

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055213.D
 Acq On : 08 Sep 2023 02:32
 Operator : MD/SY
 Sample : 04307-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 06:39:31 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	169442	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	175861	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	84036	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	25972	3.270	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.400%
7) Chloroethane-d5	1.907	69	34864	3.793	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.560	65	17006	3.758	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.200%
20) 2-Butanone-d5	4.627	46	135337	58.726	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.460%
24) Chloroform-d	5.061	84	103092	4.892	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.701	65	52499	4.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.724	84	183057	4.217	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.688	67	64012	4.636	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.897	98	157549	3.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	8.180	79	14546	3.826	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.600%
46) 2-Hexanone-d5	8.634	63	67238	43.558	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.120%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	50585	5.210	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	59232	4.829	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	4759	0.475	ug/L	95
5) Vinyl chloride	1.599	62	1857	0.176	ug/L	94
18) trans-1,2-Dichloroethene	3.354	96	939	0.118	ug/L #	68
22) cis-1,2-Dichloroethene	4.663	96	141601	14.555	ug/L	97
25) Chloroform	5.084	83	164369	9.188	ug/L	96
34) Trichloroethene	6.541	95	73036	7.021	ug/L	97
35) Methylcyclohexane	6.688	83	14624	1.002	ug/L #	23
37) 1,2-Dichloropropane	6.692	63	7245	0.711	ug/L #	88
38) Bromodichloromethane	7.103	83	61348	5.042	ug/L #	96
48) 2-Hexanone	8.685	43	25031	5.498	ug/L #	88
49) Dibromochloromethane	8.807	129	17110	2.284	ug/L	99
59) Bromoform	10.293	173	1132	0.337	ug/L #	82
61) 1,2,3-Trichloropropane	11.810	75	13278	2.381	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.842	180	22097	1.554	ug/L	99
70) 1,2,4-trichlorobenzene	13.842	180	22097	1.658	ug/L	97
72) 1,2,3-Trichlorobenzene	14.331	180	6315	0.546	ug/L	97

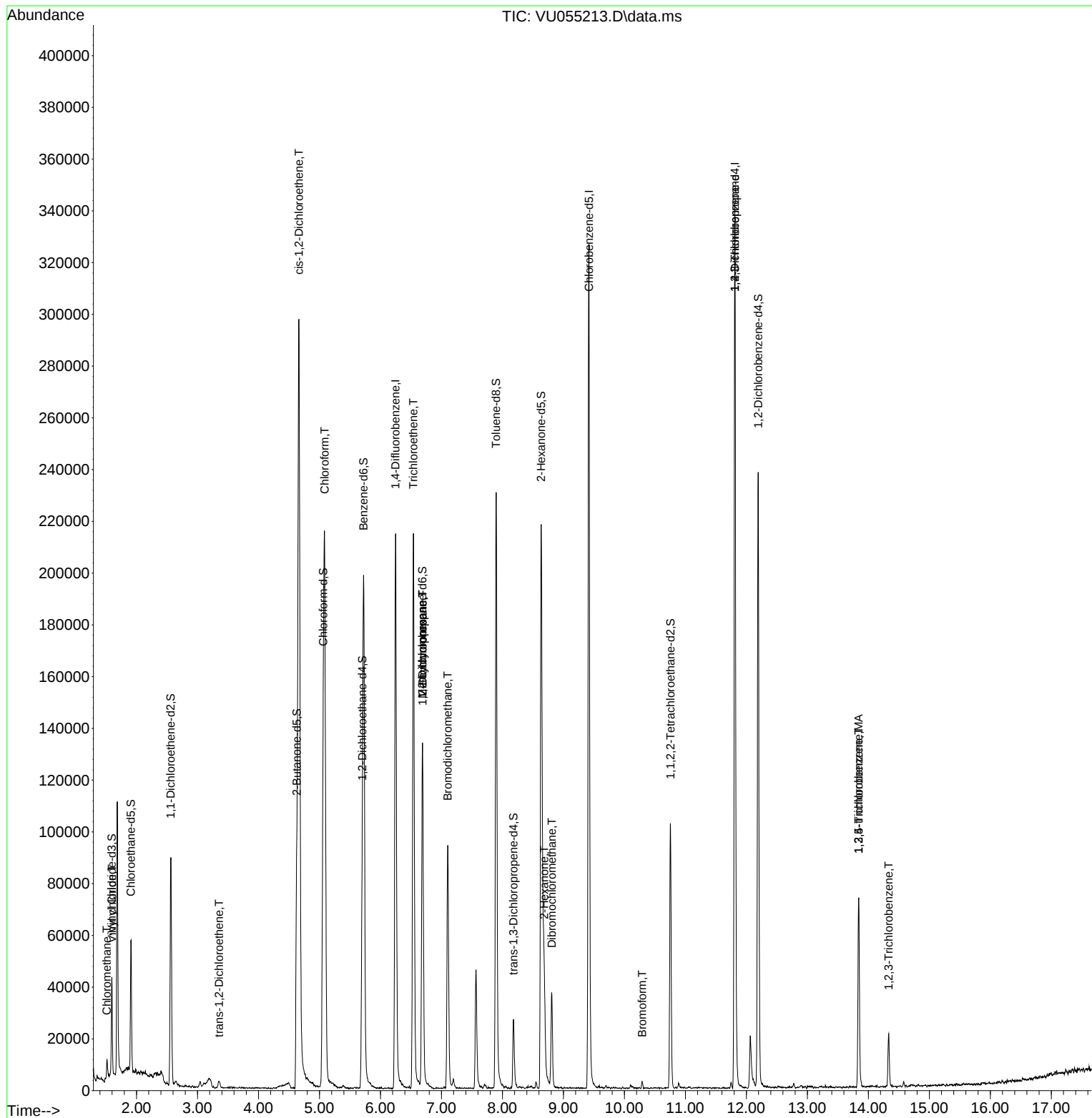
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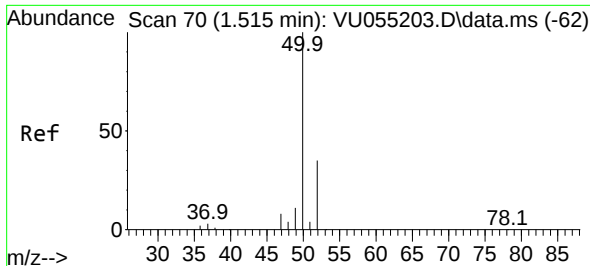
Instrument :
MSVOA_U
ClientSampleId :

