

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111523\
 Data File : VU056358.D
 Acq On : 15 Nov 2023 16:26
 Operator : MD/SY
 Sample : 05340-12DL 4X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 16 04:40:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 16 04:37:29 2023
 Response via : Initial Calibration

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

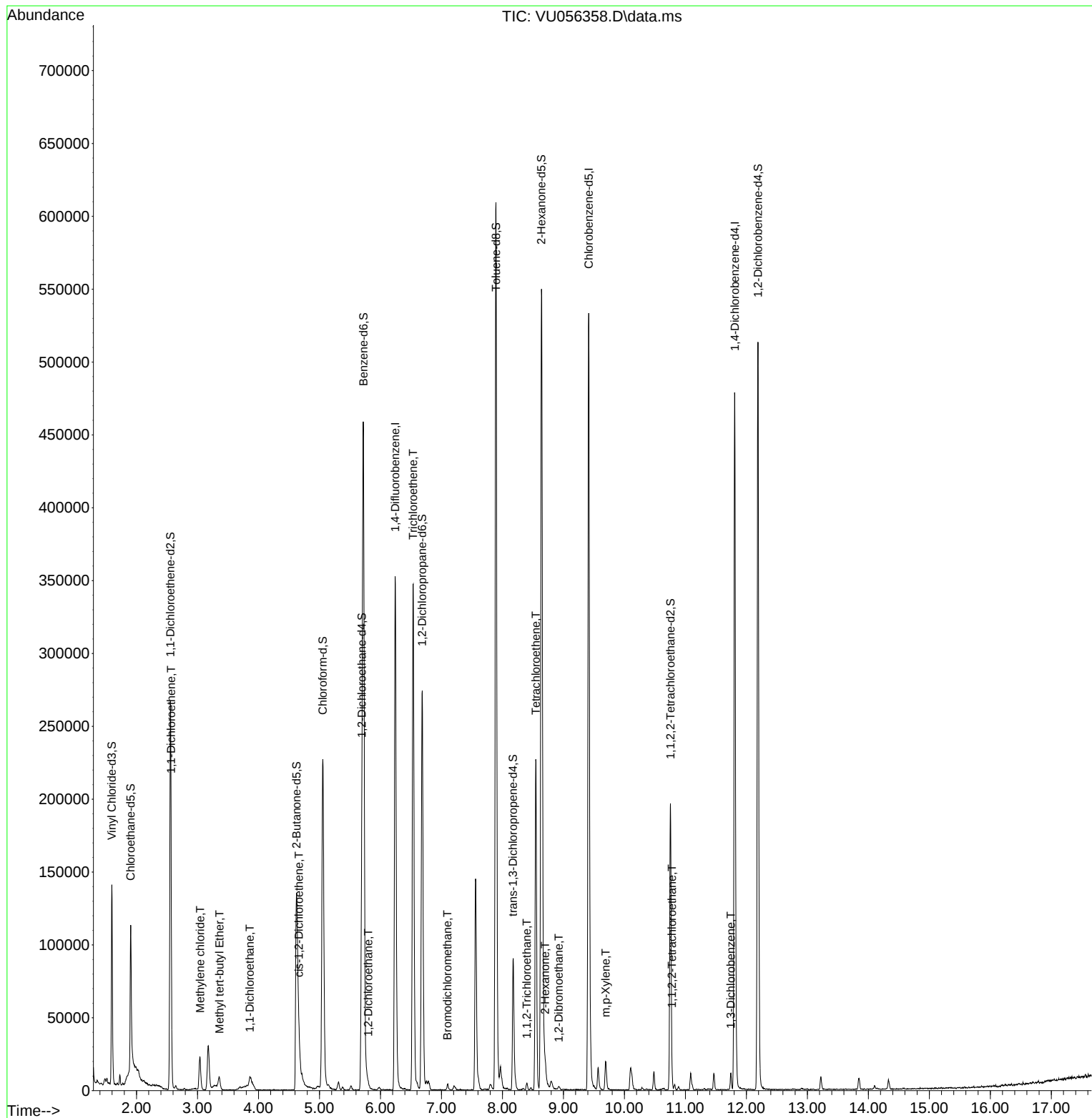
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	284968	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	303312	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	124533	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	105127	4.932	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.600%
7) Chloroethane-d5	1.904	69	76148	4.659	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.557	65	50664	5.386	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.800%
20) 2-Butanone-d5	4.624	46	235825	55.486	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.980%
24) Chloroform-d	5.055	84	219363	5.321	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.400%
26) 1,2-Dichloroethane-d4	5.695	65	110196	5.784	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.600%
32) Benzene-d6	5.721	84	442136	4.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	6.685	67	136273	5.003	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.894	98	421545	5.282	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
43) trans-1,3-Dichloroprop...	8.174	79	54073	5.177	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.640	63	220211	53.646	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.300%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	98465	5.059	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	133790	5.815	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.567	96	2848	0.163	ug/L #	1
16) Methylene chloride	3.042	84	11343	0.491	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	7485	0.177	ug/L	95
19) 1,1-Dichloroethane	3.859	63	6471	0.182	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	2436	0.120	ug/L	91
27) 1,2-Dichloroethane	5.801	62	2904	0.133	ug/L #	77
34) Trichloroethene	6.537	95	127529	5.408	ug/L	98
38) Bromodichloromethane	7.100	83	2970	0.102	ug/L #	91
45) 1,1,2-Trichloroethane	8.399	97	1543	0.103	ug/L	93
47) Tetrachloroethene	8.547	164	49953	3.142	ug/L	95
48) 2-Hexanone	8.701	43	9472	1.087	ug/L #	84
50) 1,2-Dibromoethane	8.923	107	1405	0.099	ug/L #	96
53) m,p-Xylene	9.695	106	6082	0.166	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	2207	0.120	ug/L #	87
64) 1,3-Dichlorobenzene	11.746	146	4262	0.117	ug/L	93

