

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055065.D
 Acq On : 02 Sep 2023 01:33
 Operator : MD/SY
 Sample : 04250-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 01:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 02 00:23:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	185100	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	187273	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	100638	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	42328	4.879	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.911	69	48937	4.873	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.563	65	25578	5.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.400%
20) 2-Butanone-d5	4.634	46	161354	64.093	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.180%
24) Chloroform-d	5.059	84	115895	5.034	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.698	65	61472	5.337	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
32) Benzene-d6	5.724	84	230308	4.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.689	67	75533	5.137	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.800%
41) Toluene-d8	7.894	98	203636	4.782	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	8.177	79	18958	4.682	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.634	63	92796	56.452	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.900%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	54803	5.300	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	76010	5.174	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	2510	0.229	ug/L	97
5) Vinyl chloride	1.599	62	130405	11.289	ug/L	96
12) 1,1-Dichloroethene	2.576	96	20607	2.408	ug/L #	59
17) Methyl tert-butyl Ether	3.364	73	9014	0.402	ug/L #	86
18) trans-1,2-Dichloroethene	3.351	96	28568	3.290	ug/L	94
19) 1,1-Dichloroethane	3.866	63	15131	0.806	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	3929165	369.701	ug/L	97
25) Chloroform	5.084	83	11575	0.592	ug/L	97
33) Benzene	5.776	78	15452	0.388	ug/L	100
34) Trichloroethene	6.541	95	6873644	620.529	ug/L	96
35) Methylcyclohexane	6.685	83	16716	1.076	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	9046	0.834	ug/L #	88
39) cis-1,3-Dichloropropene	7.566	75	1731	0.117	ug/L #	77
45) 1,1,2-Trichloroethane	8.402	97	1278	0.175	ug/L #	74
47) Tetrachloroethene	8.554	164	4808	0.628	ug/L	93
48) 2-Hexanone	8.685	43	19228	3.966	ug/L #	84
49) Dibromochloromethane	8.550	129	5349	0.670	ug/L #	9
51) Chlorobenzene	9.447	112	58820	2.090	ug/L	95
61) 1,2,3-Trichloropropane	11.746	75	6268	0.939	ug/L #	48

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
Data File : VU055065.D
Acq On : 02 Sep 2023 01:33
Operator : MD/SY
Sample : 04250-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 02 01:48:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 02 00:23:04 2023
Response via : Initial Calibration

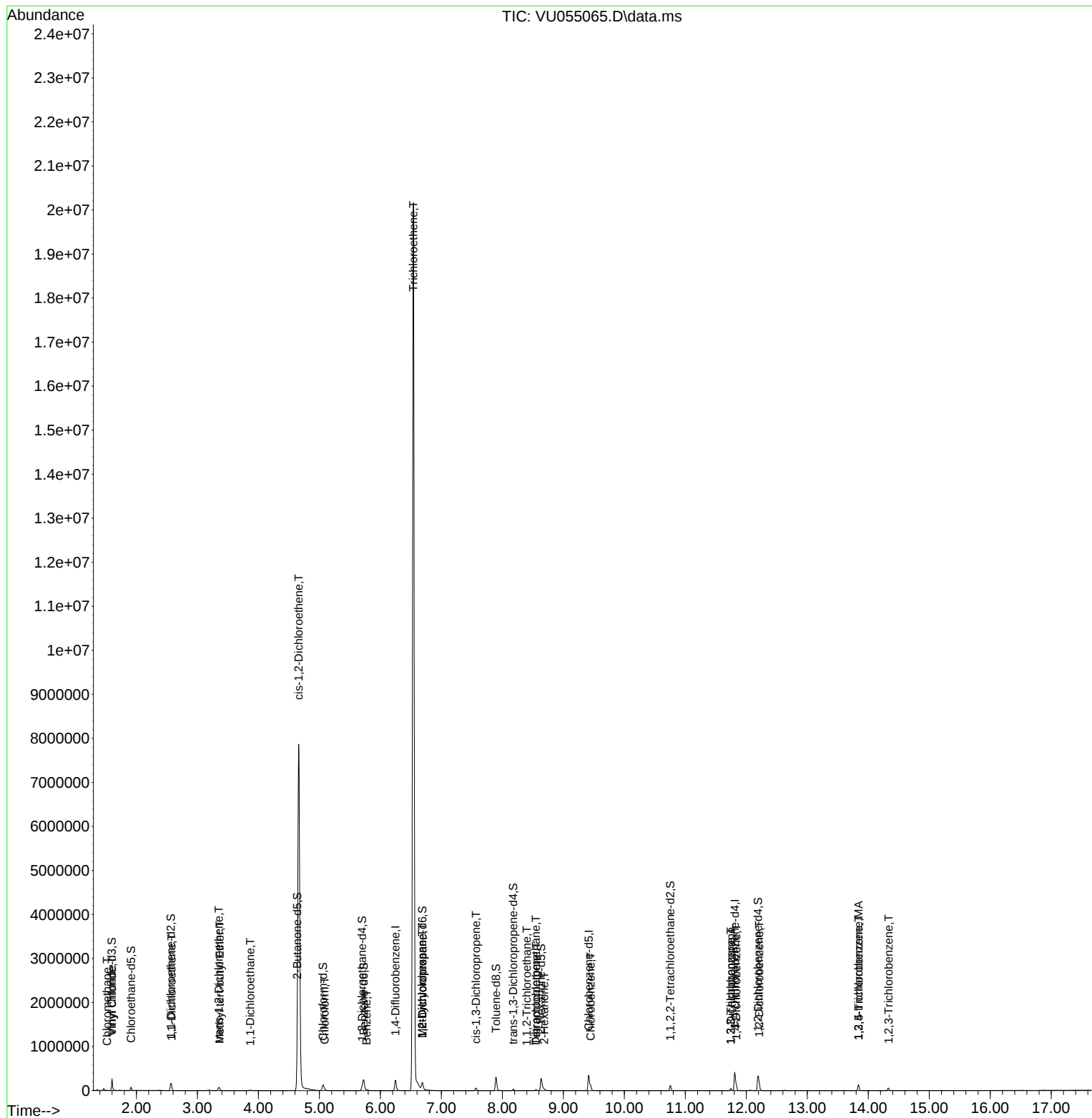
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.746	146	17984	0.798	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	43914	1.956	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	53106	2.514	ug/L	97
69) 1,3,5-Trichlorobenzene	13.839	180	38138	2.240	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	38110	2.387	ug/L	96
72) 1,2,3-Trichlorobenzene	14.331	180	17130	1.236	ug/L	99

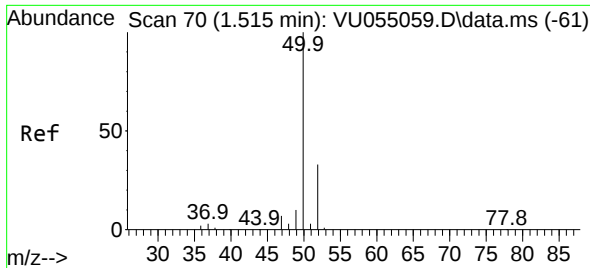
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
Data File : VU055065.D
Acq On : 02 Sep 2023 01:33
Operator : MD/SY
Sample : 04250-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 02 01:48:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 02 00:23:04 2023
Response via : Initial Calibration

