

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055178.D
 Acq On : 07 Sep 2023 09:49
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 04:32:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	172312	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	175978	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	92513	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	31616	3.915	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.200%
7) Chloroethane-d5	1.907	69	41570	4.447	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.560	65	20089	4.366	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.621	46	121629	51.899	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.800%
24) Chloroform-d	5.062	84	104492	4.876	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.698	65	52491	4.896	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.724	84	196182	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.689	67	66450	4.810	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.200%
41) Toluene-d8	7.898	98	177173	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	8.177	79	15169	3.987	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.631	63	72389	46.864	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.720%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52158	5.368	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	62495	4.628	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	52922	5.285	ug/L	99
3) Chloromethane	1.515	50	53083	5.207	ug/L	99
5) Vinyl chloride	1.599	62	57268	5.325	ug/L	94
6) Bromomethane	1.850	94	30498	4.702	ug/L	92
8) Chloroethane	1.927	64	35813	5.115	ug/L	99
9) Trichlorofluoromethane	2.132	101	80532	5.150	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	46398	5.099	ug/L	95
12) 1,1-Dichloroethene	2.573	96	39373	4.942	ug/L	94
13) Acetone	2.624	43	74015	47.122	ug/L	99
14) Carbon disulfide	2.788	76	91729	4.702	ug/L	97
15) Methyl Acetate	2.949	43	29141	9.064	ug/L	98
16) Methylene chloride	3.039	84	51046	4.194	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	110593	5.293	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	40839	5.053	ug/L	94
19) 1,1-Dichloroethane	3.866	63	93913	5.377	ug/L	98
21) 2-Butanone	4.702	43	114957	49.813	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	48662	4.918	ug/L	99
23) Bromochloromethane	4.972	128	22580	5.549	ug/L	93
25) Chloroform	5.084	83	98276	5.402	ug/L	95

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 04:32:44 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

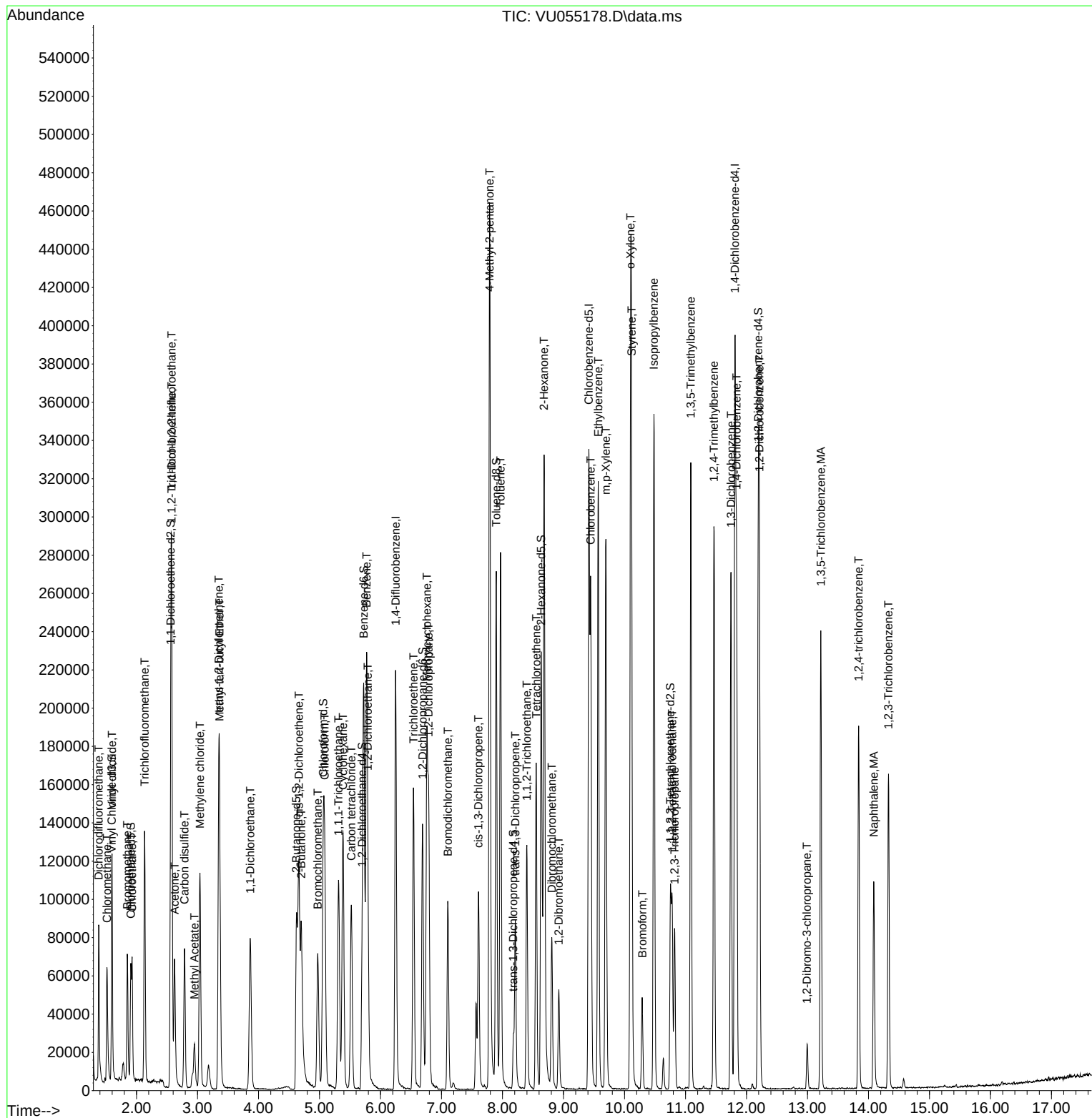
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	59119	5.324	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	77798	5.111	ug/L	98
30) Cyclohexane	5.383	56	64607	4.773	ug/L	97
31) Carbon tetrachloride	5.521	117	64105	5.065	ug/L	98
33) Benzene	5.772	78	191790	5.121	ug/L	100
34) Trichloroethene	6.541	95	52909	5.083	ug/L	96
35) Methylcyclohexane	6.763	83	68942	4.721	ug/L	99
37) 1,2-Dichloropropane	6.788	63	54071	5.303	ug/L	99
38) Bromodichloromethane	7.103	83	62571	5.140	ug/L #	98
39) cis-1,3-Dichloropropene	7.605	75	60908	4.392	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	303923	52.252	ug/L	99
42) Toluene	7.968	91	203917	5.107	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	48462	4.452	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	39310	5.724	ug/L	97
47) Tetrachloroethene	8.553	164	35190	4.891	ug/L	96
48) 2-Hexanone	8.682	43	214776	47.142	ug/L	97
49) Dibromochloromethane	8.807	129	39082	5.213	ug/L	93
50) 1,2-Dibromoethane	8.923	107	33824	5.408	ug/L	96
51) Chlorobenzene	9.447	112	132184	4.999	ug/L	99
52) Ethylbenzene	9.569	91	224570	5.027	ug/L	100
53) m,p-Xylene	9.695	106	81418	4.926	ug/L	98
54) o-Xylene	10.100	106	79951	4.915	ug/L	93
55) Styrene	10.116	104	137531	5.120	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.782	83	46742	5.464	ug/L	92
59) Bromoform	10.293	173	19018	5.145	ug/L	97
60) Isopropylbenzene	10.483	105	222399	5.155	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	33828	5.510	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	176608	4.921	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	164697	4.657	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	103099	4.978	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	103680	5.023	ug/L	98
67) 1,2-Dichlorobenzene	12.212	146	97912	5.043	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	6256	5.290	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.219	180	70738	4.520	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	51553	3.513	ug/L	96
71) Naphthalene	14.087	128	86744	3.252	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	47041	3.693	ug/L	99

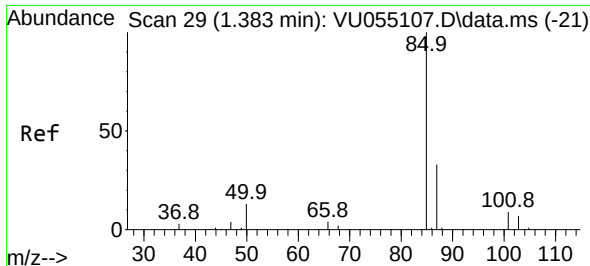
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ClientSampleId :

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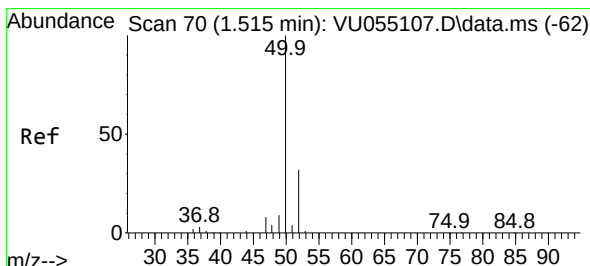
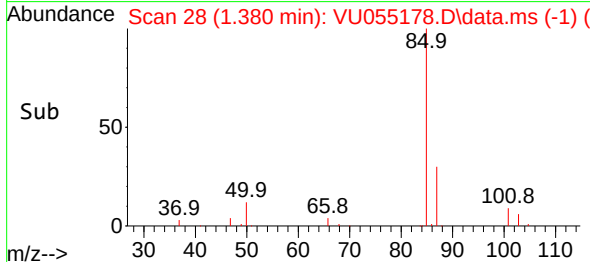
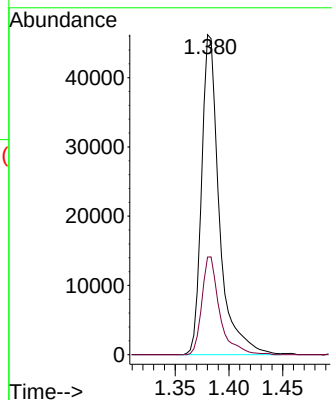
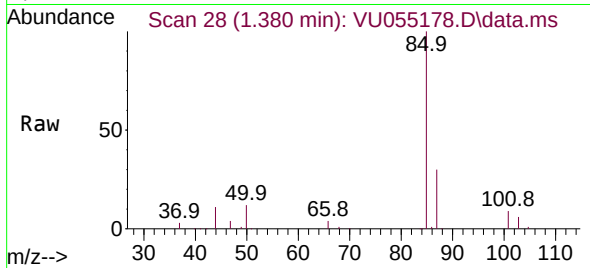




#2
 Dichlorodifluoromethane
 Concen: 5.285 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

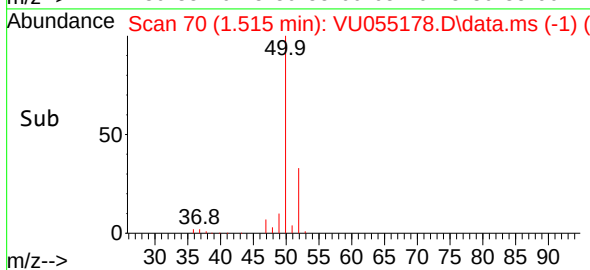
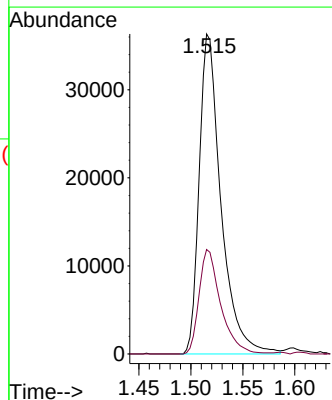
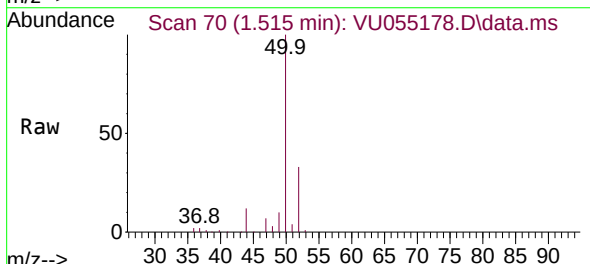
Instrument :
 MSVOA_U
 ClientSampleId :

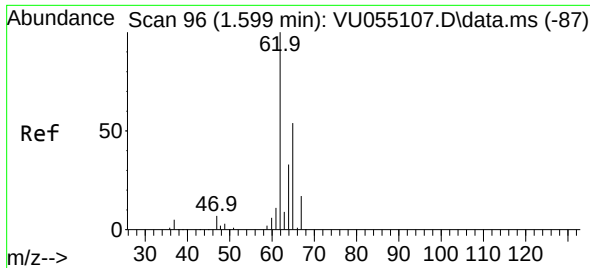
Tgt Ion: 85 Resp: 52922
 Ion Ratio Lower Upper
 85 100
 87 30.8 25.1 37.7



#3
 Chloromethane
 Concen: 5.207 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

Tgt Ion: 50 Resp: 53083
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.5 41.7

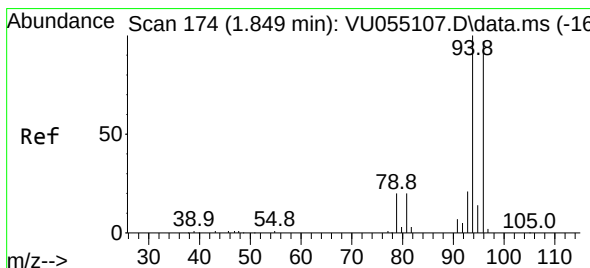
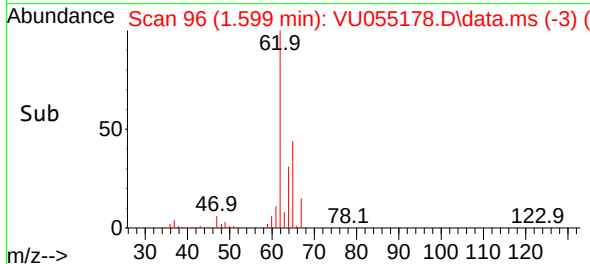
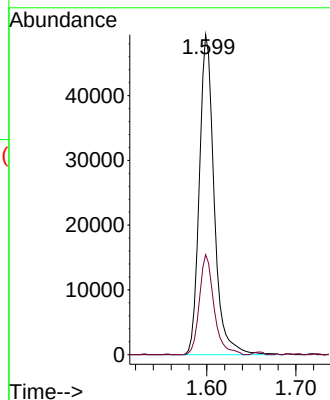
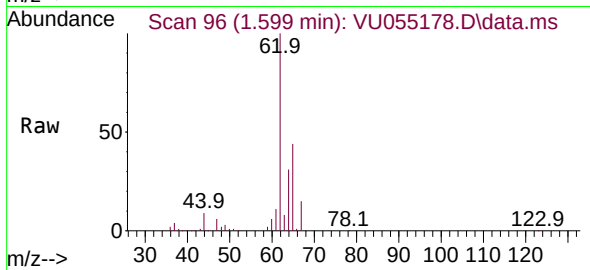




#5
 Vinyl chloride
 Concen: 5.325 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

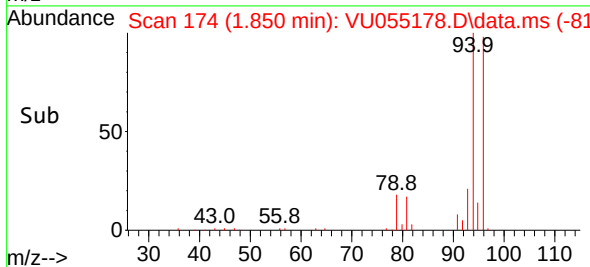
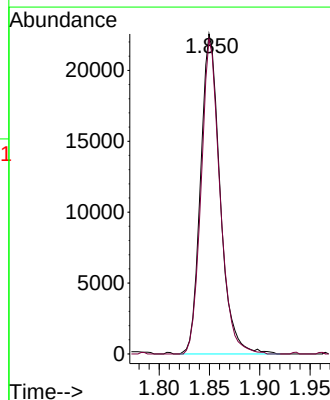
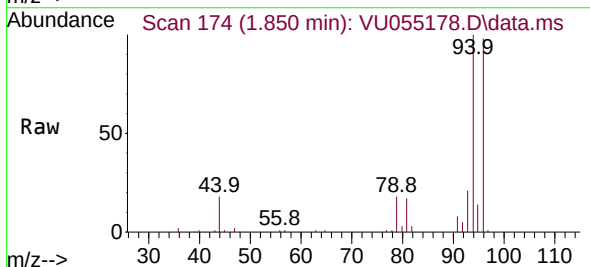
Instrument :
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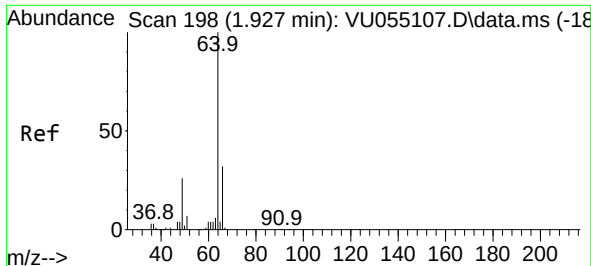
Tgt Ion: 62 Resp: 57268
 Ion Ratio Lower Upper
 62 100
 64 31.3 24.2 45.0



