

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055272.D
 Acq On : 13 Sep 2023 05:04
 Operator : MD/SY
 Sample : 04350-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 13 05:37:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 05:34:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	170090	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	172259	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	79059	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	25747	3.230	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	64.600%	
7) Chloroethane-d5	1.907	69	37983	4.116	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	82.400%	
11) 1,1-Dichloroethene-d2	2.563	65	14596	3.213	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	64.200%	
20) 2-Butanone-d5	4.624	46	114474	49.484	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	98.960%	
24) Chloroform-d	5.062	84	89574	4.234	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.600%	
26) 1,2-Dichloroethane-d4	5.698	65	47902	4.526	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.600%	
32) Benzene-d6	5.724	84	162363	3.818	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	76.400%	
36) 1,2-Dichloropropane-d6	6.689	67	57372	4.242	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	84.800%	
41) Toluene-d8	7.897	98	137129	3.501	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	70.000%	
43) trans-1,3-Dichloroprop...	8.180	79	12436	3.339	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	66.800%	
46) 2-Hexanone-d5	8.634	63	63940	42.288	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	84.580%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	42841	4.504	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	90.000%	
66) 1,2-Dichlorobenzene-d4	12.193	152	48324	4.188	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	83.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	2186	0.217	ug/L	98
5) Vinyl chloride	1.602	62	149488	14.082	ug/L	97
12) 1,1-Dichloroethene	2.576	96	53947	6.860	ug/L	85
17) Methyl tert-butyl Ether	3.361	73	16998	0.824	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	5229	0.655	ug/L	82
19) 1,1-Dichloroethane	3.869	63	29040	1.684	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	874848	89.580	ug/L	94
25) Chloroform	5.081	83	10778	0.600	ug/L	99
27) 1,2-Dichloroethane	5.798	62	6566	0.599	ug/L #	89
31) Carbon tetrachloride	5.525	117	3887	0.314	ug/L	83
33) Benzene	5.775	78	7399	0.202	ug/L	100
34) Trichloroethene	6.541	95	848205	83.247	ug/L	97
35) Methylcyclohexane	6.689	83	13455	0.941	ug/L #	19
37) 1,2-Dichloropropane	6.689	63	6552	0.656	ug/L #	88
47) Tetrachloroethene	8.553	164	8327	1.182	ug/L	93
48) 2-Hexanone	8.682	43	19012	4.263	ug/L #	88
49) Dibromochloromethane	8.553	129	8804	1.200	ug/L #	9
51) Chlorobenzene	9.447	112	5055	0.195	ug/L	99
61) 1,2,3-Trichloropropane	11.810	75	11481	2.188	ug/L #	69

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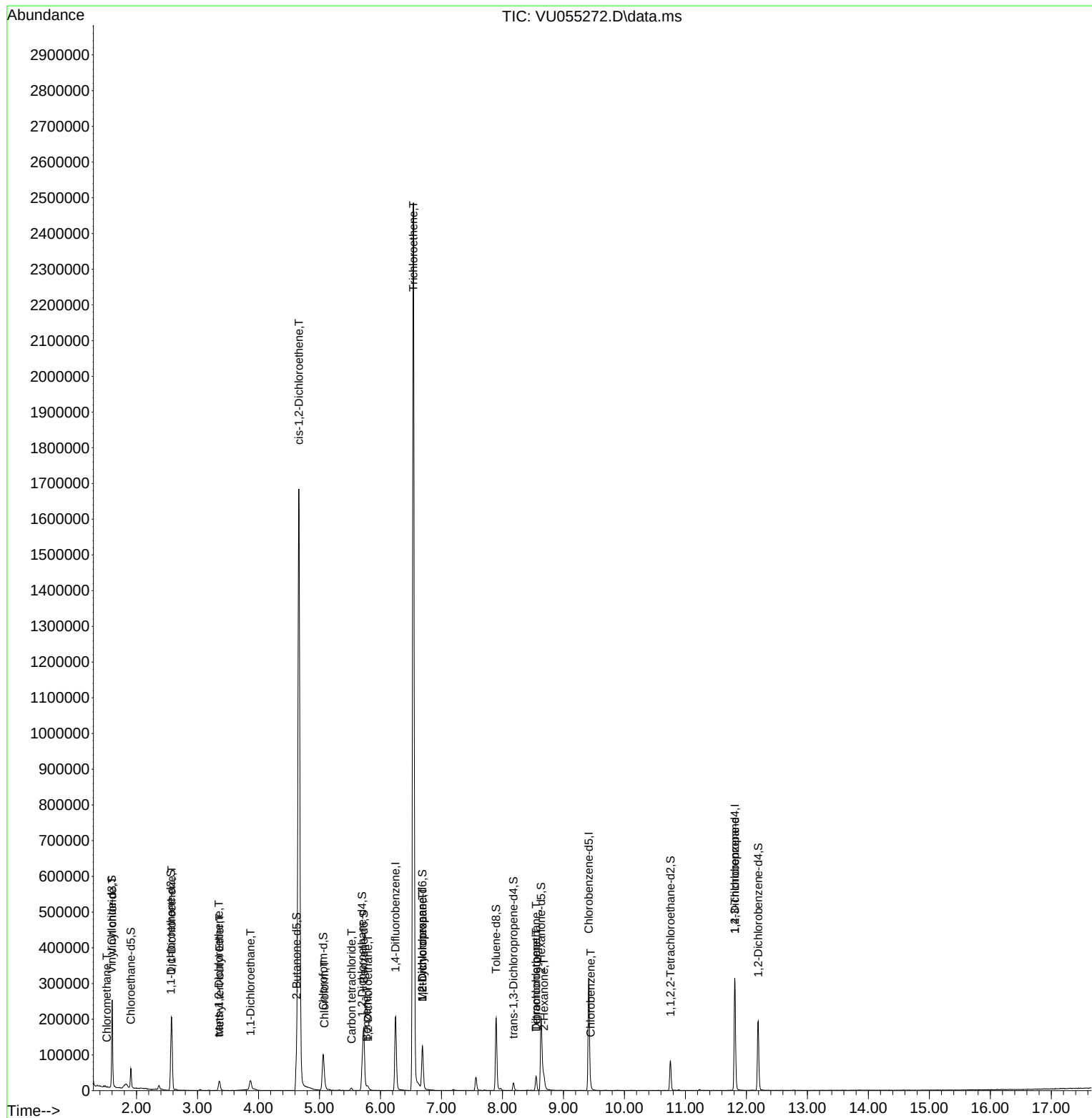
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