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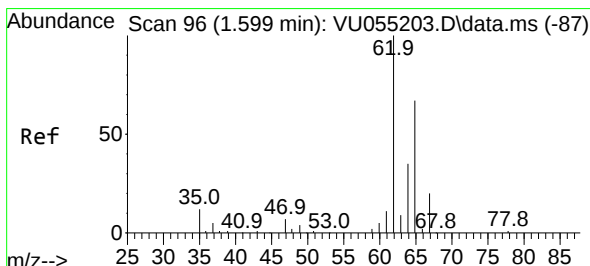
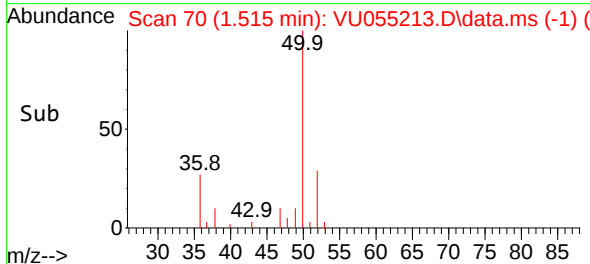
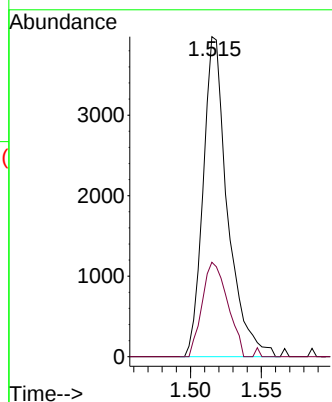
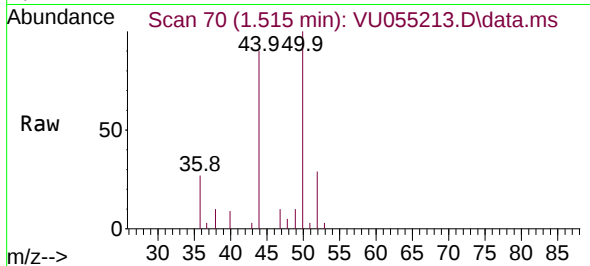




#3
Chloromethane
Concen: 0.475 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU055213.D
Acq: 08 Sep 2023 02:32

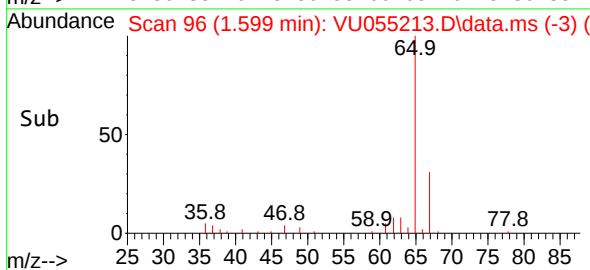
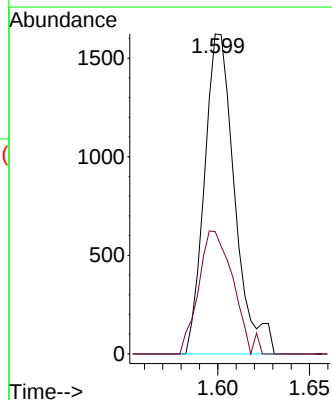
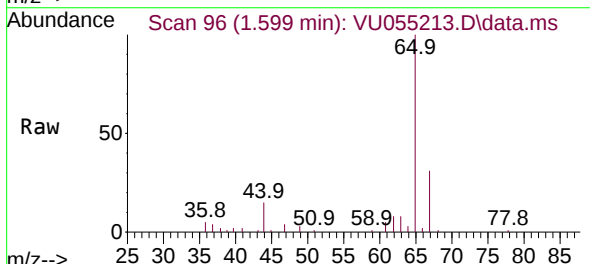
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ClientSampleId :

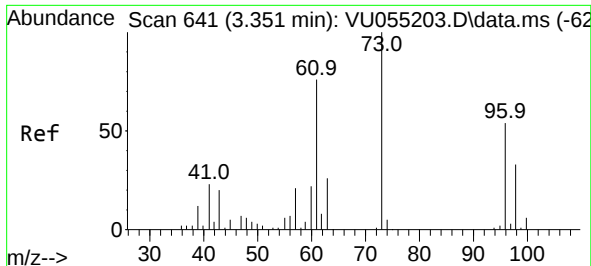
Tgt Ion: 50 Resp: 4759
Ion Ratio Lower Upper
50 100
52 29.5 22.5 41.7



