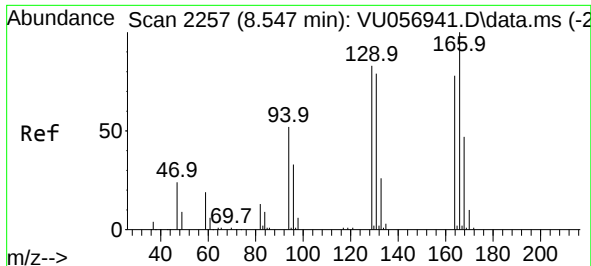
Tgt Ion: 63 Resp: 6764

Ion Ratio Lower Upper

63 100

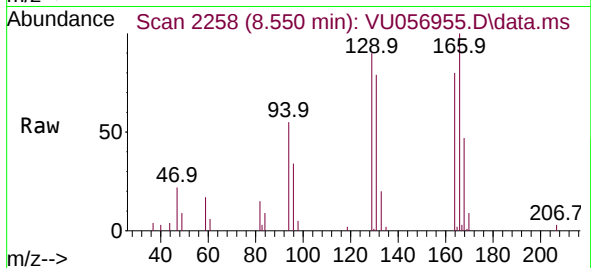
112 1.6 3.3 4.9#



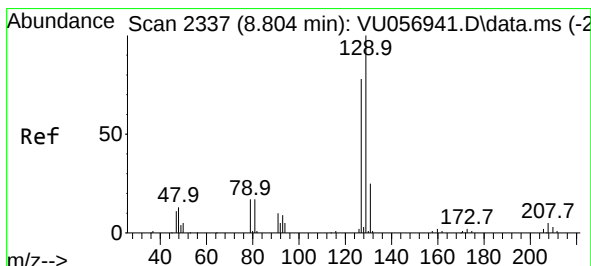
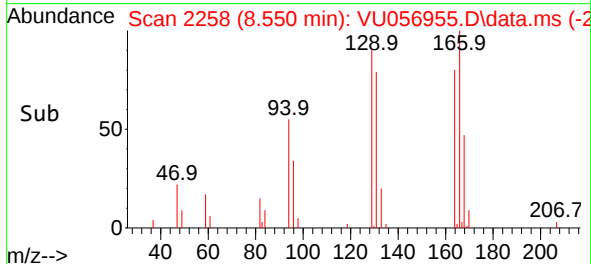
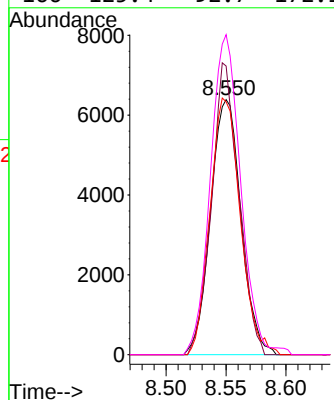


#47
Tetrachloroethene
Concen: 0.606 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

Instrument :
MSVOA_U
ClientSampleId :

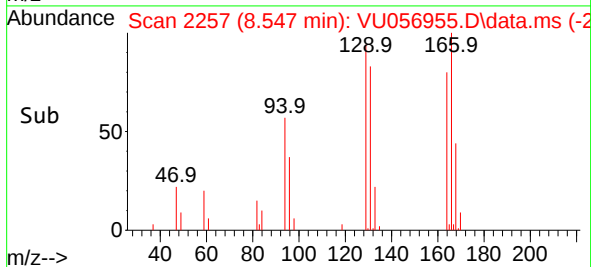
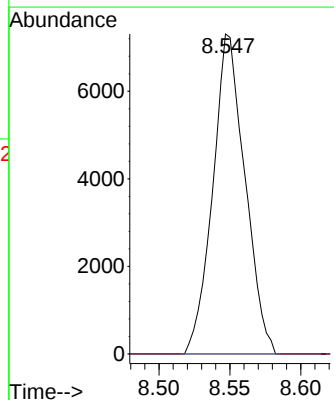
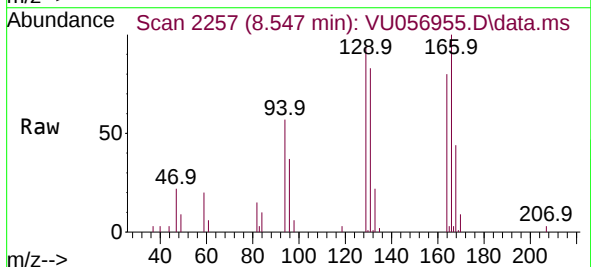