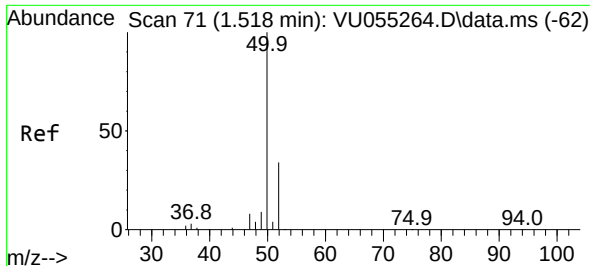
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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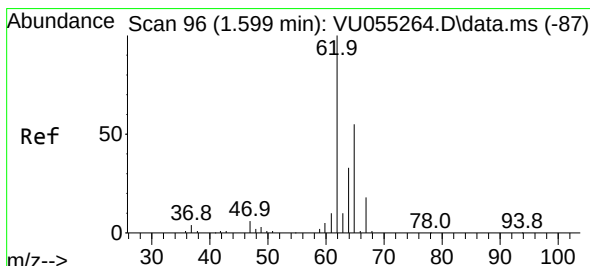
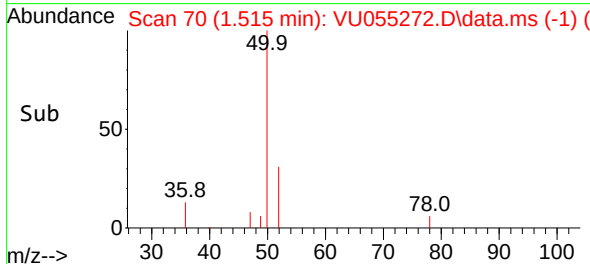
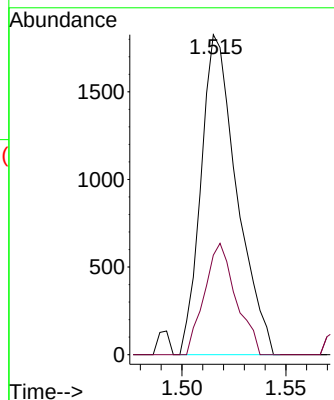
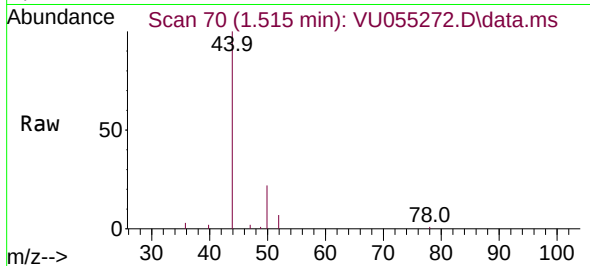




#3
Chloromethane
Concen: 0.217 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU055272.D
Acq: 13 Sep 2023 05:04

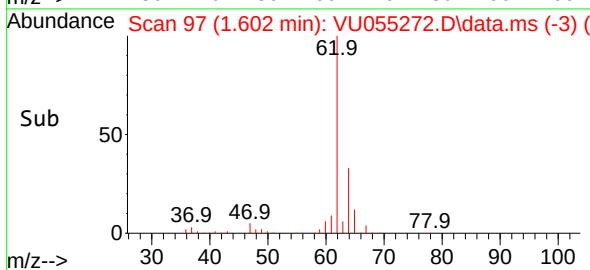
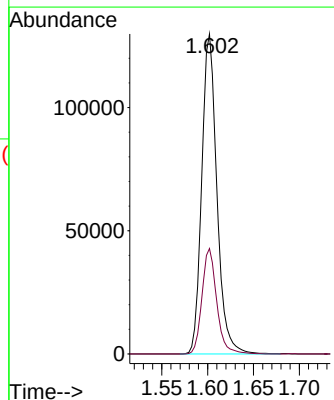
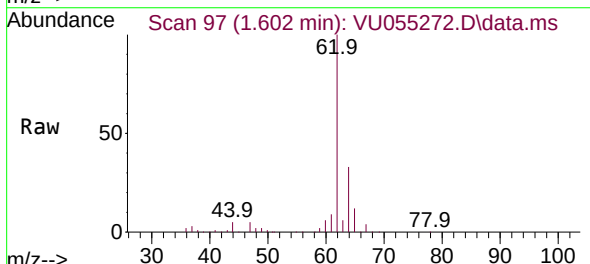
Instrument :
MSVOA_U
ClientSampleId :

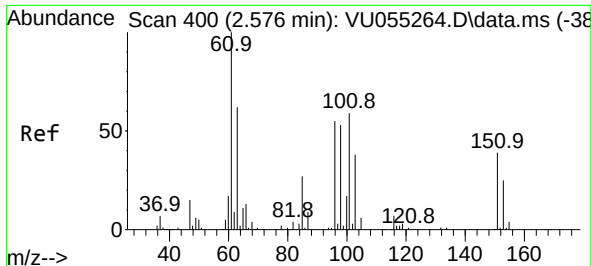
Tgt Ion: 50 Resp: 2186
Ion Ratio Lower Upper
50 100
52 31.1 22.5 41.7



#5
Vinyl chloride
Concen: 14.082 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU055272.D
Acq: 13 Sep 2023 05:04

Tgt Ion: 62 Resp: 149488
Ion Ratio Lower Upper
62 100
64 33.0 24.2 45.0





#12

1,1-Dichloroethene

Concen: 6.860 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055272.D

Acq: 13 Sep 2023 05:04

Instrument :

MSVOA_U

ClientSampleId :

