

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055212.D
 Acq On : 08 Sep 2023 02:08
 Operator : MD/SY
 Sample : 04307-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 06:39:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 06:18:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	175565	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.419	117	180294	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	90416	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	26784	3.255	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.200%
7) Chloroethane-d5	1.911	69	37370	3.923	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.563	65	17856	3.809	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.200%
20) 2-Butanone-d5	4.628	46	138554	58.025	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.060%
24) Chloroform-d	5.062	84	101901	4.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.698	65	53091	4.860	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.724	84	195172	4.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.689	67	65972	4.661	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.898	98	165778	4.044	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
43) trans-1,3-Dichloroprop...	8.181	79	14918	3.827	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.600%
46) 2-Hexanone-d5	8.634	63	71828	45.388	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.780%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	51452	5.169	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	62181	4.712	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.519	50	1641	0.158	ug/L	85
5) Vinyl chloride	1.599	62	2399	0.219	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	1895	0.204	ug/L #	29
17) Methyl tert-butyl Ether	3.364	73	6914	0.325	ug/L #	89
18) trans-1,2-Dichloroethene	3.354	96	5781	0.702	ug/L	82
19) 1,1-Dichloroethane	3.866	63	7950	0.447	ug/L #	91
22) cis-1,2-Dichloroethene	4.663	96	219678	21.792	ug/L	96
25) Chloroform	5.081	83	9526	0.514	ug/L	91
31) Carbon tetrachloride	5.531	117	2550	0.197	ug/L #	80
34) Trichloroethene	6.541	95	111785	10.482	ug/L	98
35) Methylcyclohexane	6.692	83	15048	1.006	ug/L #	32
37) 1,2-Dichloropropane	6.692	63	7445	0.713	ug/L #	88
45) 1,1,2-Trichloroethane	8.399	97	1192	0.169	ug/L #	66
47) Tetrachloroethene	8.554	164	50515	6.854	ug/L	98
48) 2-Hexanone	8.682	43	23302	4.992	ug/L #	82
49) Dibromochloromethane	8.550	129	51643	6.723	ug/L #	9
69) 1,3,5-Trichlorobenzene	13.840	180	29820	1.950	ug/L	99
70) 1,2,4-trichlorobenzene	13.840	180	29820	2.079	ug/L	97
72) 1,2,3-Trichlorobenzene	14.332	180	11085	0.890	ug/L	89

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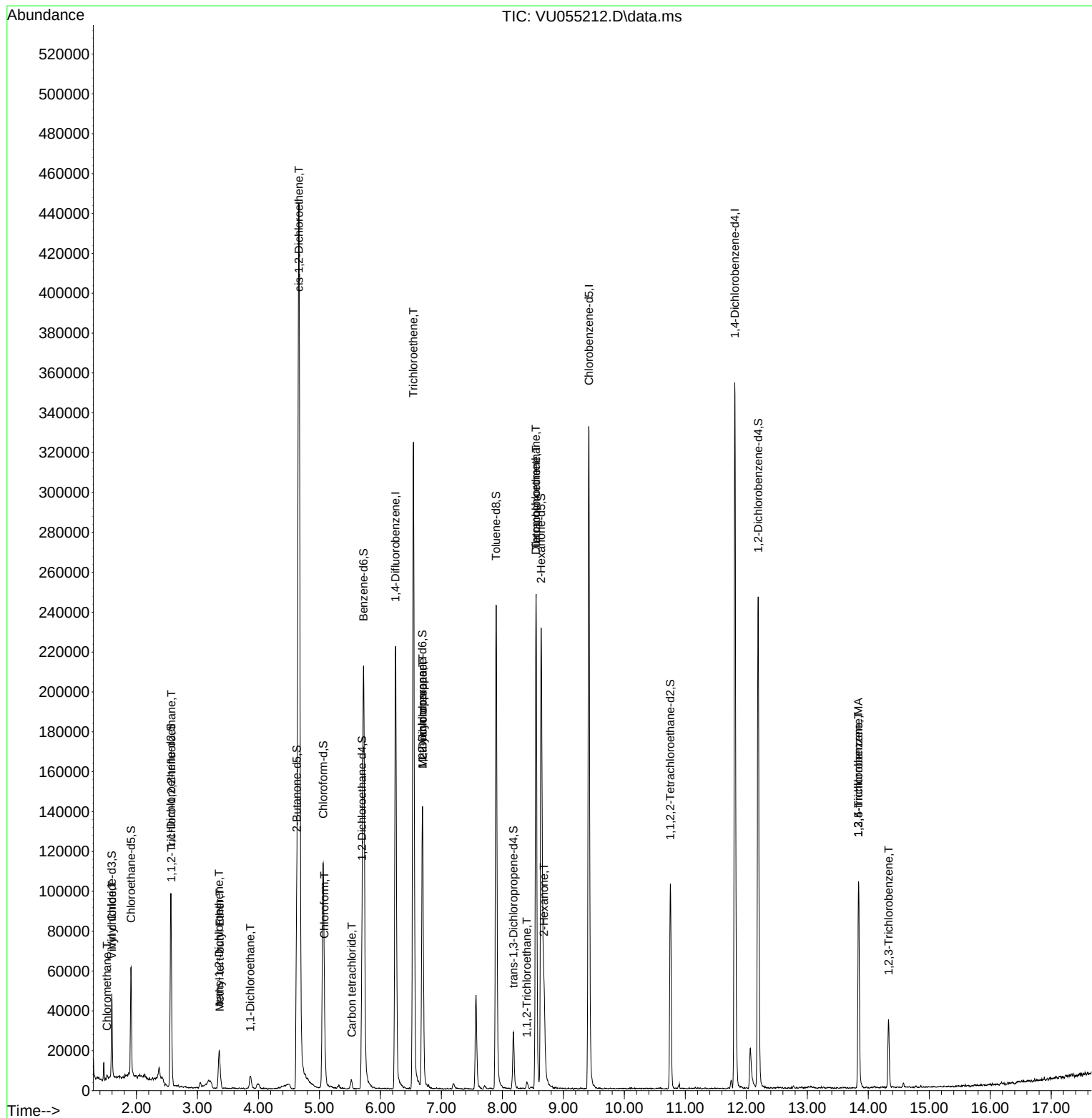
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