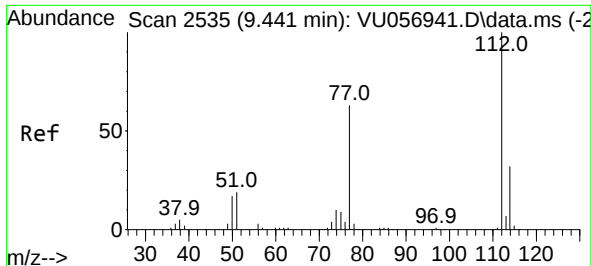
Tgt Ion:164 Resp: 11282
Ion Ratio Lower Upper
164 100
129 113.1 73.4 136.4
131 99.1 71.5 132.9
166 125.4 92.7 172.1



#49
Dibromochloromethane
Concen: 0.599 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.257 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

Tgt Ion:129 Resp: 11543
Ion Ratio Lower Upper
129 100
127 0.0 53.9 100.1#

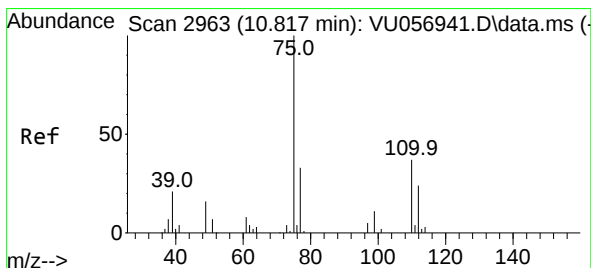
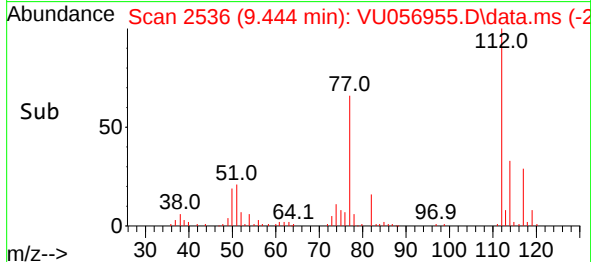
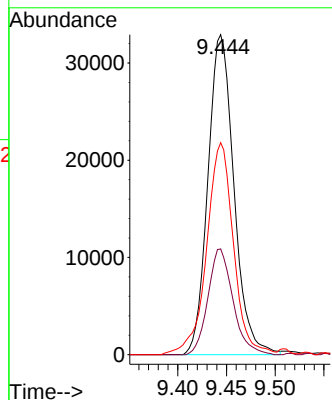
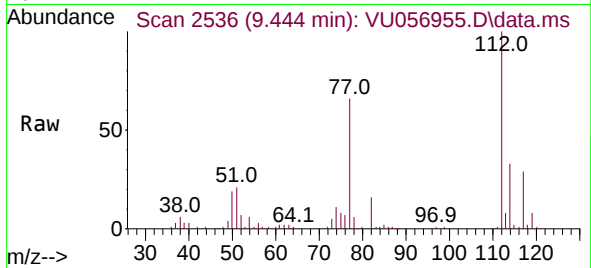




#51
Chlorobenzene
Concen: 0.958 ug/L
RT: 9.444 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