#6
 Bromomethane
 Concen: 4.702 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

Tgt Ion: 94 Resp: 30498
 Ion Ratio Lower Upper
 94 100
 96 98.3 63.8 118.4





#8

Chloroethane

Concen: 5.115 ug/L

RT: 1.927 min Scan# 198

Delta R.T. 0.000 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

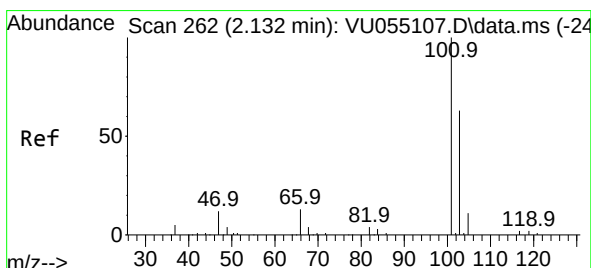
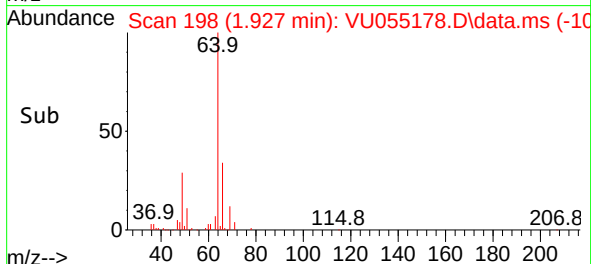
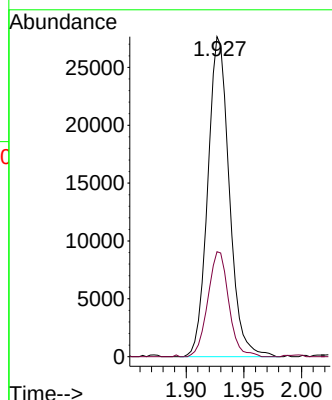
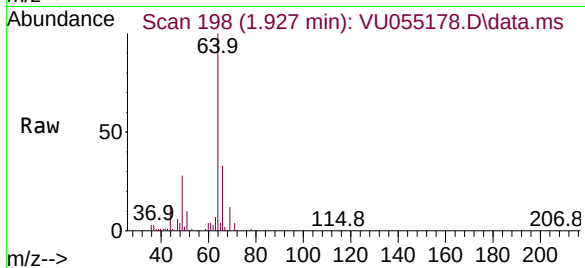
ClientSampleId :

Tgt Ion: 64 Resp: 35813

Ion Ratio Lower Upper

64 100

66 32.8 22.4 41.6



#9

Trichlorofluoromethane

Concen: 5.150 ug/L

RT: 2.132 min Scan# 262

Delta R.T. 0.000 min

Lab File: VU055178.D

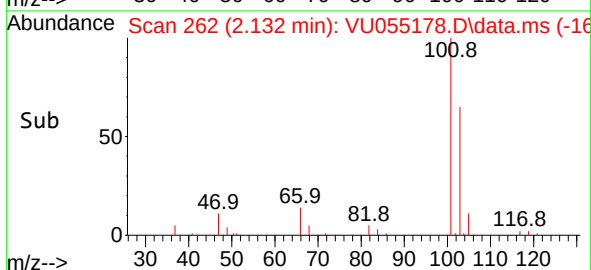
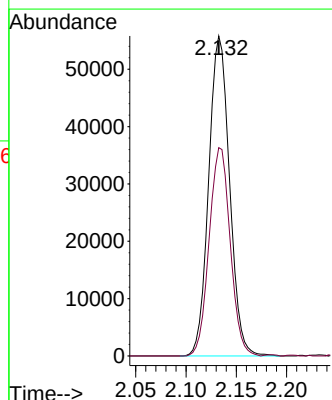
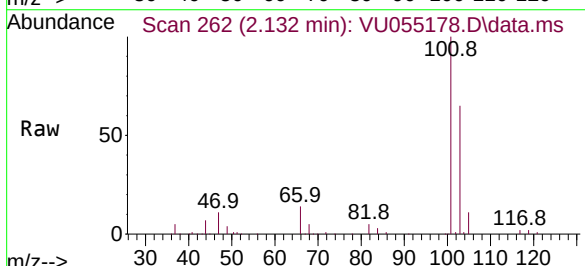
Acq: 07 Sep 2023 09:49

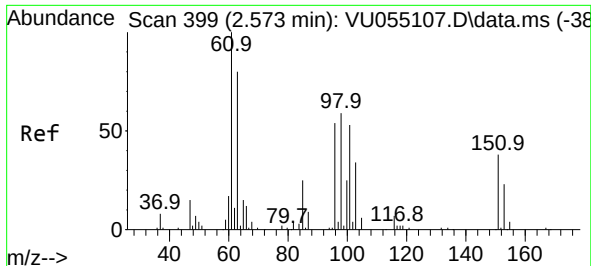
Tgt Ion: 101 Resp: 80532

Ion Ratio Lower Upper

101 100

103 65.7 51.9 77.9

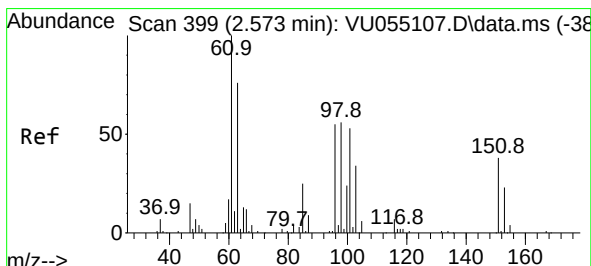
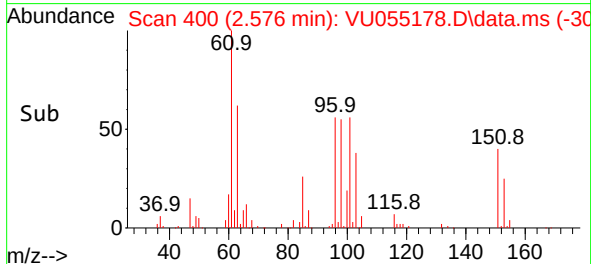
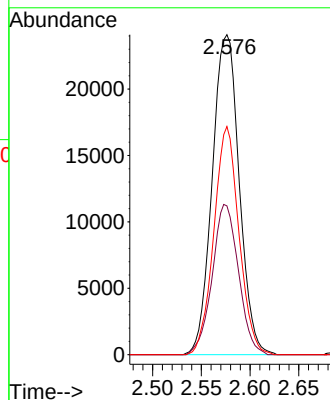
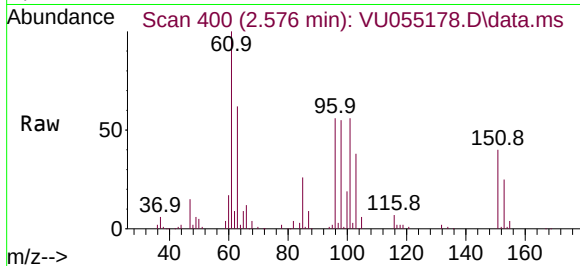




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.099 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

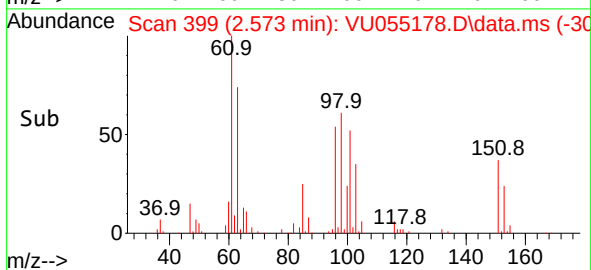
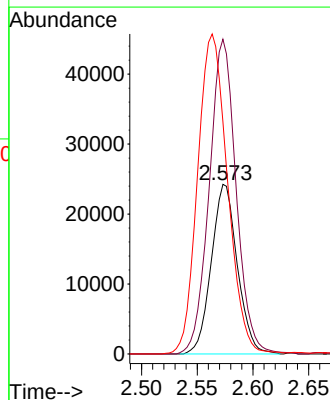
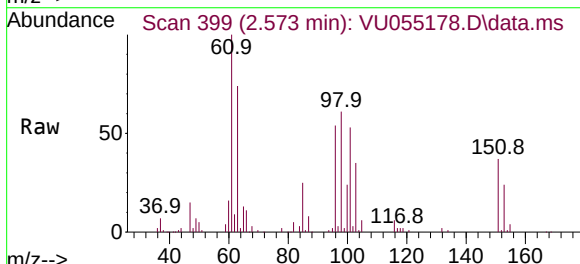
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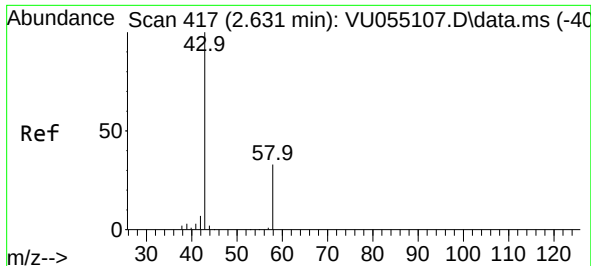
Tgt Ion:101 Resp: 46398
 Ion Ratio Lower Upper
 101 100
 85 45.7 37.3 55.9
 151 66.4 57.6 86.4



#12
 1,1-Dichloroethene
 Concen: 4.942 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

Tgt Ion: 96 Resp: 39373
 Ion Ratio Lower Upper
 96 100
 61 185.6 120.8 224.4
 63 136.9 94.5 175.5





#13

Acetone

Concen: 47.122 ug/L

RT: 2.624 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

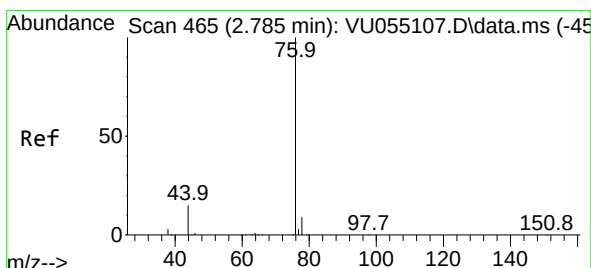
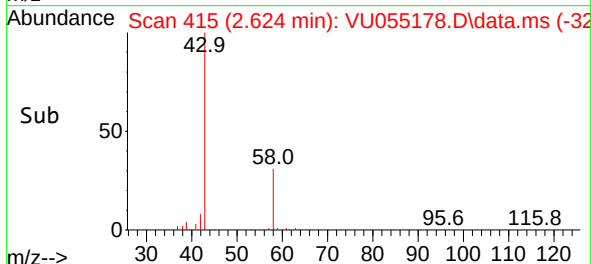
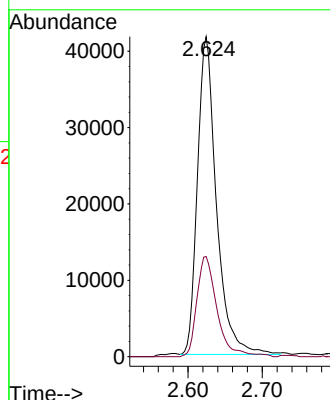
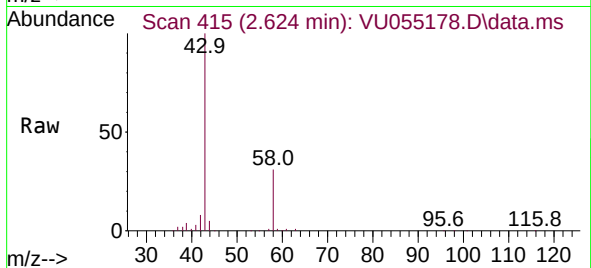
ClientSampleId :

Tgt Ion: 43 Resp: 74015

Ion Ratio Lower Upper

43 100

58 33.1 0.0 67.8



#14

Carbon disulfide

Concen: 4.702 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU055178.D

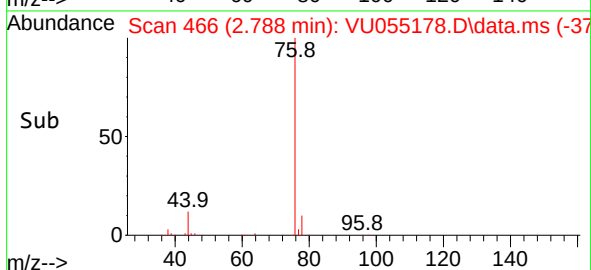
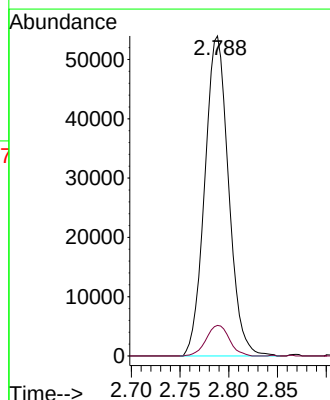
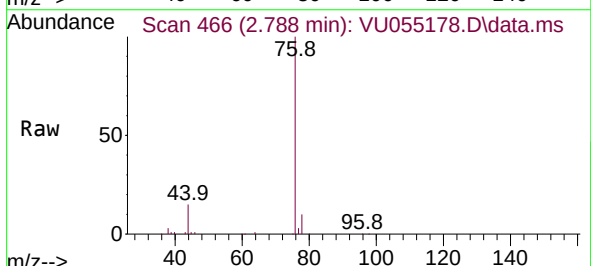
Acq: 07 Sep 2023 09:49

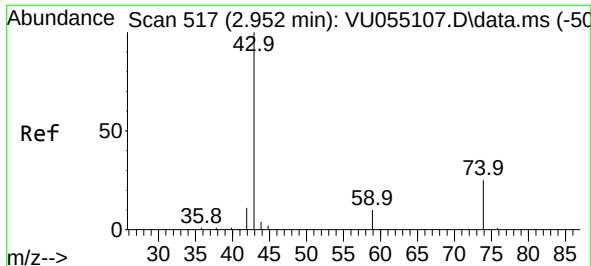
Tgt Ion: 76 Resp: 91729

Ion Ratio Lower Upper

76 100

78 9.5 6.8 10.2





#15

Methyl Acetate

Concen: 9.064 ug/L

RT: 2.949 min Scan# 517

Delta R.T. -0.003 min

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Instrument :

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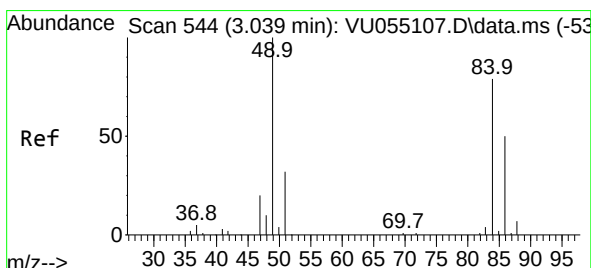
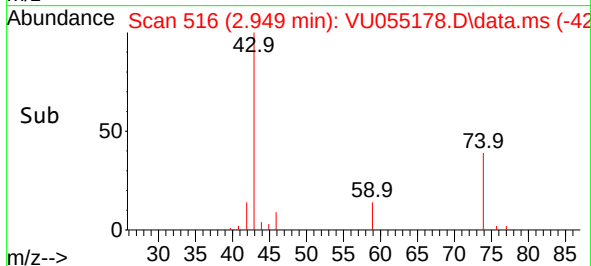
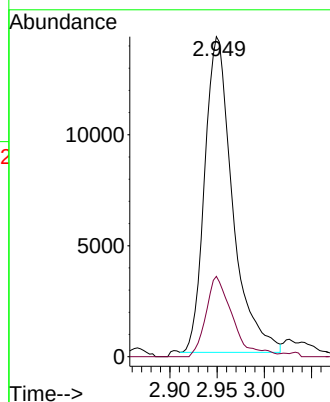
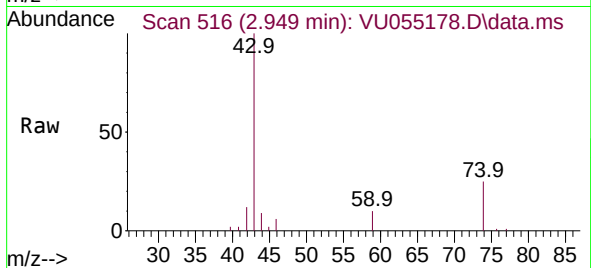
ClientSampleId :