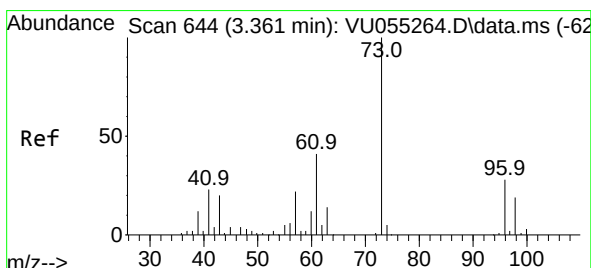
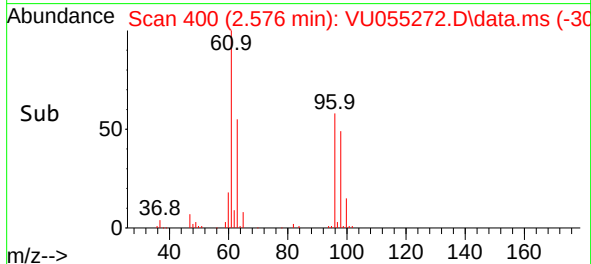
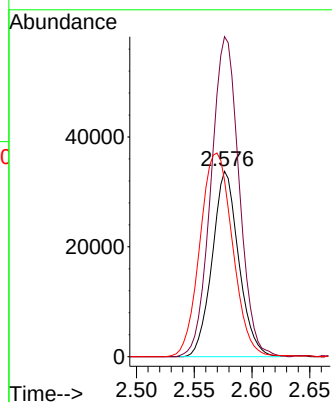
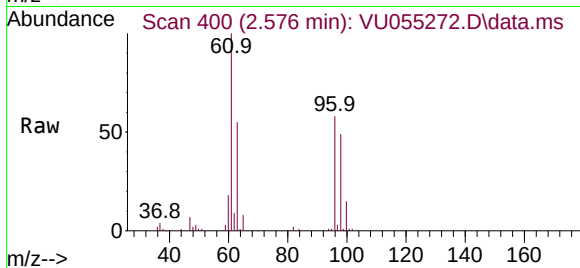
Tgt Ion: 96 Resp: 53947

Ion Ratio Lower Upper

96 100

61 172.6 120.8 224.4

63 95.2 94.5 175.5



#17

Methyl tert-butyl Ether

Concen: 0.824 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.000 min

Lab File: VU055272.D

Acq: 13 Sep 2023 05:04

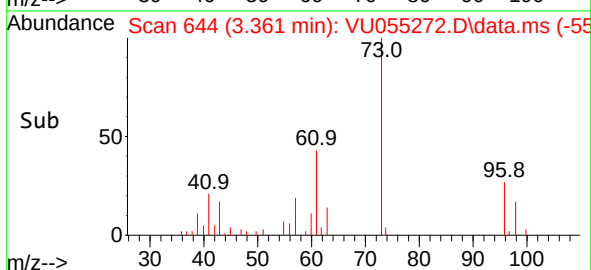
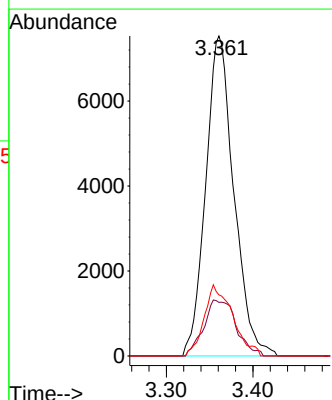
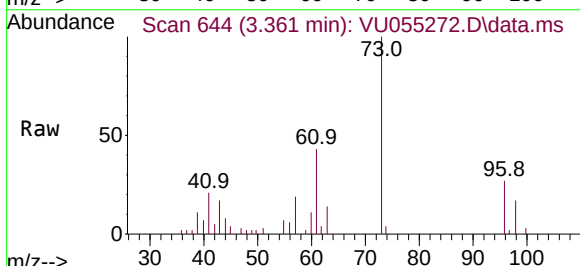
Tgt Ion: 73 Resp: 16998

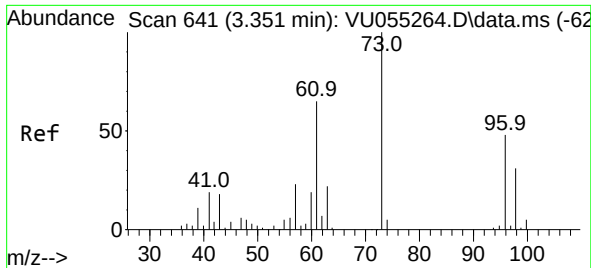
Ion Ratio Lower Upper

73 100

43 20.1 16.2 24.2

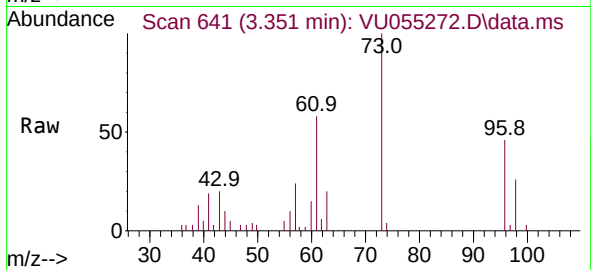
57 22.4 17.4 26.2





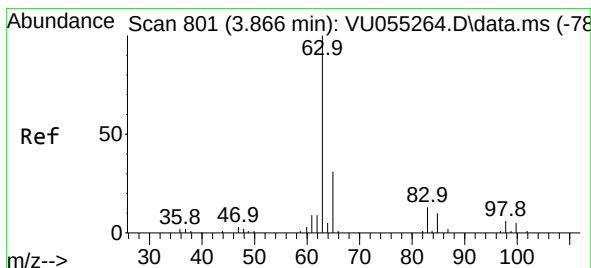
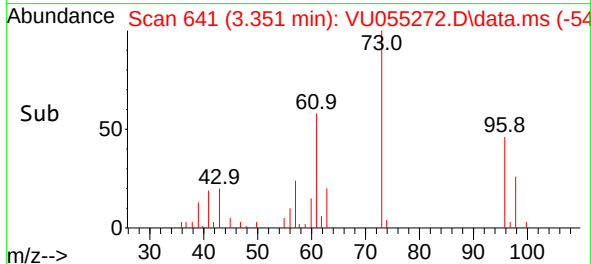
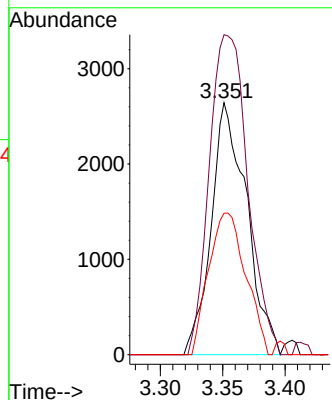
#18
 trans-1,2-Dichloroethene
 Concen: 0.655 ug/L
 RT: 3.351 min Scan# 641
 Delta R.T. -0.000 min
 Lab File: VU055272.D
 Acq: 13 Sep 2023 05:04