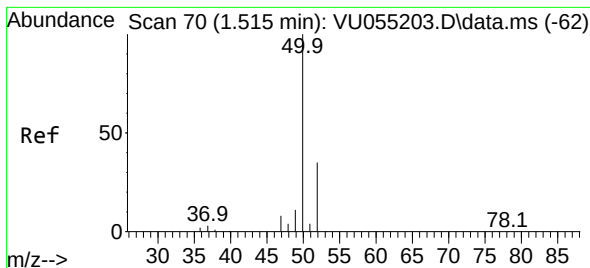
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.158 ug/L

RT: 1.519 min Scan# 70

Delta R.T. 0.003 min

Lab File: VU055212.D

Acq: 08 Sep 2023 02:08

Instrument :

MSVOA_U

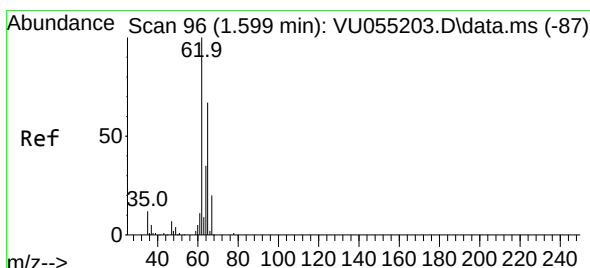
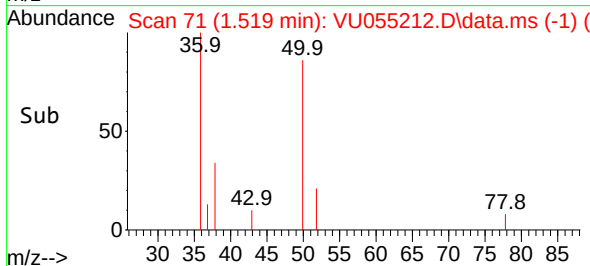
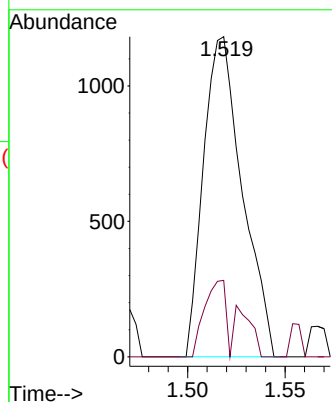
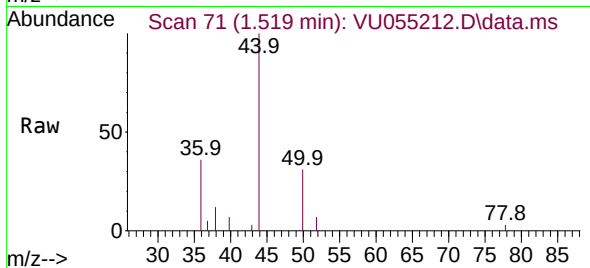
ClientSampleId :

Tgt Ion: 50 Resp: 1641

Ion Ratio Lower Upper

50 100

52 23.9 22.5 41.7



#5

Vinyl chloride

Concen: 0.219 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU055212.D

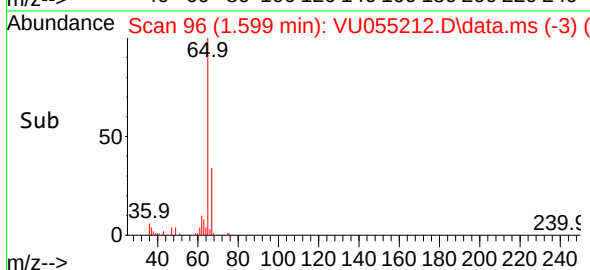
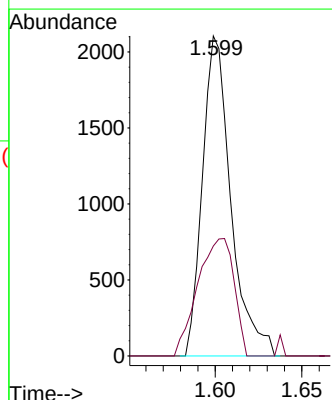
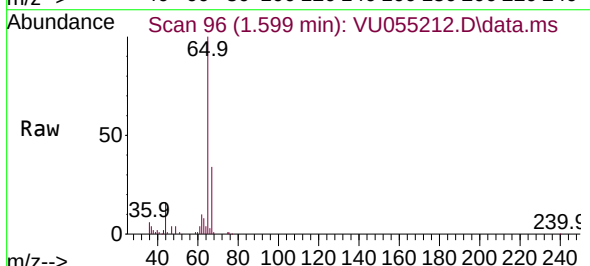
Acq: 08 Sep 2023 02:08

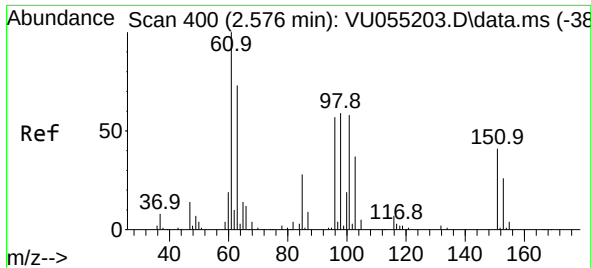
Tgt Ion: 62 Resp: 2399

Ion Ratio Lower Upper

62 100

64 34.3 24.2 45.0

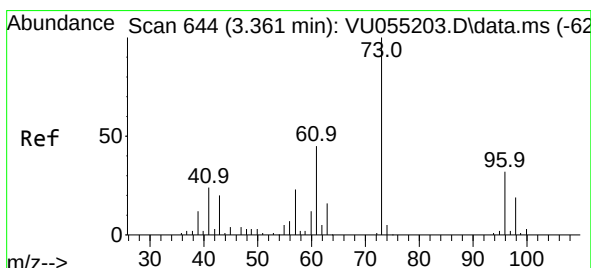
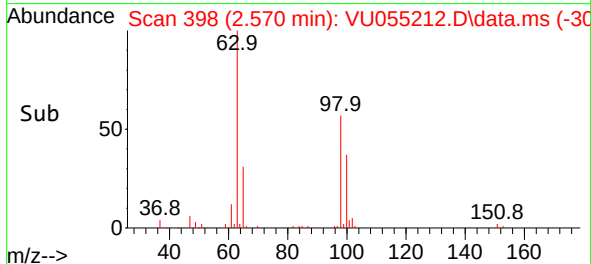
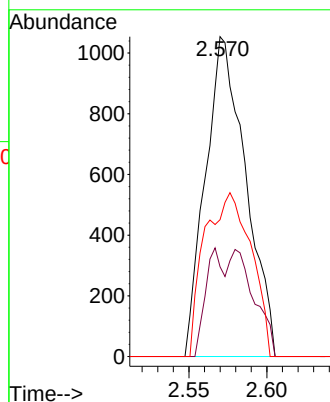
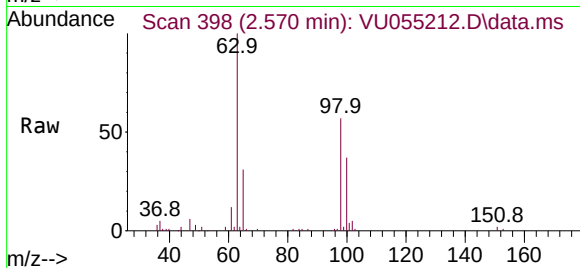