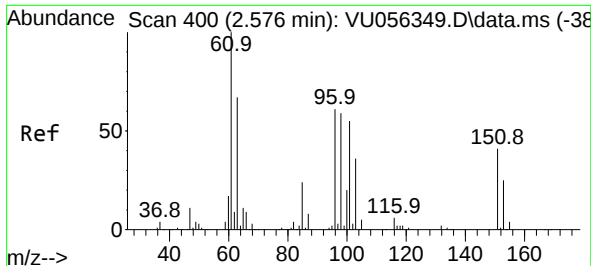
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 16 04:37:29 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.163 ug/L

RT: 2.567 min Scan# 397

Delta R.T. -0.010 min

Lab File: VU056358.D

Acq: 15 Nov 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

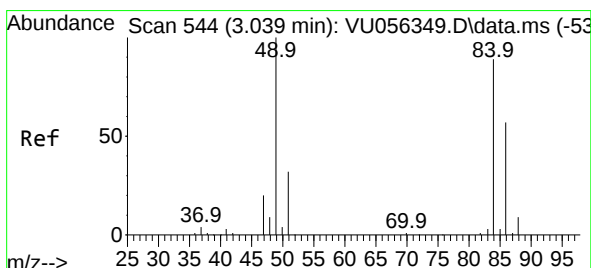
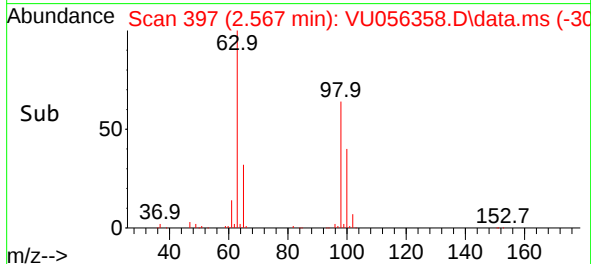
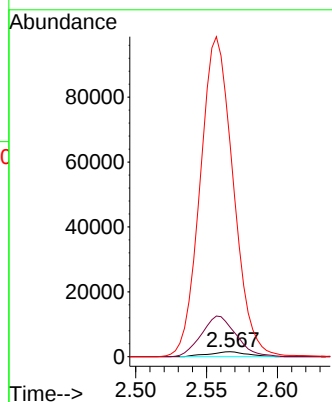
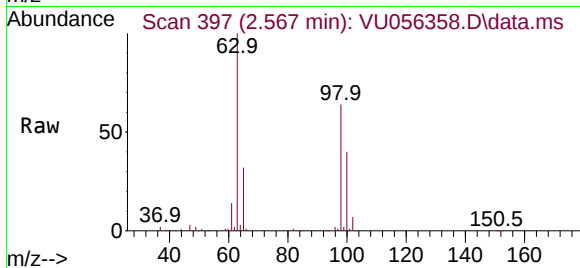
Tgt Ion: 96 Resp: 2848

Ion Ratio Lower Upper

96 100

61 587.7 123.1 228.7#

63 4234.8 93.3 173.3#



#16

Methylene chloride

Concen: 0.491 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU056358.D

Acq: 15 Nov 2023 16:26

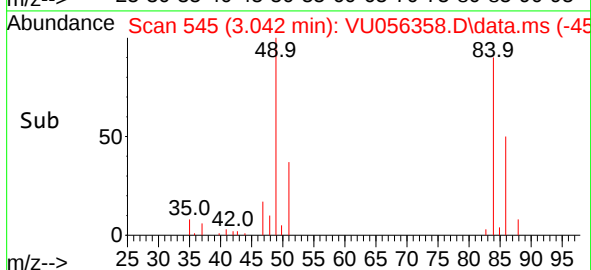
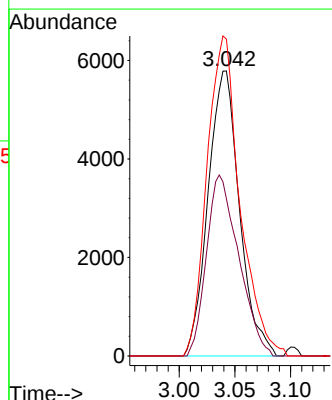
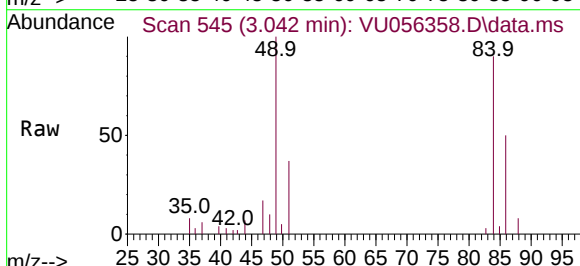
Tgt Ion: 84 Resp: 11343