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 5229

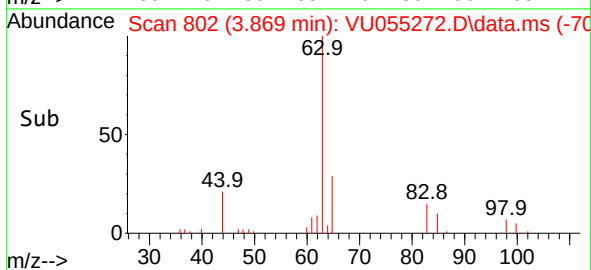
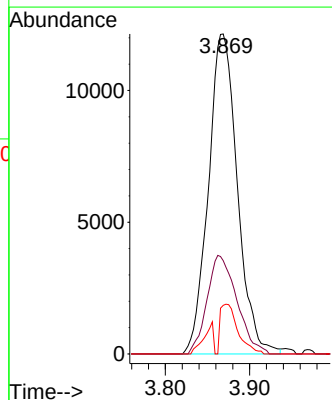
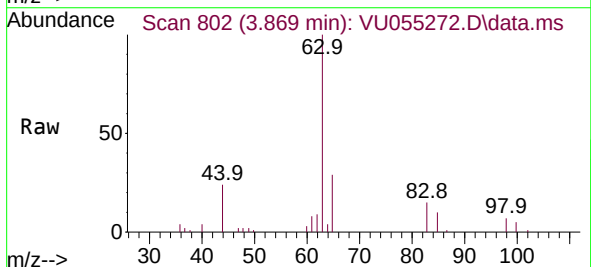
Ion	Ratio	Lower	Upper
96	100		
61	127.0	108.1	200.9
98	56.1	45.4	84.4

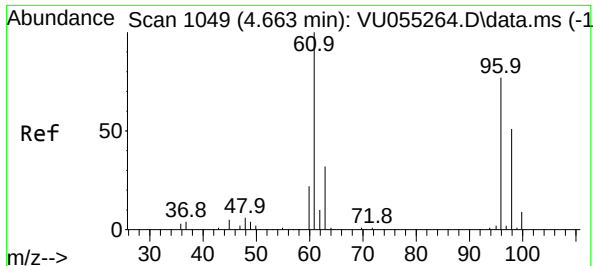


#19
 1,1-Dichloroethane
 Concen: 1.684 ug/L
 RT: 3.869 min Scan# 802
 Delta R.T. 0.003 min
 Lab File: VU055272.D
 Acq: 13 Sep 2023 05:04

Tgt Ion: 63 Resp: 29040

Ion	Ratio	Lower	Upper
63	100		
65	29.2	22.2	41.2
83	15.2	10.6	19.8





#22

cis-1,2-Dichloroethene

Concen: 89.580 ug/L

RT: 4.663 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU055272.D

Acq: 13 Sep 2023 05:04

Instrument :

MSVOA_U

ClientSampleId :

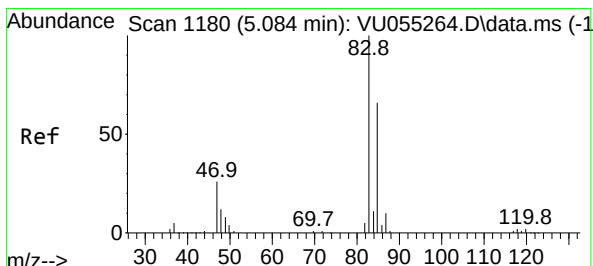
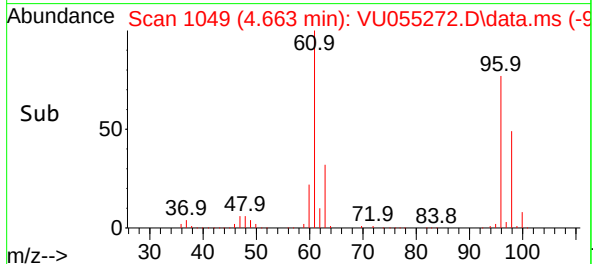
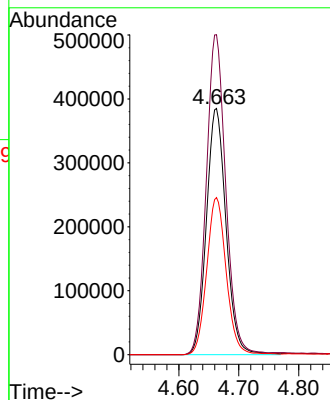
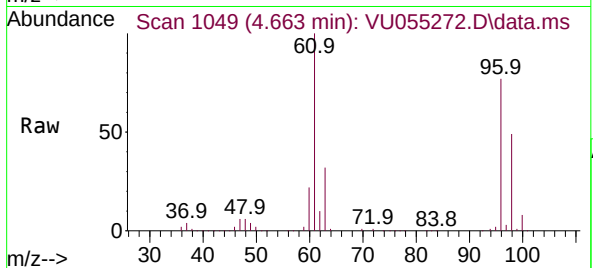
Tgt Ion: 96 Resp: 874848

Ion Ratio Lower Upper

96 100

61 130.0 97.2 180.4

98 63.8 46.1 85.7



#25

Chloroform

Concen: 0.600 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU055272.D

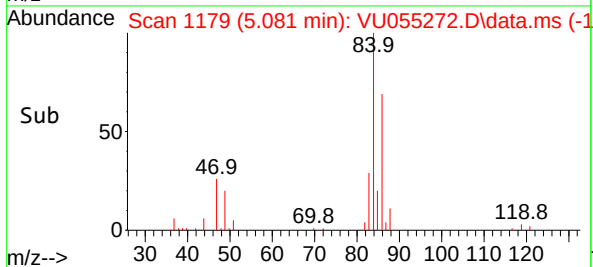
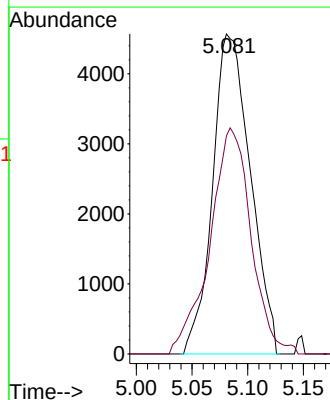
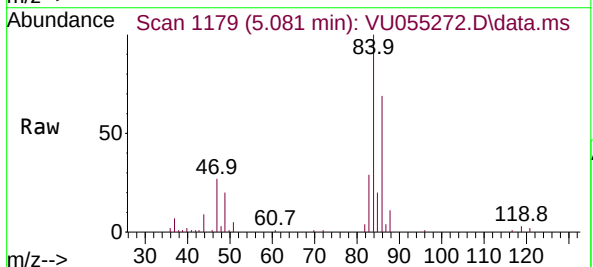
Acq: 13 Sep 2023 05:04