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.204 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU055212.D
 Acq: 08 Sep 2023 02:08

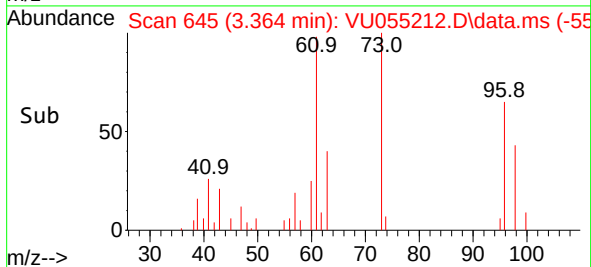
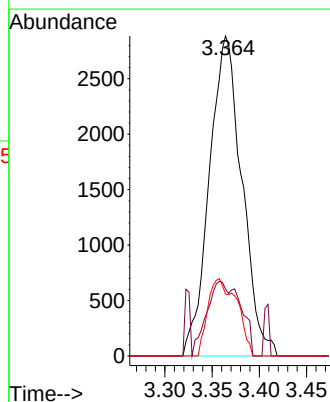
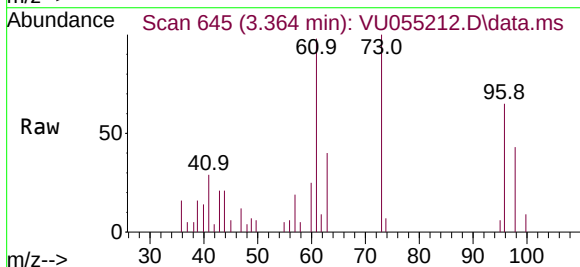
Instrument :
 MSVOA_U
 ClientSampleId :

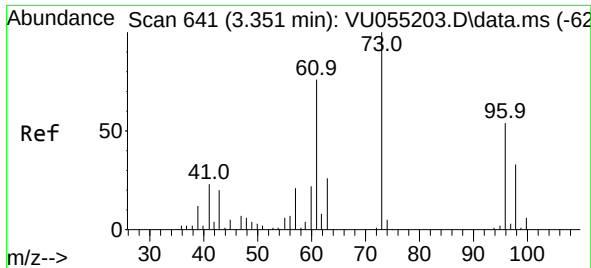
Tgt Ion:101 Resp: 1895
 Ion Ratio Lower Upper
 101 100
 85 15.7 37.3 55.9#
 151 0.0 57.6 86.4#



#17
 Methyl tert-butyl Ether
 Concen: 0.325 ug/L
 RT: 3.364 min Scan# 645
 Delta R.T. 0.003 min
 Lab File: VU055212.D
 Acq: 08 Sep 2023 02:08

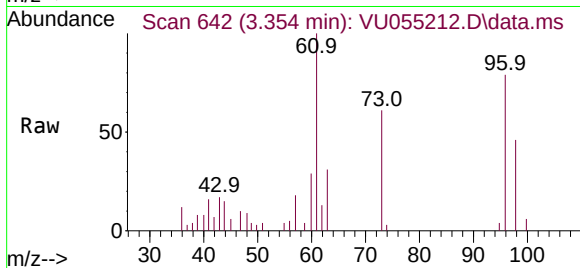
Tgt Ion: 73 Resp: 6914
 Ion Ratio Lower Upper
 73 100
 43 10.4 16.2 24.2#
 57 21.5 17.4 26.2





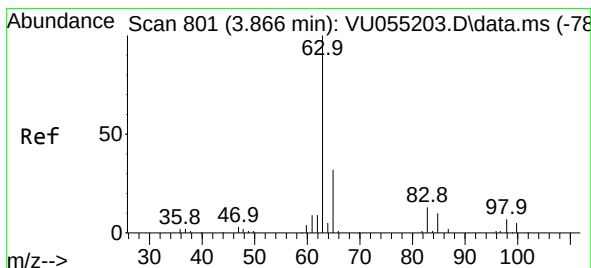
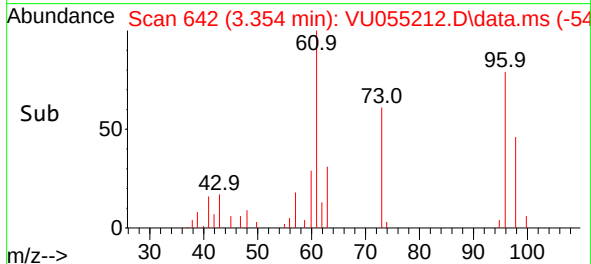
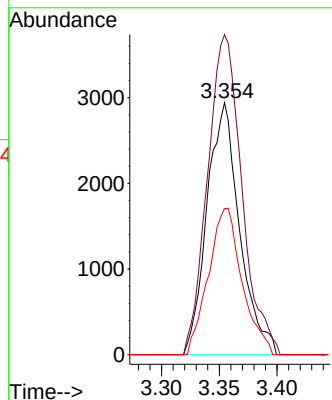
#18
 trans-1,2-Dichloroethene
 Concen: 0.702 ug/L
 RT: 3.354 min Scan# 641
 Delta R.T. 0.003 min
 Lab File: VU055212.D
 Acq: 08 Sep 2023 02:08