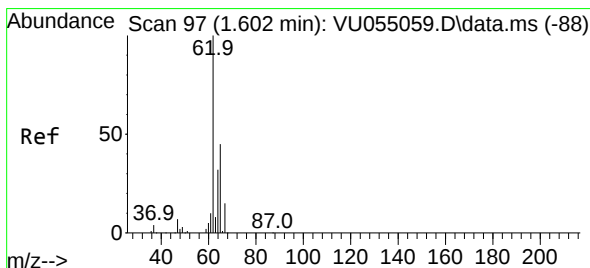
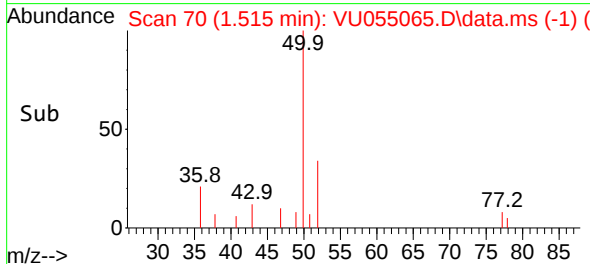
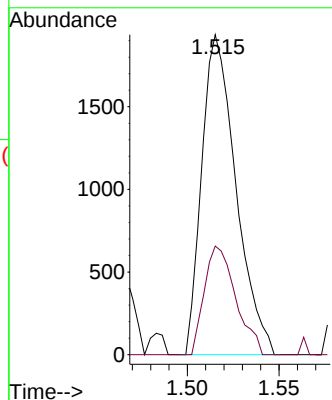
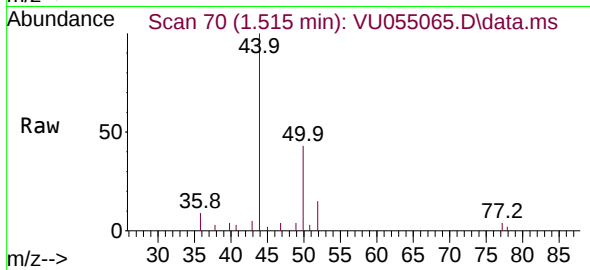




#3
Chloromethane
Concen: 0.229 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

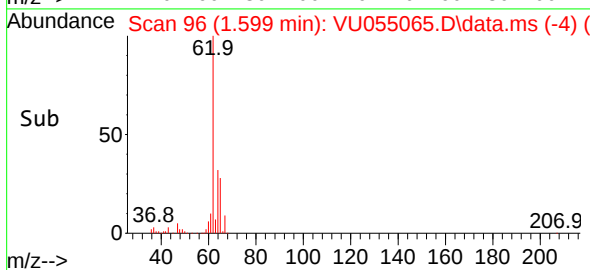
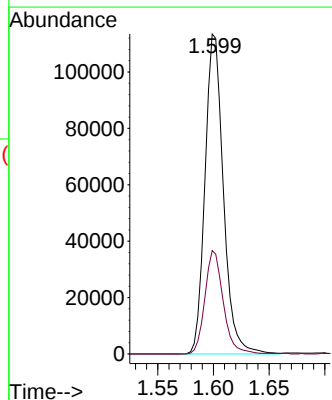
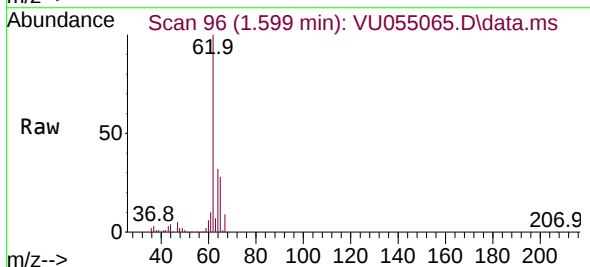
Instrument :
MSVOA_U
ClientSampleId :

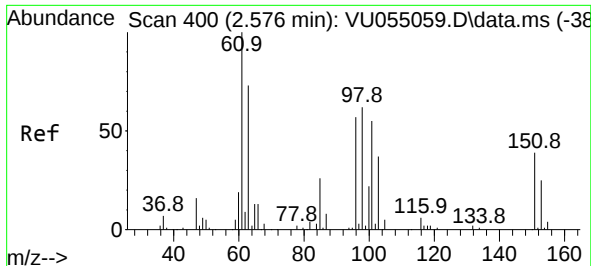
Tgt Ion: 50 Resp: 2510
Ion Ratio Lower Upper
50 100
52 33.9 22.5 41.7



#5
Vinyl chloride
Concen: 11.289 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

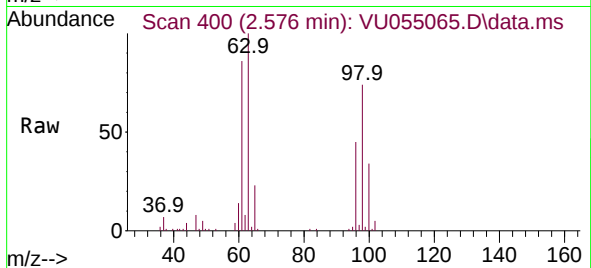
Tgt Ion: 62 Resp: 130405
Ion Ratio Lower Upper
62 100
64 32.3 24.2 45.0



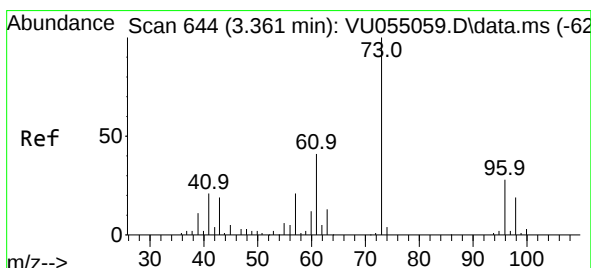
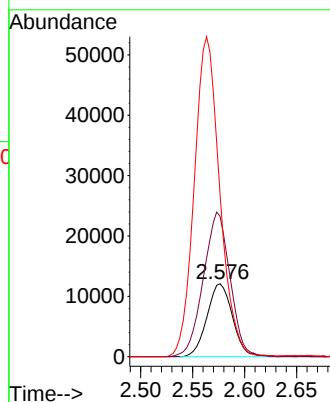
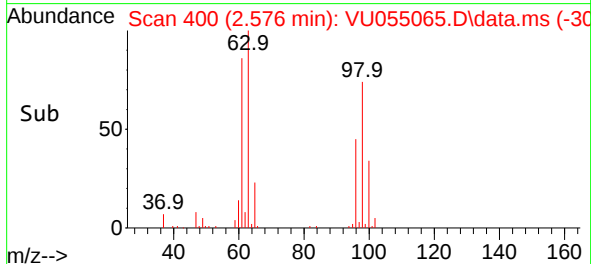


#12
1,1-Dichloroethene
Concen: 2.408 ug/L
RT: 2.576 min Scan# 40
Delta R.T. 0.000 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

Instrument :
MSVOA_U
ClientSampleId :

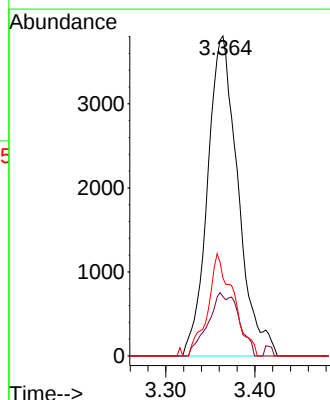
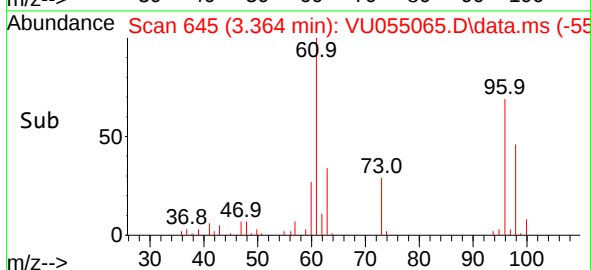
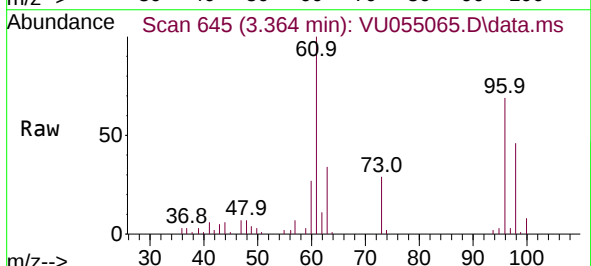


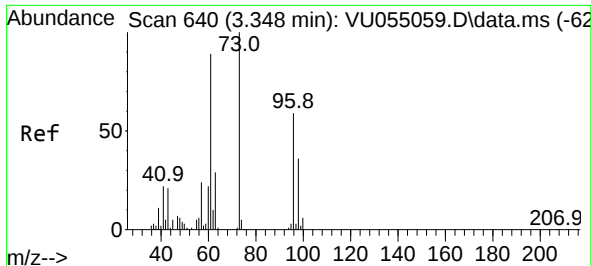
Tgt Ion: 96 Resp: 20607
Ion Ratio Lower Upper
96 100
61 192.4 120.8 224.4
63 223.3 94.5 175.5#