#5
Vinyl chloride
Concen: 0.176 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU055213.D
Acq: 08 Sep 2023 02:32

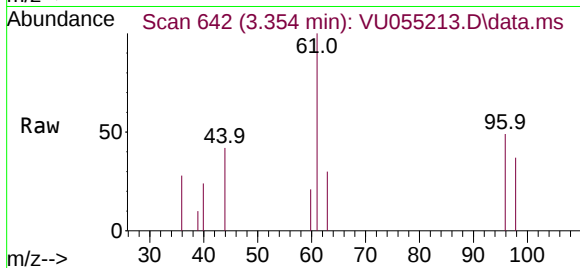
Tgt Ion: 62 Resp: 1857
Ion Ratio Lower Upper
62 100
64 38.2 24.2 45.0



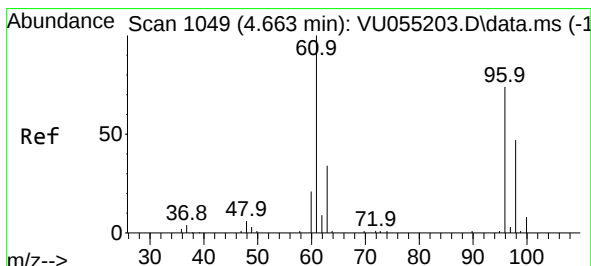
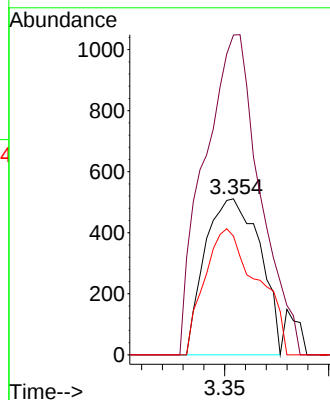
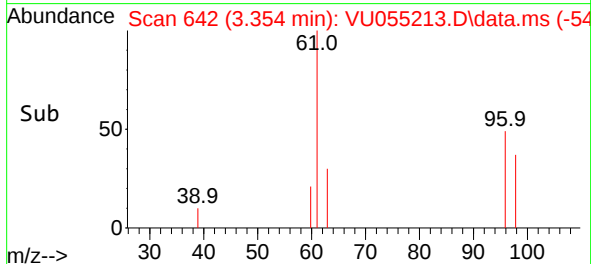


#18
 trans-1,2-Dichloroethene
 Concen: 0.118 ug/L
 RT: 3.354 min Scan# 641
 Delta R.T. 0.003 min
 Lab File: VU055213.D
 Acq: 08 Sep 2023 02:32

Instrument :
 MSVOA_U
 ClientSampleId :

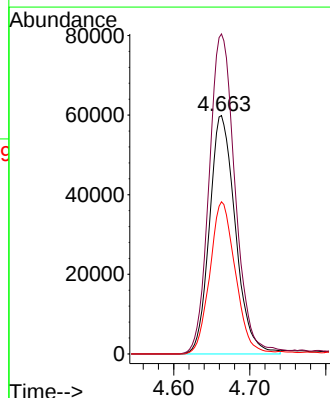
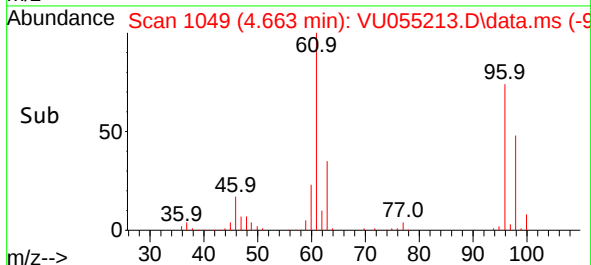
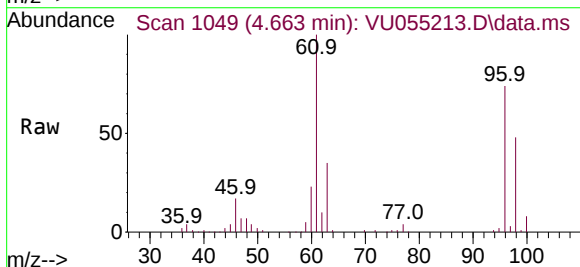


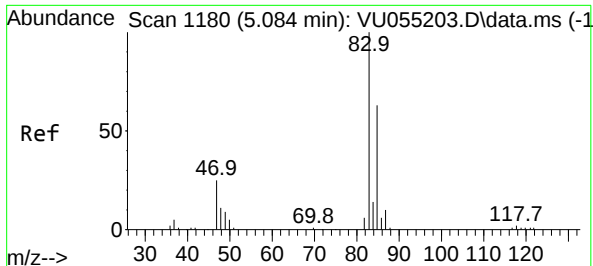
Tgt Ion: 96 Resp: 939
 Ion Ratio Lower Upper
 96 100
 61 205.1 108.1 200.9#
 98 76.1 45.4 84.4



#22
 cis-1,2-Dichloroethene
 Concen: 14.555 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055213.D
 Acq: 08 Sep 2023 02:32

Tgt Ion: 96 Resp: 141601
 Ion Ratio Lower Upper
 96 100
 61 134.3 97.2 180.4
 98 63.9 46.1 85.7





#25

Chloroform

Concen: 9.188 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055213.D

Acq: 08 Sep 2023 02:32

Instrument :

