

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092123\
 Data File : VU055438.D
 Acq On : 21 Sep 2023 09:18
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 22 02:29:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 21 00:26:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	278119	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	281468	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	150898	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	115932	4.124	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.911	69	104644	4.224	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	2.563	65	50586	4.372	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.634	46	248124	48.870	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.740%
24) Chloroform-d	5.058	84	246961	4.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.698	65	121248	4.958	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.724	84	478410	4.859	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.688	67	142031	4.828	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.894	98	433955	4.836	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.177	79	53487	5.181	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.631	63	147883	47.097	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.200%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	108836	4.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	146075	4.796	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	119591	4.417	ug/L	99
3) Chloromethane	1.515	50	108850	4.570	ug/L	98
5) Vinyl chloride	1.602	62	115677	4.501	ug/L	99
6) Bromomethane	1.856	94	74866	4.587	ug/L	100
8) Chloroethane	1.933	64	73257	4.369	ug/L	94
9) Trichlorofluoromethane	2.136	101	165245	4.637	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	100009	4.612	ug/L	98
12) 1,1-Dichloroethene	2.576	96	92577	4.761	ug/L	99
13) Acetone	2.644	43	132008	45.612	ug/L	98
14) Carbon disulfide	2.788	76	272443	4.661	ug/L	98
15) Methyl Acetate	2.956	43	29299	4.440	ug/L	100
16) Methylene chloride	3.042	84	100132	4.298	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	194239	4.605	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	91027	4.644	ug/L	98
19) 1,1-Dichloroethane	3.865	63	167331	4.617	ug/L	97
21) 2-Butanone	4.714	43	191830	45.192	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	100844	4.438	ug/L	97
23) Bromochloromethane	4.971	128	44972	4.682	ug/L	97
25) Chloroform	5.084	83	181368	4.726	ug/L	95

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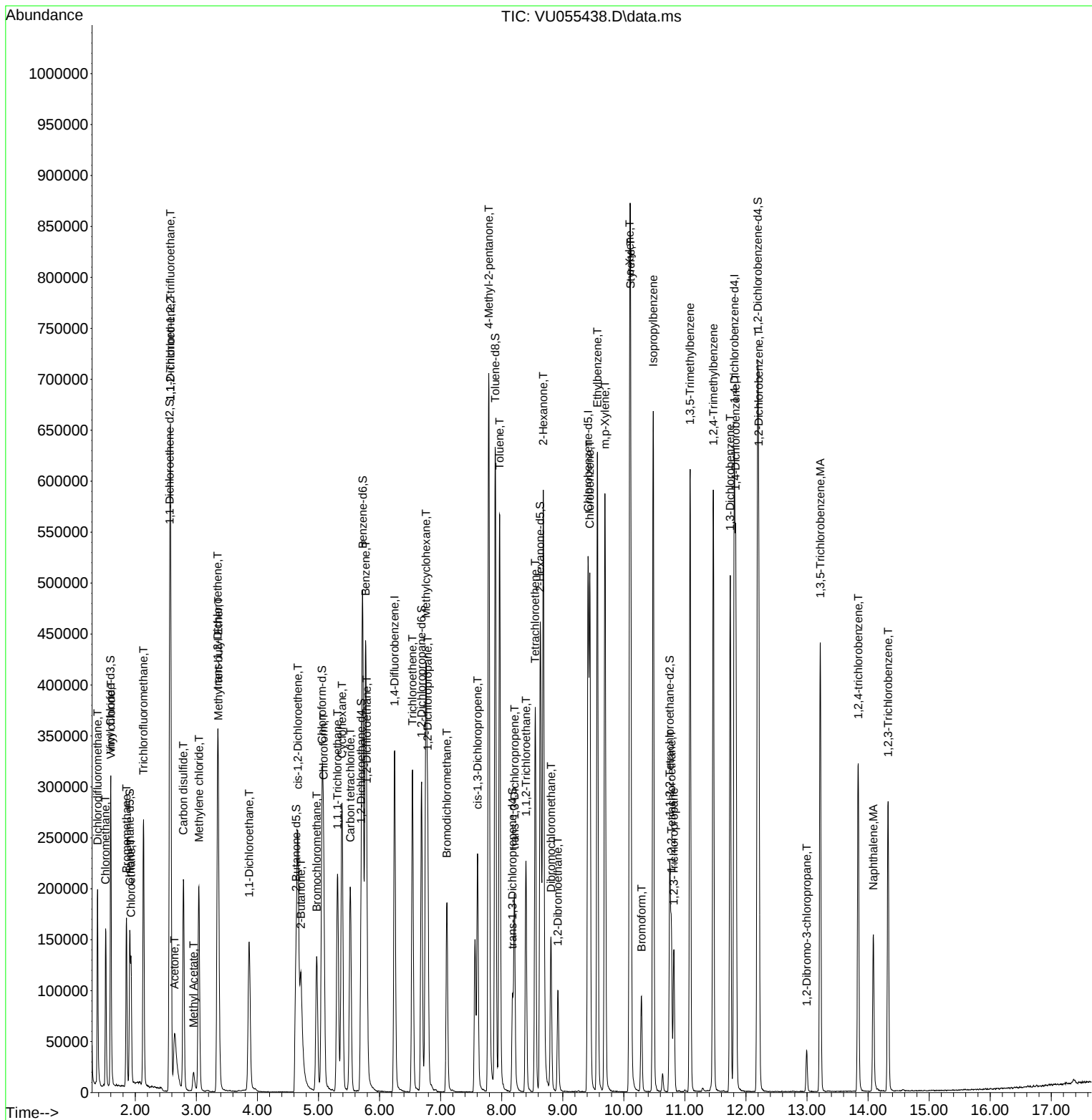
Instrument :
 MSVOA_U
 ClientSampleId :