#17
Methyl tert-butyl Ether
Concen: 0.402 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.003 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

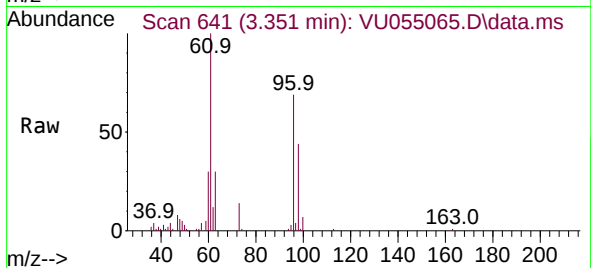
Tgt Ion: 73 Resp: 9014
Ion Ratio Lower Upper
73 100
43 11.8 16.2 24.2#
57 26.9 17.4 26.2#



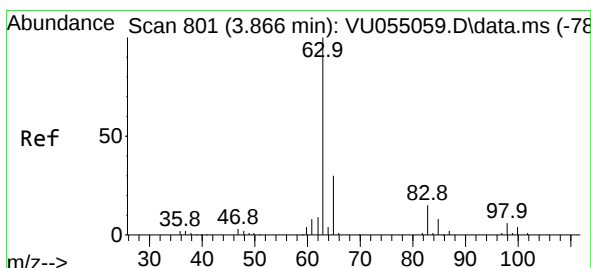
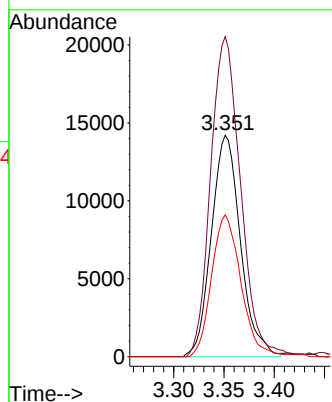
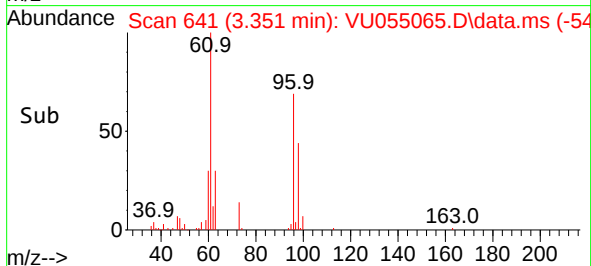


#18
trans-1,2-Dichloroethene
Concen: 3.290 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

Instrument :
MSVOA_U
ClientSampleId :

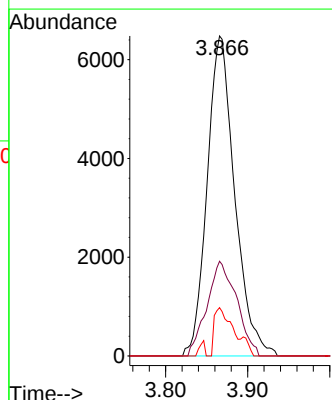
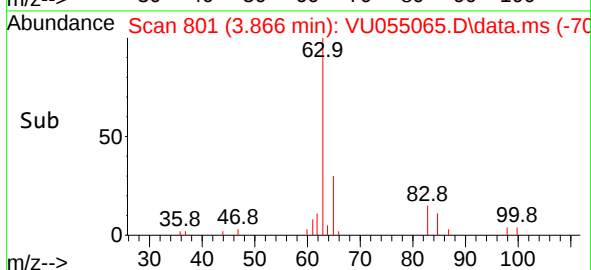
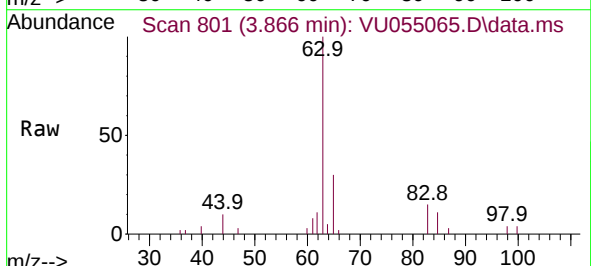


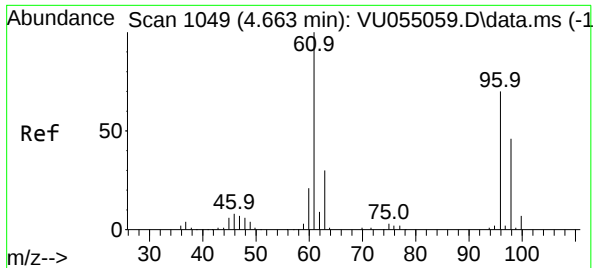
Tgt Ion: 96 Resp: 28568
Ion Ratio Lower Upper
96 100
61 144.5 108.1 200.9
98 64.0 45.4 84.4



#19
1,1-Dichloroethane
Concen: 0.806 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

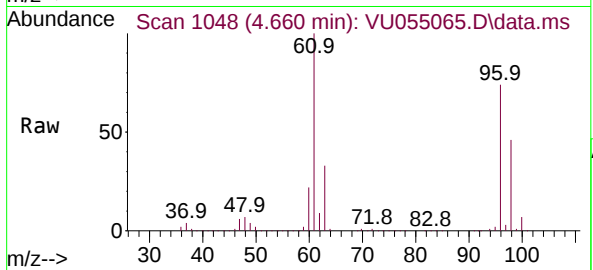
Tgt Ion: 63 Resp: 15131
Ion Ratio Lower Upper
63 100
65 28.2 22.2 41.2
83 14.4 10.6 19.8





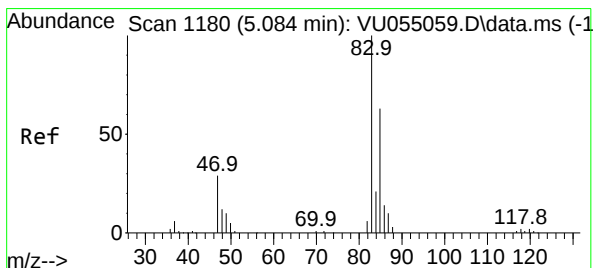
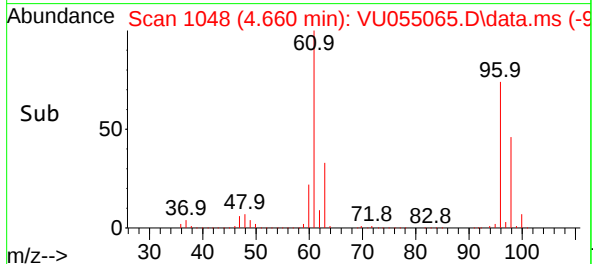
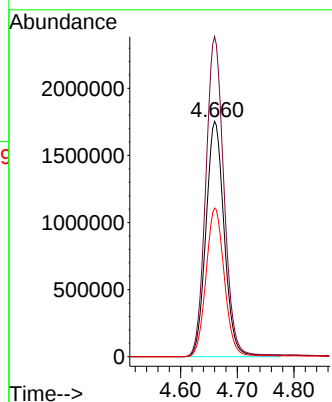
#22
 cis-1,2-Dichloroethene
 Concen: 369.701 ug/L
 RT: 4.660 min Scan# 1049
 Delta R.T. -0.003 min
 Lab File: VU055065.D
 Acq: 02 Sep 2023 01:33