MSVOA_U

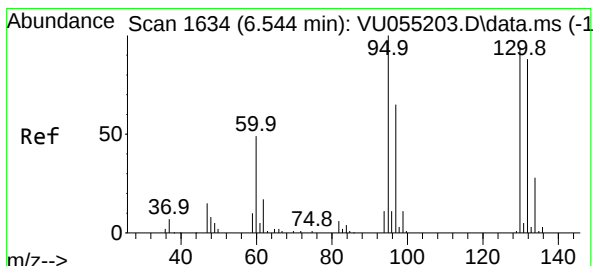
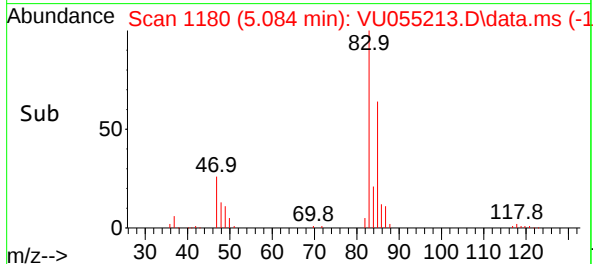
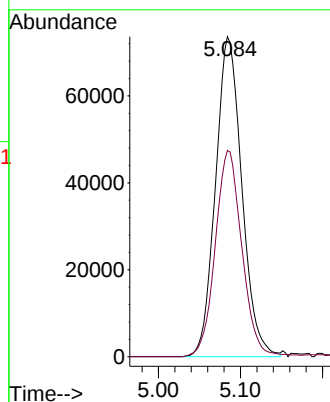
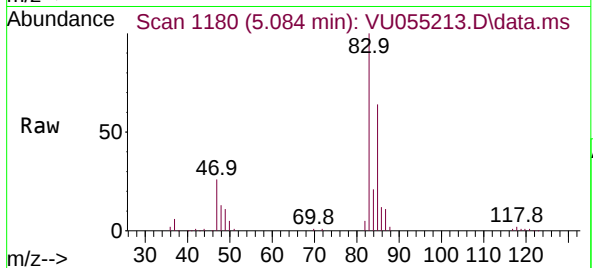
ClientSampleId :

Tgt Ion: 83 Resp: 164369

Ion Ratio Lower Upper

83 100

85 64.4 47.2 87.6



#34

Trichloroethene

Concen: 7.021 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. -0.003 min

Lab File: VU055213.D

Acq: 08 Sep 2023 02:32

Tgt Ion: 95 Resp: 73036

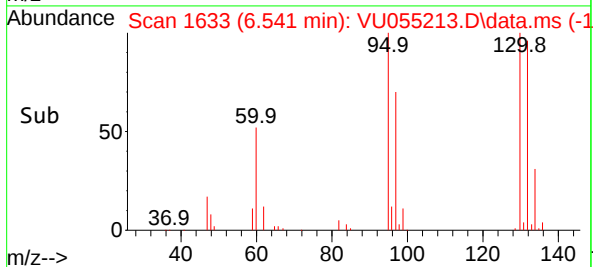
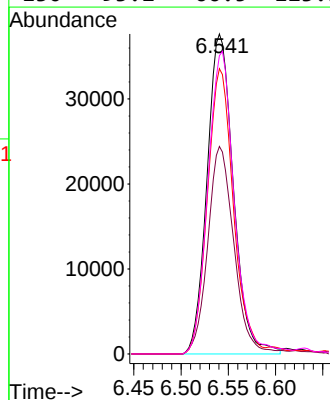
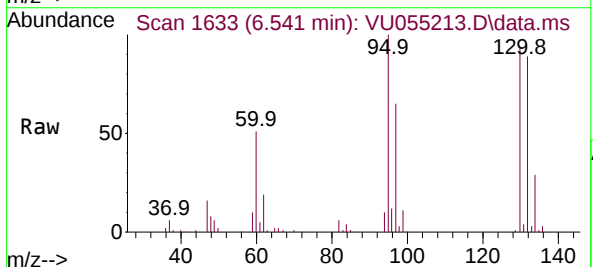
Ion Ratio Lower Upper

