

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122623\
 Data File : VU057272.D
 Acq On : 27 Dec 2023 08:11
 Operator : MD/SY
 Sample : 05998-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:55:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 27 01:05:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	162671	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	163817	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	74344	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	123273	7.929	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	158.600%#	
7) Chloroethane-d5	1.911	69	61776	4.827	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.600%	
11) 1,1-Dichloroethene-d2	2.563	65	32184	4.778	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	95.600%	
20) 2-Butanone-d5	4.624	46	145158	59.462	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	118.920%	
24) Chloroform-d	5.055	84	132607	4.416	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.400%	
26) 1,2-Dichloroethane-d4	5.695	65	65707	4.592	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.800%	
32) Benzene-d6	5.721	84	256420	4.564	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.200%	
36) 1,2-Dichloropropane-d6	6.682	67	79580	4.977	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.600%	
41) Toluene-d8	7.891	98	206868	4.033	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.600%	
43) trans-1,3-Dichloroprop...	8.174	79	30131	4.527	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.600%	
46) 2-Hexanone-d5	8.628	63	103230	45.553	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	91.100%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	57070	5.016	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	100.400%	
66) 1,2-Dichlorobenzene-d4	12.187	152	71111	4.445	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.000%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	5934527	417.313	ug/L	98
8) Chloroethane	1.933	64	3574	0.396	ug/L	90
12) 1,1-Dichloroethene	2.576	96	22054	1.813	ug/L #	50
17) Methyl tert-butyl Ether	3.354	73	93643	3.626	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	40179	3.388	ug/L	92
19) 1,1-Dichloroethane	3.866	63	3164	0.134	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	7907446	605.439	ug/L	96
33) Benzene	5.769	78	84111	1.620	ug/L	100
34) Trichloroethene	6.538	95	4356	0.287	ug/L	87
35) Methylcyclohexane	6.686	83	19066	0.954	ug/L #	19
37) 1,2-Dichloropropane	6.682	63	8478	0.656	ug/L #	89
39) cis-1,3-Dichloropropene	7.560	75	2174	0.112	ug/L	85
42) Toluene	7.965	91	21546	0.391	ug/L	96
47) Tetrachloroethene	8.550	164	2253	0.207	ug/L	77
49) Dibromochloromethane	8.547	129	2264	0.196	ug/L #	10
51) Chlorobenzene	9.441	112	8499	0.237	ug/L	90
53) m,p-Xylene	9.692	106	3747	0.165	ug/L	82
61) 1,2,3-Trichloropropane	11.804	75	9407	1.358	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 27 01:05:12 2023
Response via : Initial Calibration

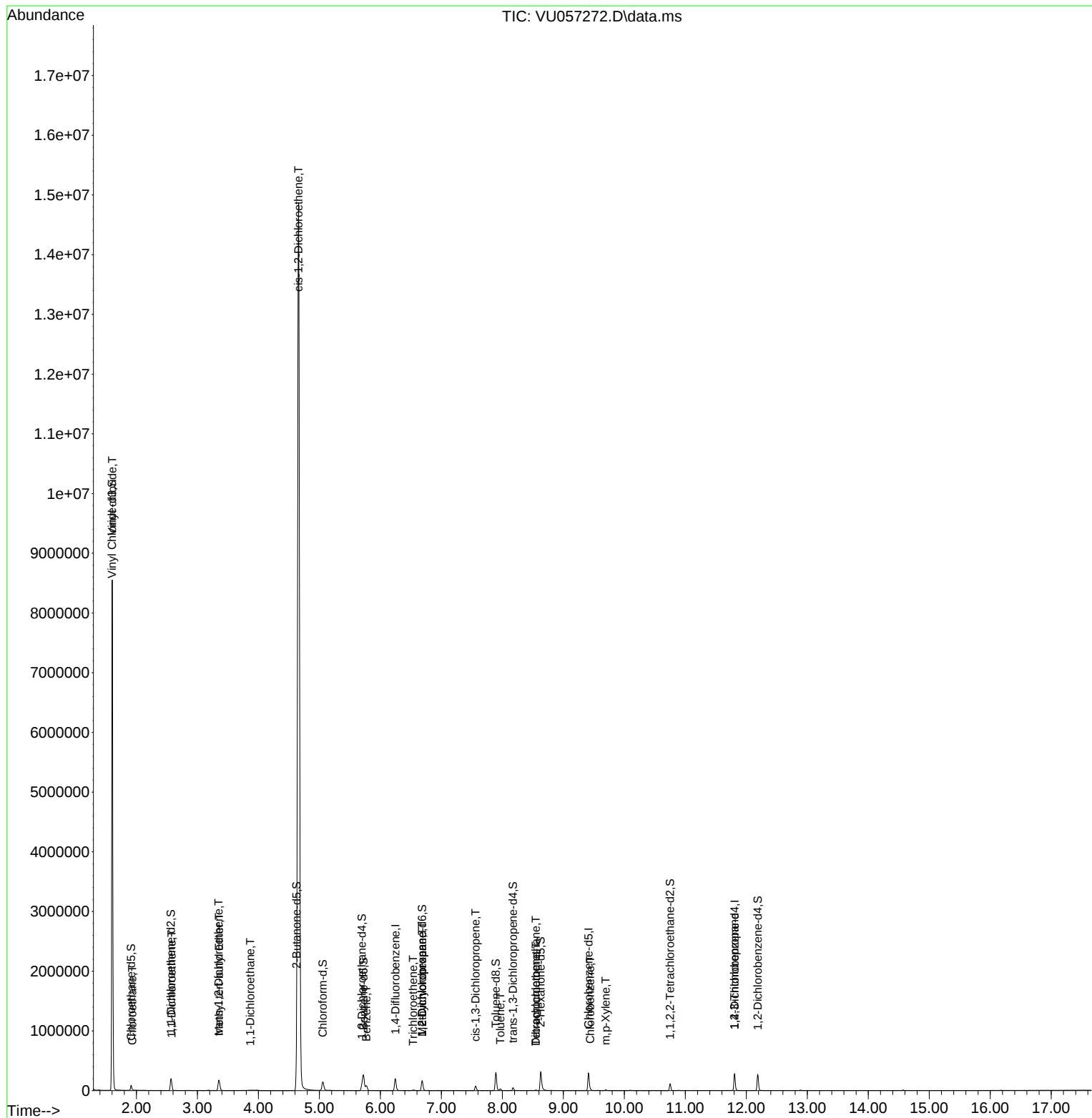
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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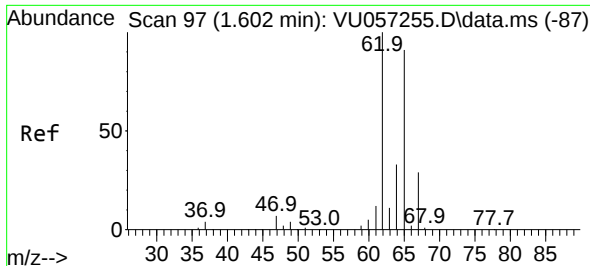
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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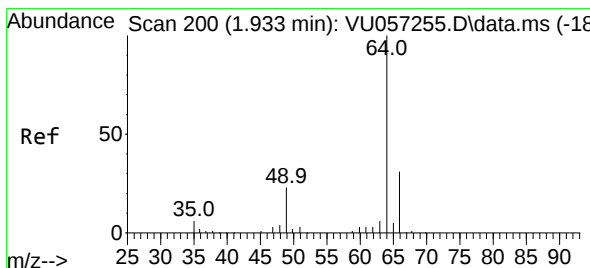
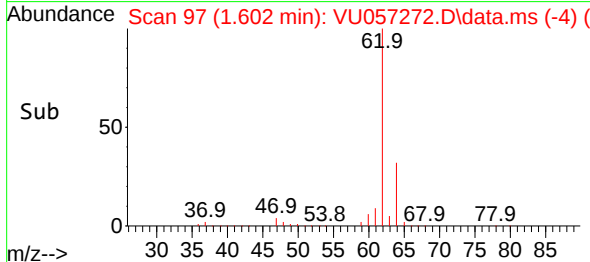
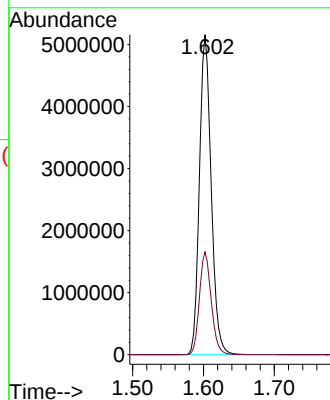
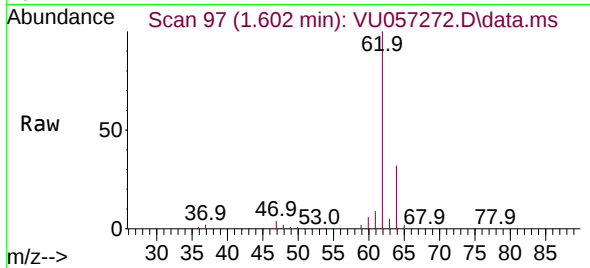