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 3929165

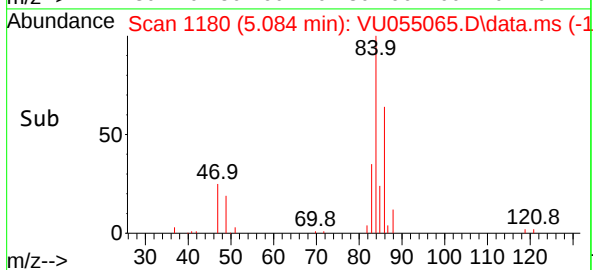
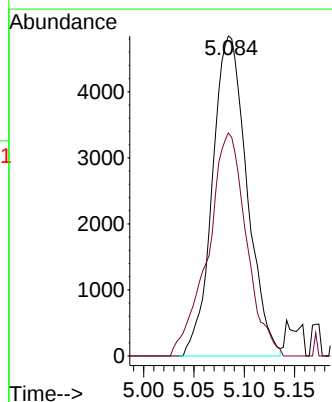
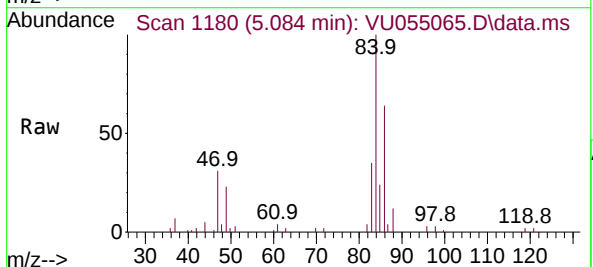
Ion	Ratio	Lower	Upper
96	100		
61	136.0	97.2	180.4
98	63.2	46.1	85.7

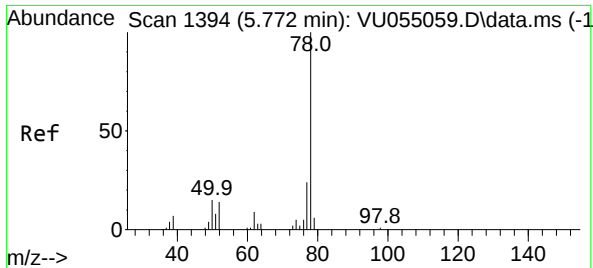


#25
 Chloroform
 Concen: 0.592 ug/L
 RT: 5.084 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VU055065.D
 Acq: 02 Sep 2023 01:33

Tgt Ion: 83 Resp: 11575

Ion	Ratio	Lower	Upper
83	100		
85	69.7	47.2	87.6

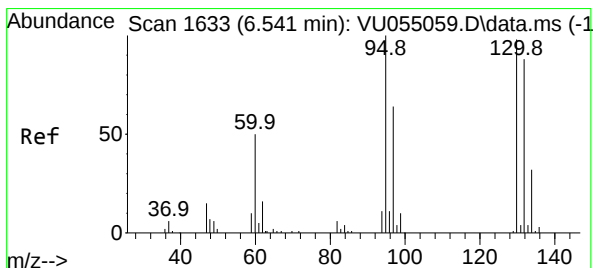
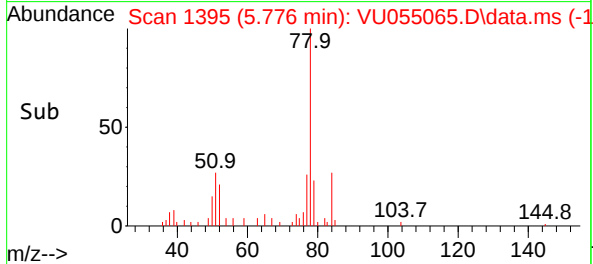
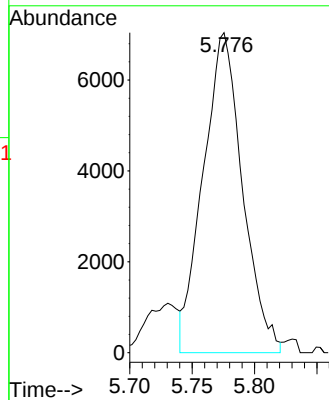
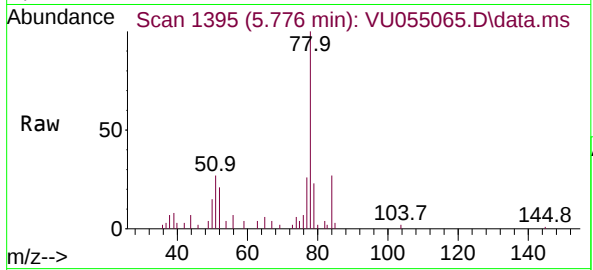




#33
Benzene
Concen: 0.388 ug/L
RT: 5.776 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

Instrument :
MSVOA_U
ClientSampleId :

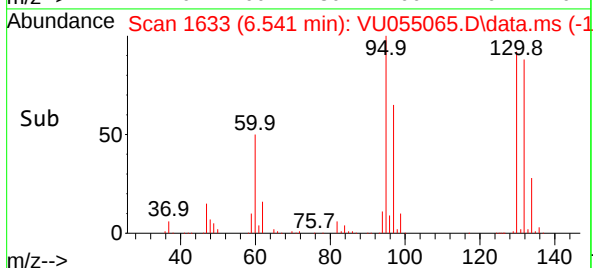
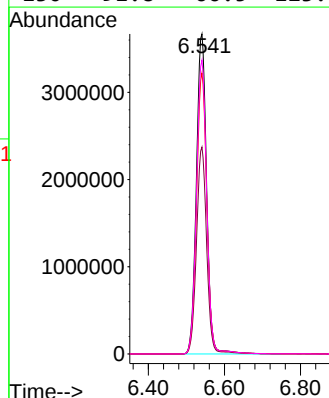
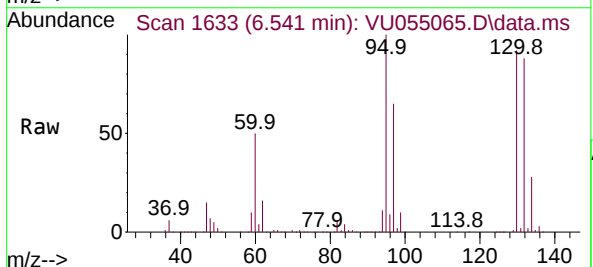
Tgt Ion: 78 Resp: 15452

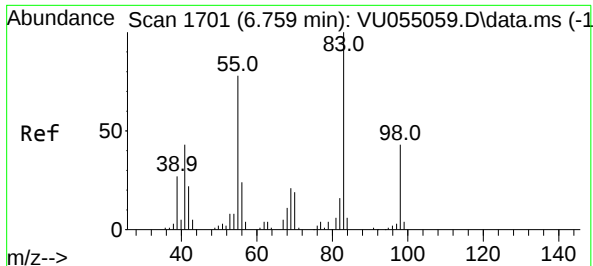


#34
Trichloroethene
Concen: 620.529 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

Tgt Ion: 95 Resp: 6873644

Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.7	83.1
132	87.8	66.6	123.6
130	91.8	66.5	123.5





#35

Methylcyclohexane

Concen: 1.076 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU055065.D

Acq: 02 Sep 2023 01:33

Instrument :

MSVOA_U

ClientSampleId :

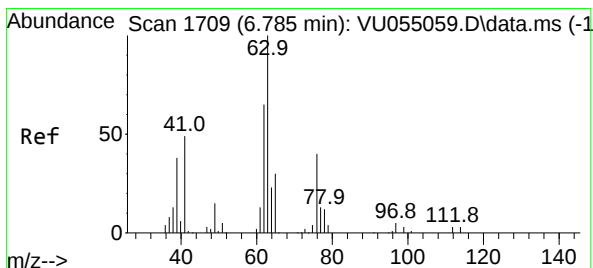
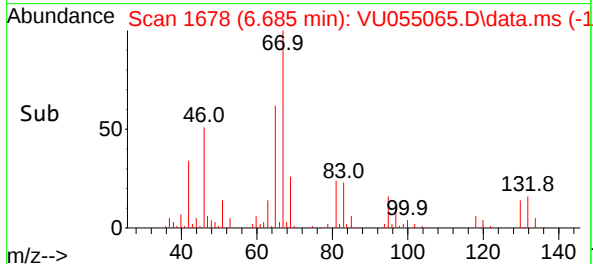
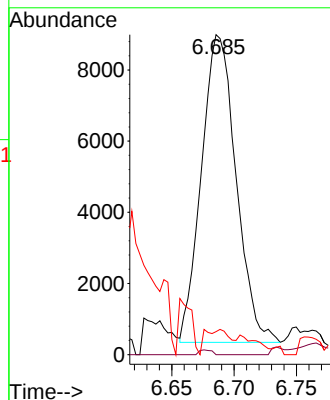
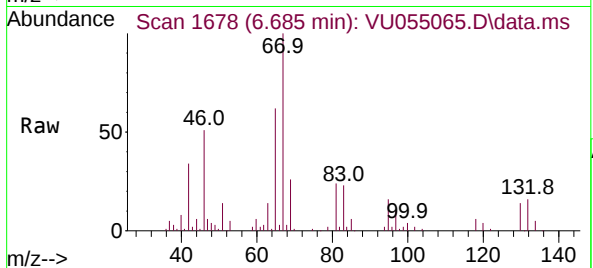
Tgt Ion: 83 Resp: 16716