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 5781

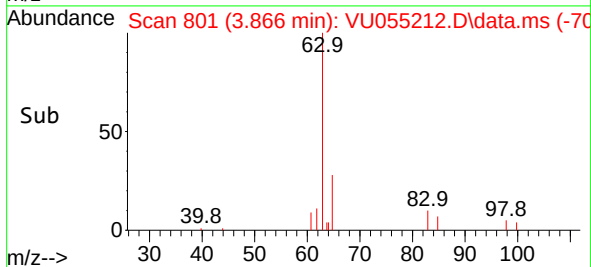
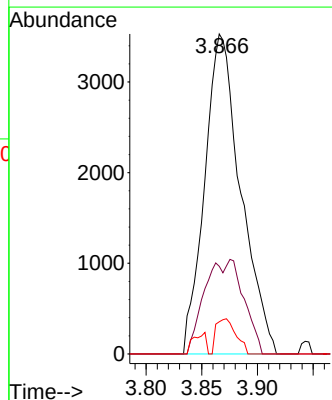
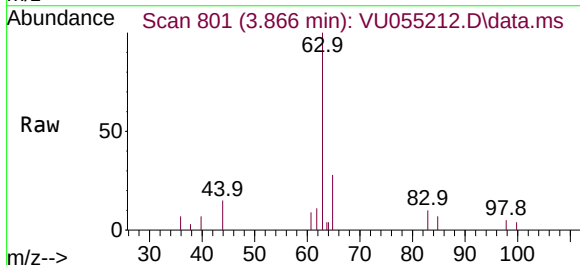
Ion	Ratio	Lower	Upper
96	100		
61	127.0	108.1	200.9
98	58.0	45.4	84.4

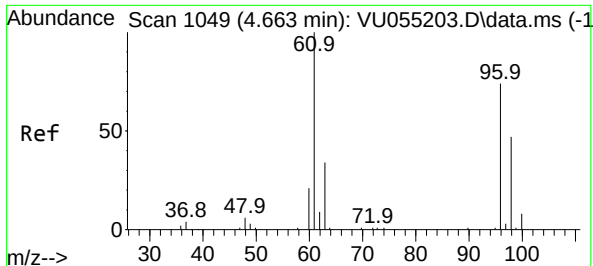


#19
 1,1-Dichloroethane
 Concen: 0.447 ug/L
 RT: 3.866 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: VU055212.D
 Acq: 08 Sep 2023 02:08

Tgt Ion: 63 Resp: 7950

Ion	Ratio	Lower	Upper
63	100		
65	27.4	22.2	41.2
83	10.1	10.6	19.8





#22

cis-1,2-Dichloroethene

Concen: 21.792 ug/L

RT: 4.663 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU055212.D

Acq: 08 Sep 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

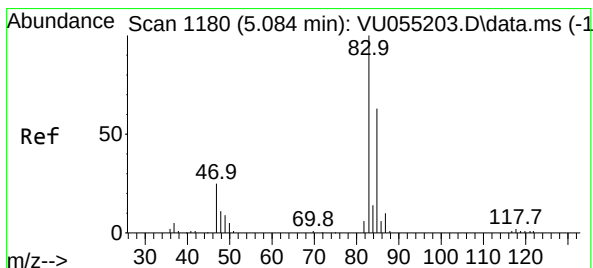
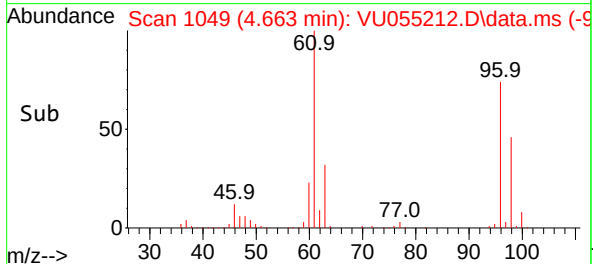
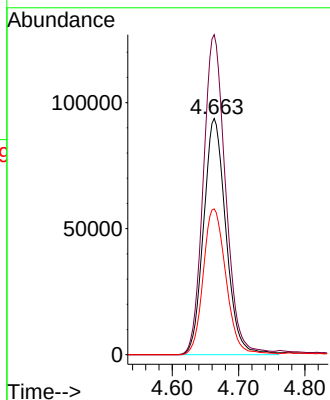
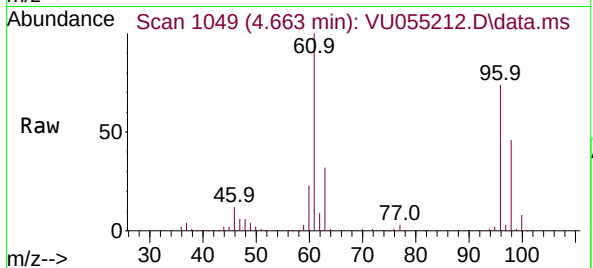
Tgt Ion: 96 Resp: 219678

Ion Ratio Lower Upper

96 100

61 135.5 97.2 180.4

98 61.7 46.1 85.7



#25

Chloroform

Concen: 0.514 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.003 min

Lab File: VU055212.D

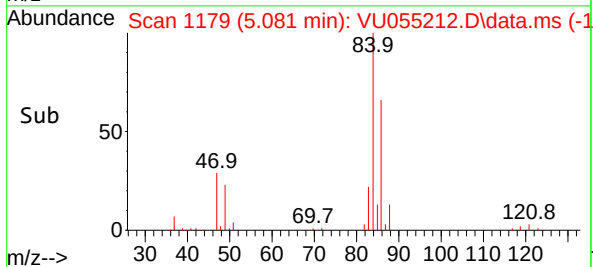
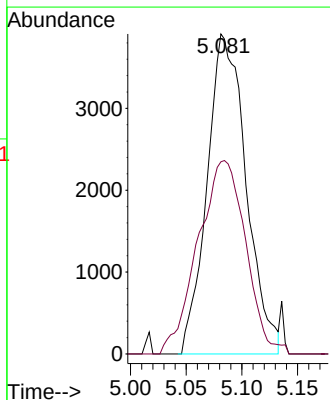
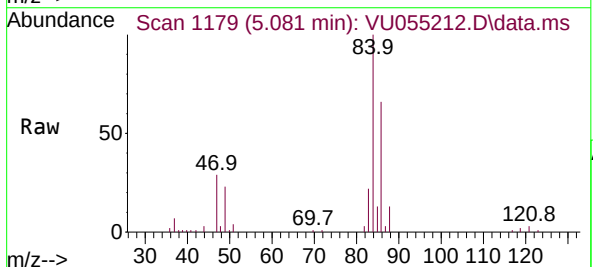
Acq: 08 Sep 2023 02:08