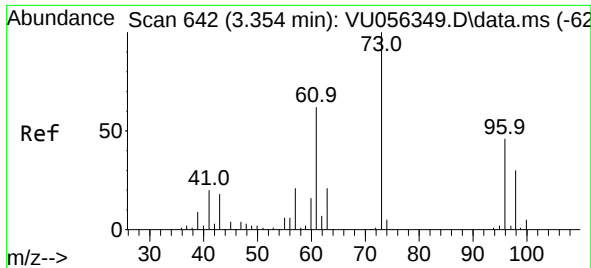
Ion Ratio Lower Upper

84 100

86 55.2 44.7 83.1

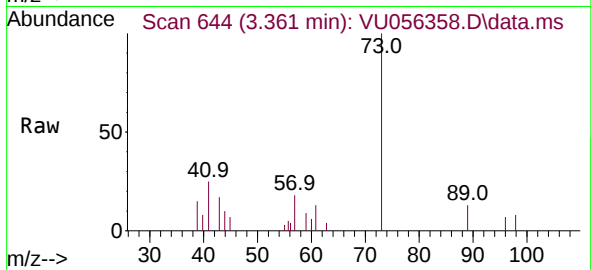
49 117.1 81.8 152.0



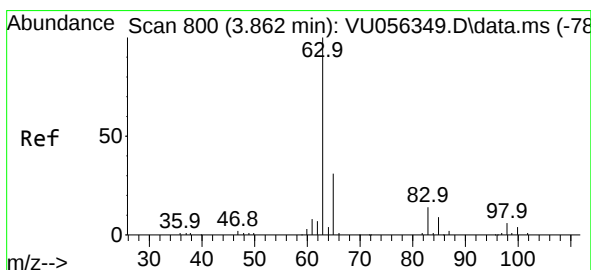
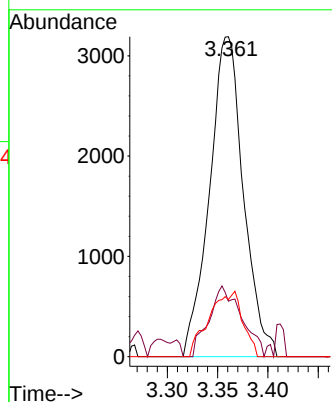
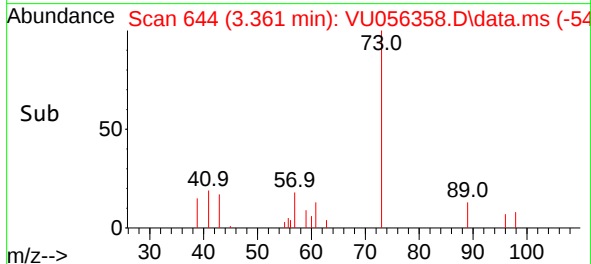


#17
Methyl tert-butyl Ether
Concen: 0.177 ug/L
RT: 3.361 min Scan# 64
Delta R.T. 0.007 min
Lab File: VU056358.D
Acq: 15 Nov 2023 16:26

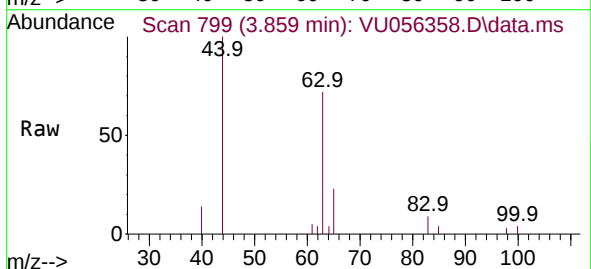
Instrument :
MSVOA_U
ClientSampleId :



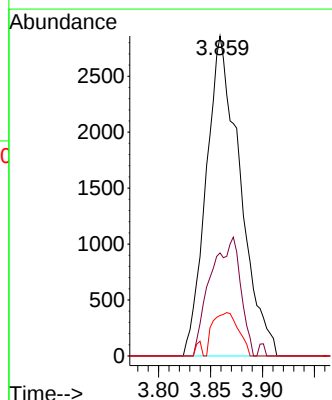
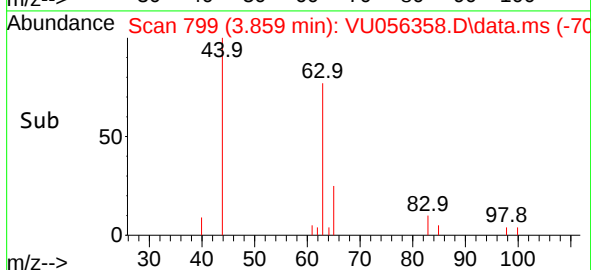
Tgt Ion: 73 Resp: 7485
Ion Ratio Lower Upper
73 100
43 21.4 15.1 22.7
57 20.2 17.8 26.8