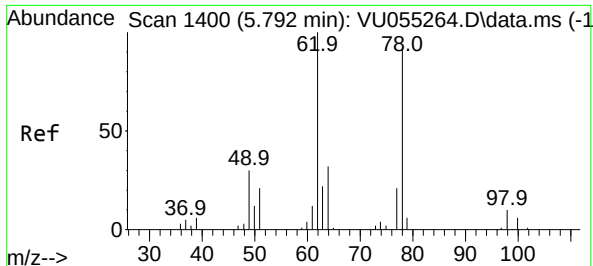
Tgt Ion: 83 Resp: 10778

Ion Ratio Lower Upper

83 100

85 68.2 47.2 87.6





#27

1,2-Dichloroethane

Concen: 0.599 ug/L

RT: 5.798 min Scan# 14

Delta R.T. 0.006 min

Lab File: VU055272.D

Acq: 13 Sep 2023 05:04

Instrument :

MSVOA_U

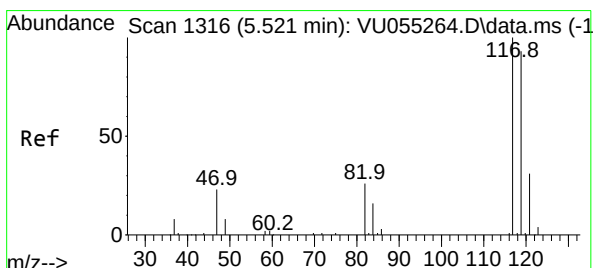
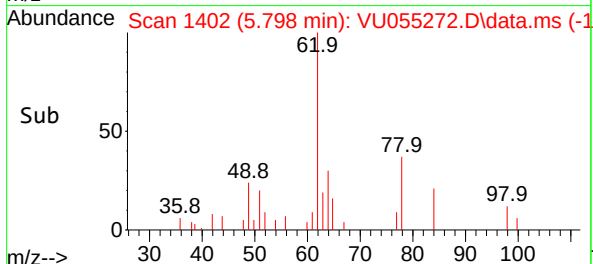
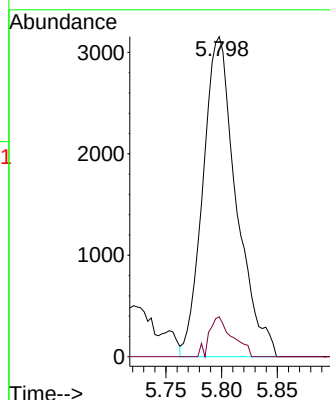
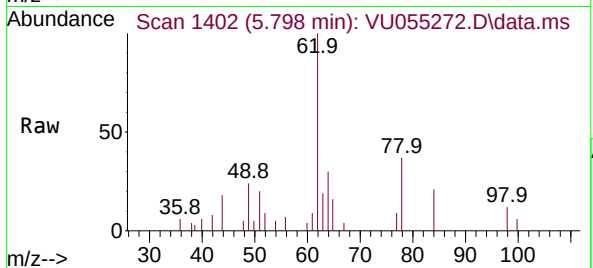
ClientSampleId :

Tgt Ion: 62 Resp: 6566

Ion Ratio Lower Upper

62 100

98 12.5 6.9 10.3#



#31

Carbon tetrachloride

Concen: 0.314 ug/L

RT: 5.525 min Scan# 1317

Delta R.T. 0.003 min

Lab File: VU055272.D

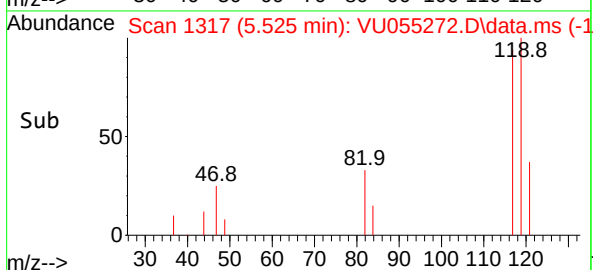
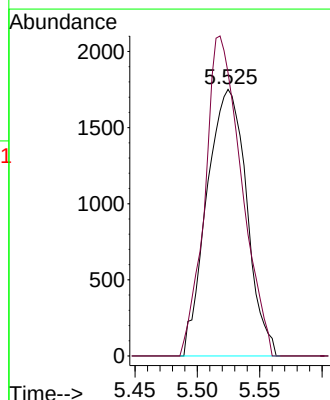
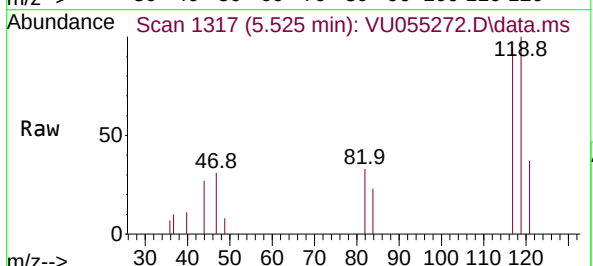
Acq: 13 Sep 2023 05:04