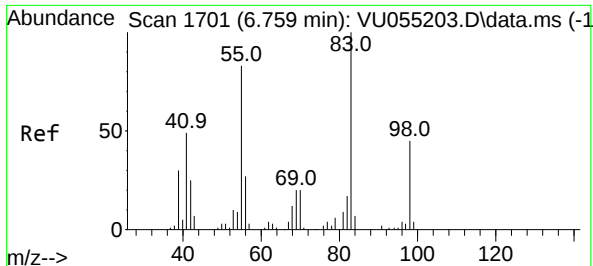
95 100

97 64.9 44.7 83.1

132 89.1 66.6 123.6

130 93.2 66.5 123.5

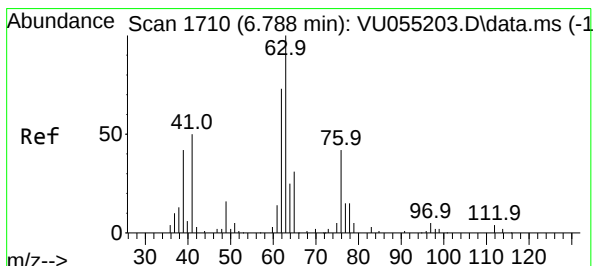
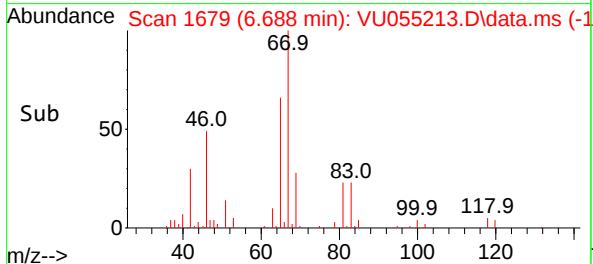
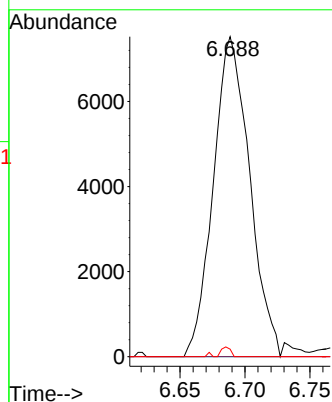
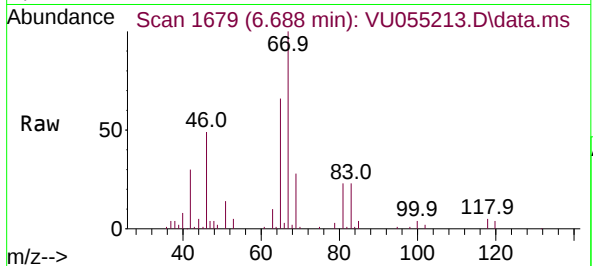




#35
Methylcyclohexane
Concen: 1.002 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055213.D
Acq: 08 Sep 2023 02:32

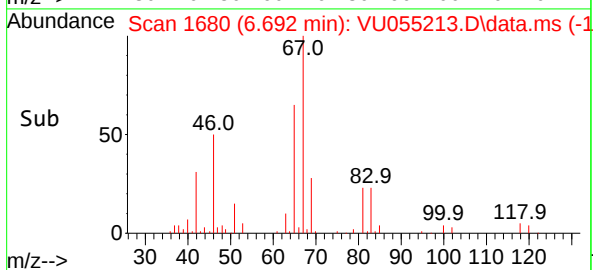
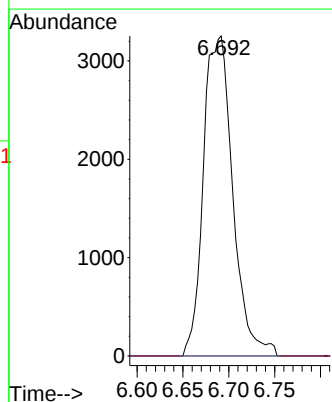
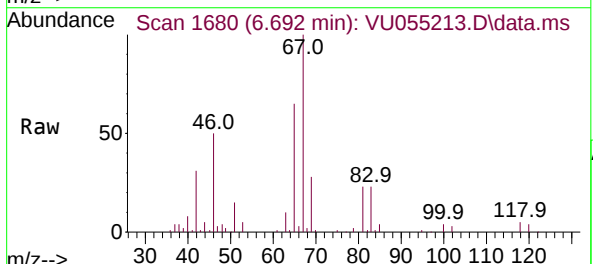
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MSVOA_U
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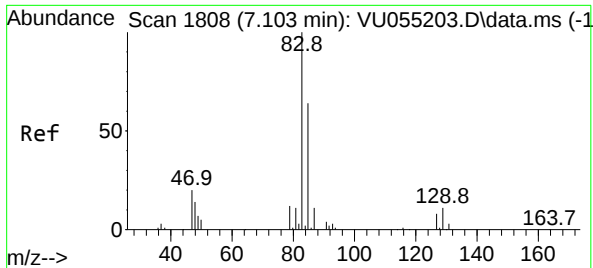
Tgt Ion: 83 Resp: 14624
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 6.8 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.711 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.097 min
Lab File: VU055213.D
Acq: 08 Sep 2023 02:32

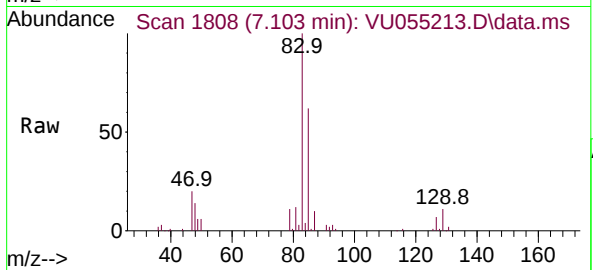
Tgt Ion: 63 Resp: 7245
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



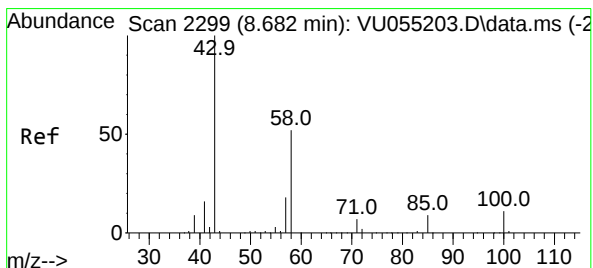
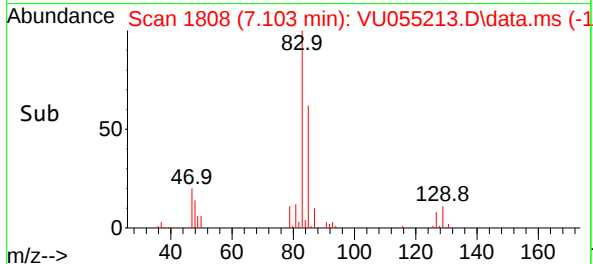
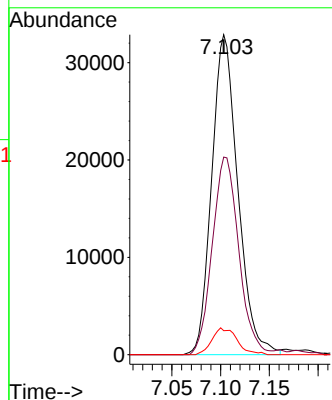