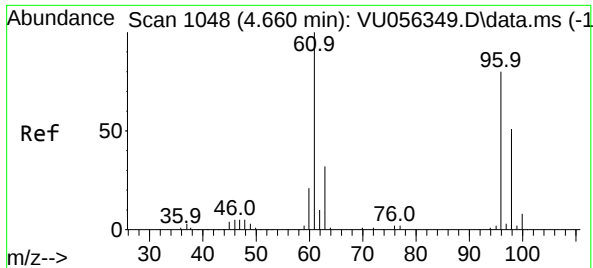


#19
1,1-Dichloroethane
Concen: 0.182 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU056358.D
Acq: 15 Nov 2023 16:26



Tgt Ion: 63 Resp: 6471
Ion Ratio Lower Upper
63 100
65 32.2 21.8 40.6
83 12.6 9.7 17.9

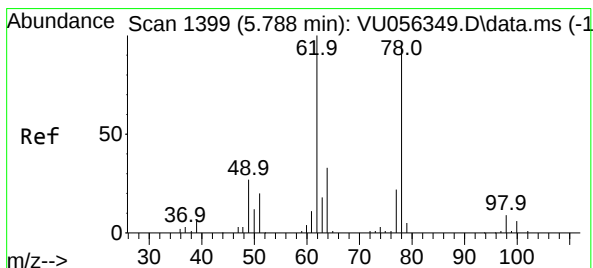
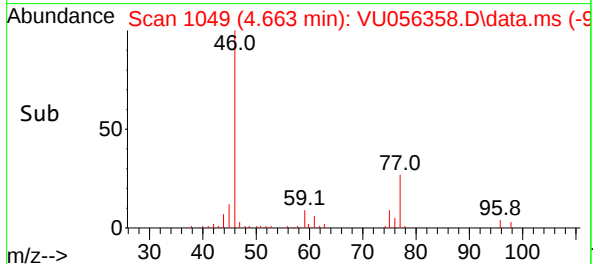
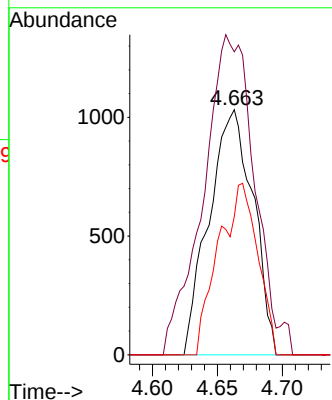
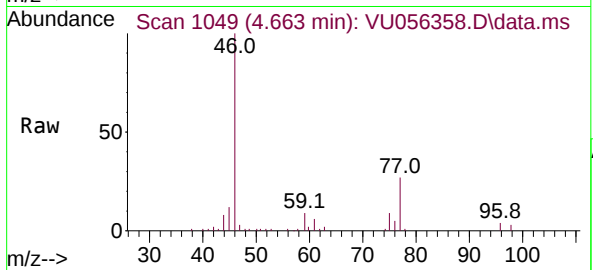




#22
 cis-1,2-Dichloroethene
 Concen: 0.120 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU056358.D
 Acq: 15 Nov 2023 16:26

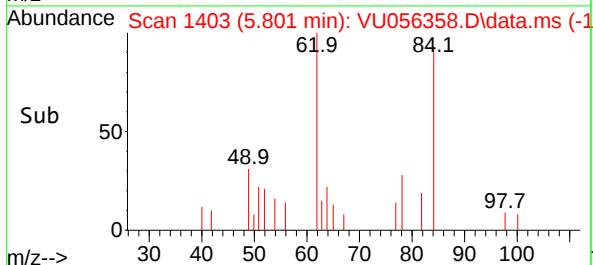
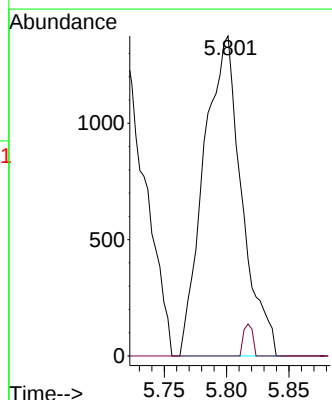
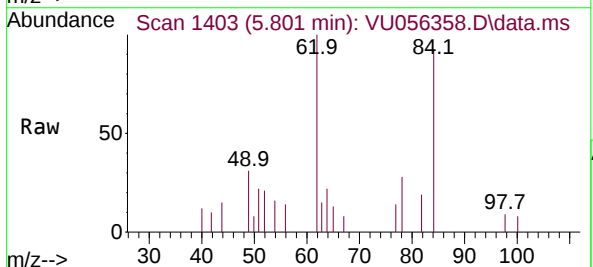
Instrument :
 MSVOA_U
 ClientSampleId :

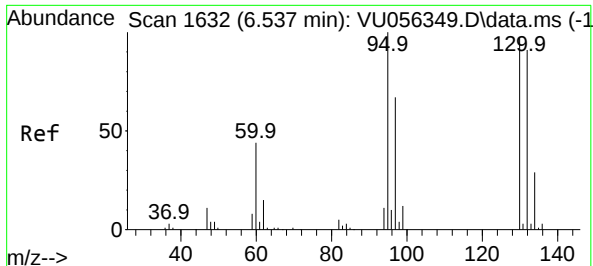
Tgt Ion: 96 Resp: 2436
 Ion Ratio Lower Upper
 96 100
 61 123.6 93.2 173.2
 98 56.3 44.8 83.2