Ion Ratio Lower Upper

83 100

55 0.6 60.4 90.6#

98 0.0 35.3 52.9#



#37

1,2-Dichloropropane

Concen: 0.834 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.096 min

Lab File: VU055065.D

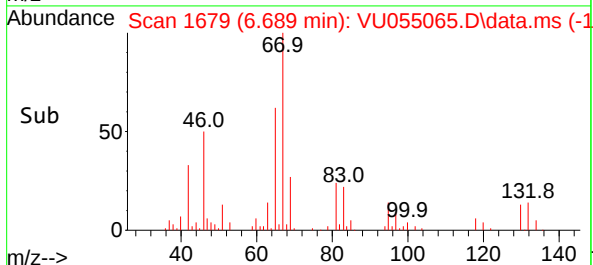
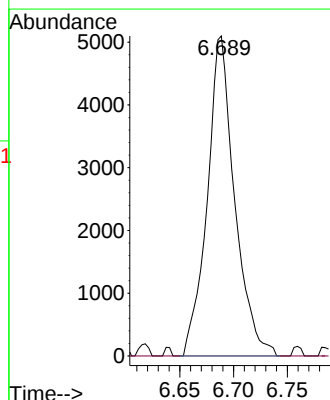
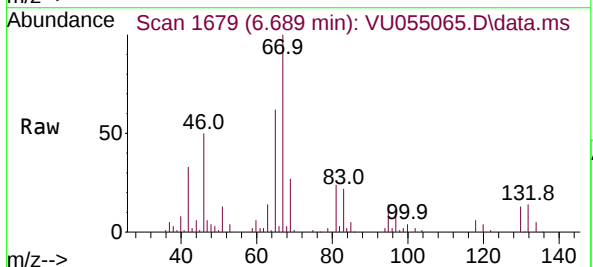
Acq: 02 Sep 2023 01:33

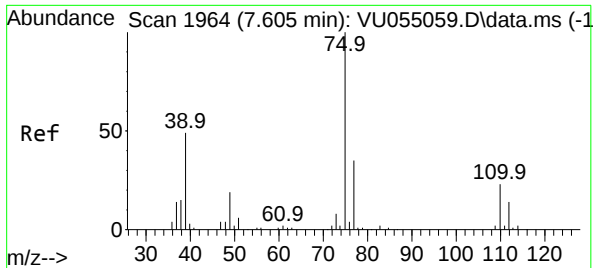
Tgt Ion: 63 Resp: 9046

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 7.566 min Scan# 1964

Delta R.T. -0.038 min

Lab File: VU055065.D

Acq: 02 Sep 2023 01:33

Instrument :

MSVOA_U

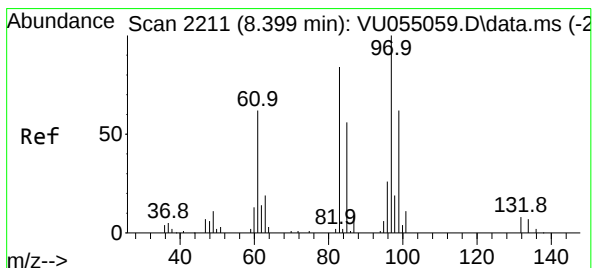
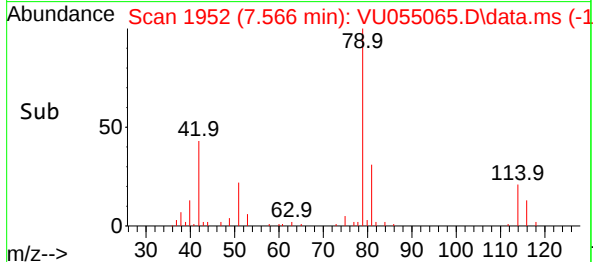
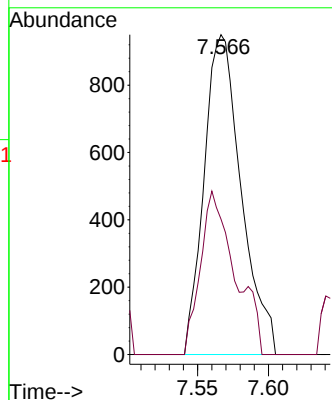
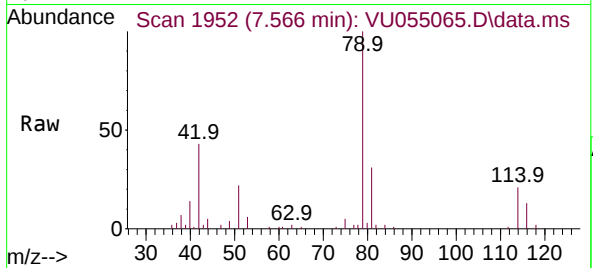
ClientSampleId :

Tgt Ion: 75 Resp: 1731

Ion Ratio Lower Upper

75 100

77 42.3 20.9 38.9#



#45

1,1,2-Trichloroethane

Concen: 0.175 ug/L

RT: 8.402 min Scan# 2212

Delta R.T. 0.003 min

Lab File: VU055065.D

Acq: 02 Sep 2023 01:33

Tgt Ion: 97 Resp: 1278

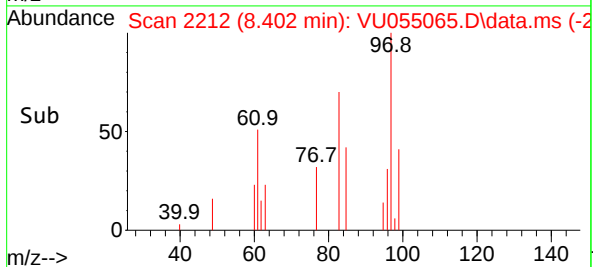
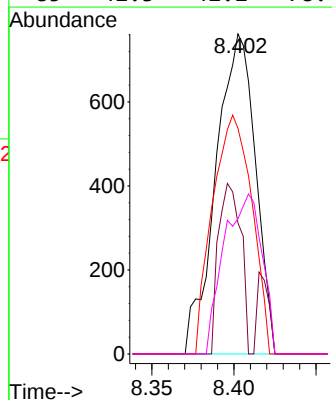
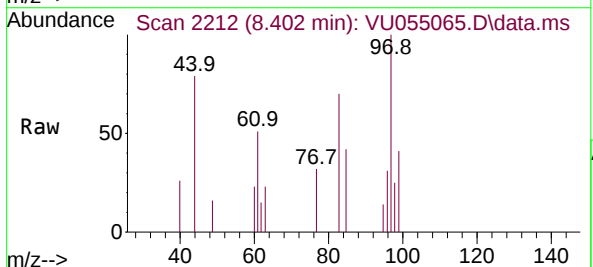
Ion Ratio Lower Upper