#5
 Vinyl chloride
 Concen: 417.313 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057272.D
 Acq: 27 Dec 2023 08:11

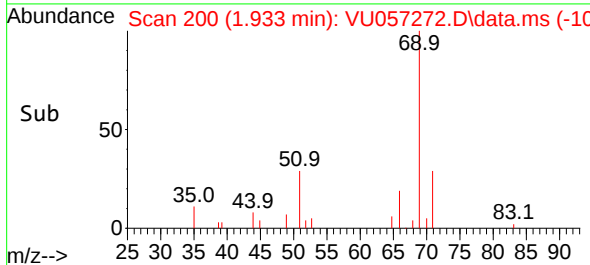
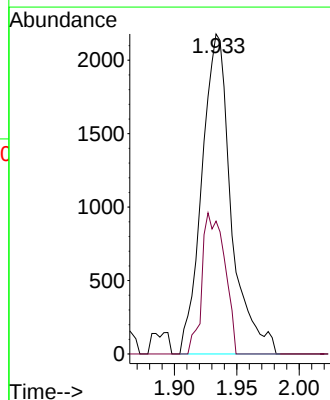
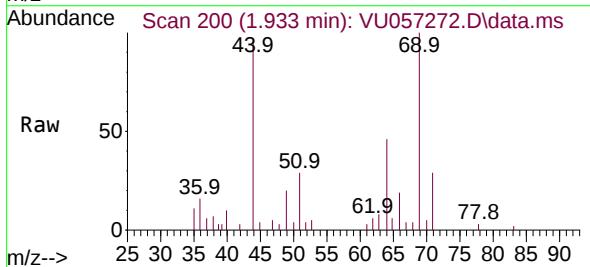
Instrument :
 MSVOA_U
 ClientSampleId :

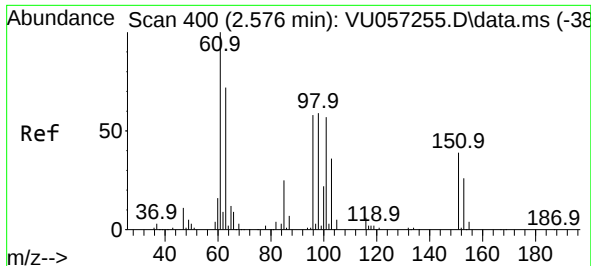
Tgt Ion: 62 Resp: 5934527
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.3 43.3



#8
 Chloroethane
 Concen: 0.396 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. 0.000 min
 Lab File: VU057272.D
 Acq: 27 Dec 2023 08:11