Tgt Ion: 43 Resp: 29141

Ion Ratio Lower Upper

43 100

74 24.2 18.4 27.6



#16

Methylene chloride

Concen: 4.194 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

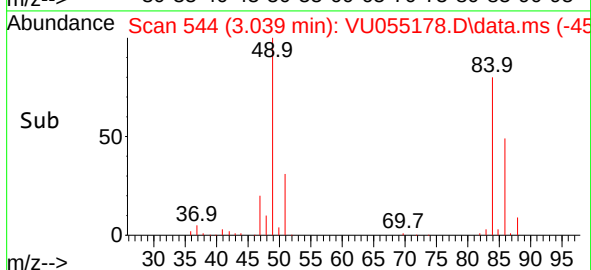
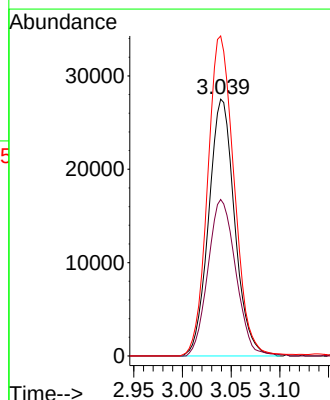
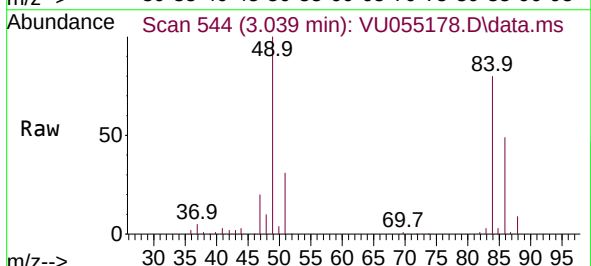
Tgt Ion: 84 Resp: 51046

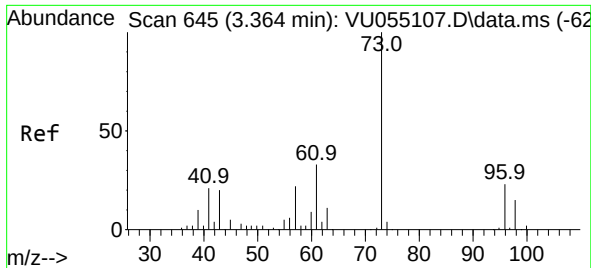
Ion Ratio Lower Upper

84 100

86 60.9 43.4 80.6

49 124.6 87.7 162.9

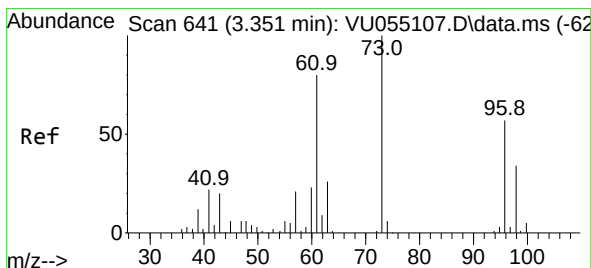
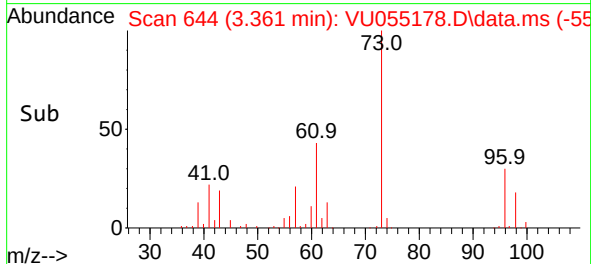
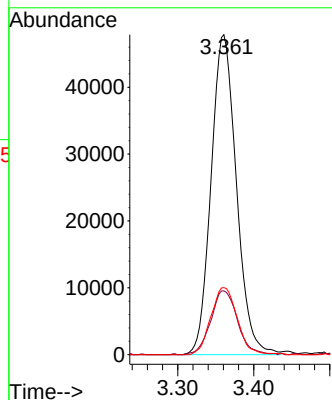
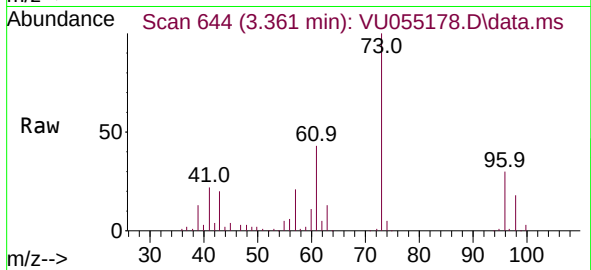




#17
Methyl tert-butyl Ether
Concen: 5.293 ug/L
RT: 3.361 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

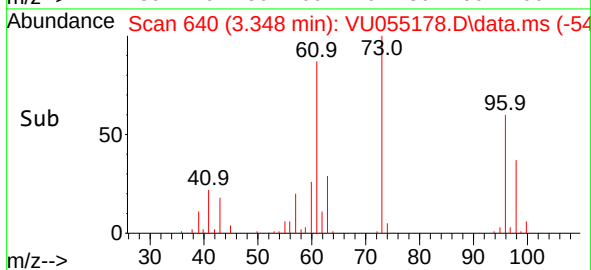
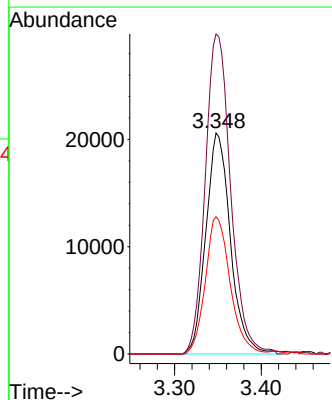
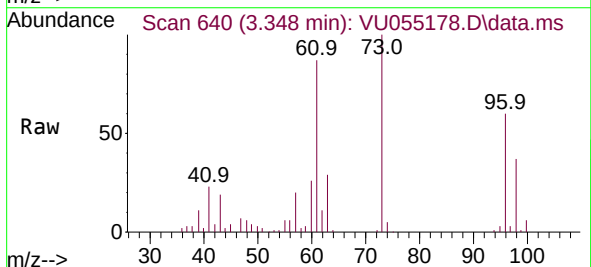
Instrument :
MSVOA_U
ClientSampleId :

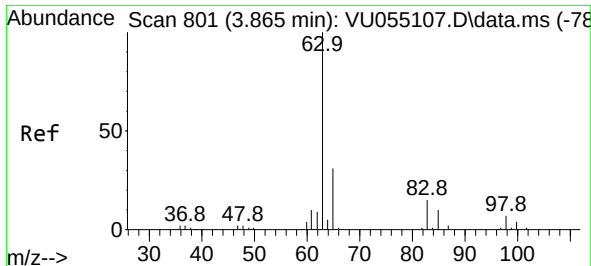
Tgt Ion: 73 Resp: 110593
Ion Ratio Lower Upper
73 100
43 21.1 16.2 24.2
57 21.9 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 5.053 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion: 96 Resp: 40839
Ion Ratio Lower Upper
96 100
61 144.8 108.1 200.9
98 62.1 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.377 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055178.D

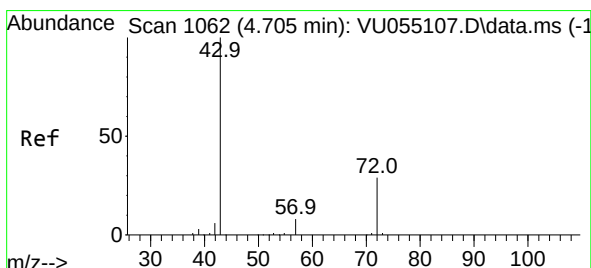
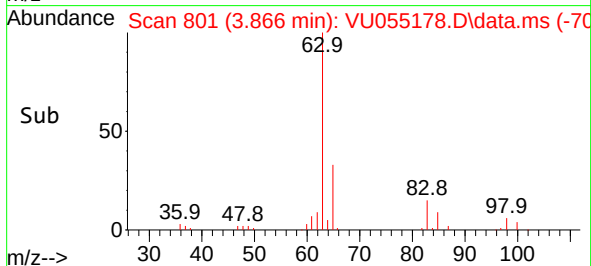
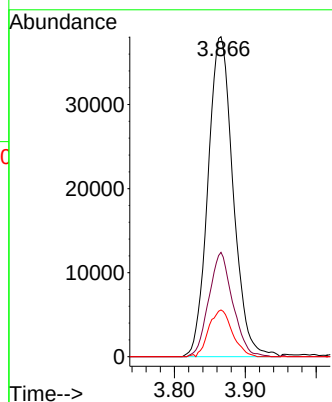
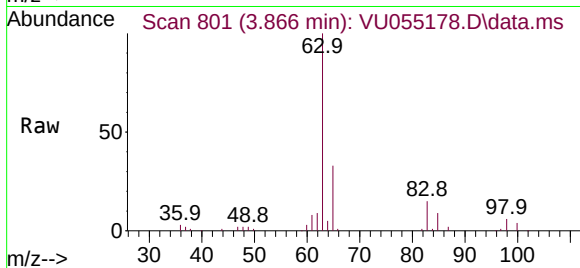
Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	93913
Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.2	41.2
83	14.6	10.6	19.8



#21

2-Butanone

Concen: 49.813 ug/L

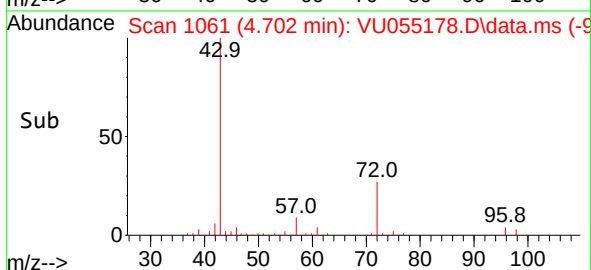
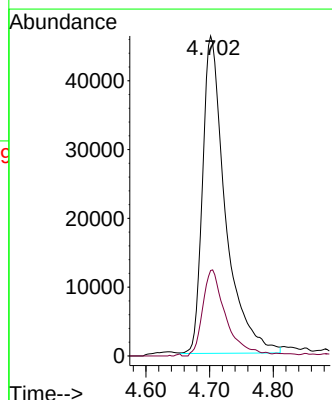
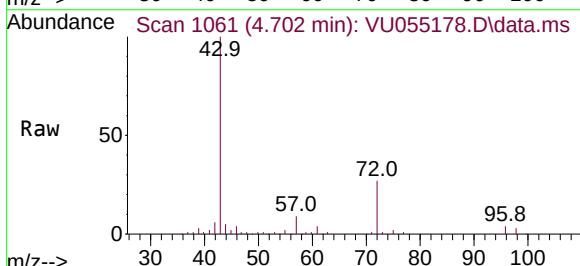
RT: 4.702 min Scan# 1061

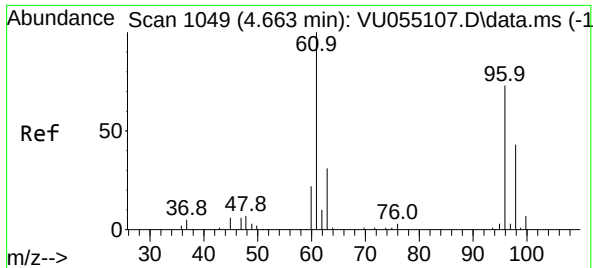
Delta R.T. -0.003 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

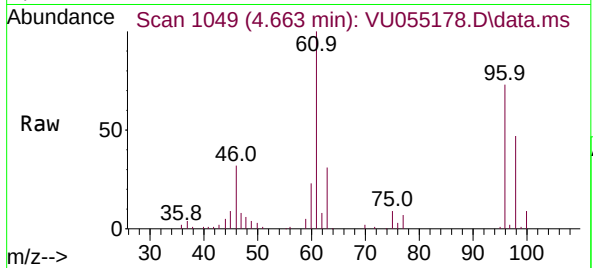
Tgt Ion:	43	Resp:	114957
Ion	Ratio	Lower	Upper
43	100		
72	27.6	13.5	40.5





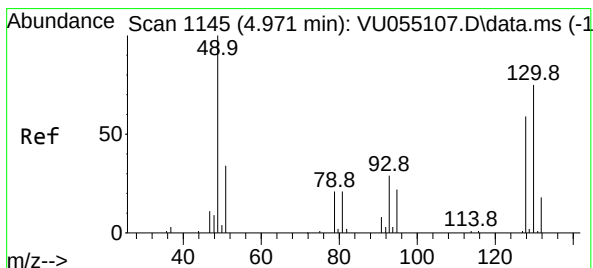
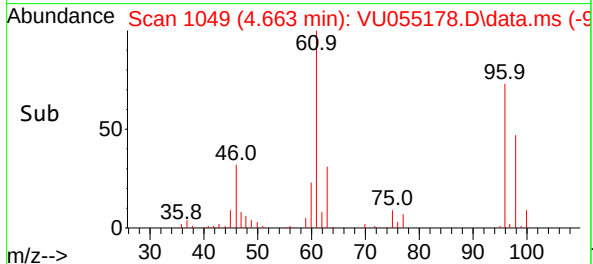
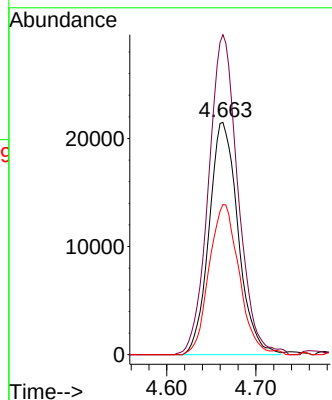
#22
 cis-1,2-Dichloroethene
 Concen: 4.918 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 48662

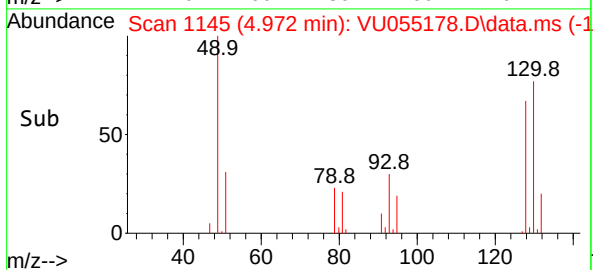
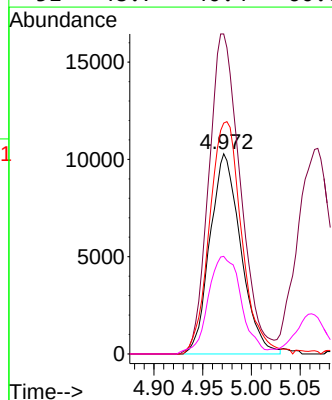
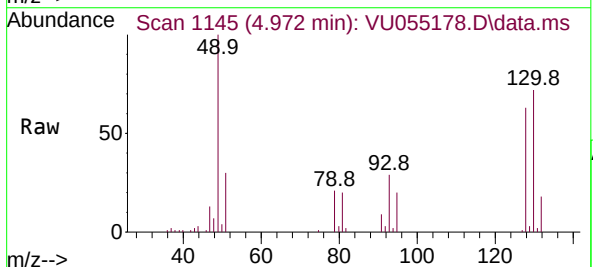
Ion	Ratio	Lower	Upper
96	100		
61	137.7	97.2	180.4
98	64.6	46.1	85.7

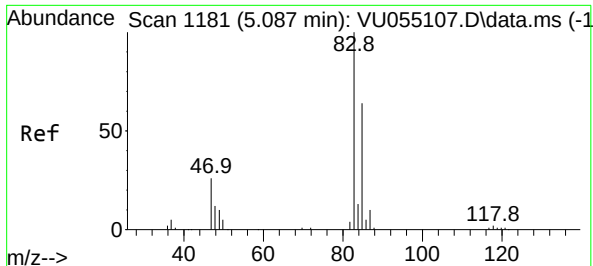


#23
 Bromochloromethane
 Concen: 5.549 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

Tgt Ion: 128 Resp: 22580

Ion	Ratio	Lower	Upper
128	100		
49	159.8	118.9	220.9
130	115.4	88.0	163.4
51	48.7	40.4	60.6