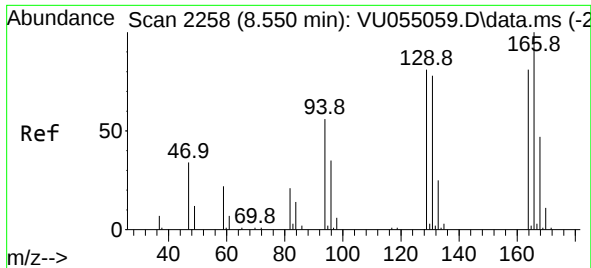
97 100

99 40.9 44.9 83.5#

83 70.5 66.9 124.3

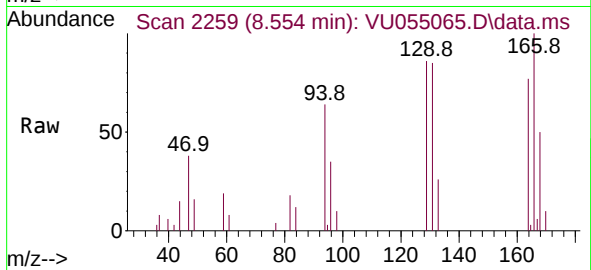
85 42.3 42.2 78.4





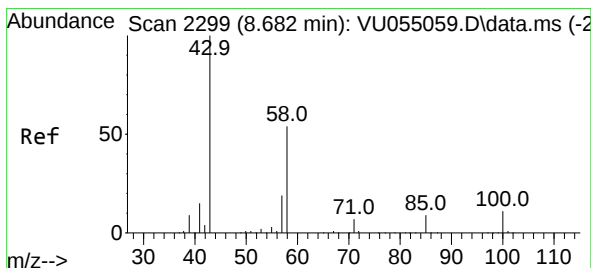
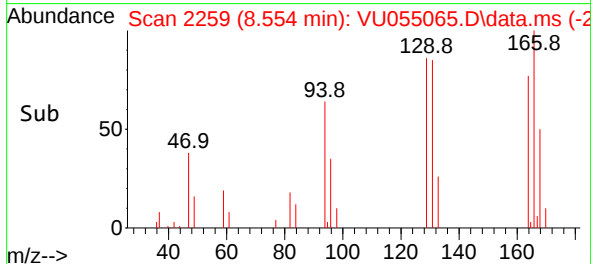
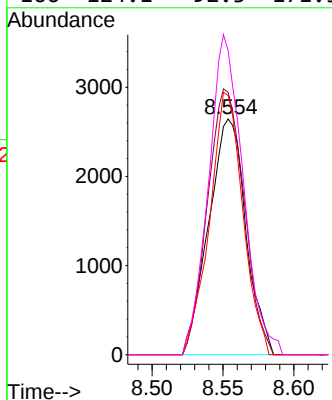
#47
Tetrachloroethene
Concen: 0.628 ug/L
RT: 8.554 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 4808

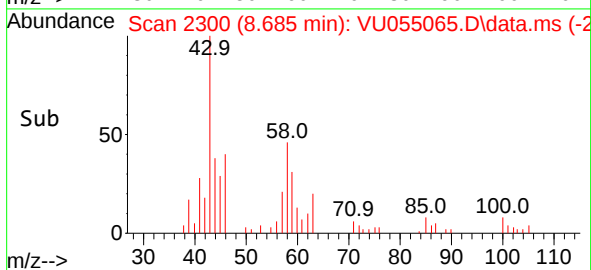
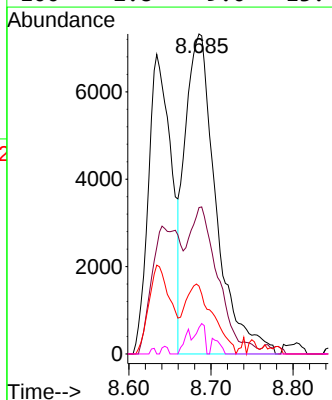
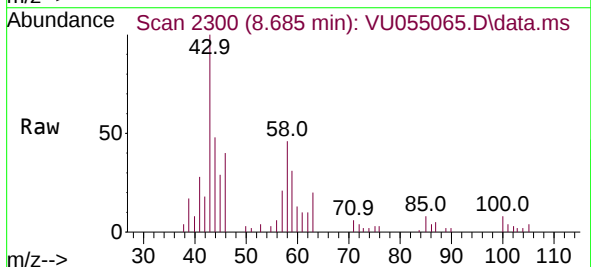
Ion	Ratio	Lower	Upper
164	100		
129	107.1	69.2	128.6
131	105.7	68.8	127.8
166	124.1	92.3	171.5

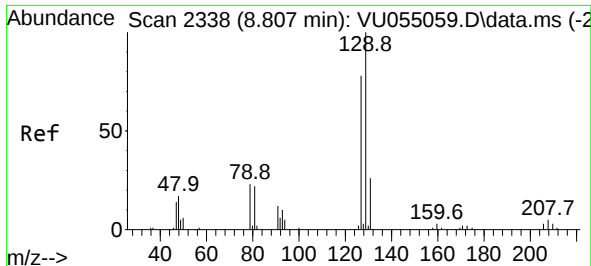


#48
2-Hexanone
Concen: 3.966 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

Tgt Ion: 43 Resp: 19228

Ion	Ratio	Lower	Upper
43	100		
58	39.7	44.0	66.0#
57	20.0	16.2	24.2
100	2.8	9.0	13.4#





#49

Dibromochloromethane

Concen: 0.670 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU055065.D

Acq: 02 Sep 2023 01:33

Instrument :

MSVOA_U

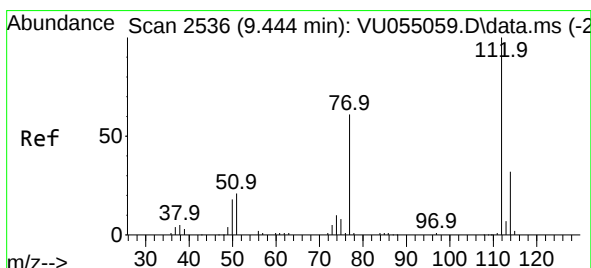
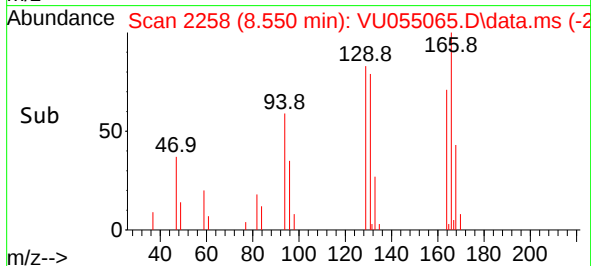
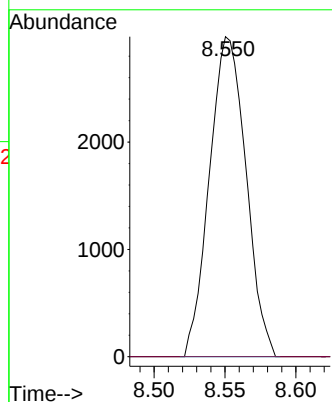
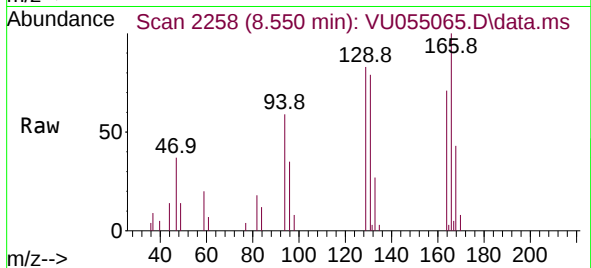
ClientSampleId :

Tgt Ion:129 Resp: 5349

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#51

Chlorobenzene

Concen: 2.090 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. 0.003 min

Lab File: VU055065.D

Acq: 02 Sep 2023 01:33

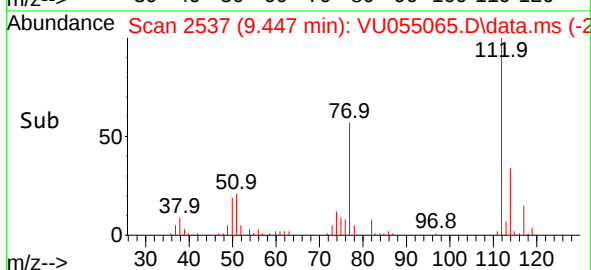
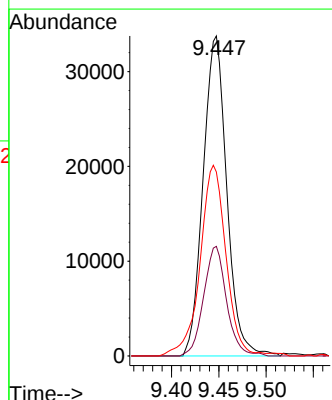
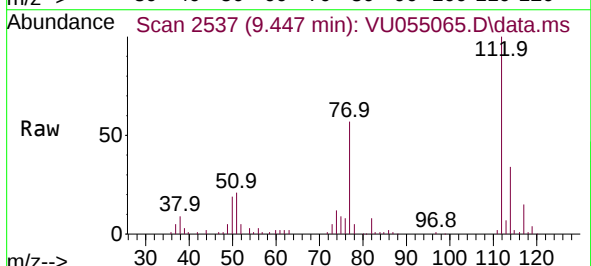
Tgt Ion:112 Resp: 58820