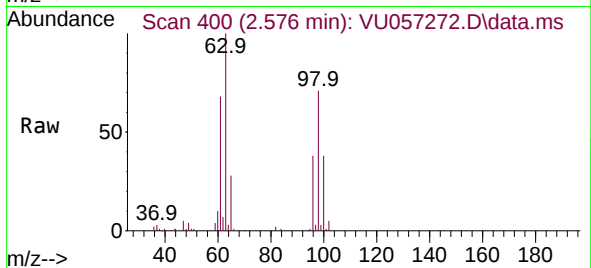
Tgt Ion: 64 Resp: 3574
 Ion Ratio Lower Upper
 64 100
 66 36.4 21.6 40.2



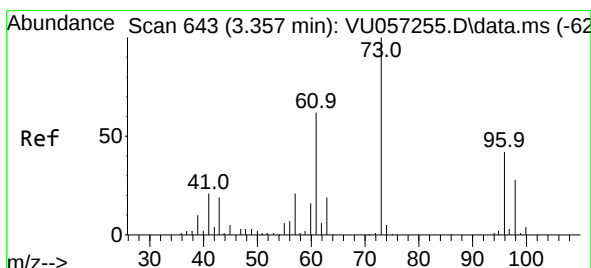
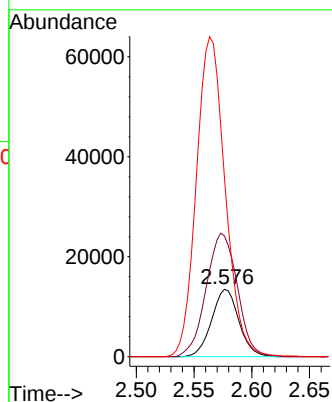
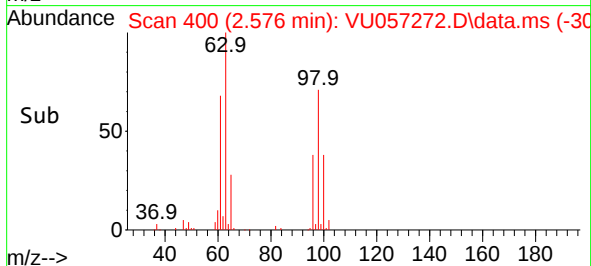


#12
1,1-Dichloroethene
Concen: 1.813 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057272.D
Acq: 27 Dec 2023 08:11

Instrument :
MSVOA_U
ClientSampleId :

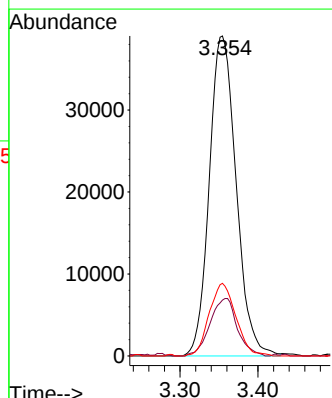
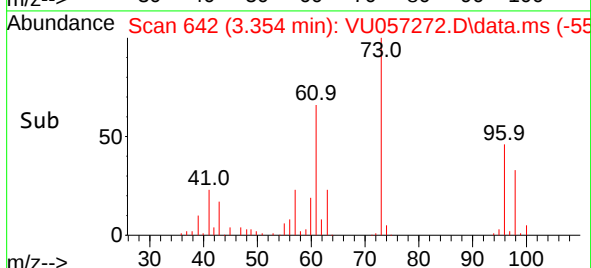
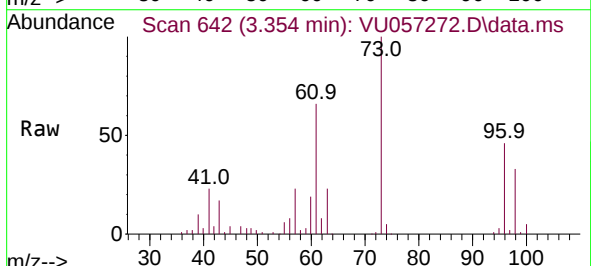


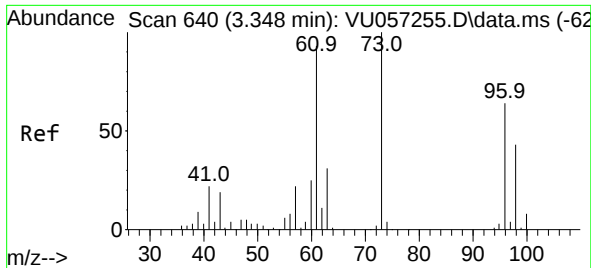
Tgt Ion: 96 Resp: 22054
Ion Ratio Lower Upper
96 100
61 179.1 119.6 222.0
63 264.2 96.2 178.8#



#17
Methyl tert-butyl Ether
Concen: 3.626 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU057272.D
Acq: 27 Dec 2023 08:11

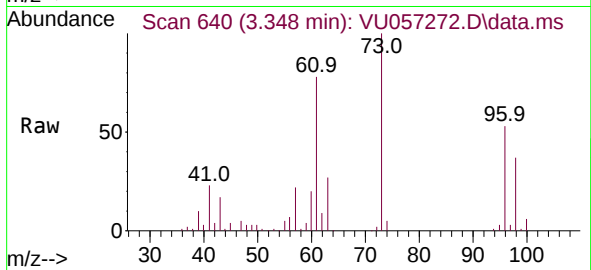
Tgt Ion: 73 Resp: 93643
Ion Ratio Lower Upper
73 100
43 18.2 15.4 23.0
57 22.5 16.2 24.2