#25

Chloroform

Concen: 5.402 ug/L

RT: 5.084 min Scan# 1181

Delta R.T. -0.003 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

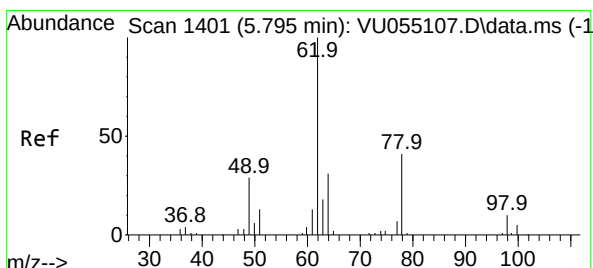
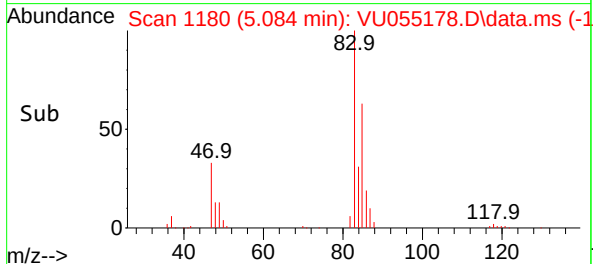
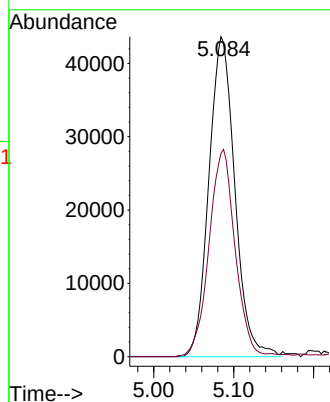
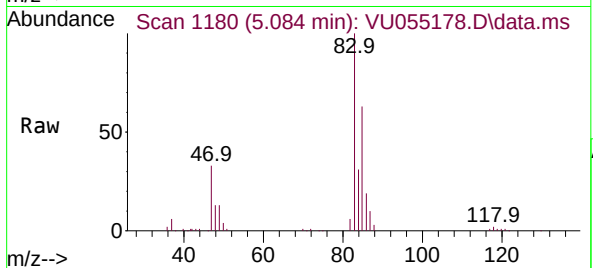
ClientSampleId :

Tgt Ion: 83 Resp: 98276

Ion Ratio Lower Upper

83 100

85 63.5 47.2 87.6



#27

1,2-Dichloroethane

Concen: 5.324 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.003 min

Lab File: VU055178.D

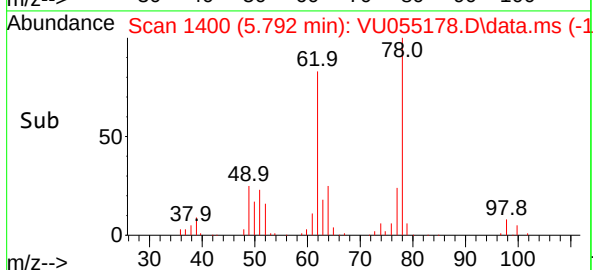
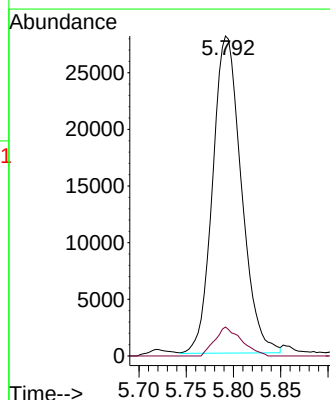
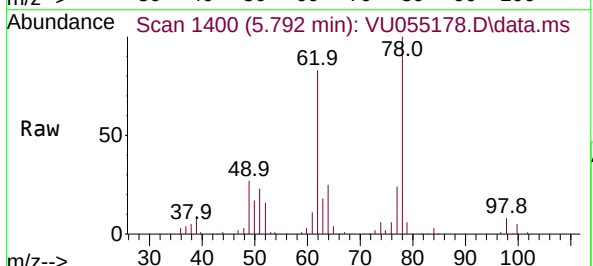
Acq: 07 Sep 2023 09:49

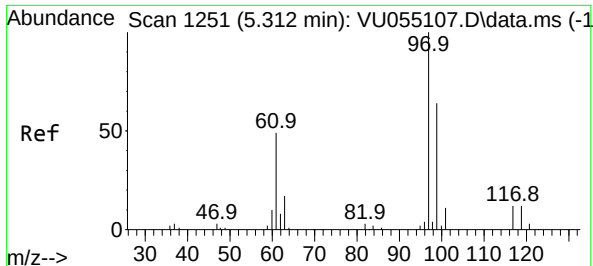
Tgt Ion: 62 Resp: 59119

Ion Ratio Lower Upper

62 100

98 9.0 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 5.111 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

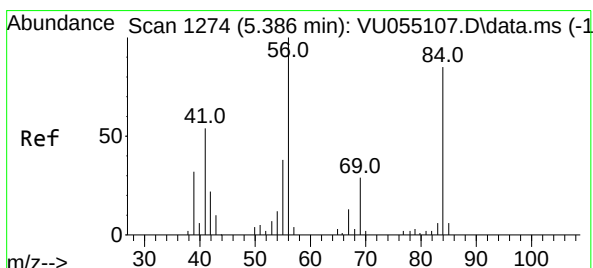
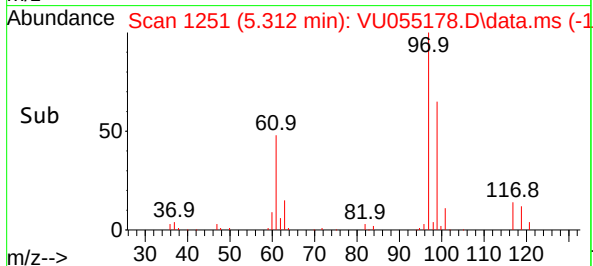
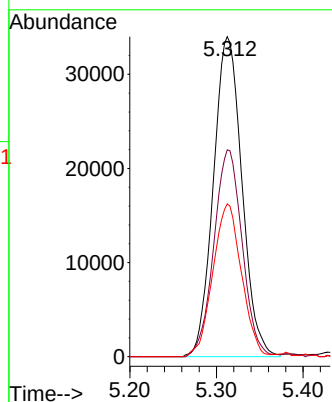
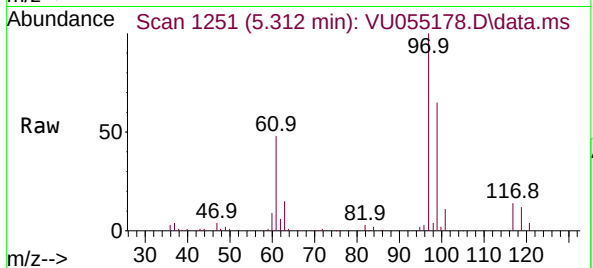
Tgt Ion: 97 Resp: 77798

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

61 48.0 36.8 55.2



#30

Cyclohexane

Concen: 4.773 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.003 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

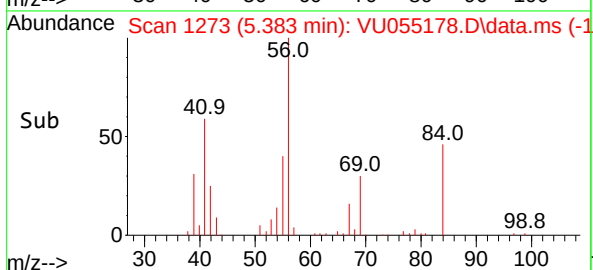
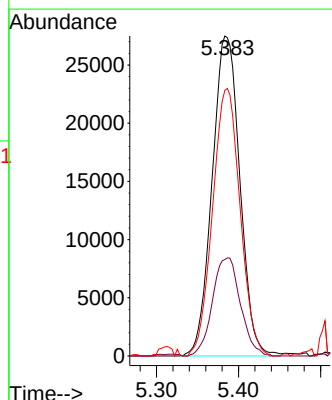
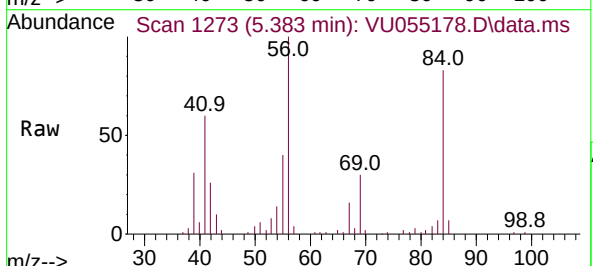
Tgt Ion: 56 Resp: 64607

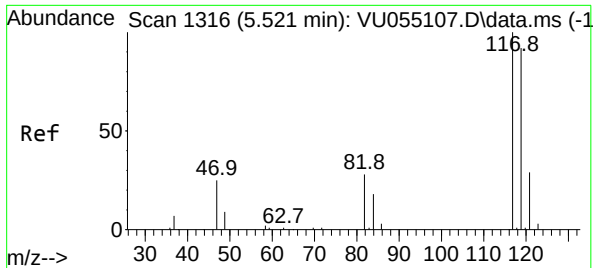
Ion Ratio Lower Upper

56 100

69 30.9 24.6 37.0

84 82.9 68.8 103.2

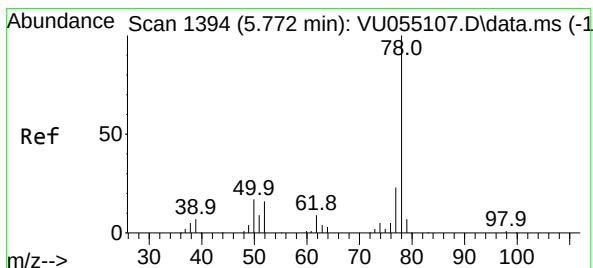
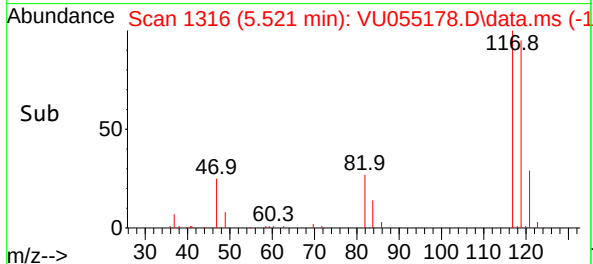
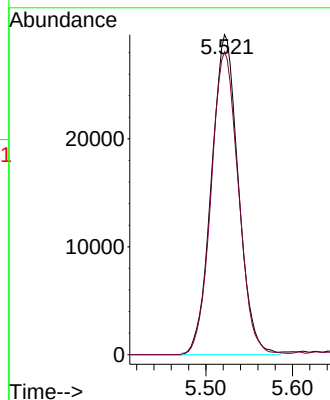
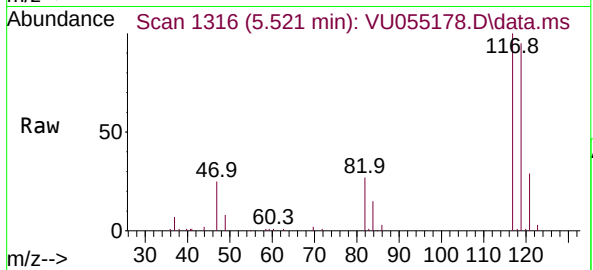




#31
Carbon tetrachloride
Concen: 5.065 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

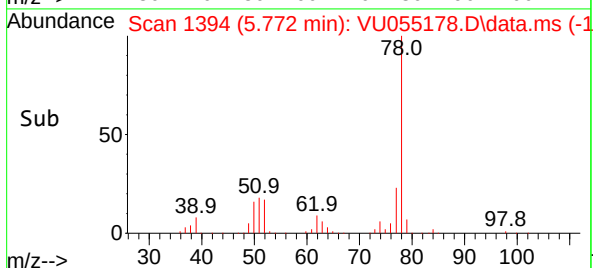
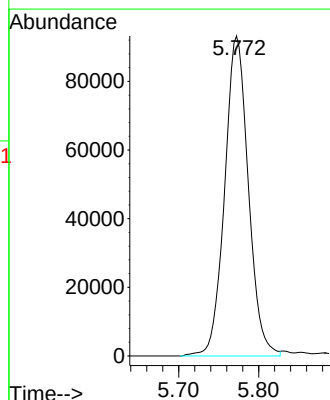
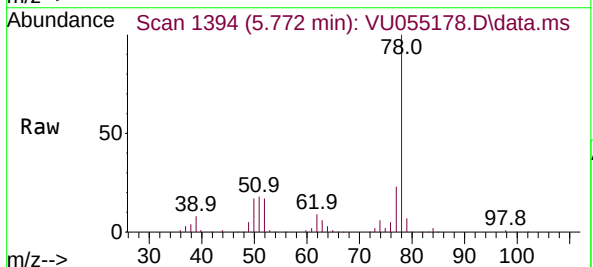
Instrument :
MSVOA_U
ClientSampleId :

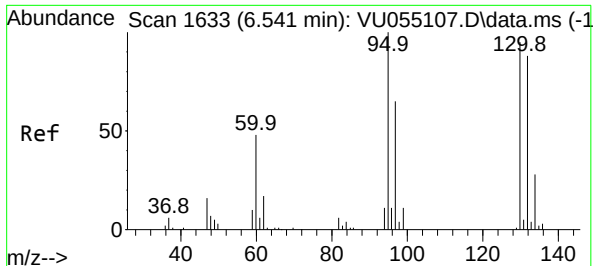
Tgt Ion:117 Resp: 64105
Ion Ratio Lower Upper
117 100
119 95.8 75.4 113.0



#33
Benzene
Concen: 5.121 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion: 78 Resp: 191790

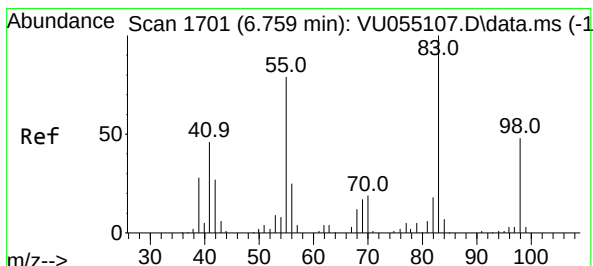
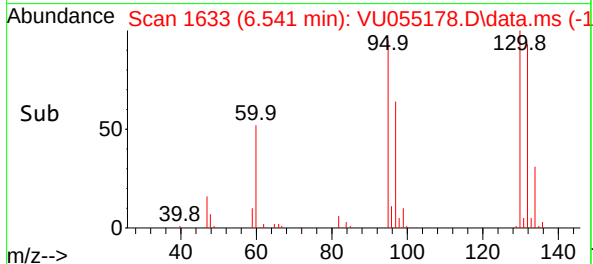
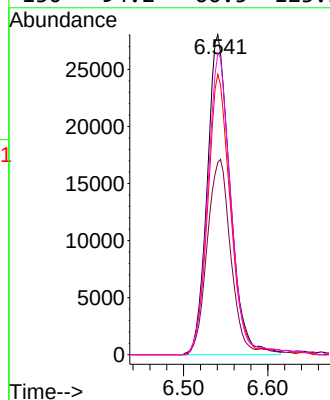
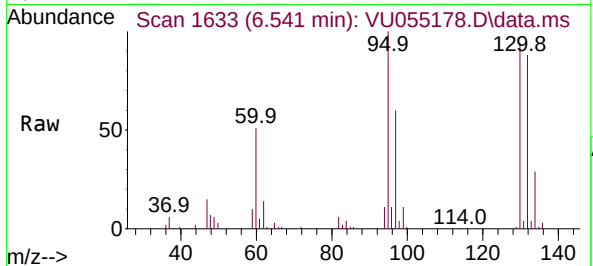




#34
Trichloroethene
Concen: 5.083 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

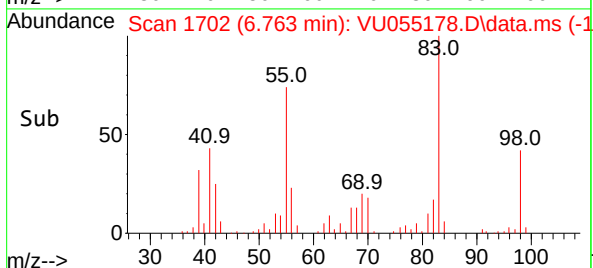
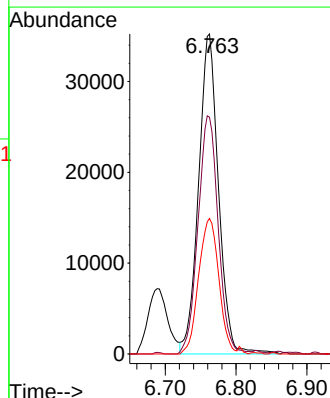
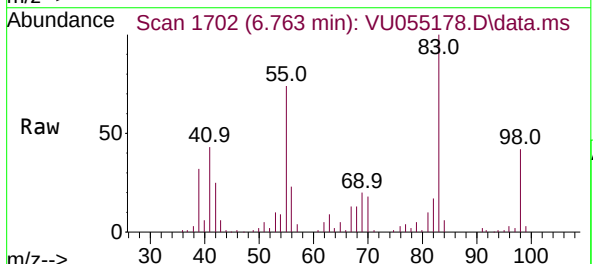
Instrument :
MSVOA_U
ClientSampleId :

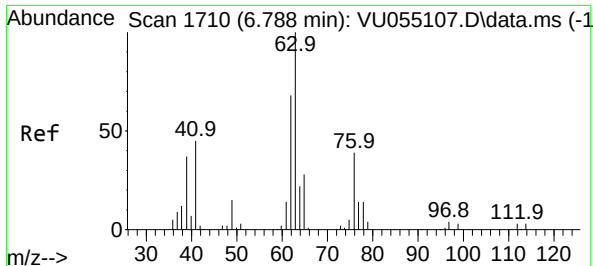
Tgt Ion: 95 Resp: 52909
Ion Ratio Lower Upper
95 100
97 60.1 44.7 83.1
132 87.6 66.6 123.6
130 94.2 66.5 123.5