#27
 1,2-Dichloroethane
 Concen: 0.133 ug/L
 RT: 5.801 min Scan# 1403
 Delta R.T. 0.013 min
 Lab File: VU056358.D
 Acq: 15 Nov 2023 16:26

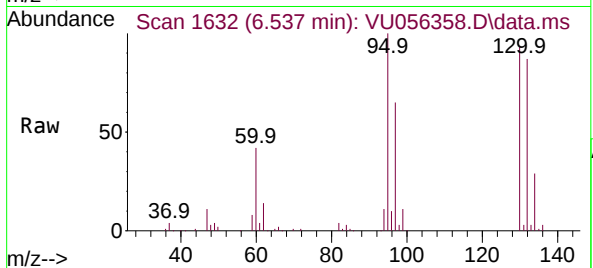
Tgt Ion: 62 Resp: 2904
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



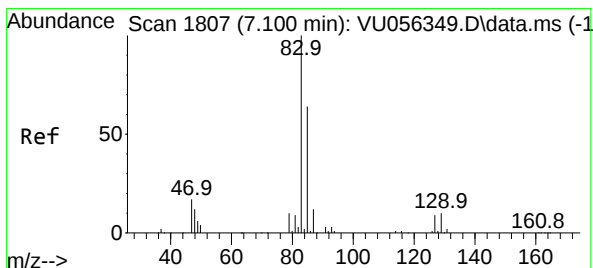
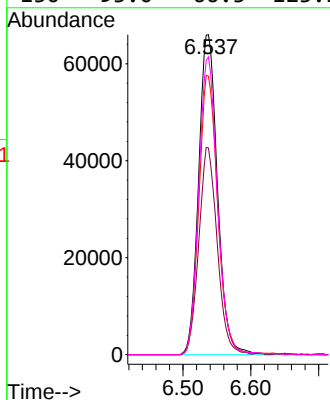
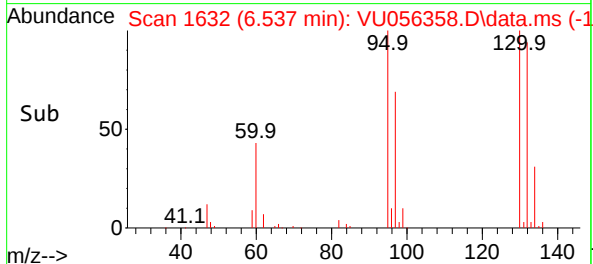


#34
Trichloroethene
Concen: 5.408 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056358.D
Acq: 15 Nov 2023 16:26

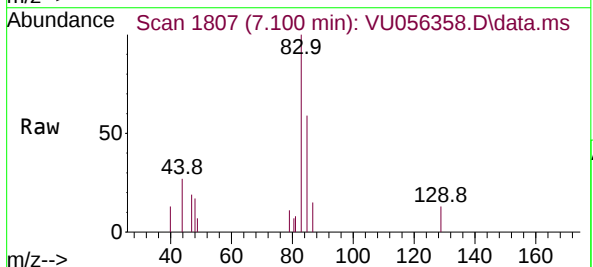
Instrument :
MSVOA_U
ClientSampleId :



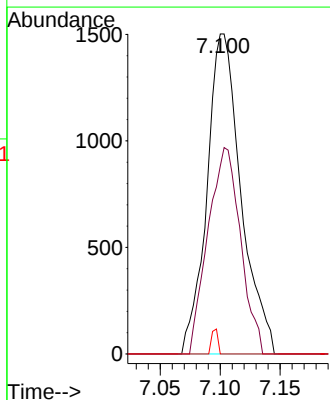
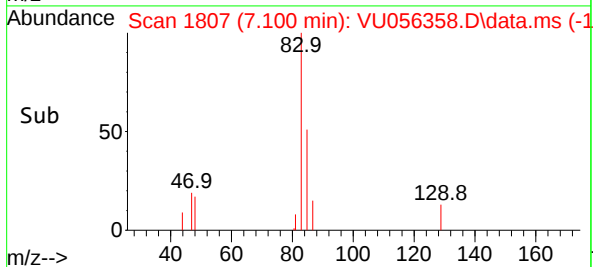
Tgt Ion: 95 Resp: 127529
Ion Ratio Lower Upper
95 100
97 64.6 46.5 86.3
132 87.0 62.0 115.2
130 93.0 66.3 123.1

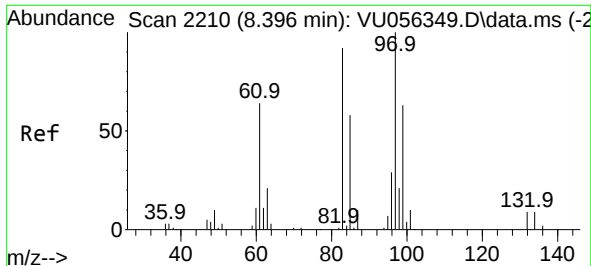


#38
Bromodichloromethane
Concen: 0.102 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU056358.D
Acq: 15 Nov 2023 16:26



Tgt Ion: 83 Resp: 2970
Ion Ratio Lower Upper
83 100
85 58.7 44.9 83.5
127 0.0 6.9 10.3#