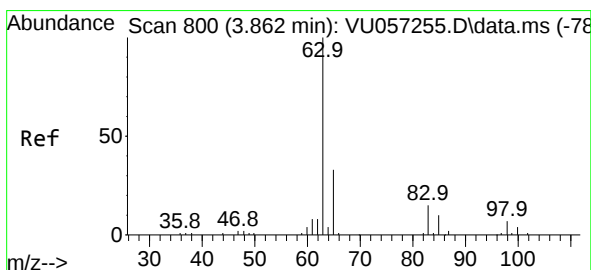
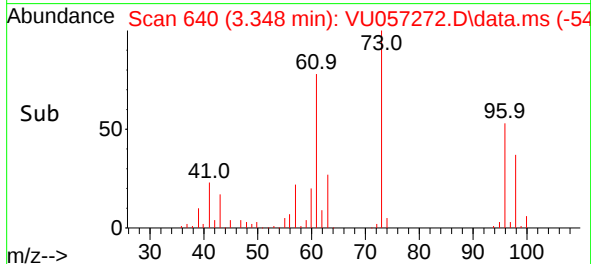
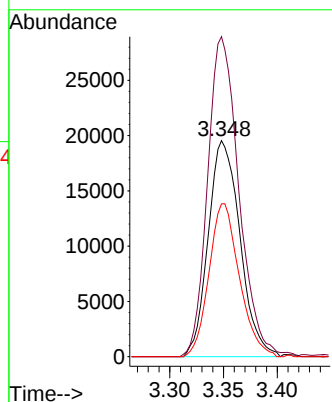
#18
trans-1,2-Dichloroethene
Concen: 3.388 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057272.D
Acq: 27 Dec 2023 08:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 40179

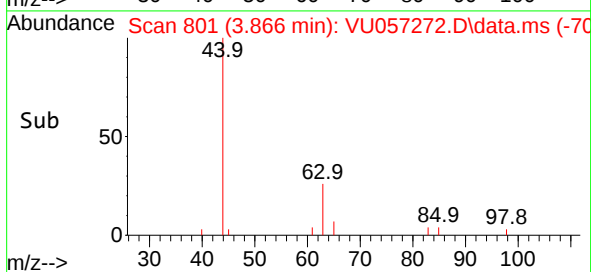
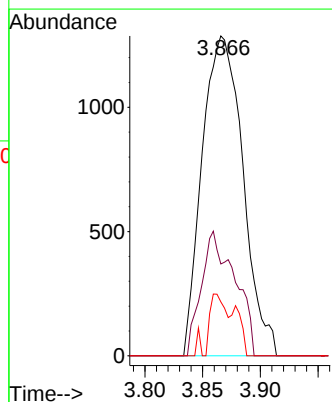
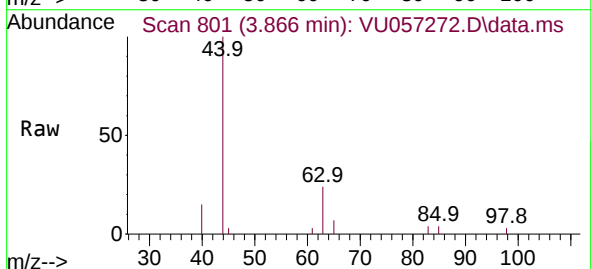
Ion	Ratio	Lower	Upper
96	100		
61	148.1	98.4	182.8
98	70.8	43.6	81.0

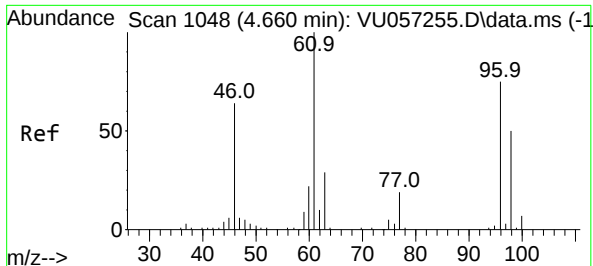


#19
1,1-Dichloroethane
Concen: 0.134 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU057272.D
Acq: 27 Dec 2023 08:11

Tgt Ion: 63 Resp: 3164

Ion	Ratio	Lower	Upper
63	100		
65	28.7	21.6	40.2
83	16.9	10.2	19.0





#22

cis-1,2-Dichloroethene

Concen: 605.439 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU057272.D

Acq: 27 Dec 2023 08:11

Instrument :

MSVOA_U

ClientSampleId :

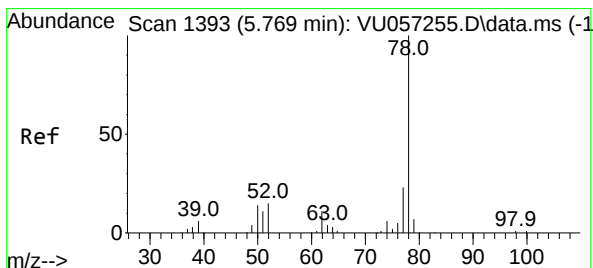
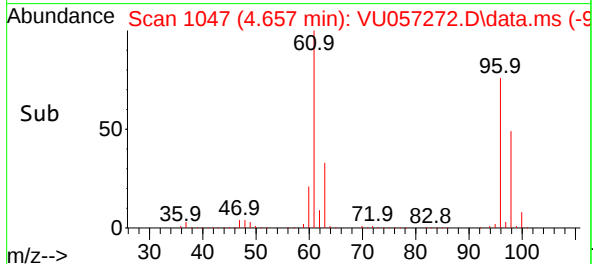
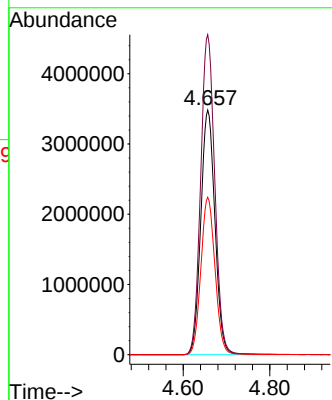
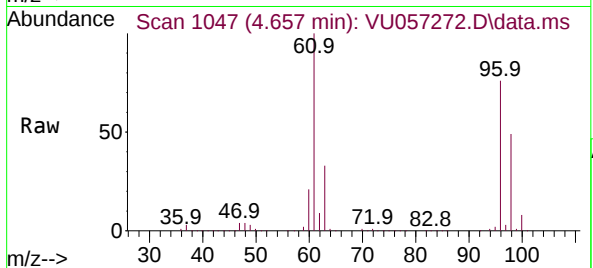
Tgt Ion: 96 Resp: 7907446