#38
Bromodichloromethane
Concen: 5.042 ug/L
RT: 7.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055213.D
Acq: 08 Sep 2023 02:32

Instrument :
MSVOA_U
ClientSampleId :

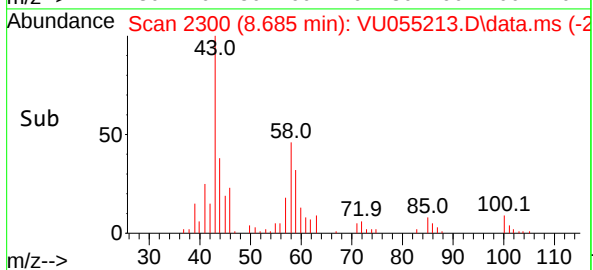
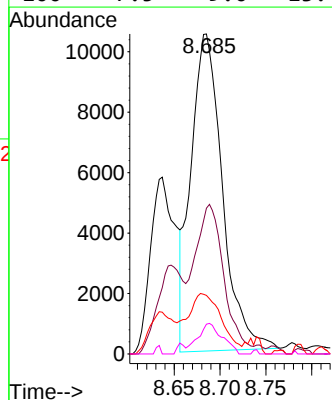
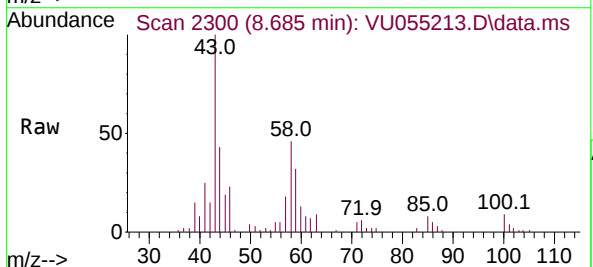


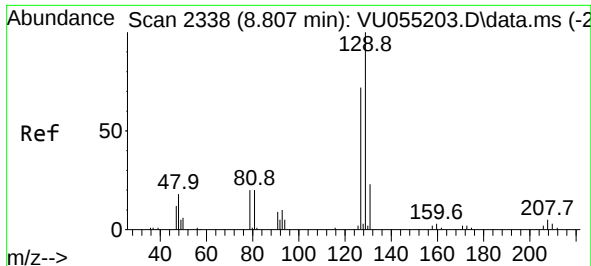
Tgt Ion: 83 Resp: 61348
Ion Ratio Lower Upper
83 100
85 61.8 44.9 83.5
127 7.5 7.8 11.8#



#48
2-Hexanone
Concen: 5.498 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055213.D
Acq: 08 Sep 2023 02:32

Tgt Ion: 43 Resp: 25031
Ion Ratio Lower Upper
43 100
58 43.8 44.0 66.0#
57 19.2 16.2 24.2
100 7.5 9.0 13.4#

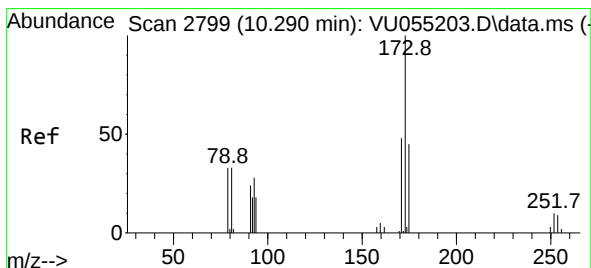
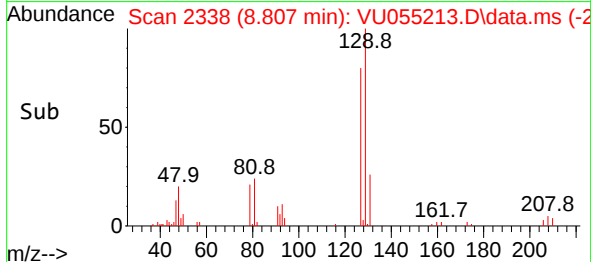
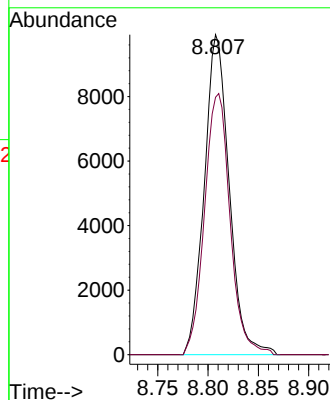
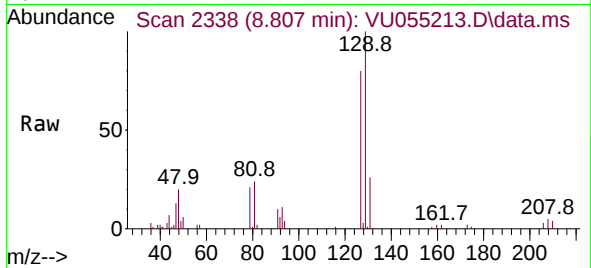