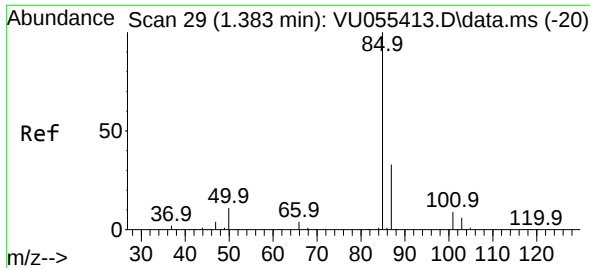
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	109836	4.667	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	158284	4.933	ug/L	99
30) Cyclohexane	5.386	56	134407	4.576	ug/L	98
31) Carbon tetrachloride	5.521	117	136987	4.981	ug/L	96
33) Benzene	5.772	78	390449	4.820	ug/L	100
34) Trichloroethene	6.541	95	109863	4.794	ug/L	96
35) Methylcyclohexane	6.762	83	153822	4.660	ug/L	99
37) 1,2-Dichloropropane	6.788	63	97273	4.591	ug/L	99
38) Bromodichloromethane	7.103	83	123775	4.985	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	140373	4.964	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	450533	46.878	ug/L	100
42) Toluene	7.965	91	427032	4.942	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	112581	4.976	ug/L	99
45) 1,1,2-Trichloroethane	8.399	97	69426	4.674	ug/L	96
47) Tetrachloroethene	8.550	164	81347	4.949	ug/L	98
48) 2-Hexanone	8.682	43	356359	47.843	ug/L	98
49) Dibromochloromethane	8.807	129	78144	5.018	ug/L	95
50) 1,2-Dibromoethane	8.920	107	67814	4.919	ug/L	98
51) Chlorobenzene	9.444	112	264868	4.786	ug/L	99
52) Ethylbenzene	9.569	91	443850	4.791	ug/L	98
53) m,p-Xylene	9.692	106	169621	4.886	ug/L	95
54) o-Xylene	10.097	106	161800	4.794	ug/L	99
55) Styrene	10.113	104	272974	5.002	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	77770	4.637	ug/L	98
59) Bromoform	10.290	173	41564	5.139	ug/L	99
60) Isopropylbenzene	10.483	105	436231	5.016	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	58123	4.934	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	341737	4.914	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	333540	4.900	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	206664	4.963	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	200406	4.816	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	186554	4.887	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	10834	5.306	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	134709	4.698	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	98835	4.521	ug/L	99
71) Naphthalene	14.087	128	129467	4.091	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	84902	4.463	ug/L	99

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

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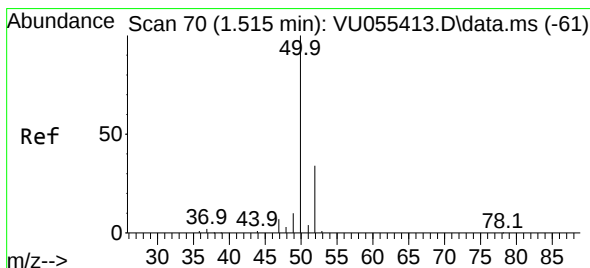
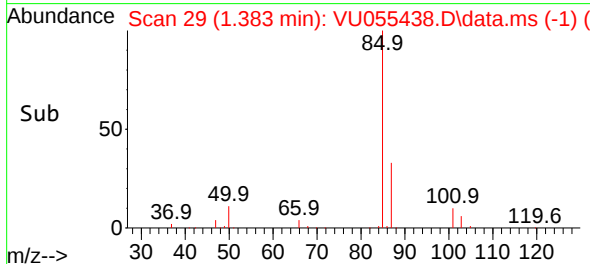
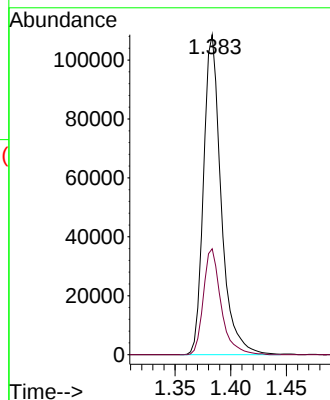
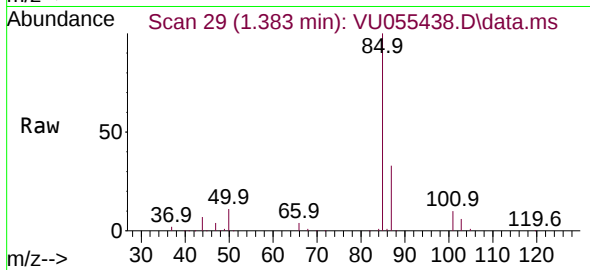