Ion Ratio Lower Upper

96 100

61 130.8 86.8 161.2

98 64.3 45.5 84.5



#33

Benzene

Concen: 1.620 ug/L

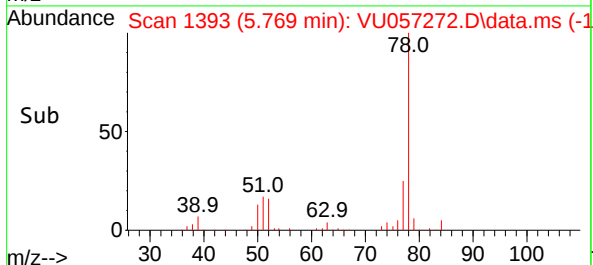
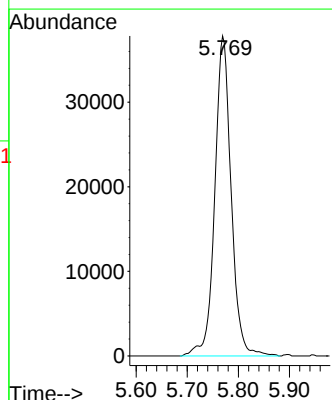
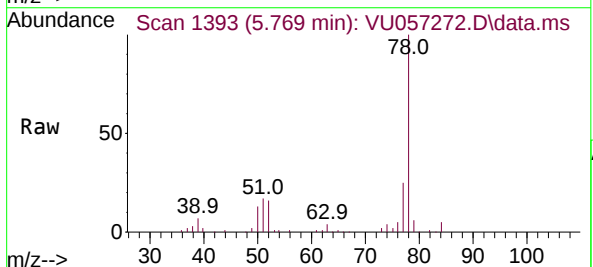
RT: 5.769 min Scan# 1393

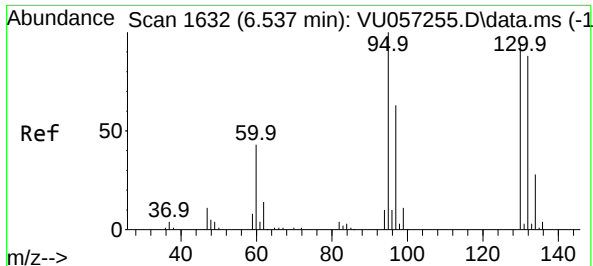
Delta R.T. 0.000 min

Lab File: VU057272.D

Acq: 27 Dec 2023 08:11

Tgt Ion: 78 Resp: 84111



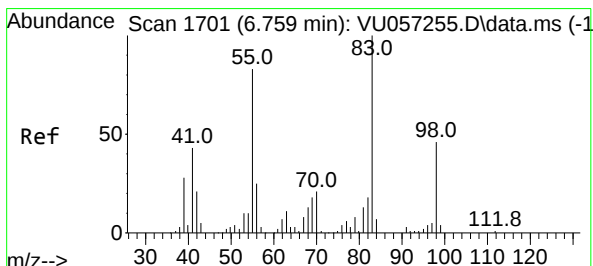
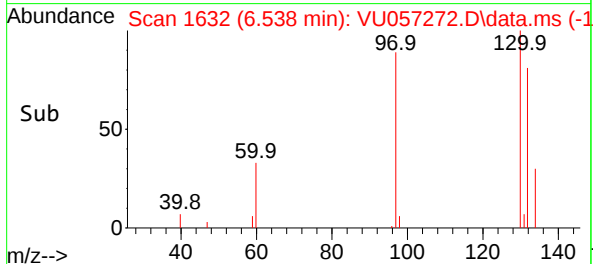
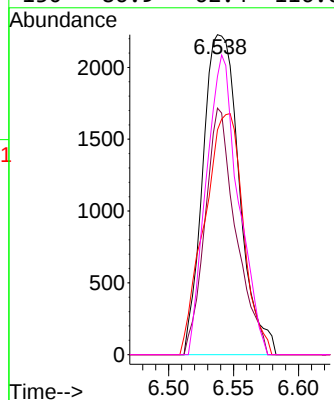
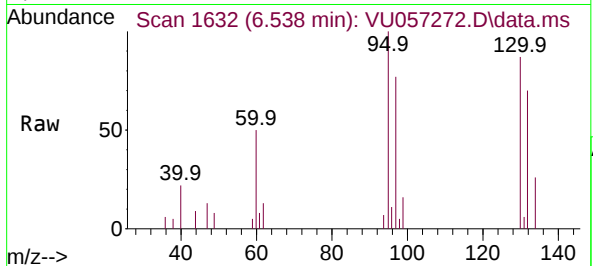


#34
Trichloroethene
Concen: 0.287 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU057272.D
Acq: 27 Dec 2023 08:11

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 4356

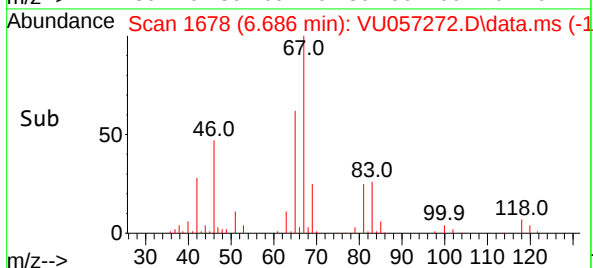
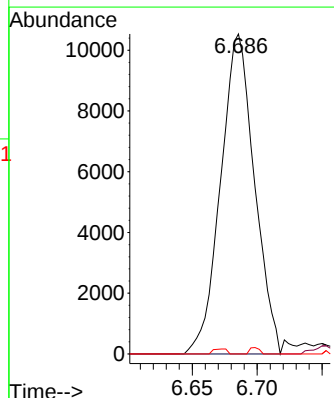
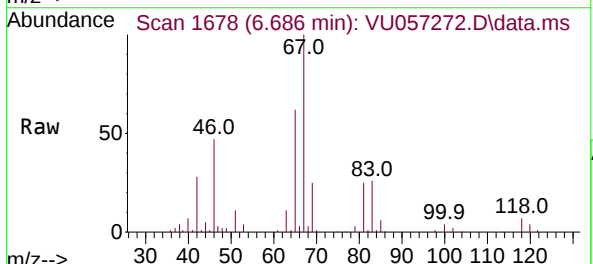
Ion	Ratio	Lower	Upper
95	100		
97	77.1	44.3	82.3
132	70.2	62.6	116.2
130	86.9	62.4	116.0