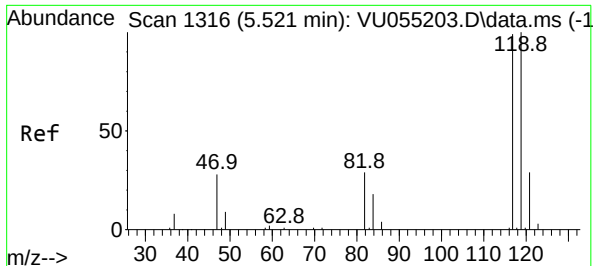
Tgt Ion: 83 Resp: 9526

Ion Ratio Lower Upper

83 100

85 60.0 47.2 87.6

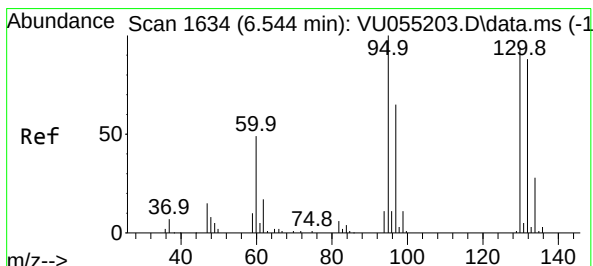
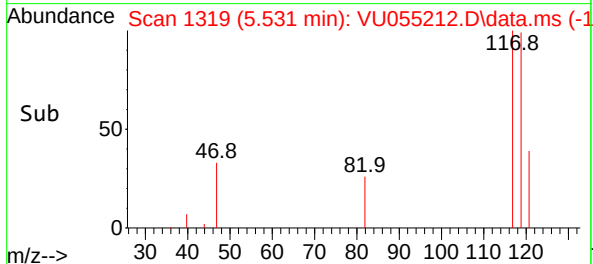
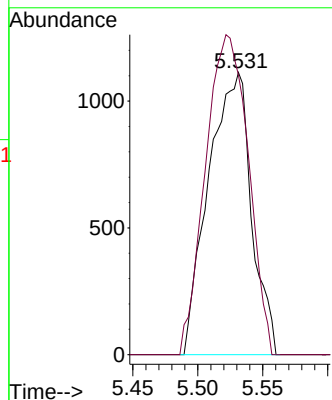
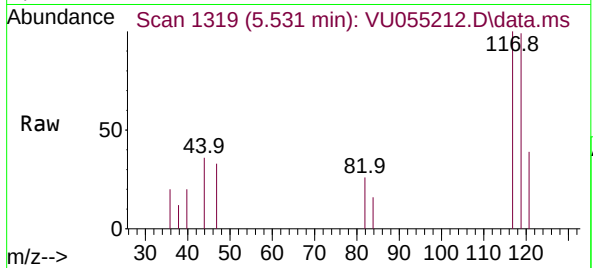




#31
Carbon tetrachloride
Concen: 0.197 ug/L
RT: 5.531 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU055212.D
Acq: 08 Sep 2023 02:08

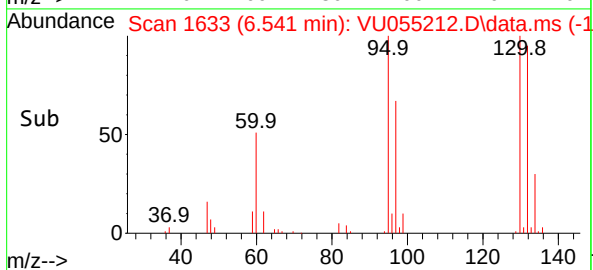
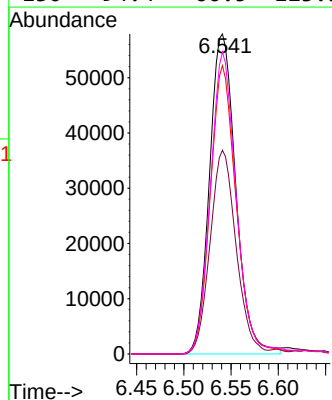
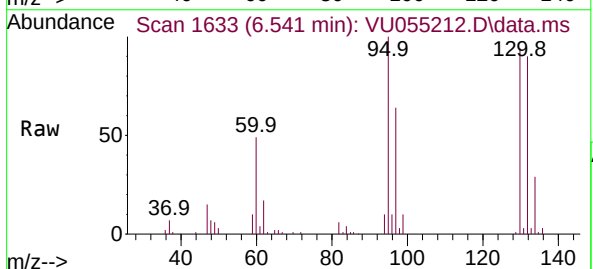
Instrument :
MSVOA_U
ClientSampleId :

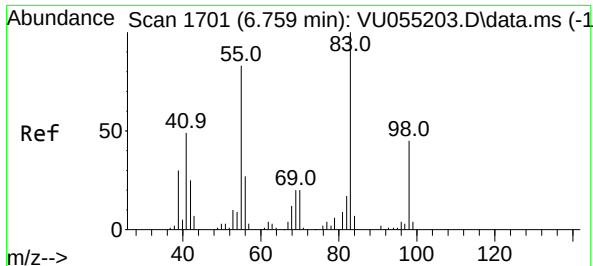
Tgt Ion:117 Resp: 2550
Ion Ratio Lower Upper
117 100
119 113.4 75.4 113.0#



#34
Trichloroethene
Concen: 10.482 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.003 min
Lab File: VU055212.D
Acq: 08 Sep 2023 02:08

Tgt Ion: 95 Resp: 111785
Ion Ratio Lower Upper
95 100
97 63.6 44.7 83.1
132 90.1 66.6 123.6
130 94.4 66.5 123.5