#49
Dibromochloromethane
Concen: 2.284 ug/L
RT: 8.807 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055213.D
Acq: 08 Sep 2023 02:32

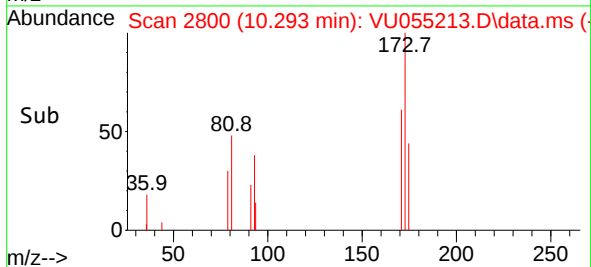
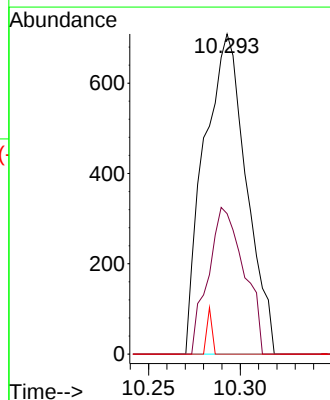
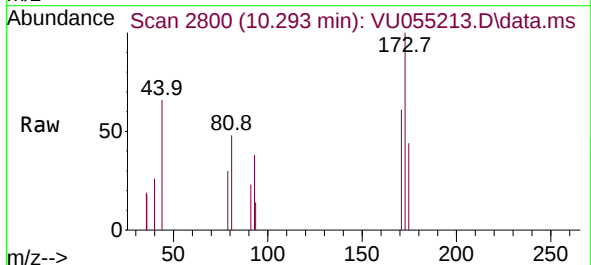
Instrument :
MSVOA_U
ClientSampleId :

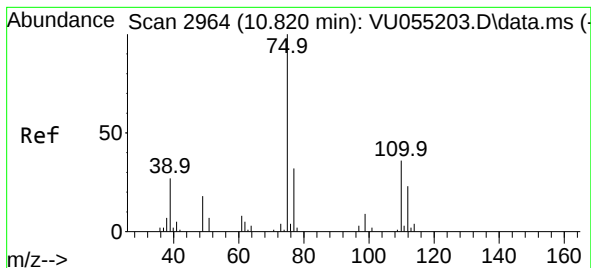
Tgt Ion:129 Resp: 17110
Ion Ratio Lower Upper
129 100
127 80.4 55.9 103.7



#59
Bromoform
Concen: 0.337 ug/L
RT: 10.293 min Scan# 2800
Delta R.T. 0.003 min
Lab File: VU055213.D
Acq: 08 Sep 2023 02:32

Tgt Ion:173 Resp: 1132
Ion Ratio Lower Upper
173 100
175 38.9 40.9 61.3#
254 1.8 7.0 10.4#





#61

1,2,3-Trichloropropane

Concen: 2.381 ug/L

RT: 11.810 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU055213.D

Acq: 08 Sep 2023 02:32

Instrument :

MSVOA_U

ClientSampleId :

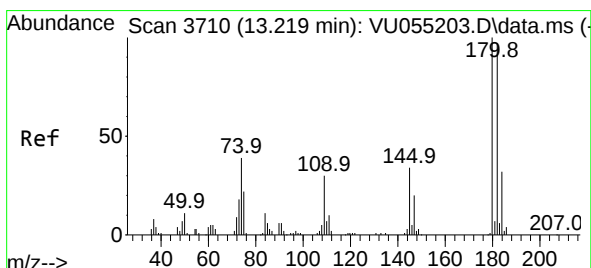
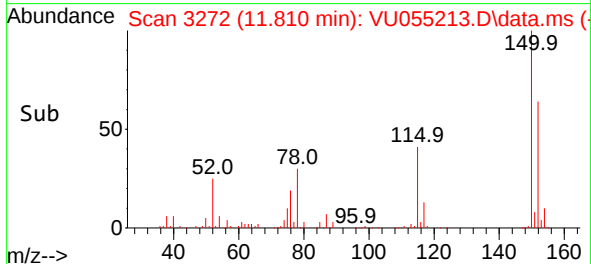
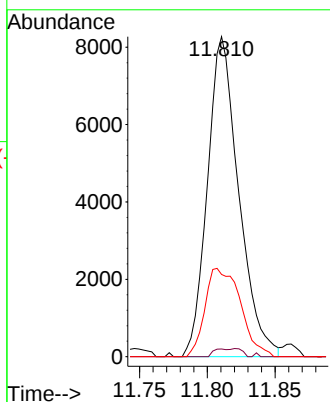
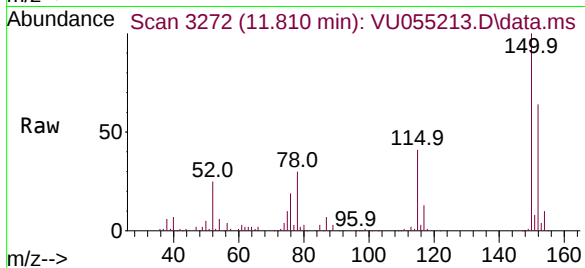
Tgt Ion: 75 Resp: 13278