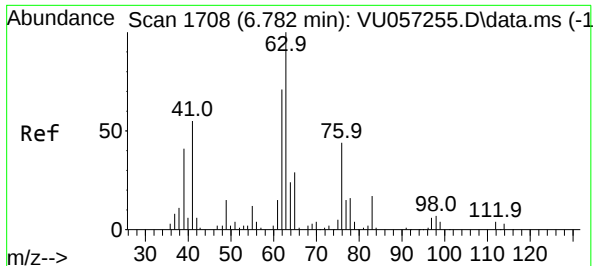


#35
Methylcyclohexane
Concen: 0.954 ug/L
RT: 6.686 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU057272.D
Acq: 27 Dec 2023 08:11

Tgt Ion: 83 Resp: 19066

Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.3	91.9#
98	0.6	36.6	55.0#





#37

1,2-Dichloropropane

Concen: 0.656 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU057272.D

Acq: 27 Dec 2023 08:11

Instrument :

MSVOA_U

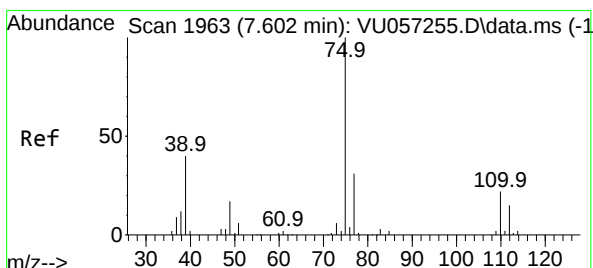
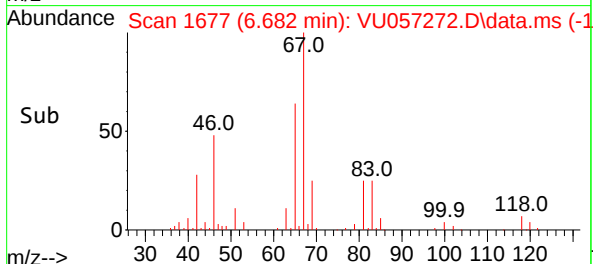
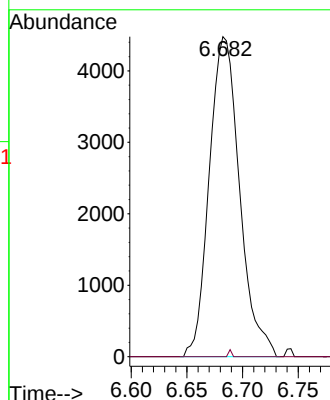
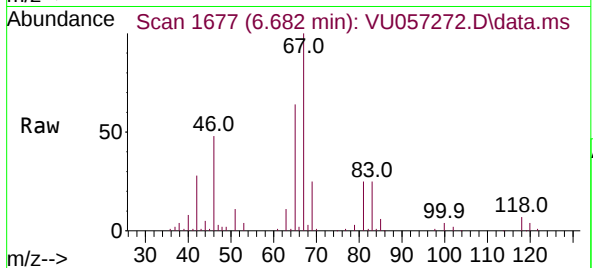
ClientSampleId :

Tgt Ion: 63 Resp: 8478

Ion Ratio Lower Upper

63 100

112 0.2 3.1 4.7#



#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.560 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU057272.D

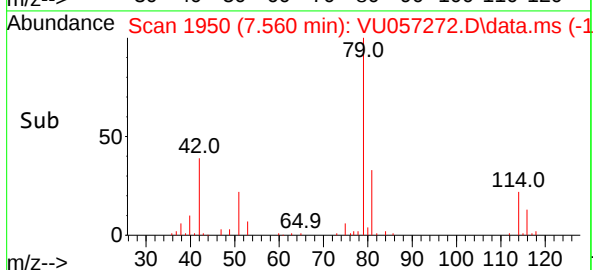
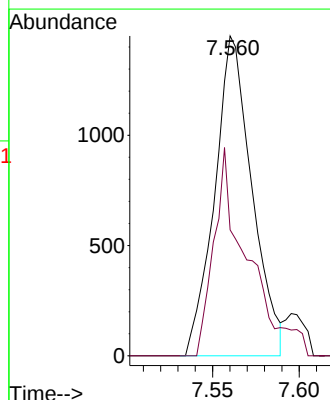
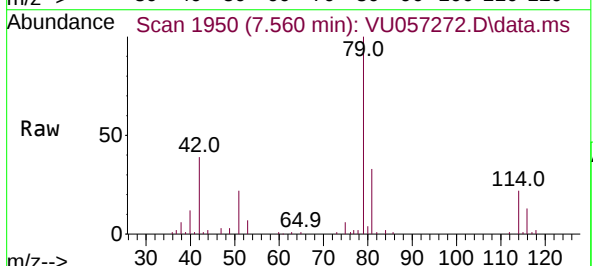
Acq: 27 Dec 2023 08:11

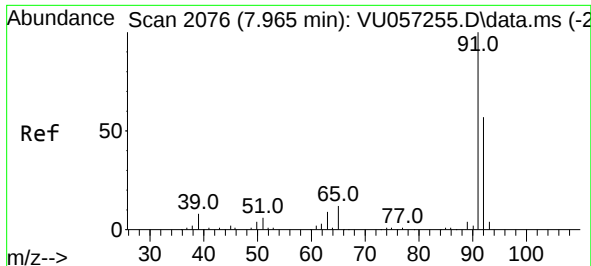
Tgt Ion: 75 Resp: 2174

Ion Ratio Lower Upper

75 100

77 39.4 21.8 40.4





#42

Toluene

Concen: 0.391 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU057272.D

Acq: 27 Dec 2023 08:11

Instrument :