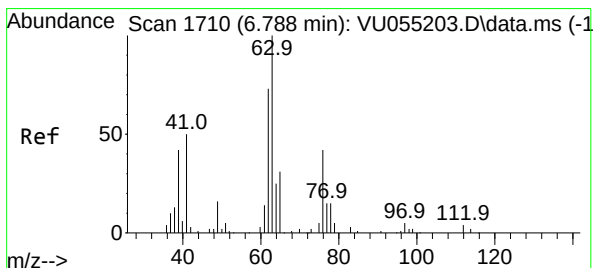
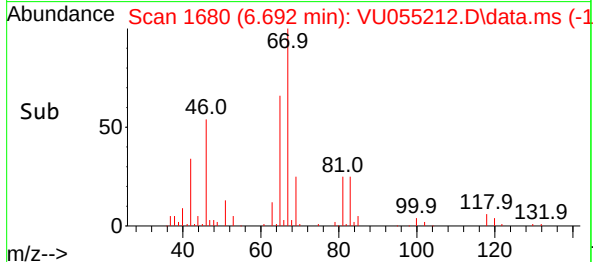
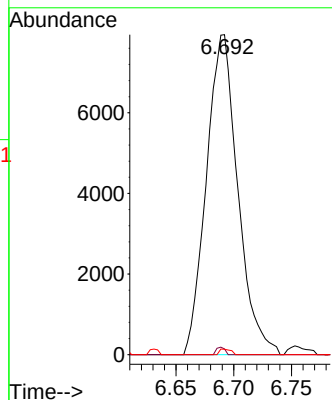
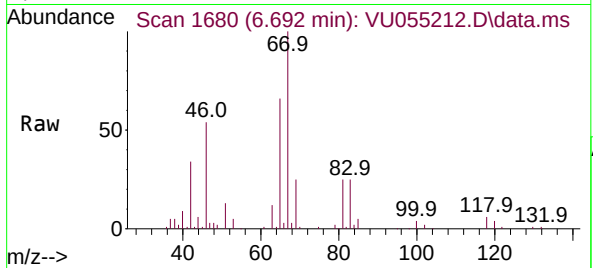




#35
Methylcyclohexane
Concen: 1.006 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.067 min
Lab File: VU055212.D
Acq: 08 Sep 2023 02:08

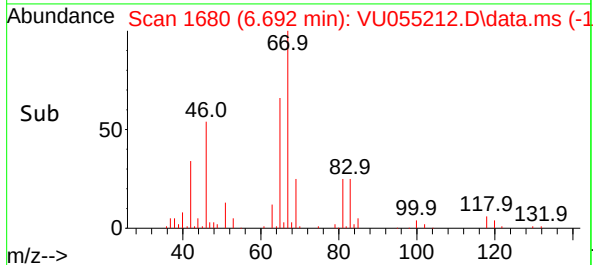
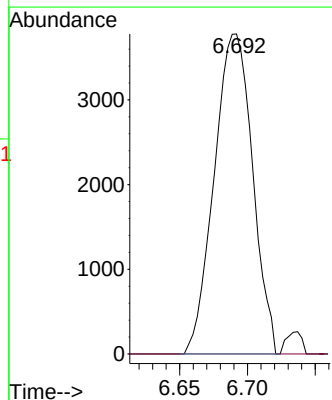
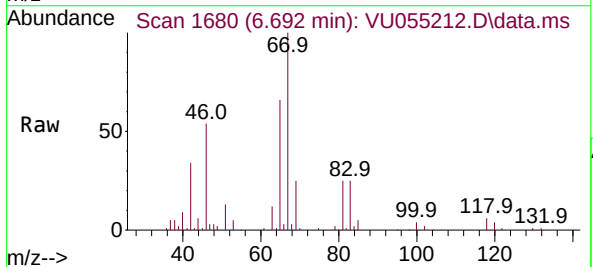
Instrument :
MSVOA_U
ClientSampleId :

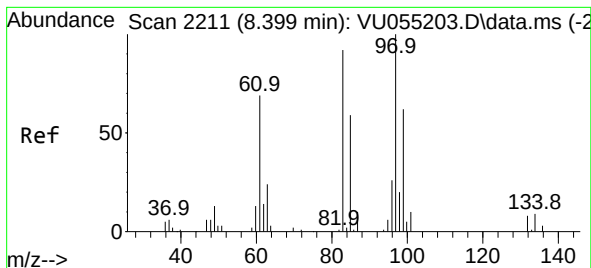
Tgt Ion: 83 Resp: 15048
Ion Ratio Lower Upper
83 100
55 0.6 60.4 90.6#
98 21.2 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.713 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.096 min
Lab File: VU055212.D
Acq: 08 Sep 2023 02:08

Tgt Ion: 63 Resp: 7445
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#45

1,1,2-Trichloroethane

Concen: 0.169 ug/L

RT: 8.399 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055212.D

Acq: 08 Sep 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 1192

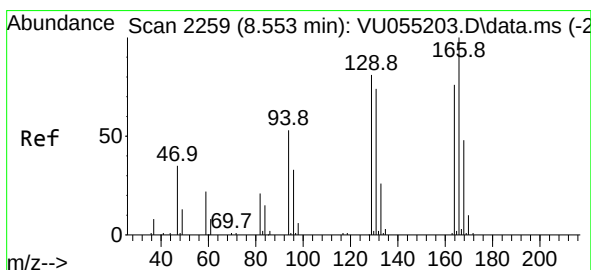
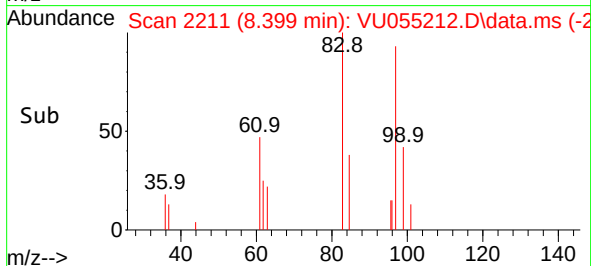
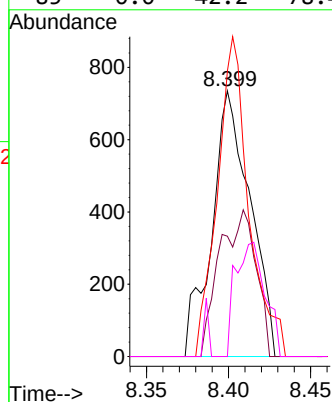
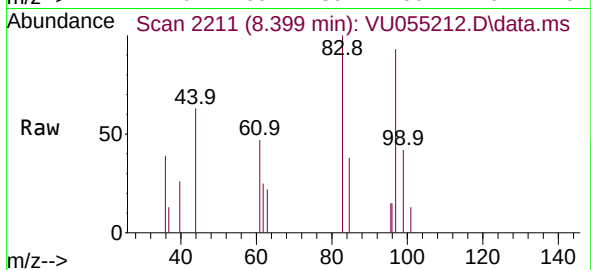
Ion Ratio Lower Upper