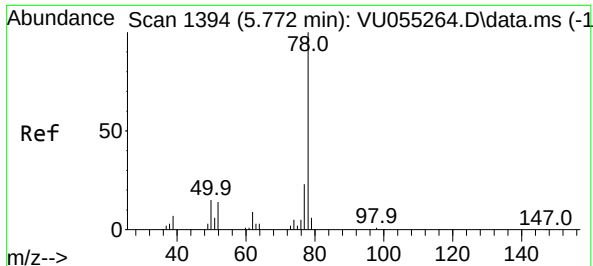
Tgt Ion: 117 Resp: 3887

Ion Ratio Lower Upper

117 100

119 110.2 75.4 113.0

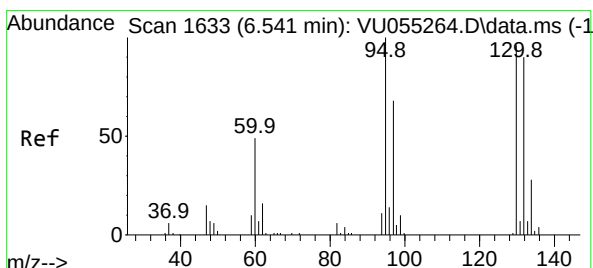
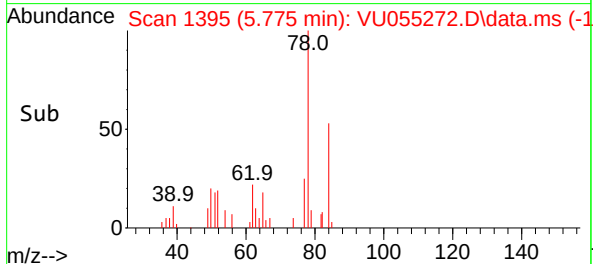
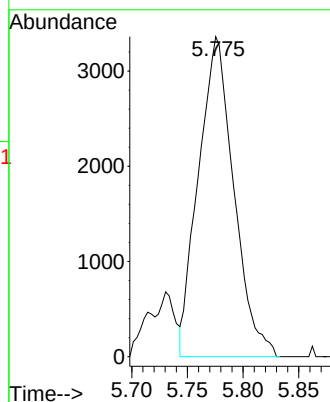
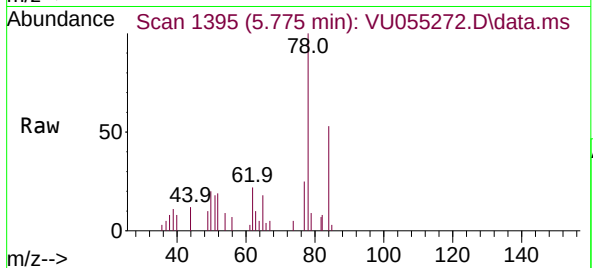




#33
Benzene
Concen: 0.202 ug/L
RT: 5.775 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055272.D
Acq: 13 Sep 2023 05:04

Instrument :
MSVOA_U
ClientSampleId :

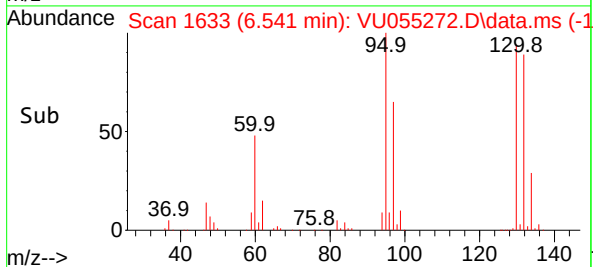
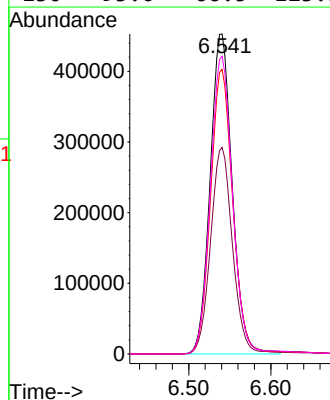
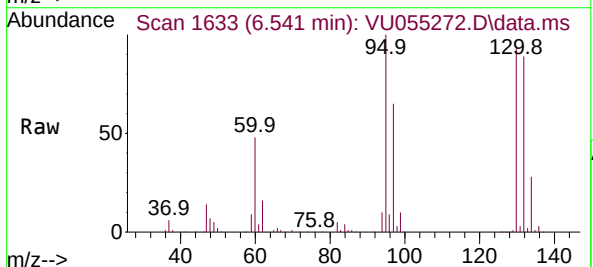
Tgt Ion: 78 Resp: 7399

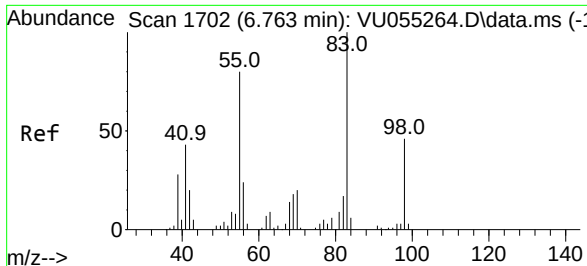


#34
Trichloroethene
Concen: 83.247 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055272.D
Acq: 13 Sep 2023 05:04

Tgt Ion: 95 Resp: 848205

Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.7	83.1
132	89.0	66.6	123.6
130	93.0	66.5	123.5

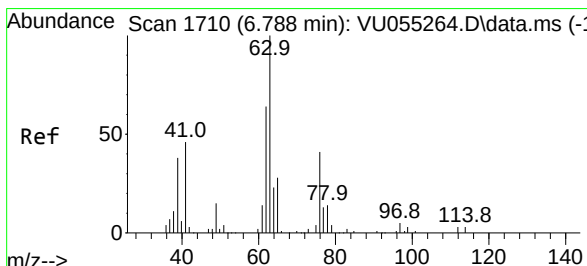
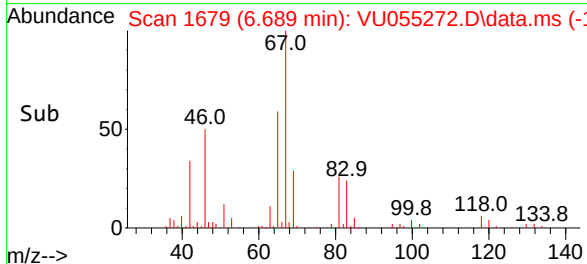
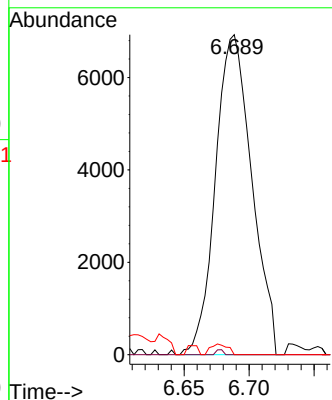
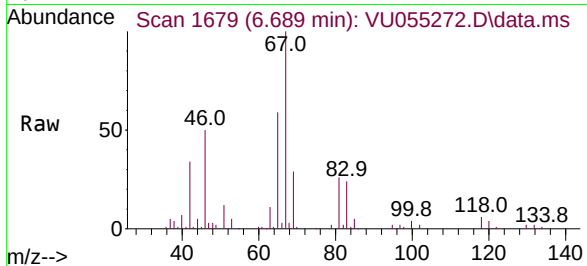




#35
Methylcyclohexane
Concen: 0.941 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.074 min
Lab File: VU055272.D
Acq: 13 Sep 2023 05:04