MSVOA_U

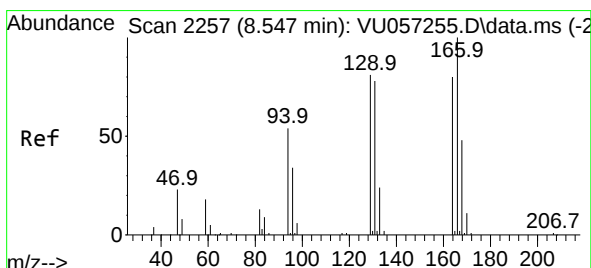
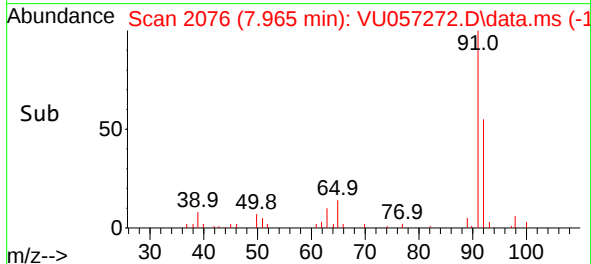
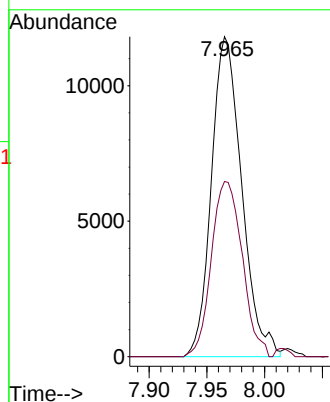
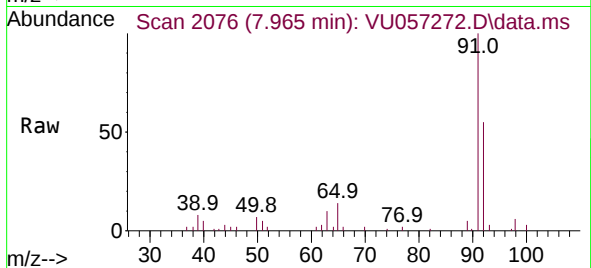
ClientSampleId :

Tgt Ion: 91 Resp: 21546

Ion Ratio Lower Upper

91 100

92 54.8 40.5 75.1



#47

Tetrachloroethene

Concen: 0.207 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU057272.D

Acq: 27 Dec 2023 08:11

Tgt Ion: 164 Resp: 2253

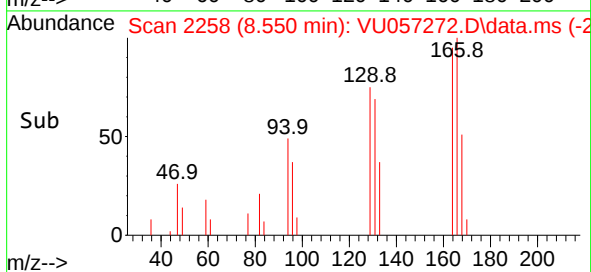
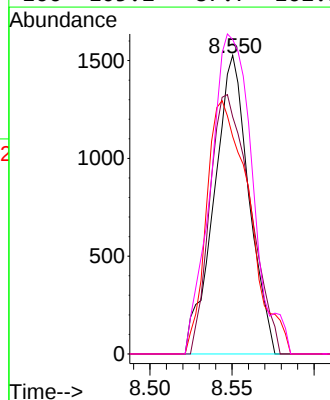
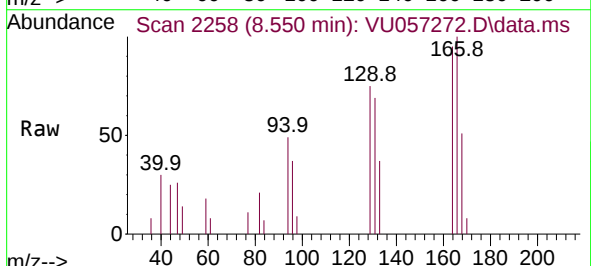
Ion Ratio Lower Upper

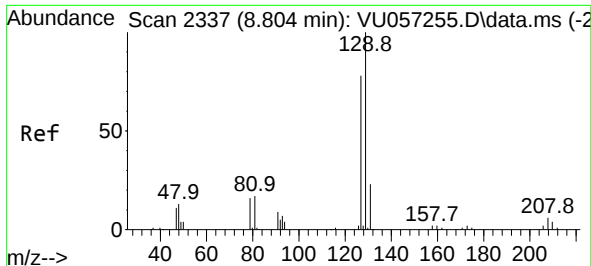
164 100

129 79.4 72.9 135.3

131 72.8 71.7 133.3

166 105.2 87.7 162.9





#49

Dibromochloromethane

Concen: 0.196 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU057272.D

Acq: 27 Dec 2023 08:11

Instrument :

MSVOA_U

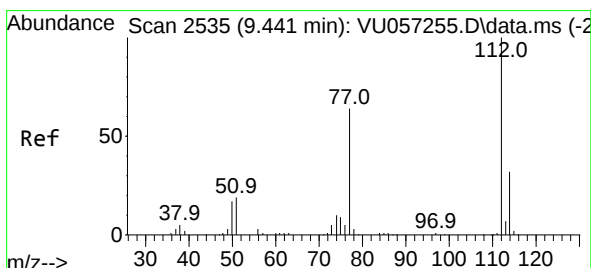
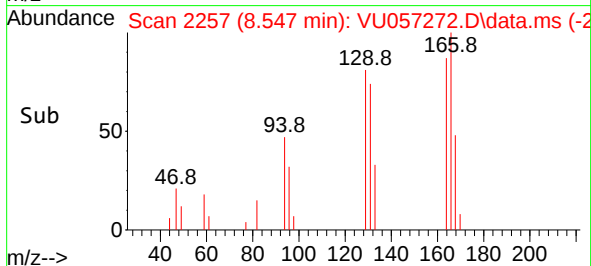
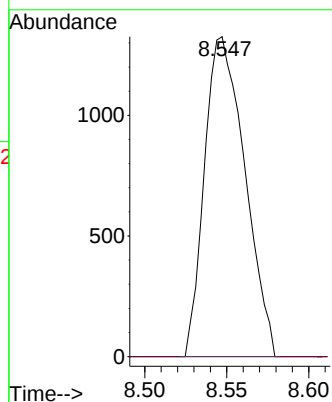
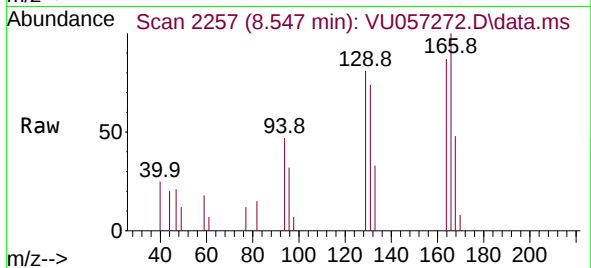
ClientSampleId :