97 100

99 45.3 44.9 83.5

83 107.5 66.9 124.3

85 0.0 42.2 78.4#



#47

Tetrachloroethene

Concen: 6.854 ug/L

RT: 8.554 min Scan# 2259

Delta R.T. 0.000 min

Lab File: VU055212.D

Acq: 08 Sep 2023 02:08

Tgt Ion:164 Resp: 50515

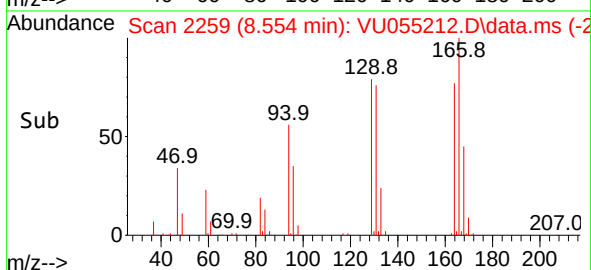
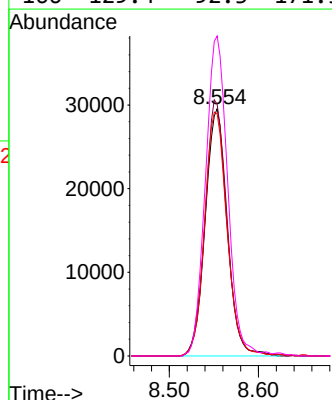
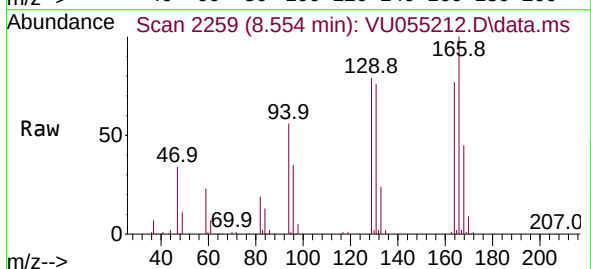
Ion Ratio Lower Upper

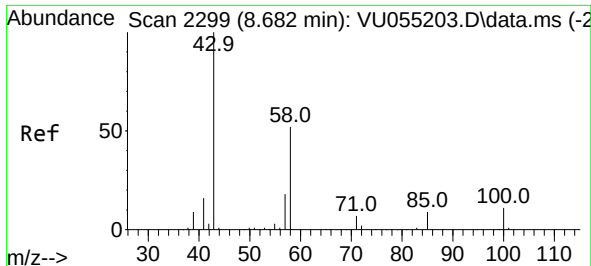
164 100

129 101.8 69.2 128.6

131 98.0 68.8 127.8

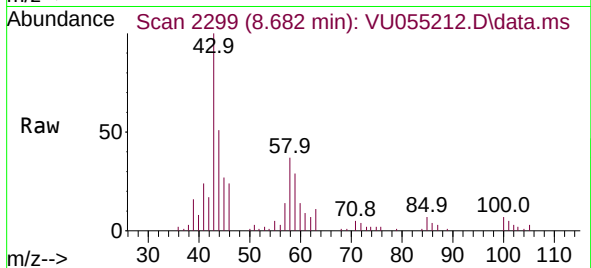
166 129.4 92.3 171.5



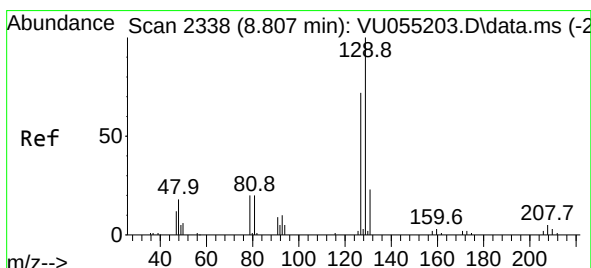
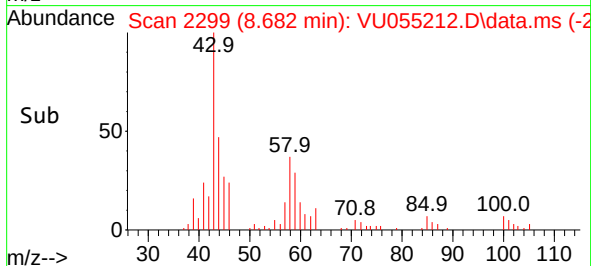
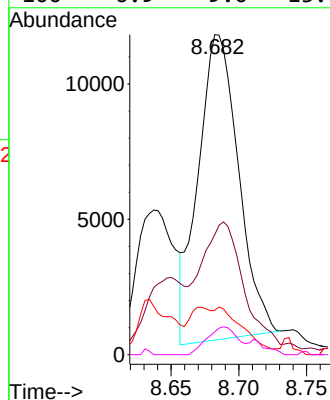


#48
2-Hexanone
Concen: 4.992 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055212.D
Acq: 08 Sep 2023 02:08

Instrument :
MSVOA_U
ClientSampleId :

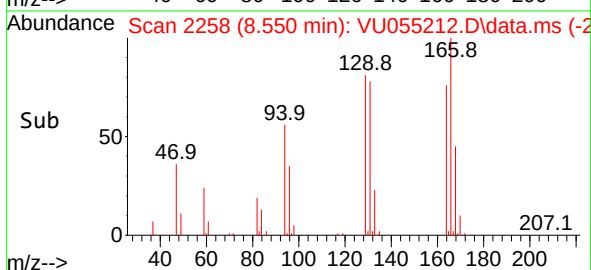
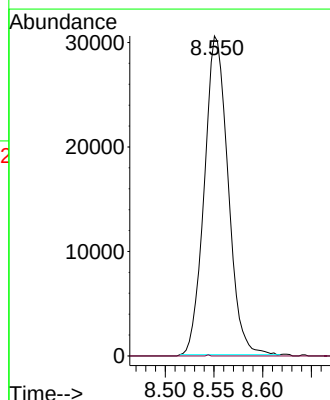
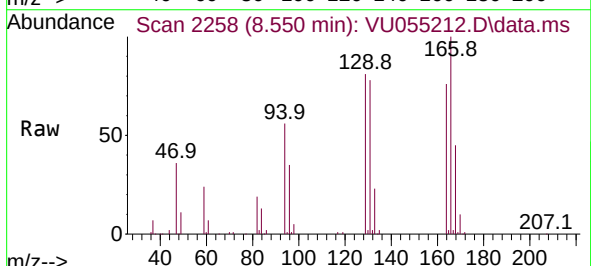