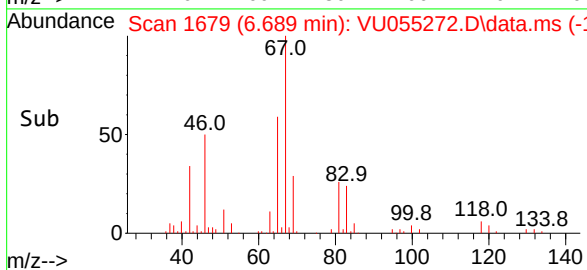
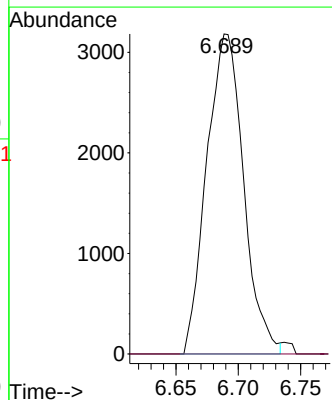
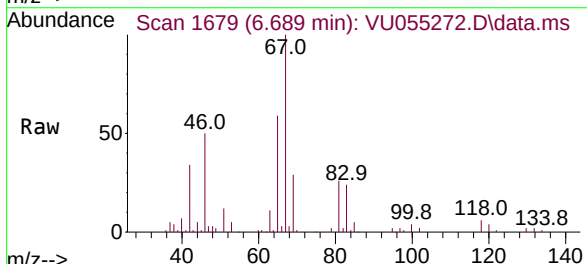
Instrument :
MSVOA_U
ClientSampleId :

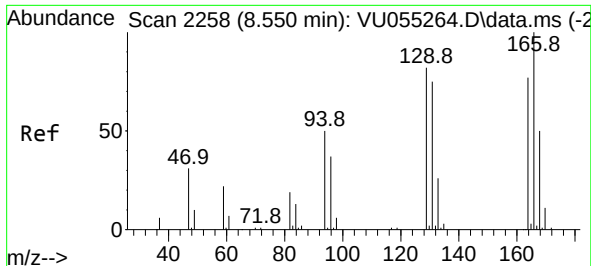
Tgt Ion: 83 Resp: 13455
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 0.0 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.656 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU055272.D
Acq: 13 Sep 2023 05:04

Tgt Ion: 63 Resp: 6552
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 1.182 ug/L

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

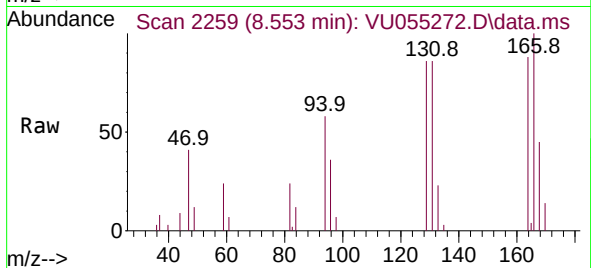
Lab File: VU055272.D

Acq: 13 Sep 2023 05:04

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 8327

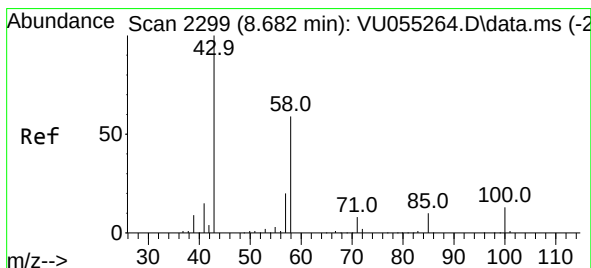
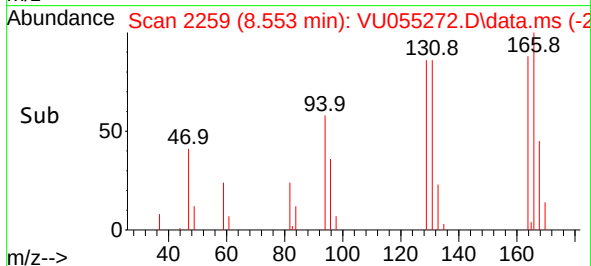
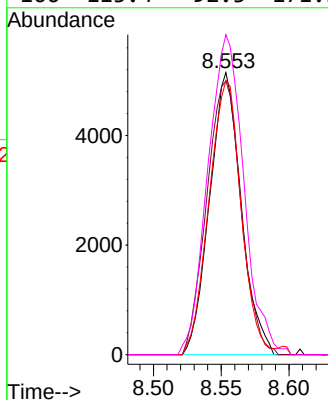
Ion Ratio Lower Upper

164 100

129 97.1 69.2 128.6

131 97.2 68.8 127.8

166 113.4 92.3 171.5



#48

2-Hexanone

Concen: 4.263 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VU055272.D

Acq: 13 Sep 2023 05:04

Tgt Ion: 43 Resp: 19012

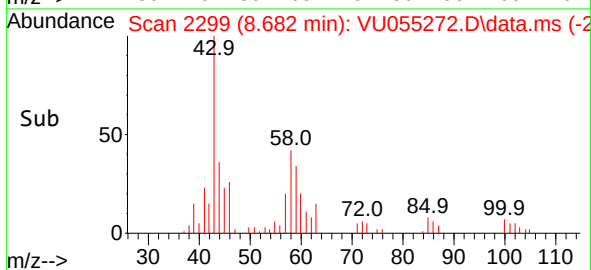
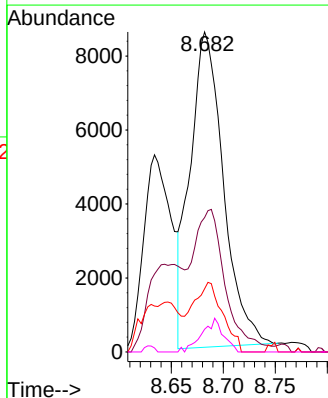
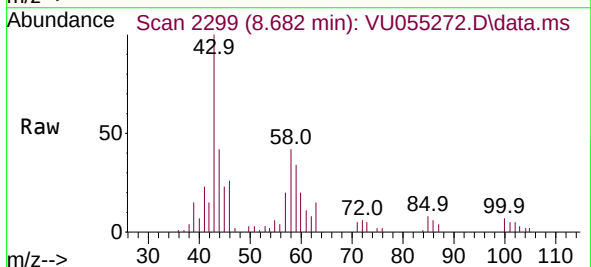
Ion Ratio Lower Upper