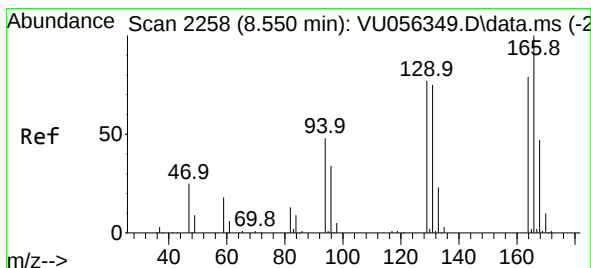
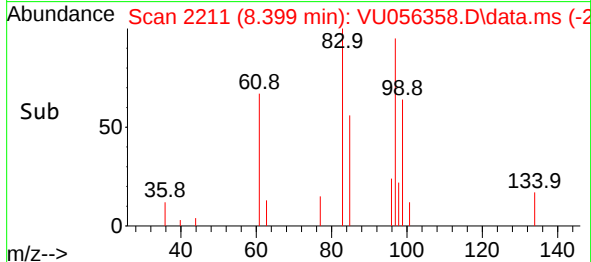
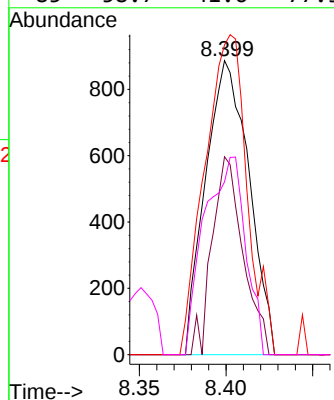
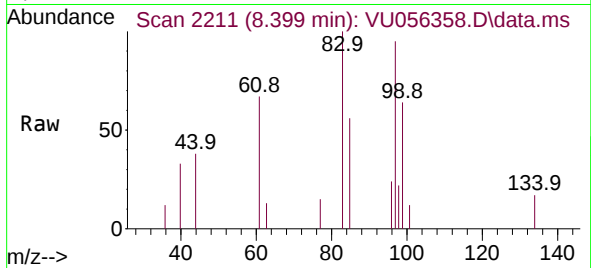




#45
1,1,2-Trichloroethane
Concen: 0.103 ug/L
RT: 8.399 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056358.D
Acq: 15 Nov 2023 16:26

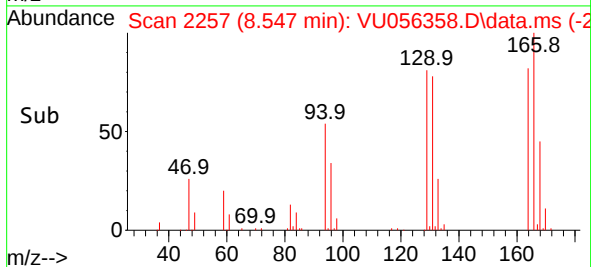
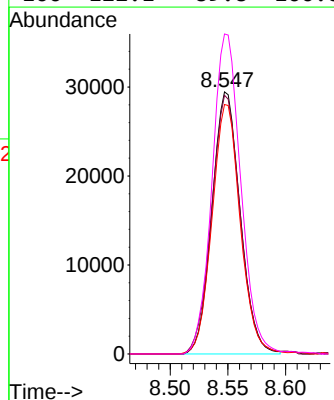
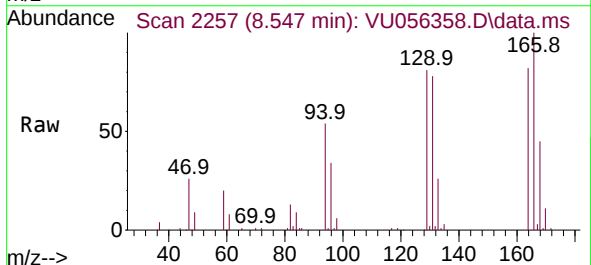
Instrument :
MSVOA_U
ClientSampleId :

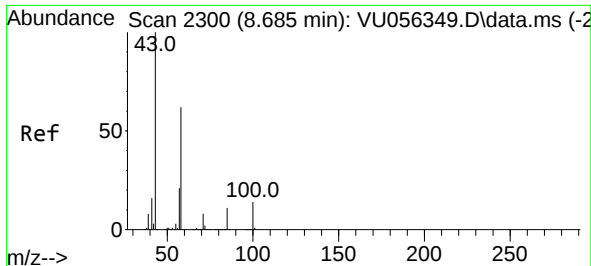
Tgt Ion: 97	Resp: 1543
Ion Ratio	Lower Upper
97 100	
99 67.3	44.3 82.3
83 105.3	65.4 121.4
85 58.7	41.6 77.3



#47
Tetrachloroethene
Concen: 3.142 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056358.D
Acq: 15 Nov 2023 16:26

Tgt	Ion:164	Resp:	49953
Ion	Ratio	Lower	Upper
164	100		
129	98.7	71.0	131.9
131	95.2	70.3	130.7
166	122.1	89.8	166.8