#35
Methylcyclohexane
Concen: 4.721 ug/L
RT: 6.763 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion: 83 Resp: 68942
Ion Ratio Lower Upper
83 100
55 75.2 60.4 90.6
98 42.8 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.303 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

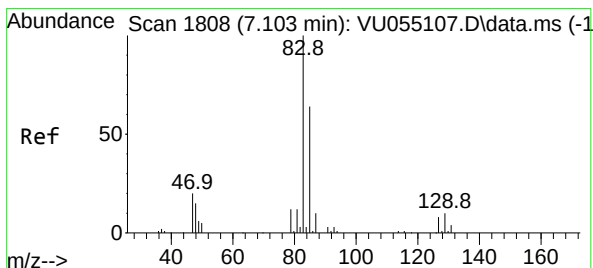
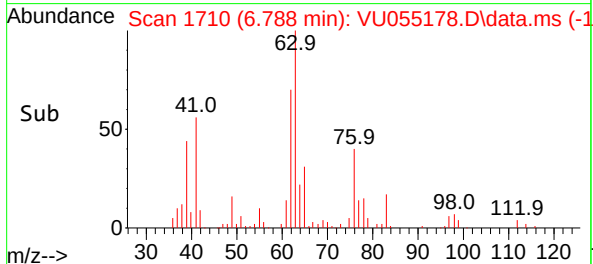
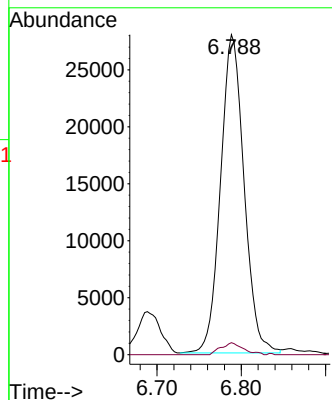
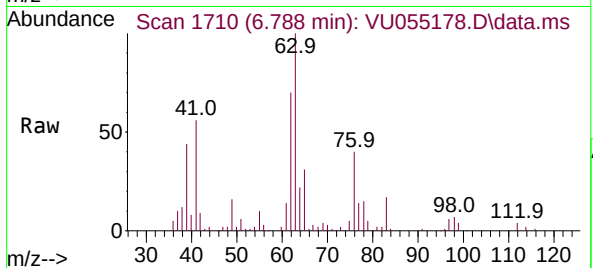
ClientSampleId :

Tgt Ion: 63 Resp: 54071

Ion Ratio Lower Upper

63 100

112 3.5 3.2 4.8



#38

Bromodichloromethane

Concen: 5.140 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

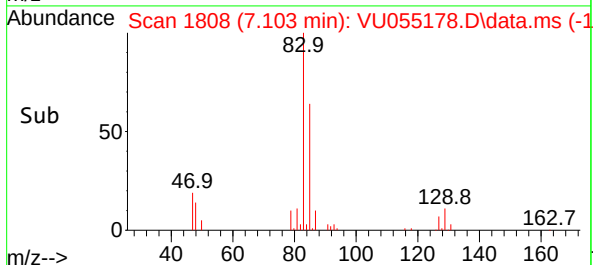
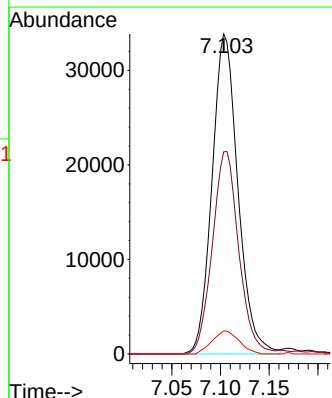
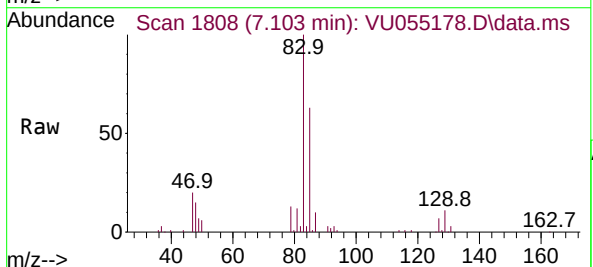
Tgt Ion: 83 Resp: 62571

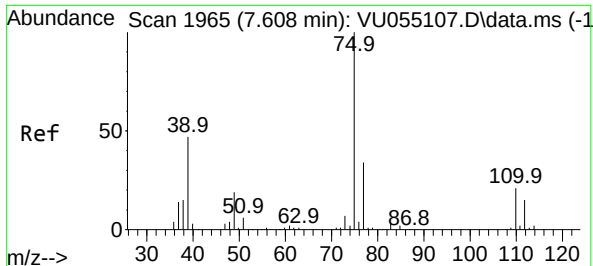
Ion Ratio Lower Upper

83 100

85 63.1 44.9 83.5

127 7.2 7.8 11.8#

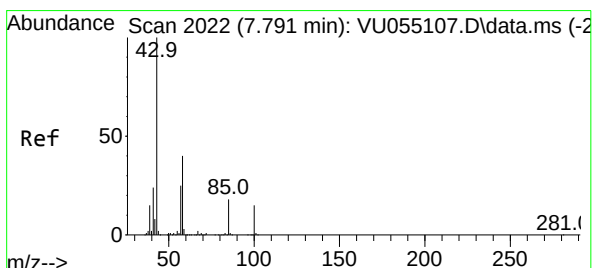
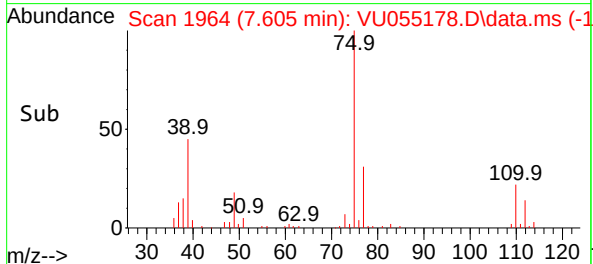
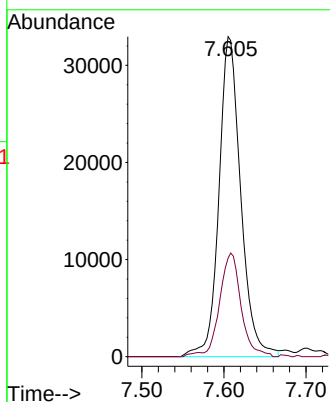
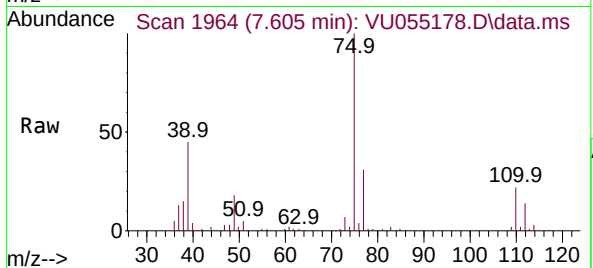




#39
 cis-1,3-Dichloropropene
 Concen: 4.392 ug/L
 RT: 7.605 min Scan# 1965
 Delta R.T. -0.003 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

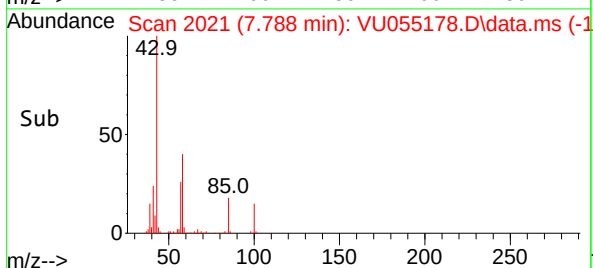
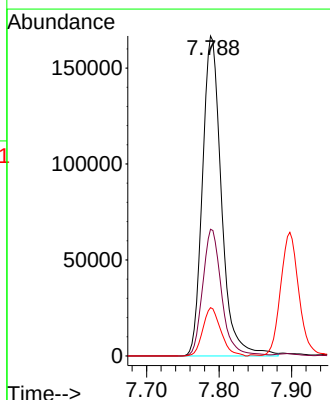
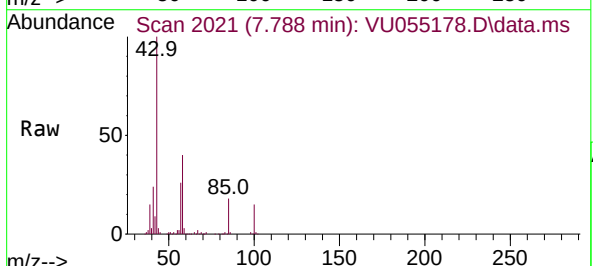
Instrument :
 MSVOA_U
 ClientSampleId :

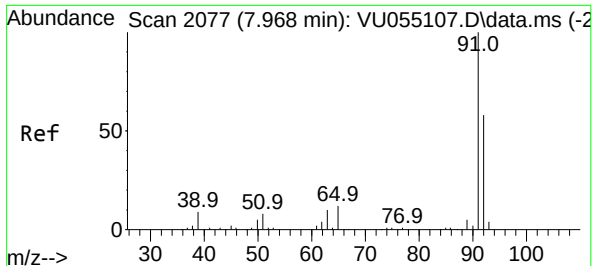
Tgt Ion: 75 Resp: 60908
 Ion Ratio Lower Upper
 75 100
 77 30.8 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 52.252 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. -0.003 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

Tgt Ion: 43 Resp: 303923
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.5 47.3
 100 14.3 11.8 17.8





#42

Toluene

Concen: 5.107 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

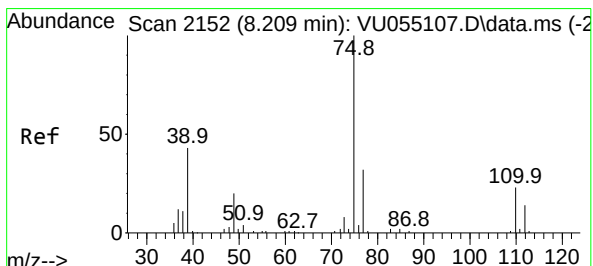
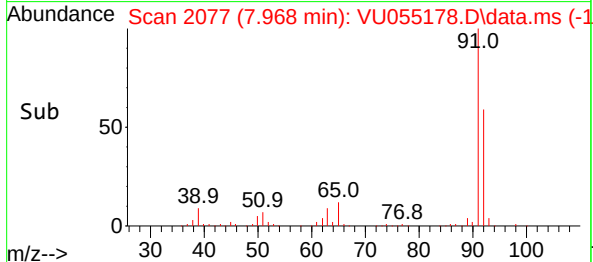
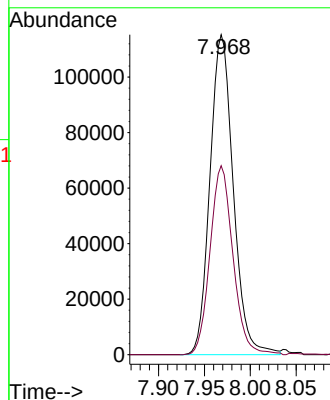
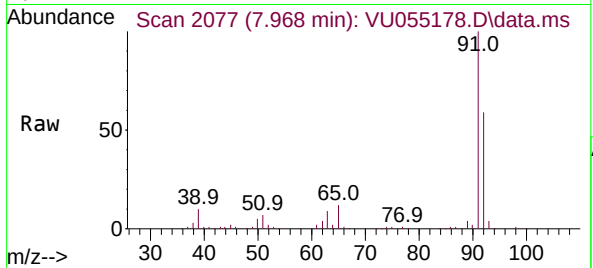
ClientSampleId :

Tgt Ion: 91 Resp: 203917

Ion Ratio Lower Upper

91 100

92 59.0 41.9 77.9



#44

trans-1,3-Dichloropropene

Concen: 4.452 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055178.D

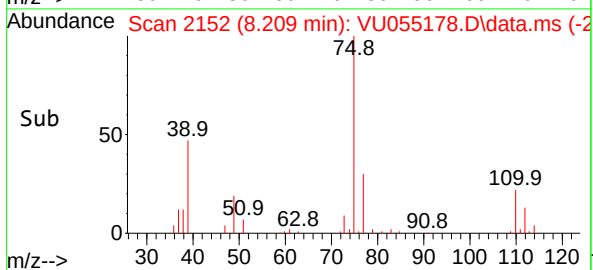
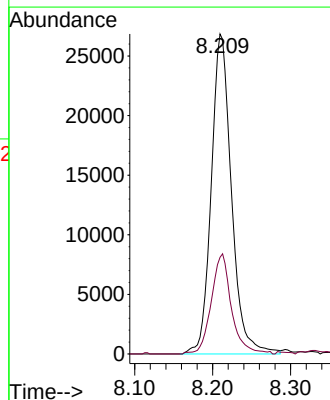
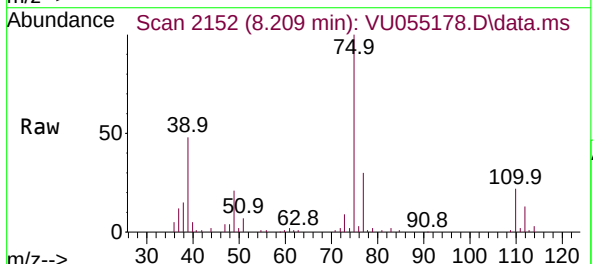
Acq: 07 Sep 2023 09:49

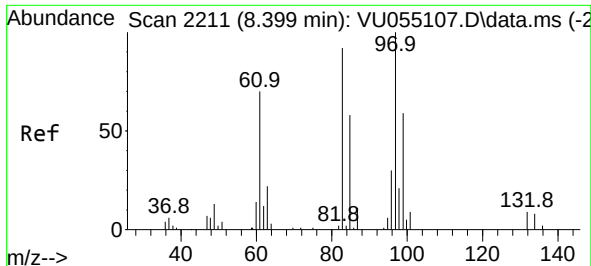
Tgt Ion: 75 Resp: 48462

Ion Ratio Lower Upper

75 100

77 30.2 20.5 38.1



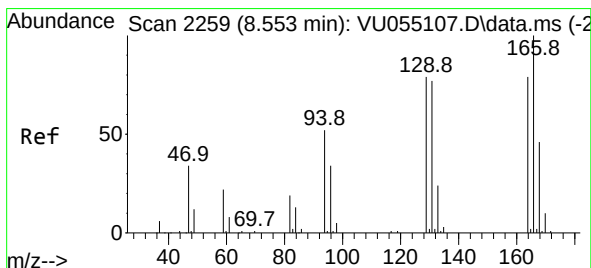
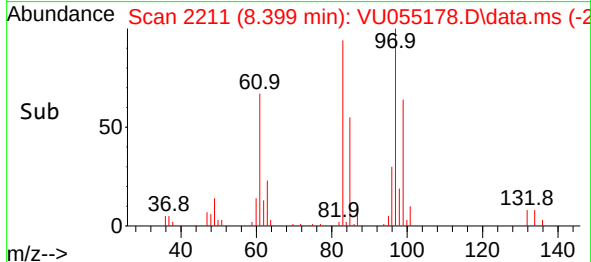
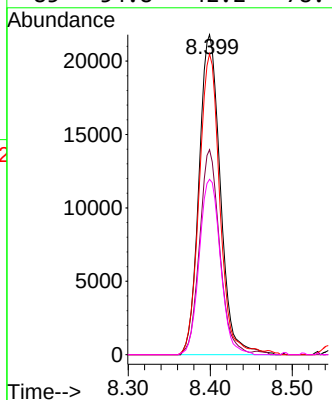
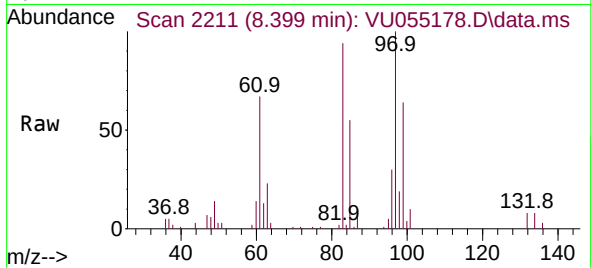


#45
1,1,2-Trichloroethane
Concen: 5.724 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 39310