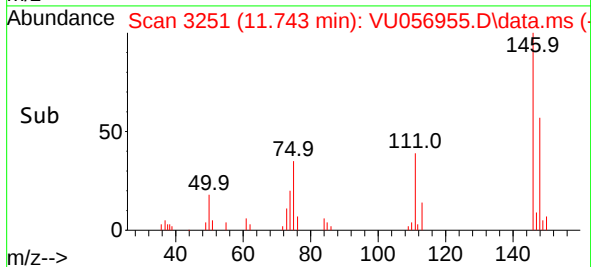
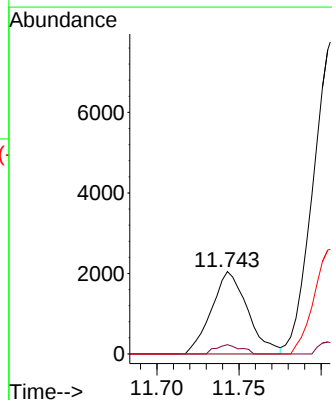
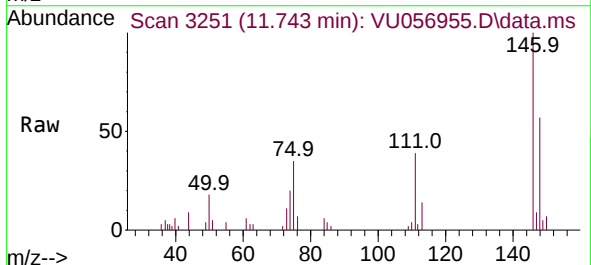
Instrument :
MSVOA_U
ClientSampleId :

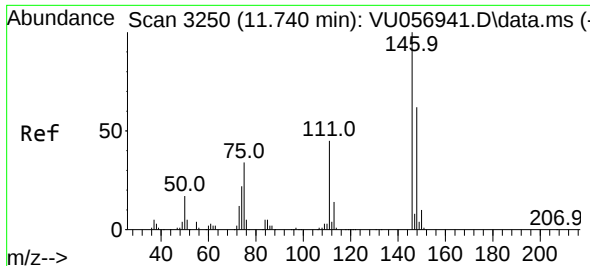
Tgt Ion:112 Resp: 61252
Ion Ratio Lower Upper
112 100
114 33.0 21.9 40.7
77 66.3 51.6 77.4



#61
1,2,3-Trichloropropane
Concen: 0.271 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.926 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

Tgt Ion: 75 Resp: 3134
Ion Ratio Lower Upper
75 100
110 7.8 28.4 42.6#
77 0.0 26.3 39.5#

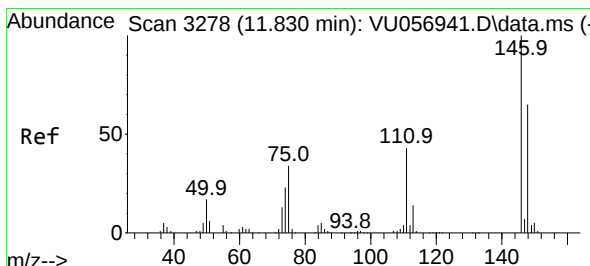
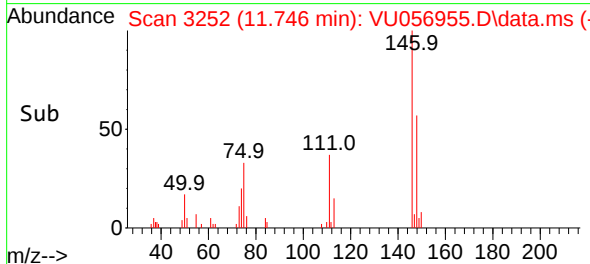
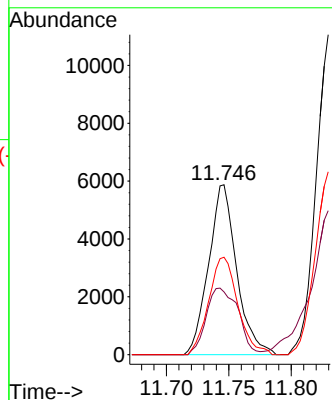
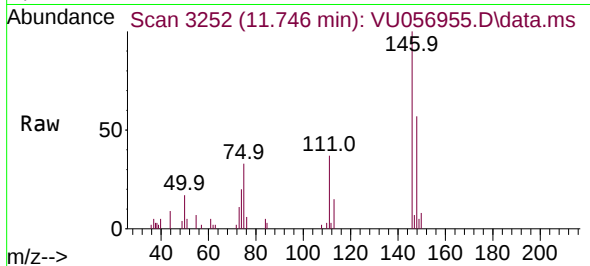