#48

2-Hexanone

Concen: 1.087 ug/L

RT: 8.701 min Scan# 21

Delta R.T. 0.016 min

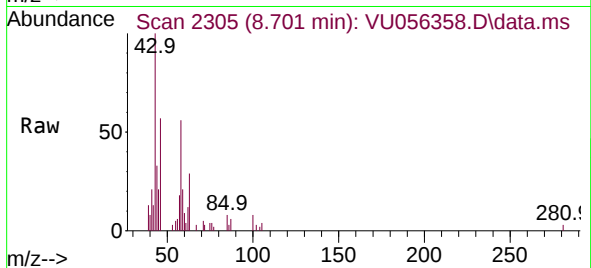
Lab File: VU056358.D

Acq: 15 Nov 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 9472

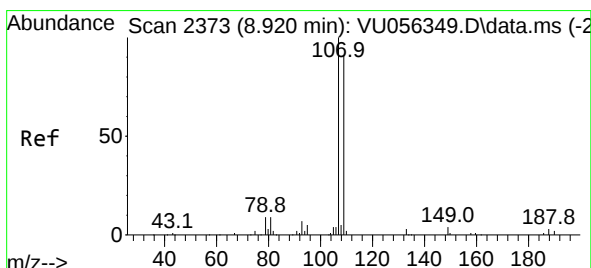
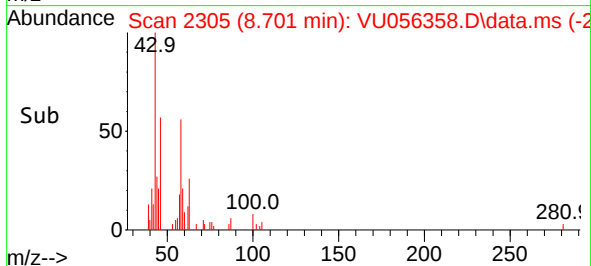
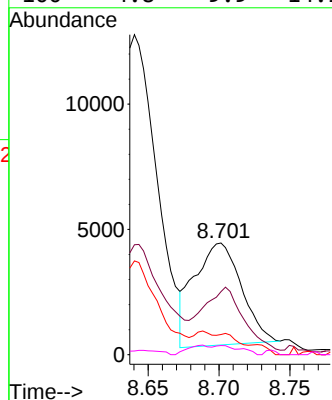
Ion Ratio Lower Upper

43 100

58 56.6 48.7 73.1

57 0.0 16.8 25.2#

100 4.8 9.9 14.9#



#50

1,2-Dibromoethane

Concen: 0.099 ug/L

RT: 8.923 min Scan# 2374

Delta R.T. 0.003 min

Lab File: VU056358.D

Acq: 15 Nov 2023 16:26

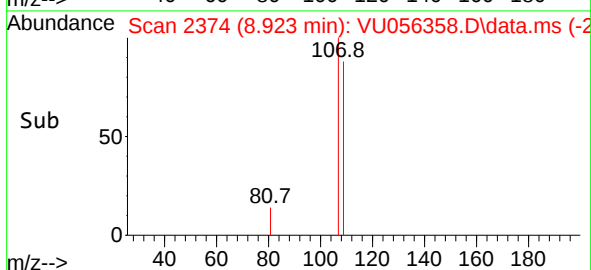
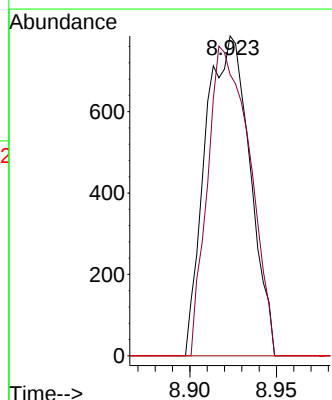
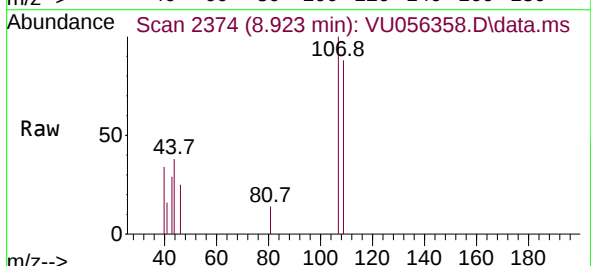
Tgt Ion: 107 Resp: 1405