Tgt Ion:129 Resp: 2264

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#51

Chlorobenzene

Concen: 0.237 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057272.D

Acq: 27 Dec 2023 08:11

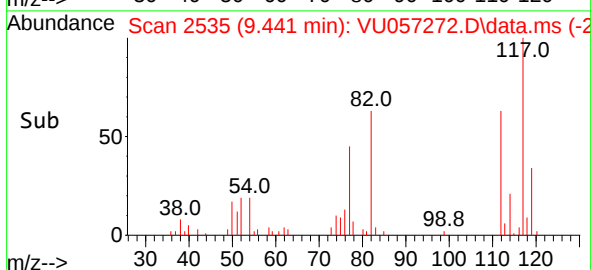
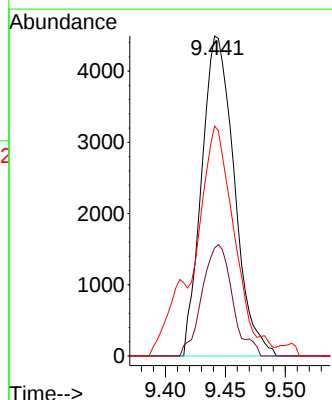
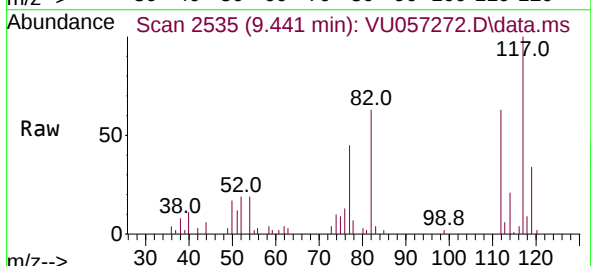
Tgt Ion:112 Resp: 8499

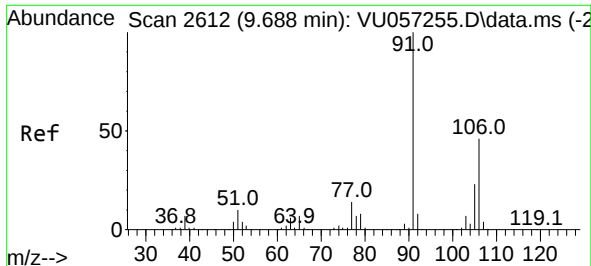
Ion Ratio Lower Upper

112 100

114 31.0 22.7 42.1

77 76.1 52.2 78.2

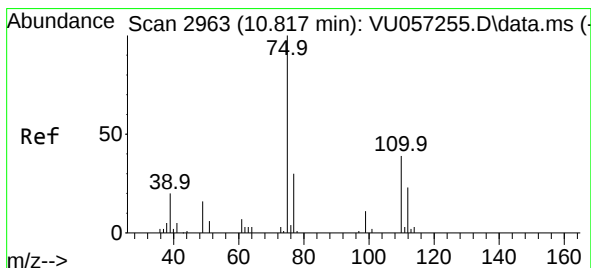
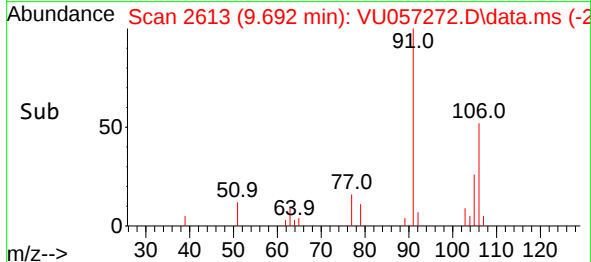
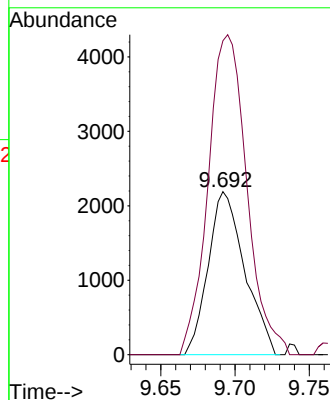
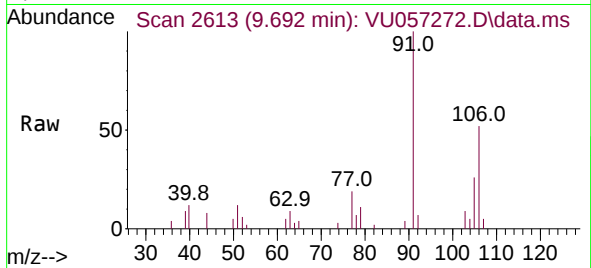




#53
m,p-Xylene
Concen: 0.165 ug/L
RT: 9.692 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU057272.D
Acq: 27 Dec 2023 08:11

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 3747
Ion Ratio Lower Upper
106 100
91 192.5 154.5 286.9



#61
1,2,3-Trichloropropane
Concen: 1.358 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.987 min
Lab File: VU057272.D
Acq: 27 Dec 2023 08:11

Tgt Ion: 75 Resp: 9407
Ion Ratio Lower Upper
75 100
110 2.2 31.2 46.8#
77 34.0 25.5 38.3