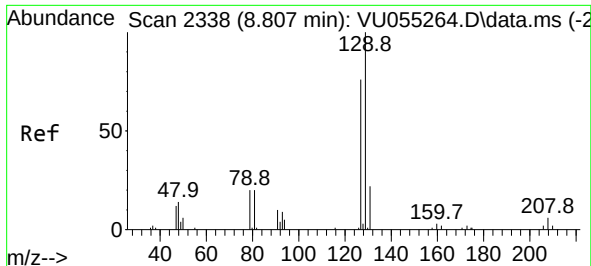
43 100

58 44.1 44.0 66.0

57 19.3 16.2 24.2

100 6.8 9.0 13.4#





#49

Dibromochloromethane

Concen: 1.200 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU055272.D

Acq: 13 Sep 2023 05:04

Instrument :

MSVOA_U

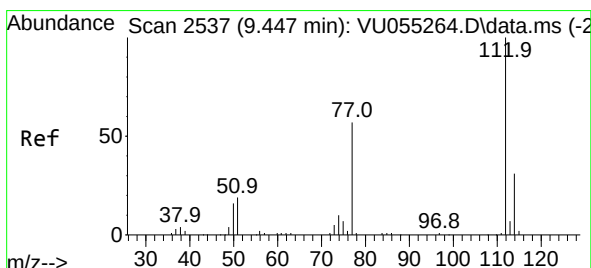
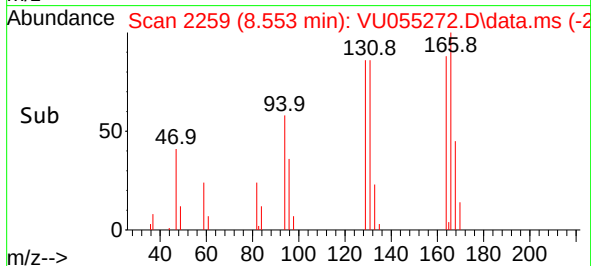
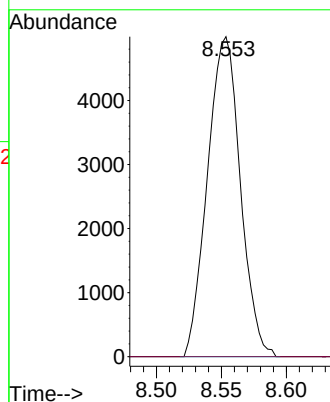
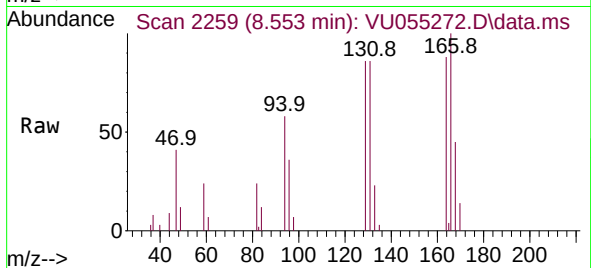
ClientSampleId :

Tgt Ion:129 Resp: 8804

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#51

Chlorobenzene

Concen: 0.195 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. -0.000 min

Lab File: VU055272.D

Acq: 13 Sep 2023 05:04

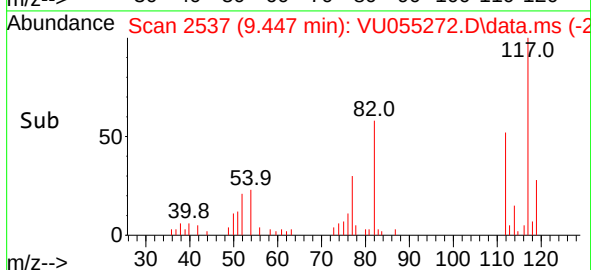
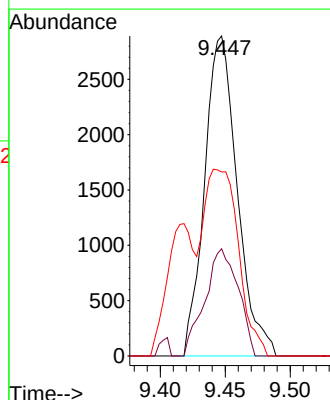
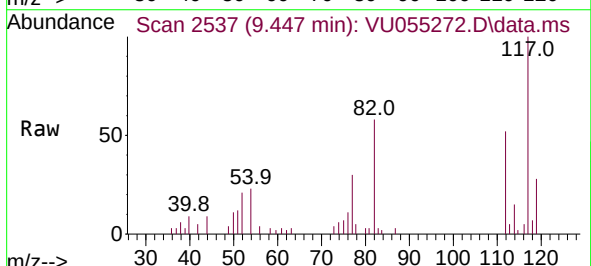
Tgt Ion:112 Resp: 5055

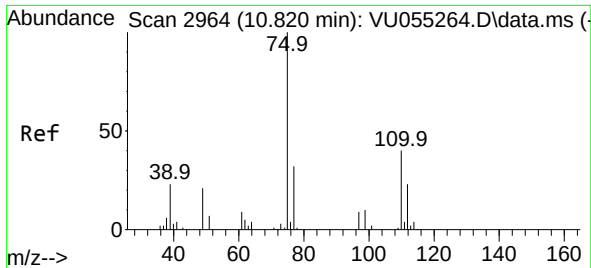
Ion Ratio Lower Upper

112 100

114 30.5 21.7 40.3

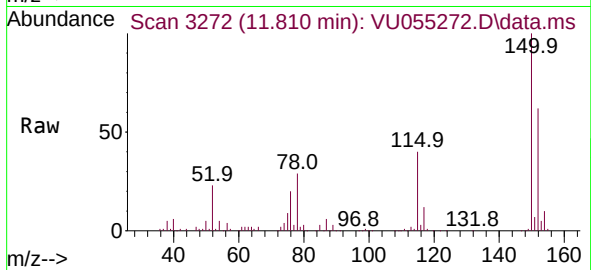
77 61.5 48.6 72.8





#61
 1,2,3-Trichloropropane
 Concen: 2.188 ug/L
 RT: 11.810 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU055272.D
 Acq: 13 Sep 2023 05:04

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 11481
 Ion Ratio Lower Upper
 75 100
 110 2.6 28.2 42.2#
 77 34.8 26.2 39.4