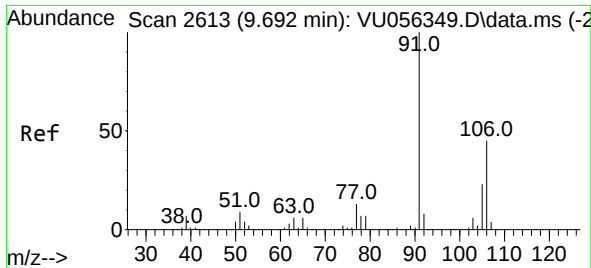
Ion Ratio Lower Upper

107 100

109 87.9 64.2 119.2

188 0.0 2.6 4.0#

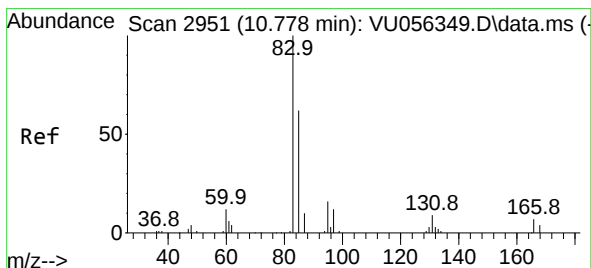
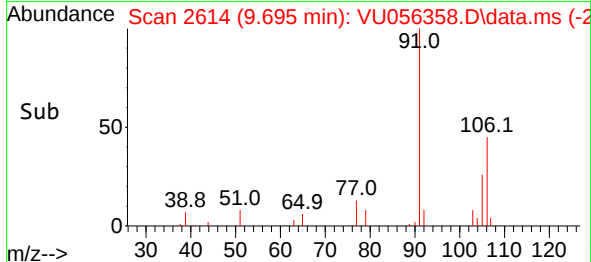
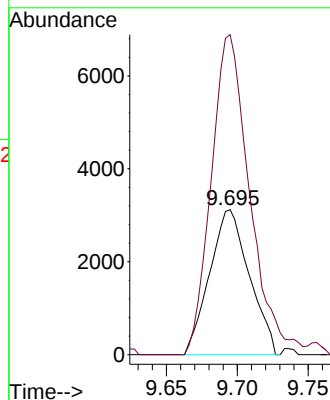
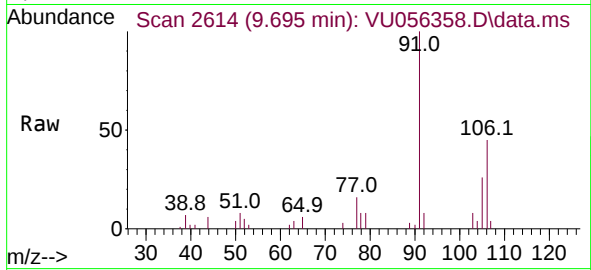




#53
m,p-Xylene
Concen: 0.166 ug/L
RT: 9.695 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU056358.D
Acq: 15 Nov 2023 16:26

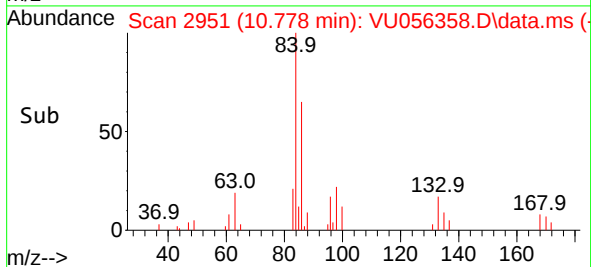
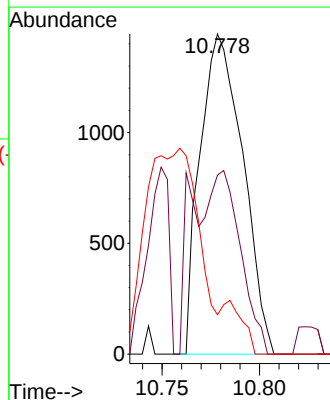
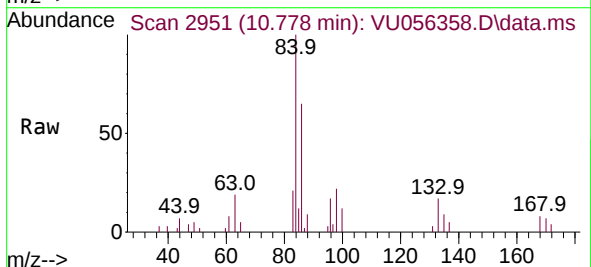
Instrument :
MSVOA_U
ClientSampleId :

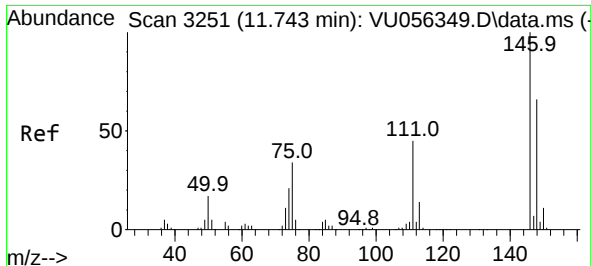
Tgt Ion:106 Resp: 6082
Ion Ratio Lower Upper
106 100
91 220.8 149.6 277.8



#57
1,1,2,2-Tetrachloroethane
Concen: 0.120 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU056358.D
Acq: 15 Nov 2023 16:26

Tgt Ion: 83 Resp: 2207
Ion Ratio Lower Upper
83 100
85 55.9 46.3 86.1
131 12.2 6.7 10.1#





#64

1,3-Dichlorobenzene

Concen: 0.117 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.003 min

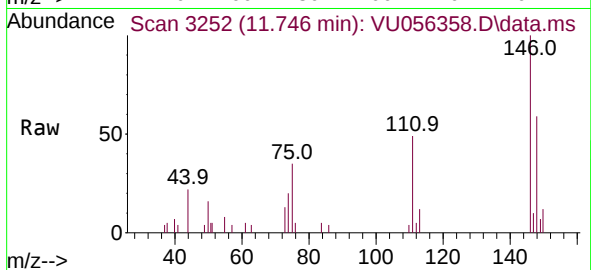
Lab File: VU056358.D

Acq: 15 Nov 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 4262

Ion Ratio Lower Upper

146 100

111 49.2 31.1 57.7

148 58.7 45.1 83.9