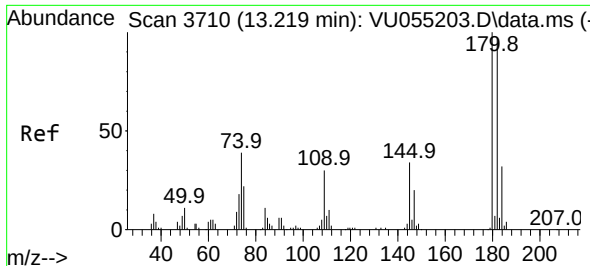
Tgt Ion:	43	Resp:	23302
Ion	Ratio	Lower	Upper
43	100		
58	46.3	44.0	66.0
57	2.9	16.2	24.2#
100	6.9	9.0	13.4#



#49
Dibromochloromethane
Concen: 6.723 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU055212.D
Acq: 08 Sep 2023 02:08

Tgt Ion:	129	Resp:	51643
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.9	103.7#





#69

1,3,5-Trichlorobenzene

Concen: 1.950 ug/L

RT: 13.840 min Scan# 3903

Delta R.T. 0.621 min

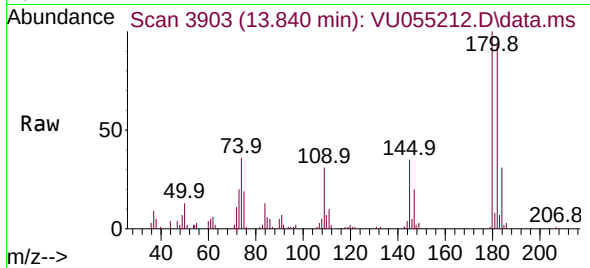
Lab File: VU055212.D

Acq: 08 Sep 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 29820

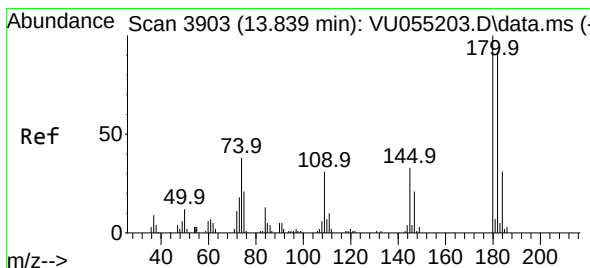
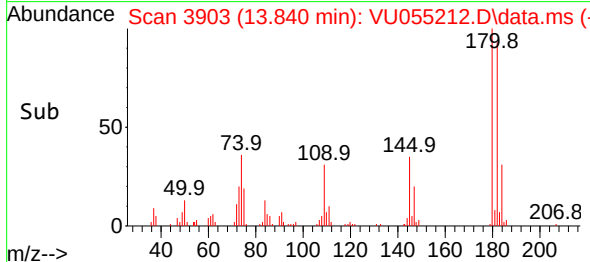
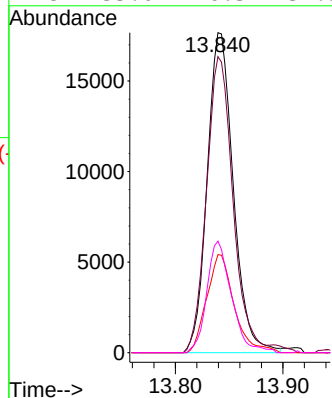
Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.6

184 32.2 24.0 36.0

145 33.0 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 2.079 ug/L

RT: 13.840 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055212.D

Acq: 08 Sep 2023 02:08

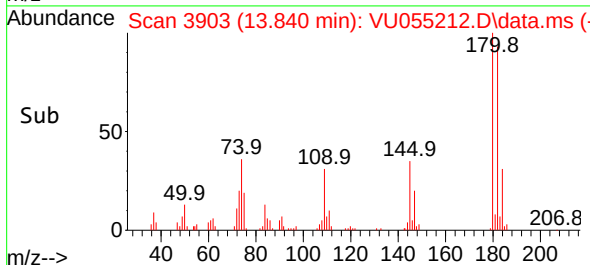
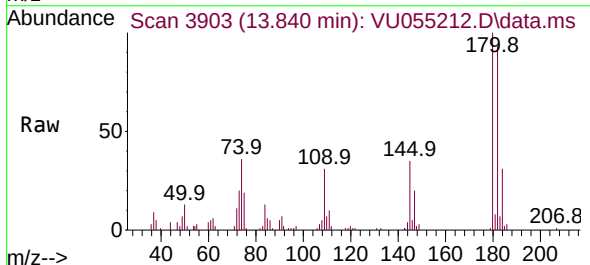
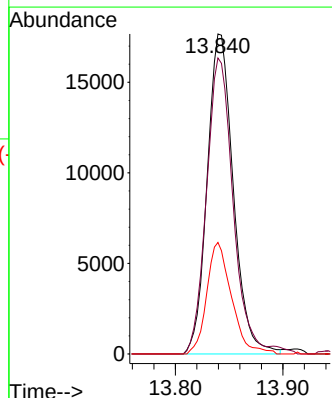
Tgt Ion:180 Resp: 29820

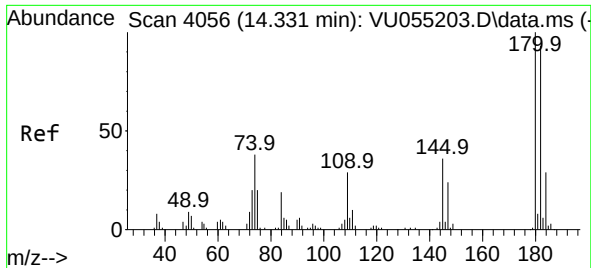
Ion Ratio Lower Upper

180 100

182 95.0 73.6 110.4

145 33.0 25.8 38.8





#72

1,2,3-Trichlorobenzene

Concen: 0.890 ug/L

RT: 14.332 min Scan# 4056

Delta R.T. 0.000 min

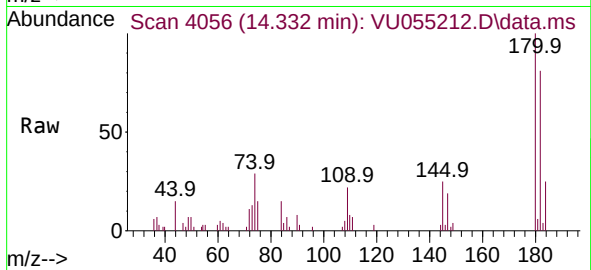
Lab File: VU055212.D

Acq: 08 Sep 2023 02:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 11085

Ion Ratio Lower Upper

180 100

182 82.5 75.6 113.4

145 28.7 27.0 40.6