#64
1,3-Dichlorobenzene
Concen: 0.228 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

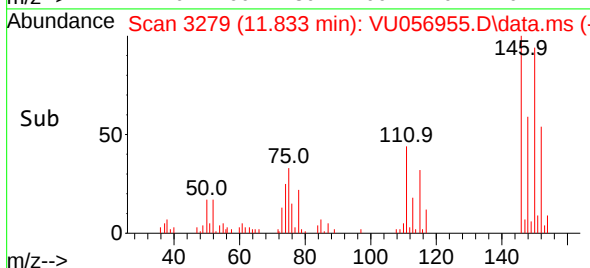
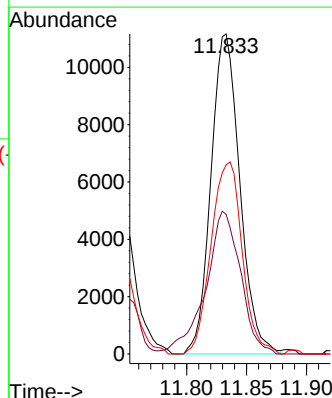
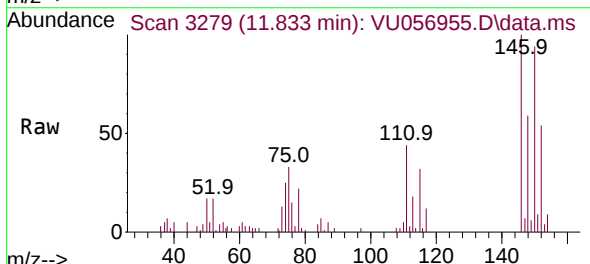
Instrument :
MSVOA_U
ClientSampleId :

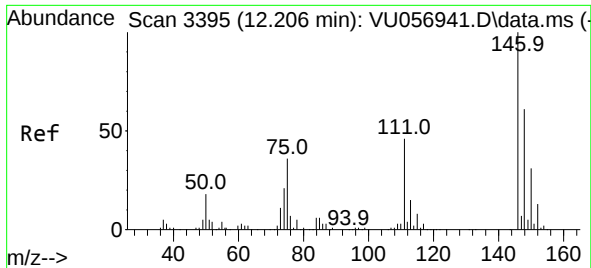
Tgt Ion:146 Resp: 9186
Ion Ratio Lower Upper
146 100
111 40.3 31.7 58.9
148 57.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.472 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056955.D
Acq: 17 Dec 2023 04:41

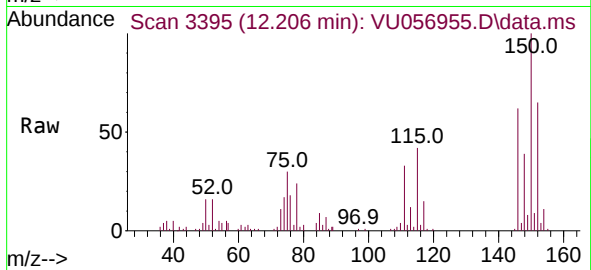
Tgt Ion:146 Resp: 18699
Ion Ratio Lower Upper
146 100
111 43.7 31.2 58.0
148 59.1 45.6 84.8





#67
 1,2-Dichlorobenzene
 Concen: 0.634 ug/L
 RT: 12.206 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056955.D
 Acq: 17 Dec 2023 04:41

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	23218
Ion	Ratio	Lower	Upper
146	100		
111	53.2	36.9	55.3
148	63.3	53.0	79.4