Ion Ratio Lower Upper

75 100

110 1.0 28.2 42.2#

77 31.2 26.2 39.4



#69

1,3,5-Trichlorobenzene

Concen: 1.554 ug/L

RT: 13.842 min Scan# 3904

Delta R.T. 0.624 min

Lab File: VU055213.D

Acq: 08 Sep 2023 02:32

Tgt Ion:180 Resp: 22097

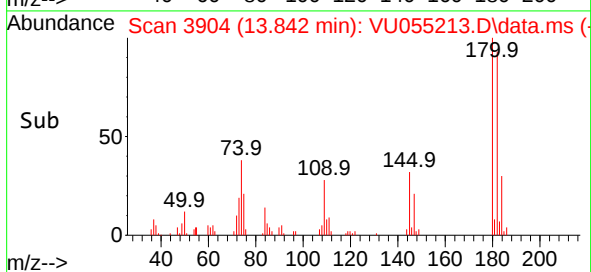
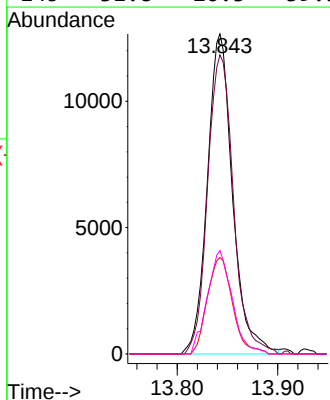
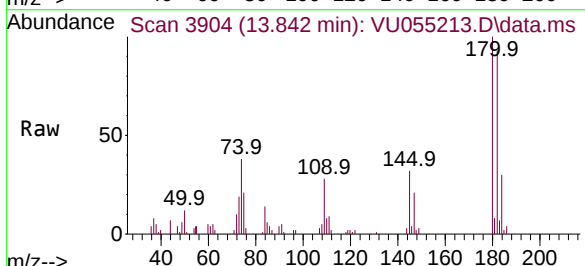
Ion Ratio Lower Upper

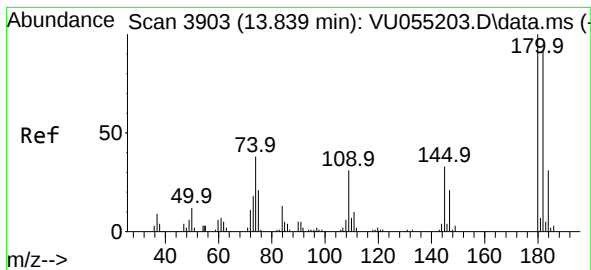
180 100

182 95.4 75.8 113.6

184 30.0 24.0 36.0

145 31.8 26.3 39.5





#70

1,2,4-trichlorobenzene

Concen: 1.658 ug/L

RT: 13.842 min Scan# 3904

Delta R.T. 0.003 min

Lab File: VU055213.D

Acq: 08 Sep 2023 02:32

Instrument :

MSVOA_U

ClientSampleId :

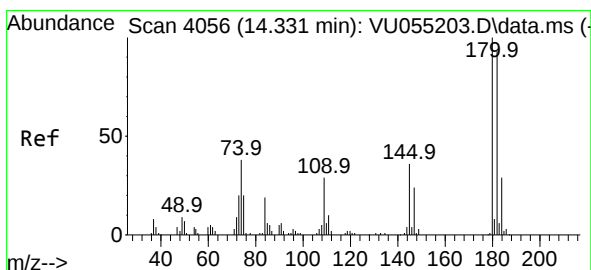
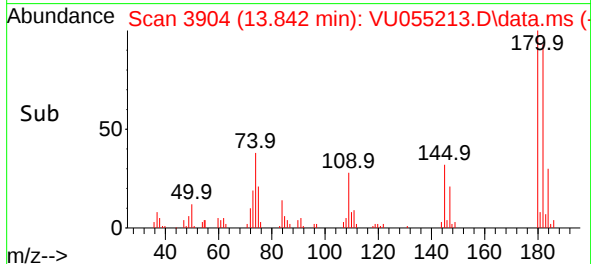
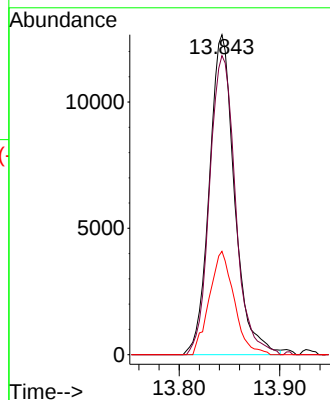
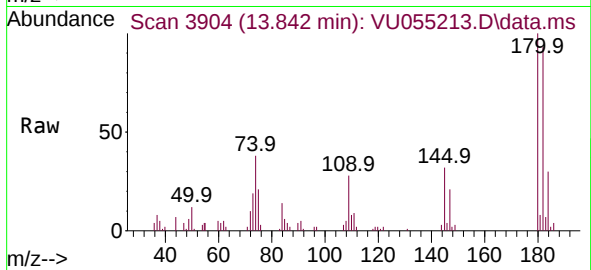
Tgt Ion:180 Resp: 22097

Ion Ratio Lower Upper

180 100

182 95.4 73.6 110.4

145 31.8 25.8 38.8



#72

1,2,3-Trichlorobenzene

Concen: 0.546 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. -0.000 min

Lab File: VU055213.D

Acq: 08 Sep 2023 02:32

Tgt Ion:180 Resp: 6315

Ion Ratio Lower Upper

180 100

182 98.8 75.6 113.4

145 34.2 27.0 40.6