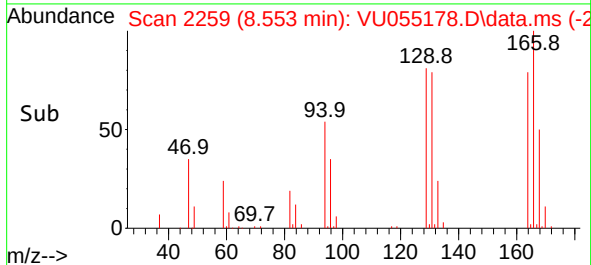
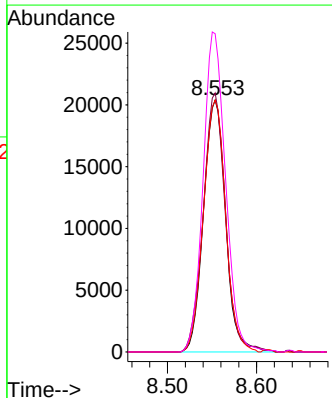
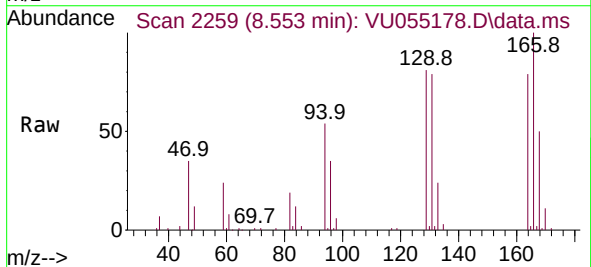
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.9	83.5
83	94.0	66.9	124.3
85	54.8	42.2	78.4

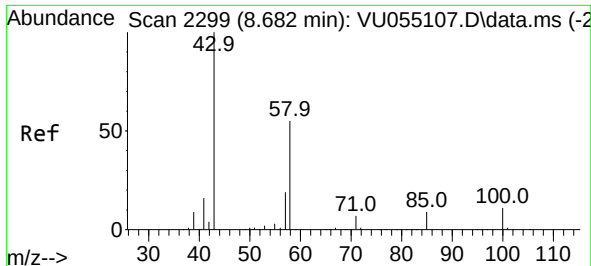


#47
Tetrachloroethene
Concen: 4.891 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion: 164 Resp: 35190

Ion	Ratio	Lower	Upper
164	100		
129	102.9	69.2	128.6
131	100.0	68.8	127.8
166	126.4	92.3	171.5

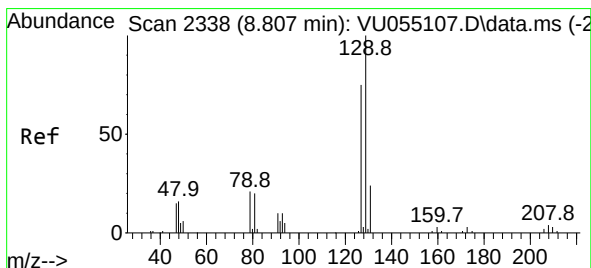
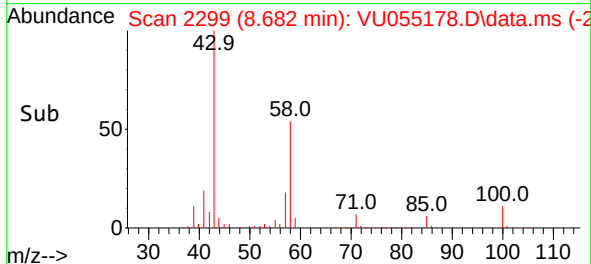
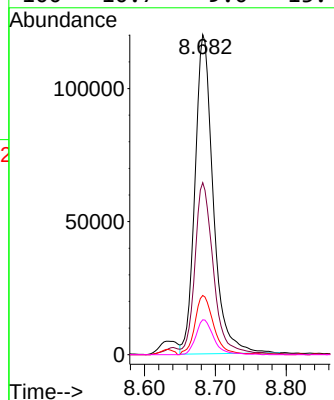
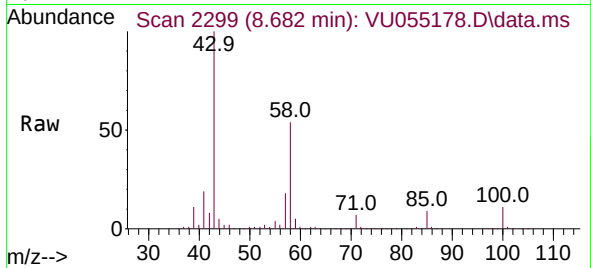




#48
2-Hexanone
Concen: 47.142 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

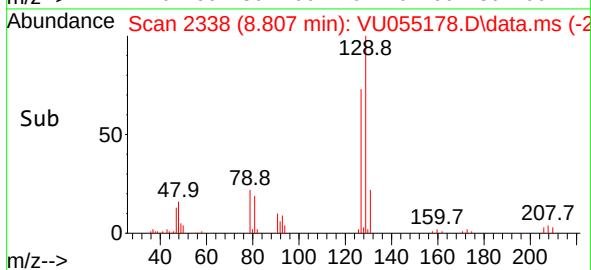
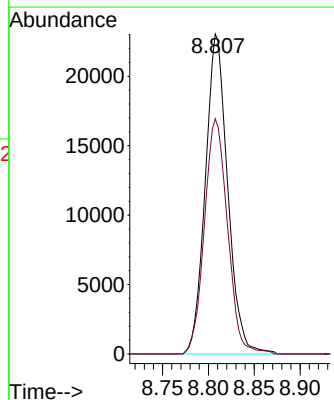
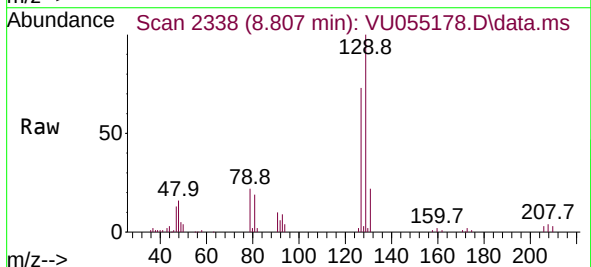
Instrument :
MSVOA_U
ClientSampleId :

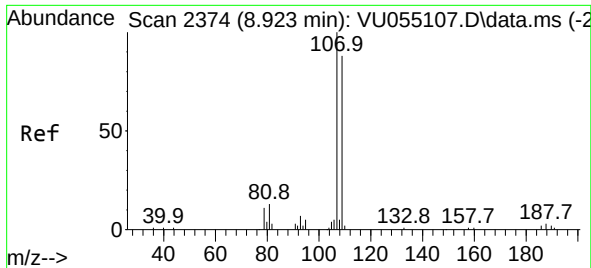
Tgt Ion: 43 Resp: 214776
Ion Ratio Lower Upper
43 100
58 53.0 44.0 66.0
57 18.9 16.2 24.2
100 10.7 9.0 13.4



#49
Dibromochloromethane
Concen: 5.213 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion: 129 Resp: 39082
Ion Ratio Lower Upper
129 100
127 73.5 55.9 103.7

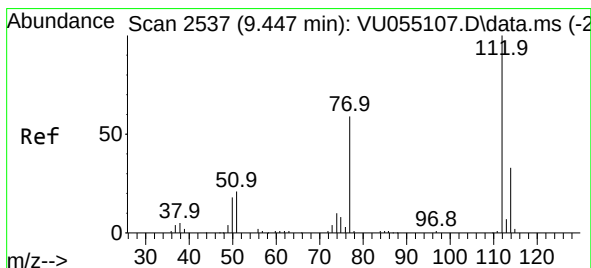
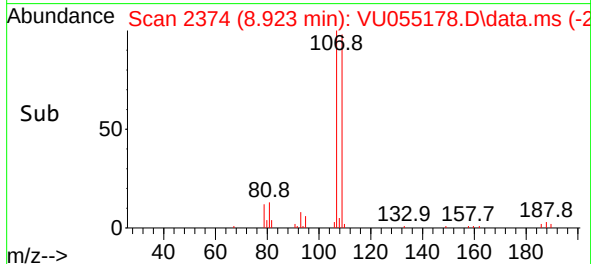
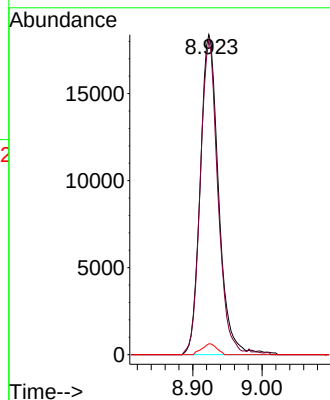
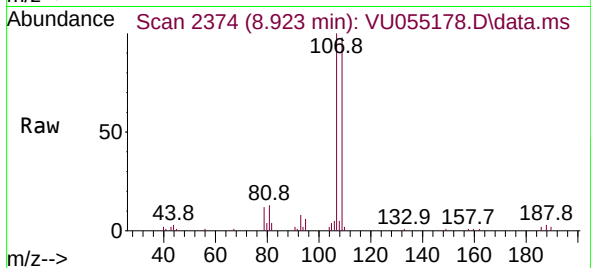




#50
1,2-Dibromoethane
Concen: 5.408 ug/L
RT: 8.923 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

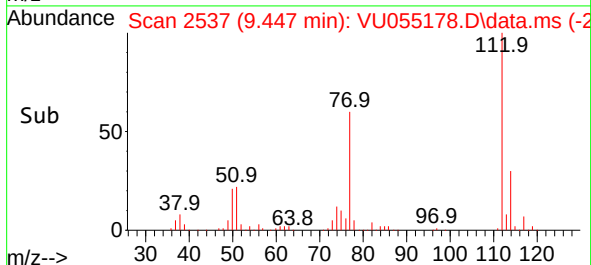
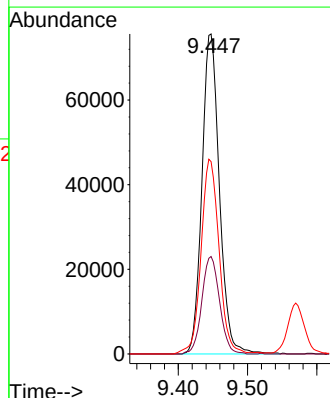
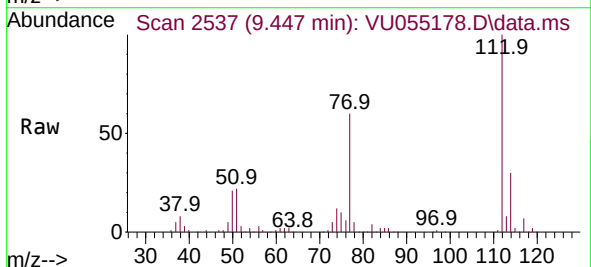
Instrument :
MSVOA_U
ClientSampleId :

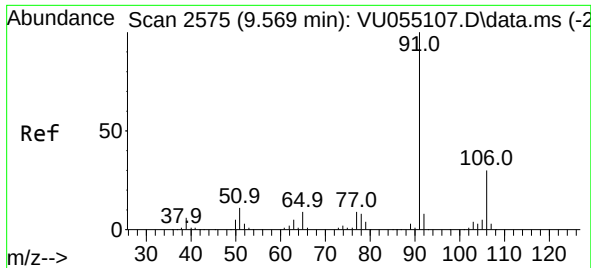
Tgt Ion:107 Resp: 33824
Ion Ratio Lower Upper
107 100
109 98.0 71.4 132.6
188 3.4 3.1 4.7



#51
Chlorobenzene
Concen: 4.999 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion:112 Resp: 132184
Ion Ratio Lower Upper
112 100
114 30.5 21.7 40.3
77 60.1 48.6 72.8

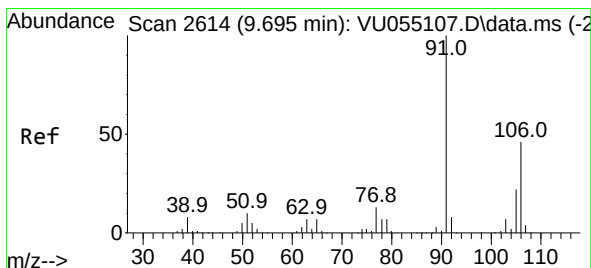
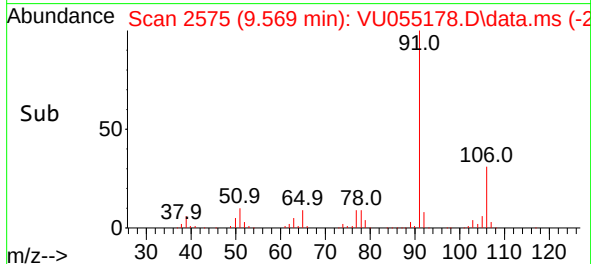
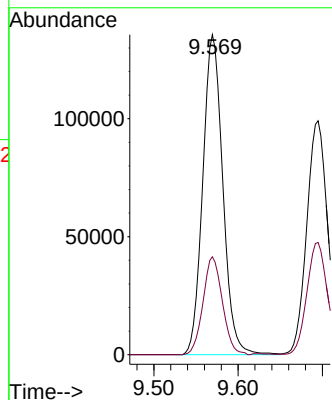
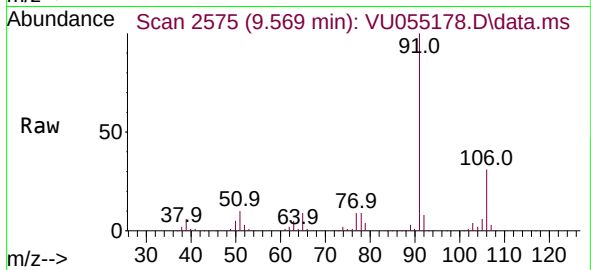




#52
Ethylbenzene
Concen: 5.027 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

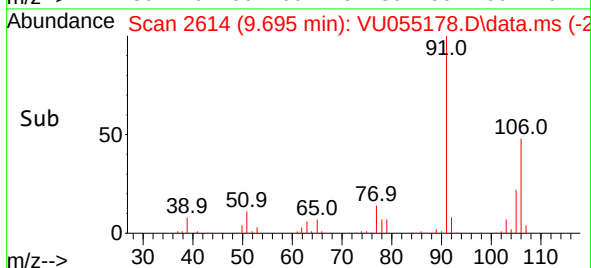
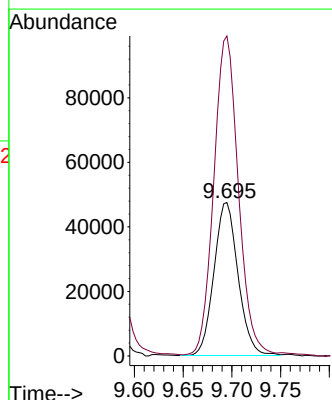
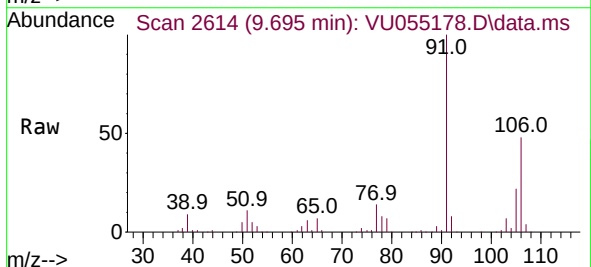
Instrument :
MSVOA_U
ClientSampleId :

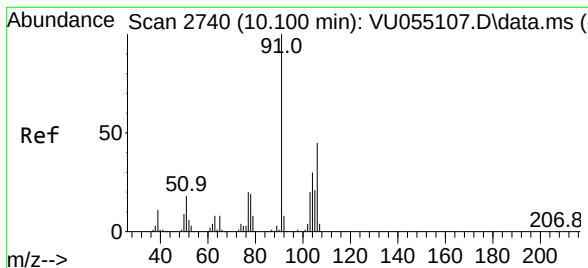
Tgt Ion: 91 Resp: 224570
Ion Ratio Lower Upper
91 100
106 30.6 21.5 39.9



#53
m,p-Xylene
Concen: 4.926 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion:106 Resp: 81418
Ion Ratio Lower Upper
106 100
91 208.5 148.3 275.5





#54

o-Xylene

Concen: 4.915 ug/L

RT: 10.100 min Scan# 2740

Delta R.T. 0.000 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

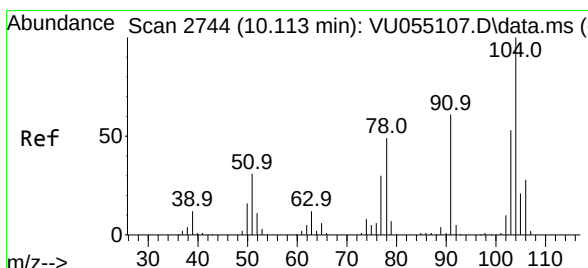
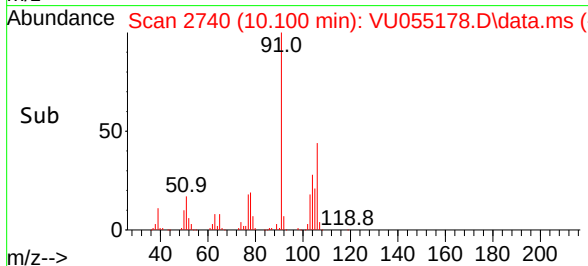
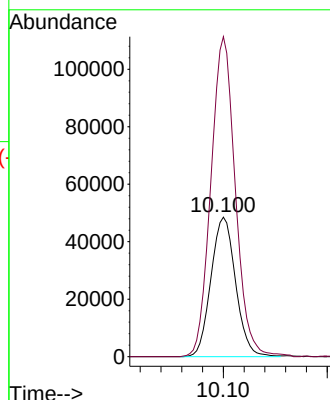
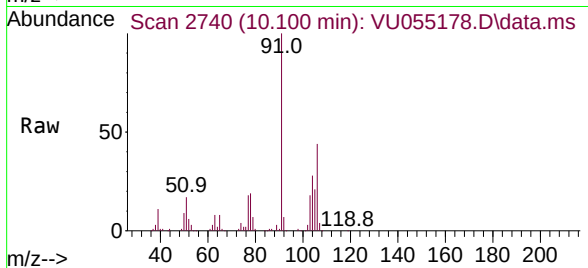
ClientSampleId :