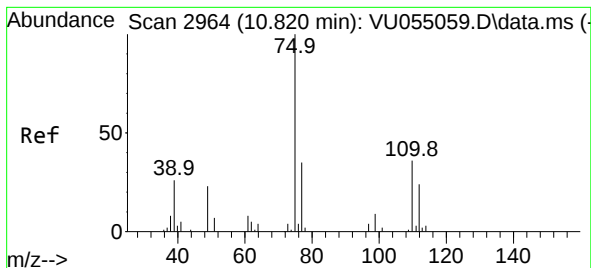
Ion Ratio Lower Upper

112 100

114 34.3 21.7 40.3

77 57.5 48.6 72.8





#61

1,2,3-Trichloropropane

Concen: 0.939 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.926 min

Lab File: VU055065.D

Acq: 02 Sep 2023 01:33

Instrument :

MSVOA_U

ClientSampleId :

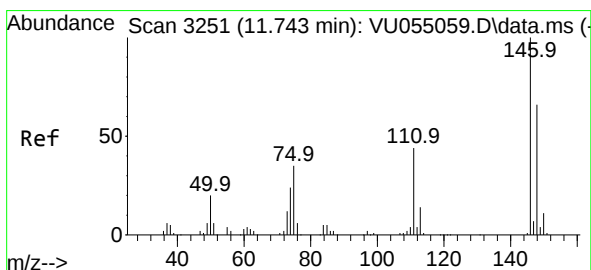
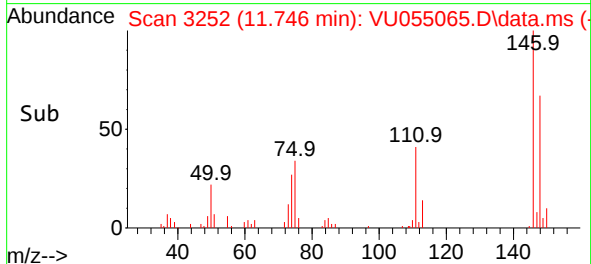
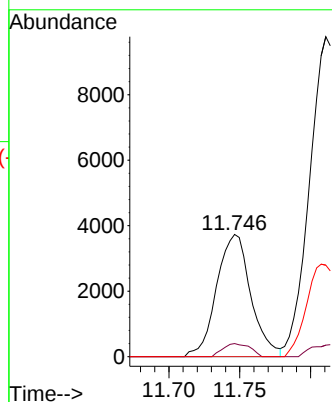
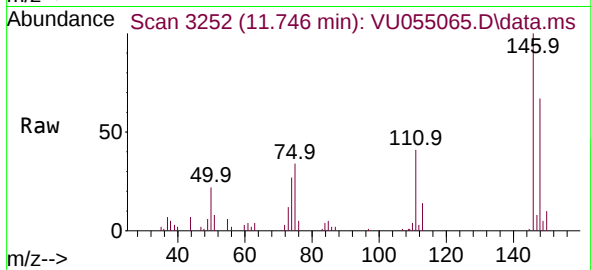
Tgt Ion: 75 Resp: 6268

Ion Ratio Lower Upper

75 100

110 8.5 28.2 42.2#

77 0.0 26.2 39.4#



#64

1,3-Dichlorobenzene

Concen: 0.798 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VU055065.D

Acq: 02 Sep 2023 01:33

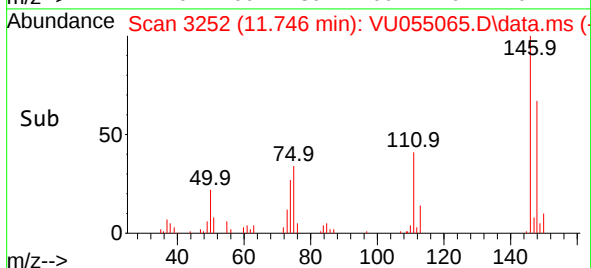
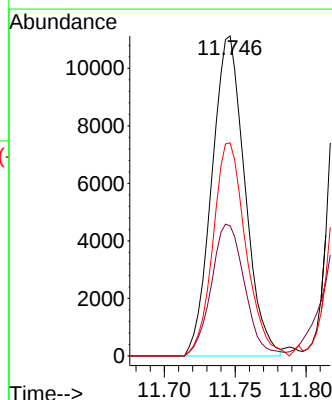
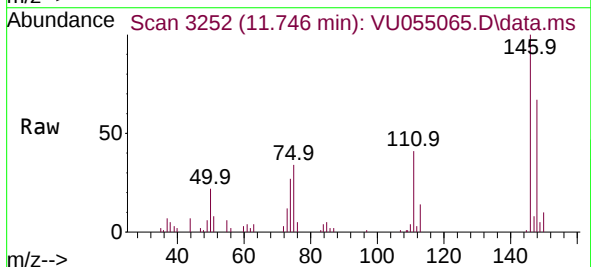
Tgt Ion:146 Resp: 17984

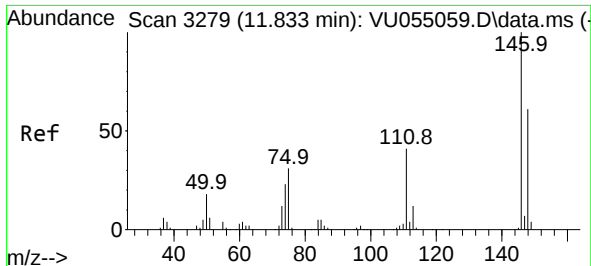
Ion Ratio Lower Upper

146 100

111 40.7 30.0 55.6

148 66.6 45.2 84.0

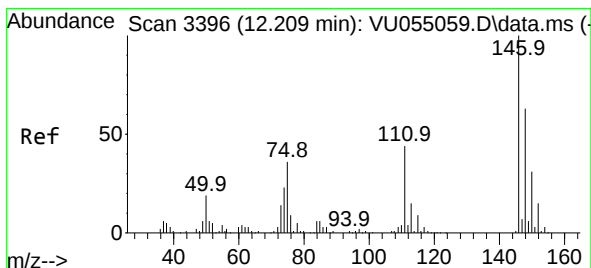
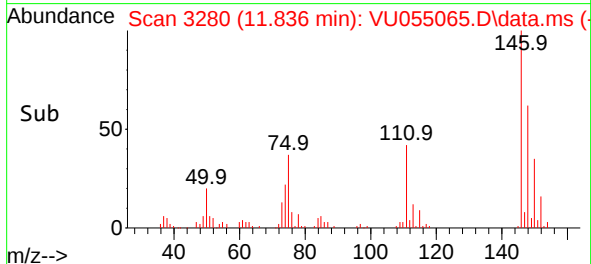
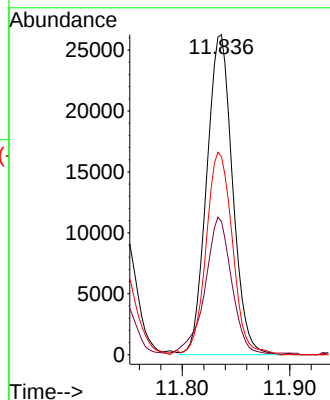
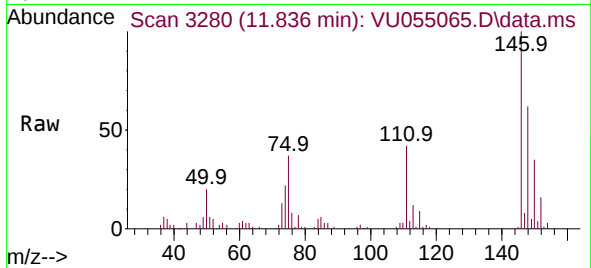




#65
1,4-Dichlorobenzene
Concen: 1.956 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