Tgt Ion:106 Resp: 79951

Ion Ratio Lower Upper

106 100

91 229.4 152.9 284.1



#55

Styrene

Concen: 5.120 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VU055178.D

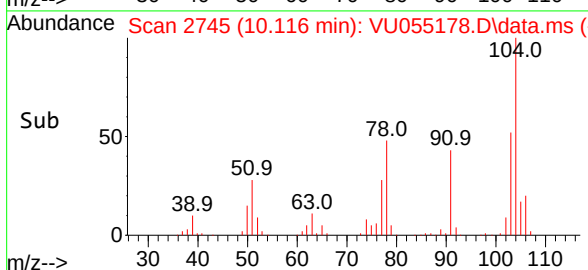
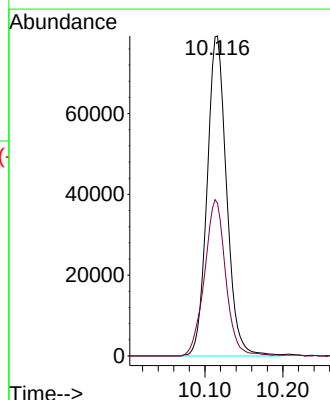
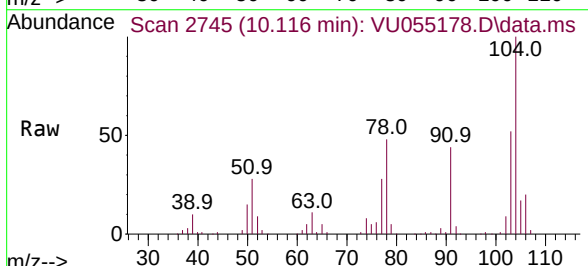
Acq: 07 Sep 2023 09:49

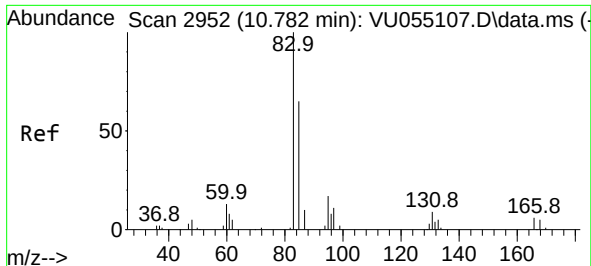
Tgt Ion:104 Resp: 137531

Ion Ratio Lower Upper

104 100

78 47.8 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.464 ug/L

RT: 10.782 min Scan# 2952

Delta R.T. 0.000 min

Lab File: VU055178.D

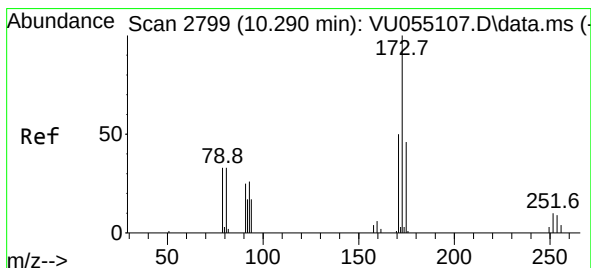
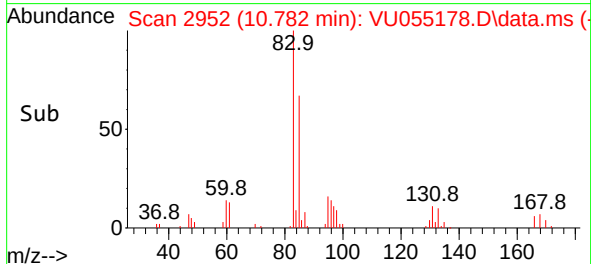
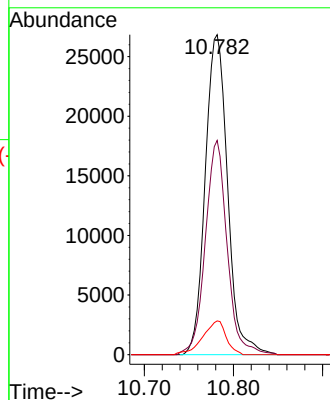
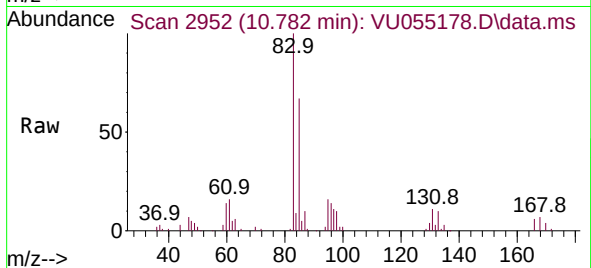
Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	46742
Ion Ratio	Lower	Upper	
83	100		
85	67.0	42.4	78.6
131	10.5	7.6	11.4



#59

Bromoform

Concen: 5.145 ug/L

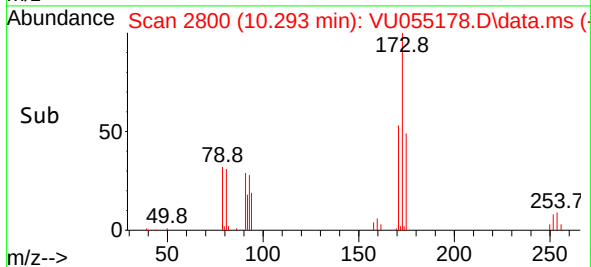
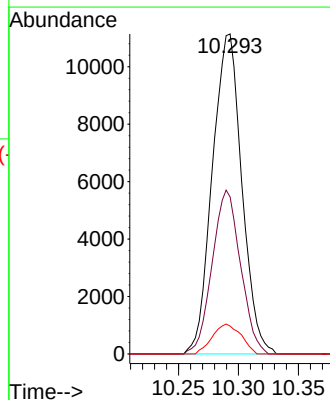
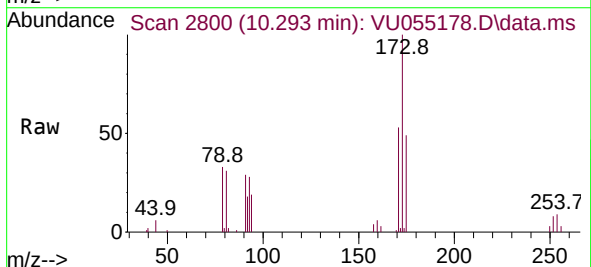
RT: 10.293 min Scan# 2800

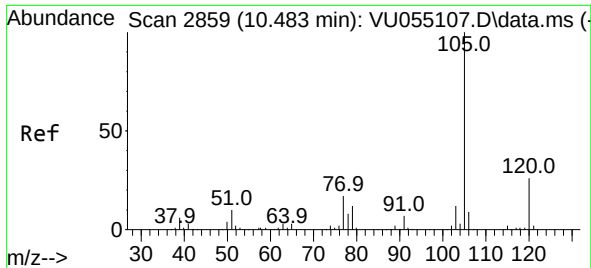
Delta R.T. 0.003 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

Tgt Ion:	173	Resp:	19018
Ion Ratio	Lower	Upper	
173	100		
175	49.1	40.9	61.3
254	9.0	7.0	10.4

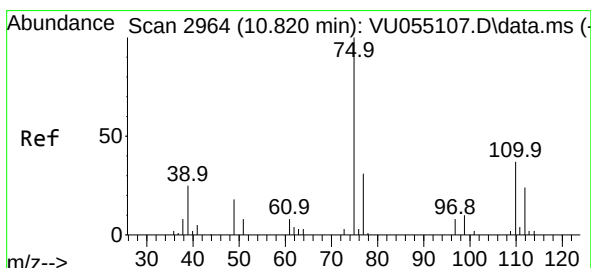
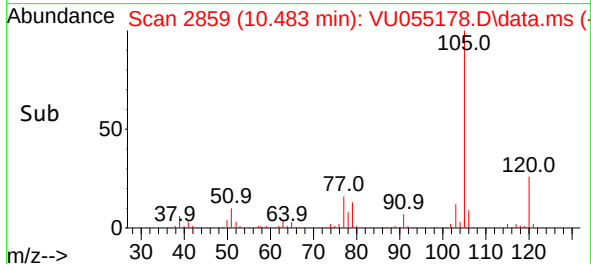
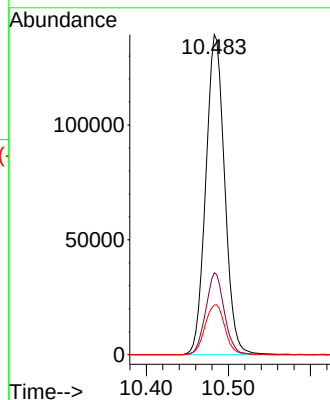
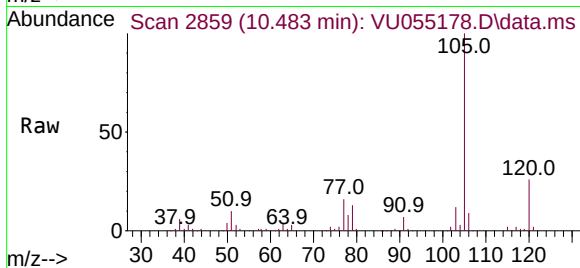




#60
Isopropylbenzene
Concen: 5.155 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

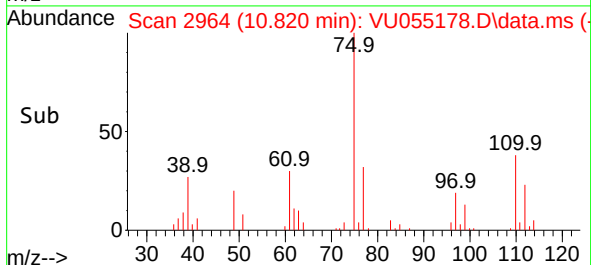
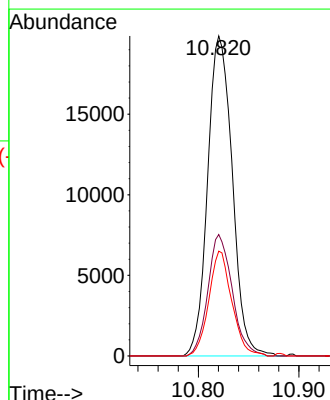
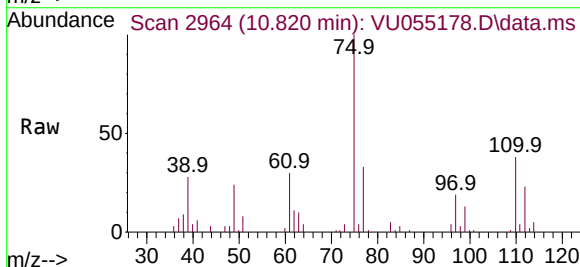
Instrument :
MSVOA_U
ClientSampleId :

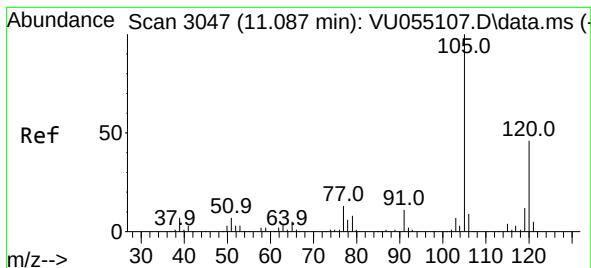
Tgt Ion:105 Resp: 222399
Ion Ratio Lower Upper
105 100
120 25.2 20.1 30.1
77 16.6 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 5.510 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion: 75 Resp: 33828
Ion Ratio Lower Upper
75 100
110 37.4 28.2 42.2
77 30.6 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 4.921 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

Instrument :

MSVOA_U

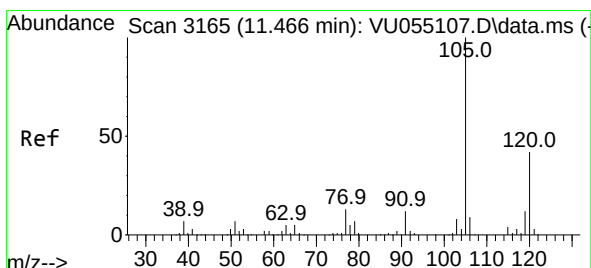
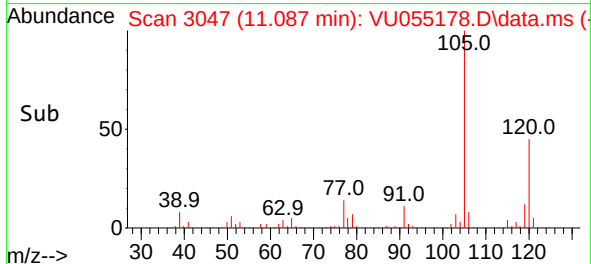
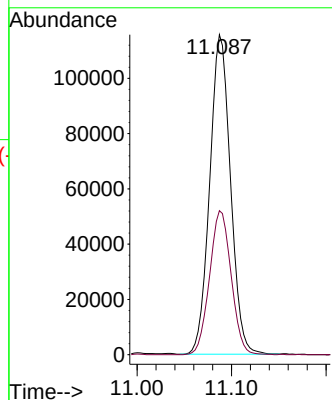
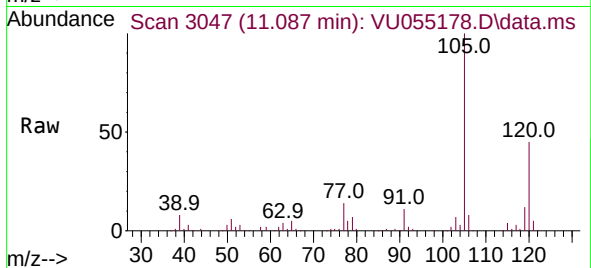
ClientSampleId :

Tgt Ion:105 Resp: 176608

Ion Ratio Lower Upper

105 100

120 46.7 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.657 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055178.D

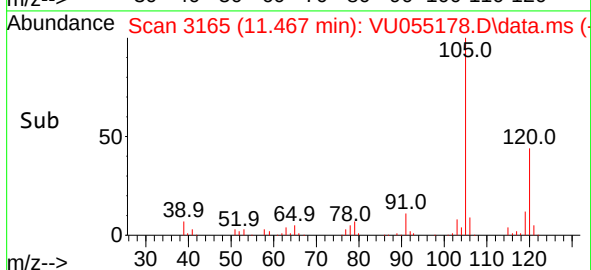
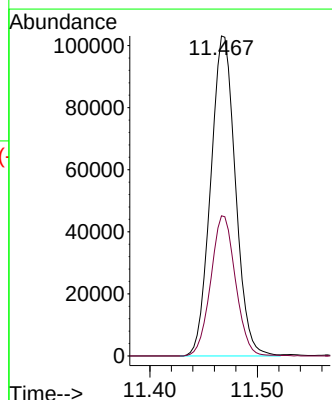
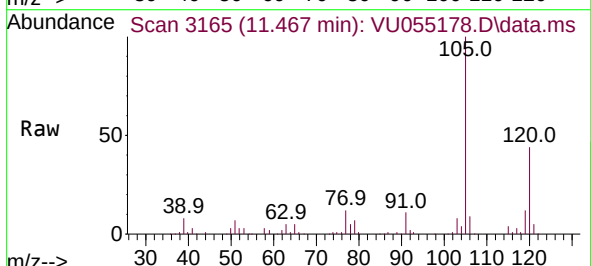
Acq: 07 Sep 2023 09:49

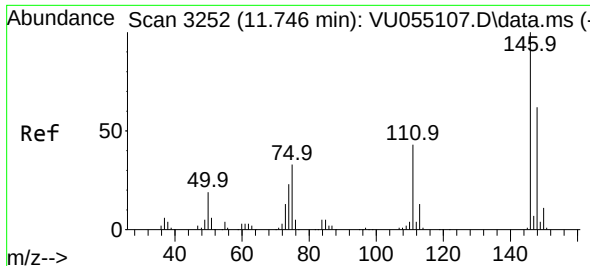
Tgt Ion:105 Resp: 164697

Ion Ratio Lower Upper

105 100

120 43.8 35.4 53.0

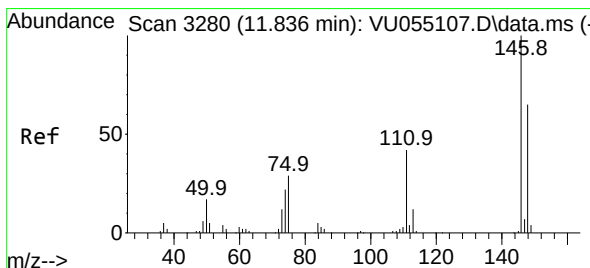
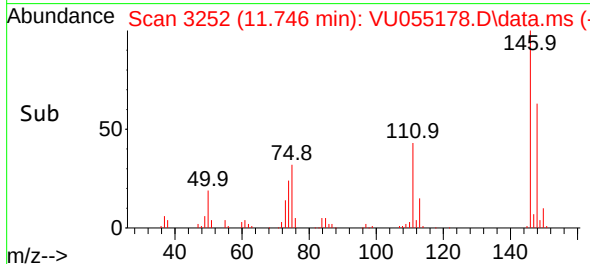
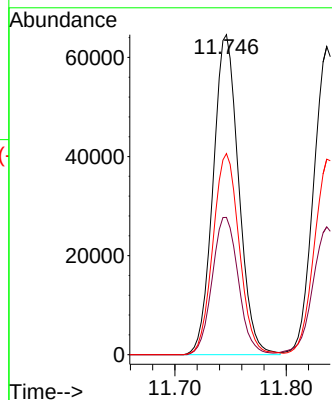
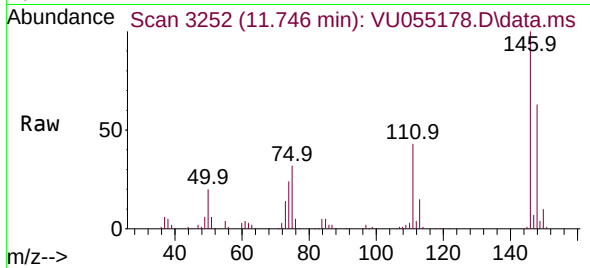




#64
1,3-Dichlorobenzene
Concen: 4.978 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

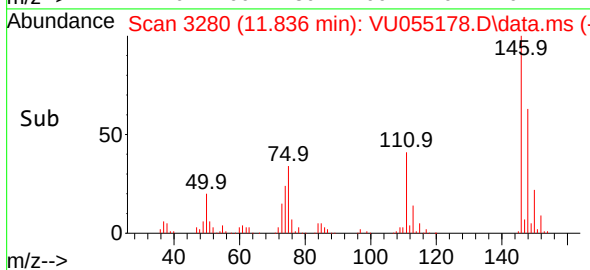
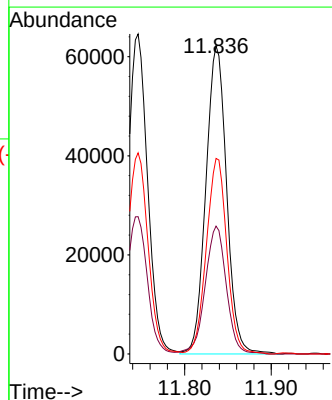
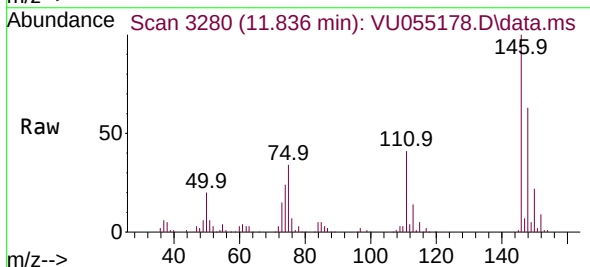
Instrument :
MSVOA_U
ClientSampleId :

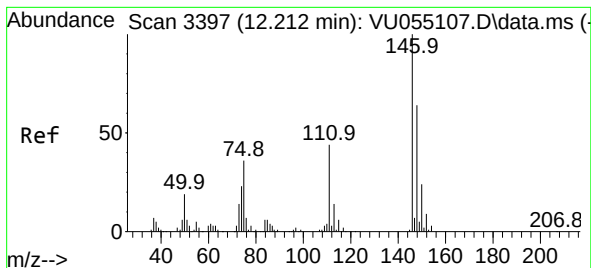
Tgt Ion:146 Resp: 103099
Ion Ratio Lower Upper
146 100
111 42.9 30.0 55.6
148 62.8 45.2 84.0



#65
1,4-Dichlorobenzene
Concen: 5.023 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion:146 Resp: 103680
Ion Ratio Lower Upper
146 100
111 41.5 28.1 52.1
148 63.4 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 5.043 ug/L

RT: 12.212 min Scan# 31

Delta R.T. 0.000 min

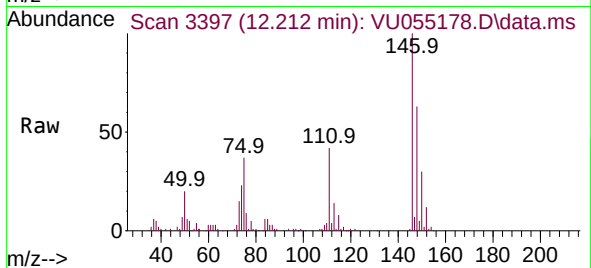
Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

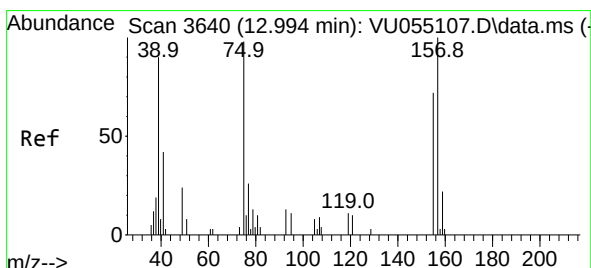
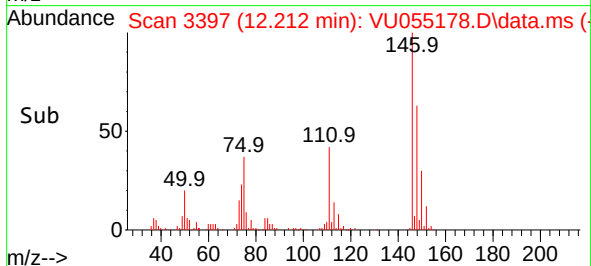
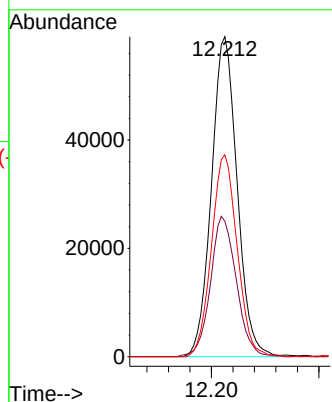
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	146	Resp:	97912
Ion Ratio	Lower	Upper	
146	100		
111	42.4	35.6	53.4
148	63.1	51.3	76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.290 ug/L

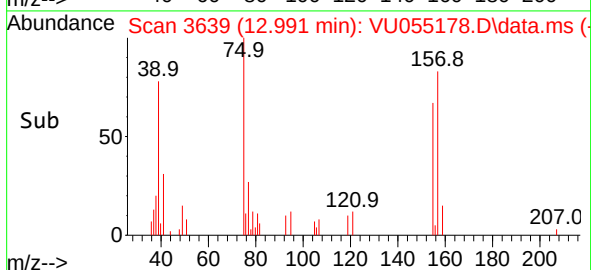
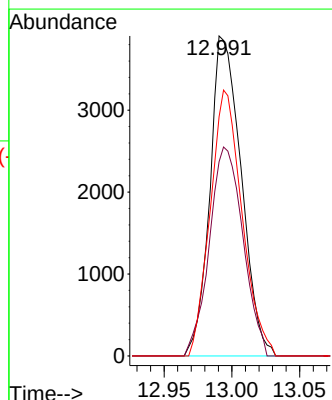
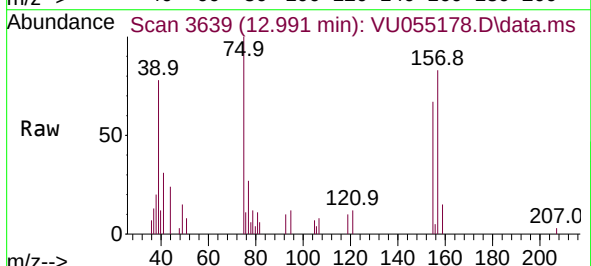
RT: 12.991 min Scan# 3639

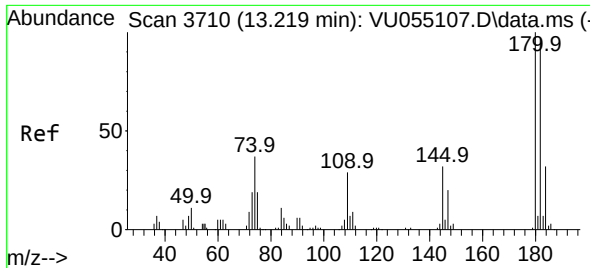
Delta R.T. -0.003 min

Lab File: VU055178.D

Acq: 07 Sep 2023 09:49

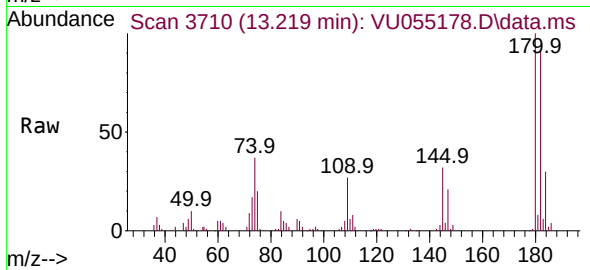
Tgt Ion:	75	Resp:	6256
Ion Ratio	Lower	Upper	
75	100		
155	60.7	61.1	91.7#
157	74.7	66.8	100.2



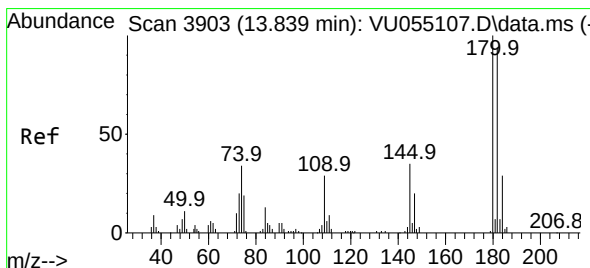
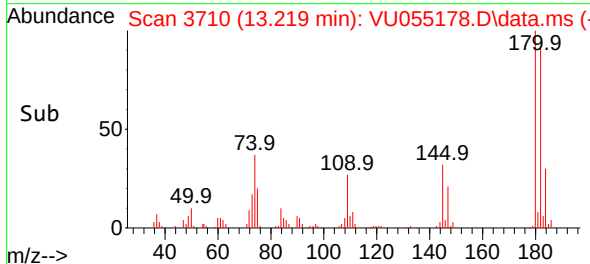
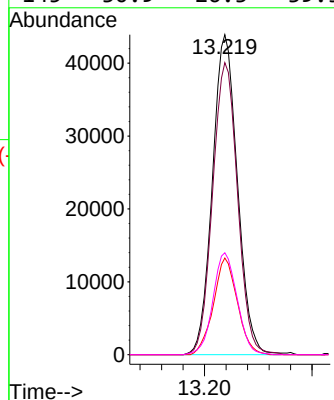


#69
 1,3,5-Trichlorobenzene
 Concen: 4.520 ug/L
 RT: 13.219 min Scan# 3710
 Delta R.T. 0.000 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

Instrument :
 MSVOA_U
 ClientSampleId :

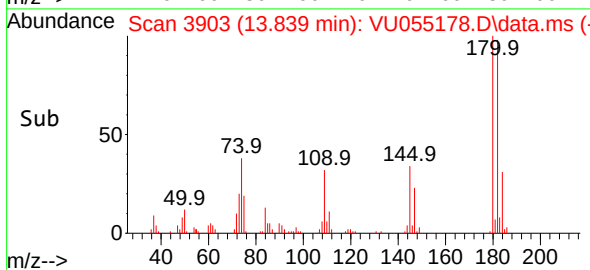
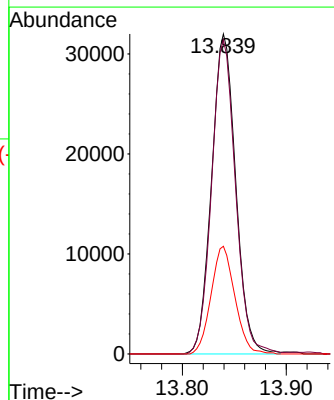
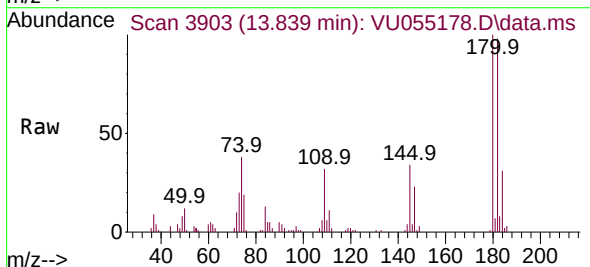


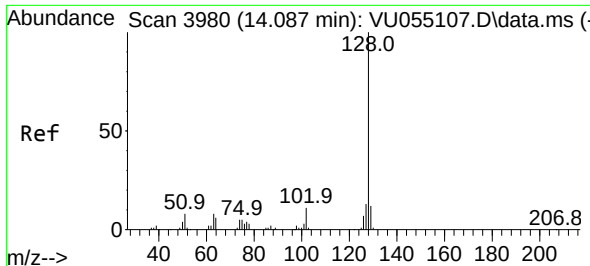
Tgt Ion:	180	Resp:	70738
Ion Ratio	Lower	Upper	
180	100		
182	91.0	75.8	113.6
184	29.0	24.0	36.0
145	30.9	26.3	39.5



#70
 1,2,4-trichlorobenzene
 Concen: 3.513 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.000 min
 Lab File: VU055178.D
 Acq: 07 Sep 2023 09:49

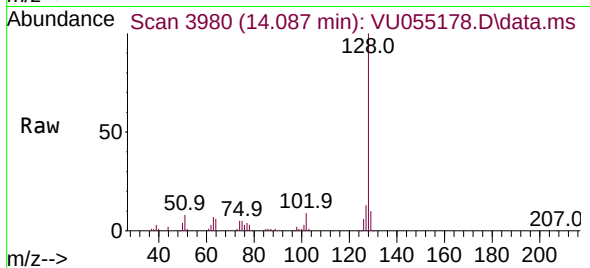
Tgt Ion:	180	Resp:	51553
Ion Ratio	Lower	Upper	
180	100		
182	97.2	73.6	110.4
145	33.2	25.8	38.8



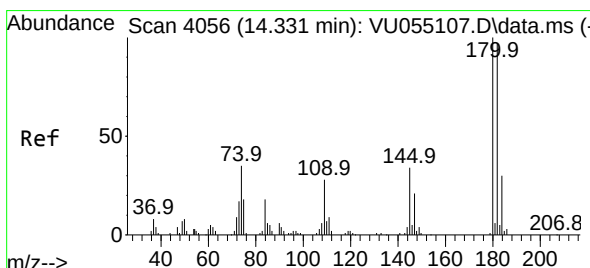
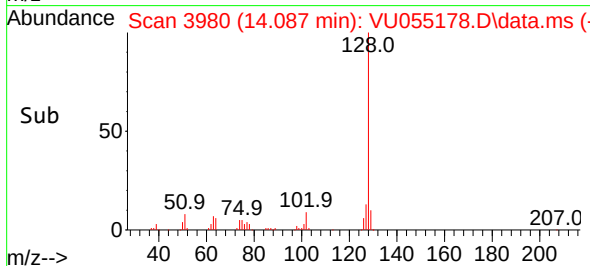
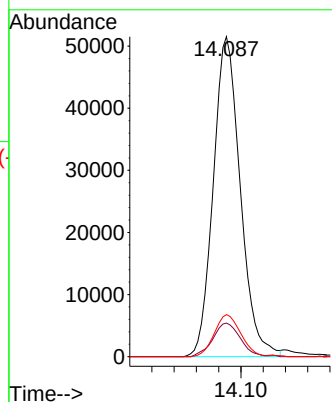


#71
Naphthalene
Concen: 3.252 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.000 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	86744
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.2	12.2
127	12.9	10.0	15.0



#72
1,2,3-Trichlorobenzene
Concen: 3.693 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. -0.003 min
Lab File: VU055178.D
Acq: 07 Sep 2023 09:49

Tgt Ion:	180	Resp:	47041
Ion Ratio	Lower	Upper	
180	100		
182	95.3	75.6	113.4
145	32.5	27.0	40.6