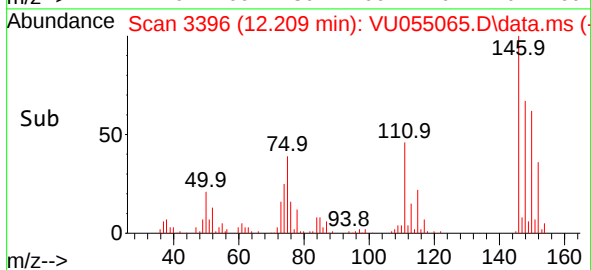
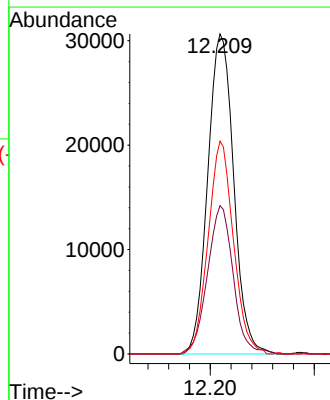
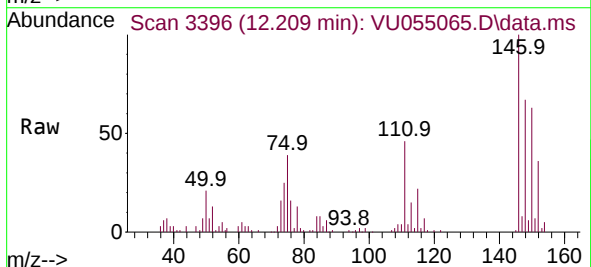
Instrument :
MSVOA_U
ClientSampleId :

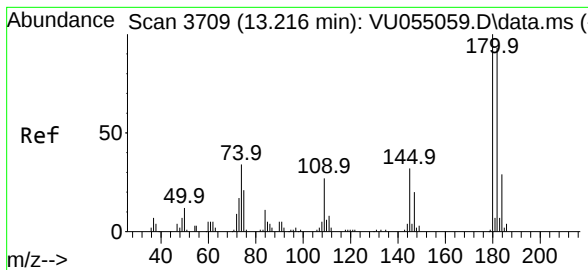
Tgt Ion:146 Resp: 43914
Ion Ratio Lower Upper
146 100
111 41.7 28.1 52.1
148 61.9 43.8 81.3



#67
1,2-Dichlorobenzene
Concen: 2.514 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU055065.D
Acq: 02 Sep 2023 01:33

Tgt Ion:146 Resp: 53106
Ion Ratio Lower Upper
146 100
111 46.3 35.6 53.4
148 66.5 51.3 76.9

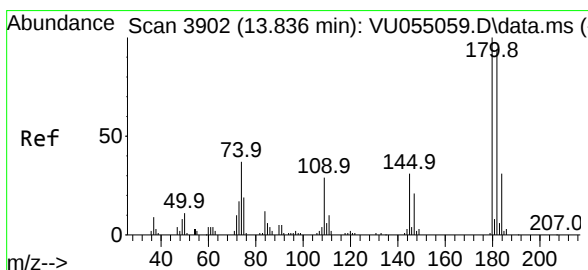
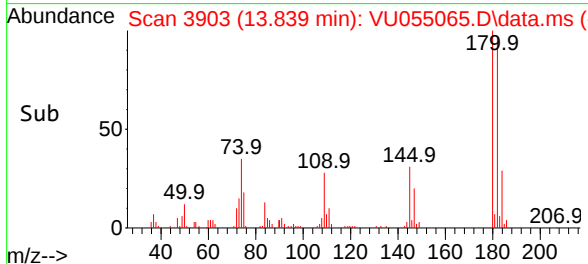
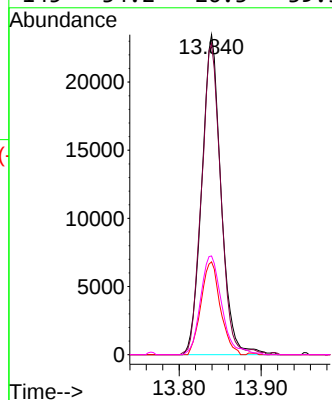
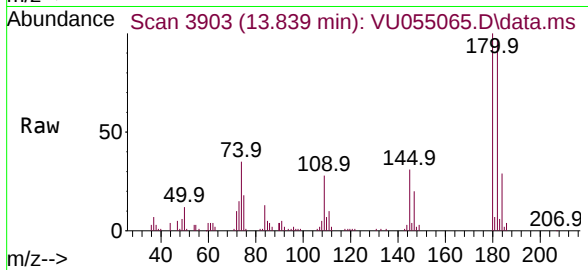




#69
 1,3,5-Trichlorobenzene
 Concen: 2.240 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.624 min
 Lab File: VU055065.D
 Acq: 02 Sep 2023 01:33

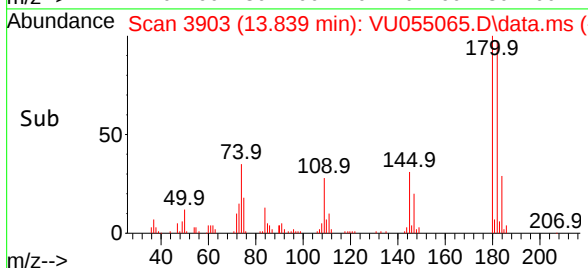
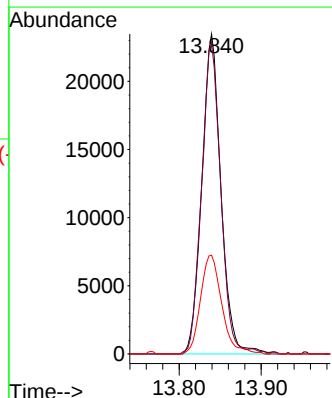
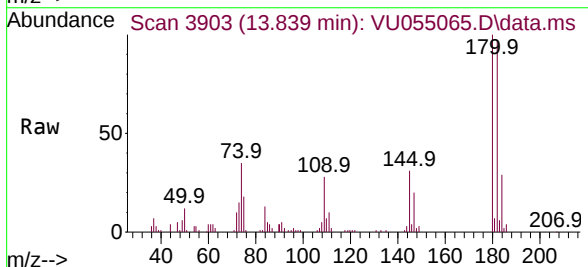
Instrument :
 MSVOA_U
 ClientSampleId :

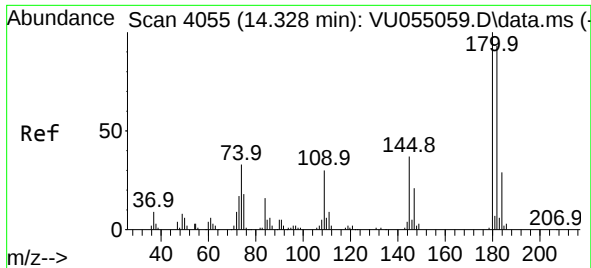
Tgt Ion:	180	Resp:	38138
Ion Ratio	Lower	Upper	
180	100		
182	96.1	75.8	113.6
184	29.1	24.0	36.0
145	34.2	26.3	39.5



#70
 1,2,4-trichlorobenzene
 Concen: 2.387 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.003 min
 Lab File: VU055065.D
 Acq: 02 Sep 2023 01:33

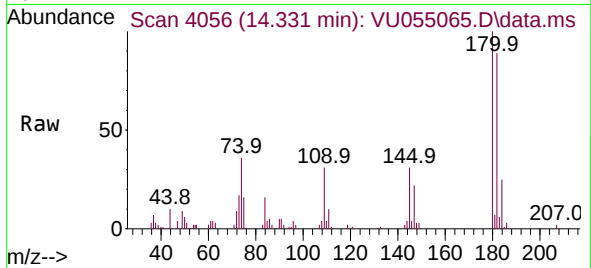
Tgt Ion:	180	Resp:	38110
Ion Ratio	Lower	Upper	
180	100		
182	96.2	73.6	110.4
145	34.3	25.8	38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 1.236 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. 0.003 min
 Lab File: VU055065.D
 Acq: 02 Sep 2023 01:33

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	17130
Ion Ratio	Lower	Upper	
180	100		
182	95.3	75.6	113.4
145	33.7	27.0	40.6