#2
 Dichlorodifluoromethane
 Concen: 4.417 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055438.D
 Acq: 21 Sep 2023 09:18

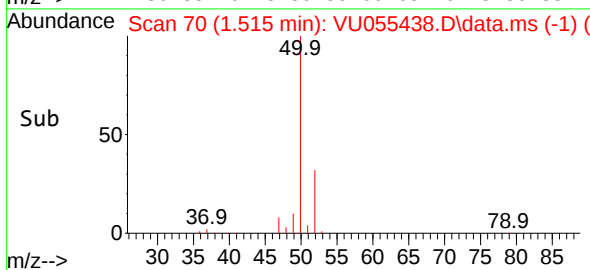
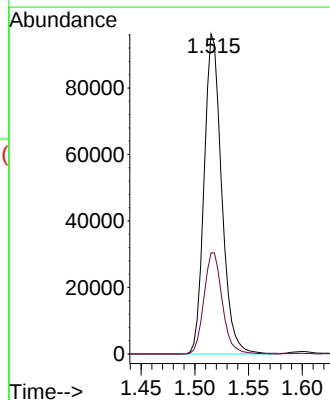
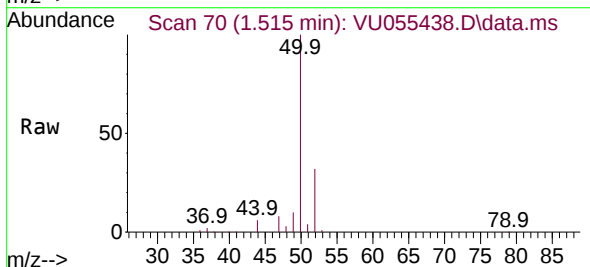
Instrument :
 MSVOA_U
 ClientSampleId :

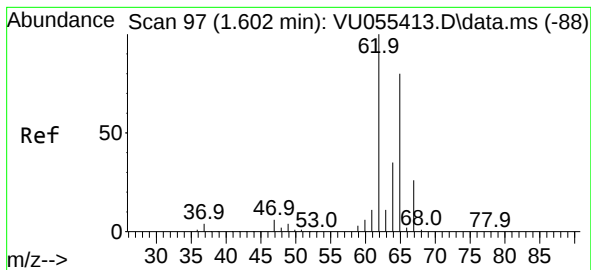
Tgt Ion: 85 Resp: 119591
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.0 39.0



#3
 Chloromethane
 Concen: 4.570 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU055438.D
 Acq: 21 Sep 2023 09:18

Tgt Ion: 50 Resp: 108850
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.9 42.5





#5

Vinyl chloride

Concen: 4.501 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

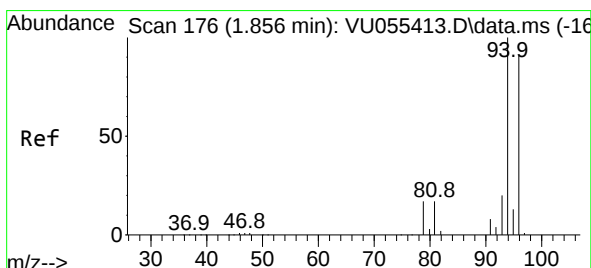
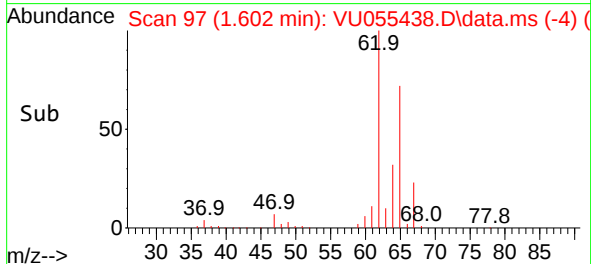
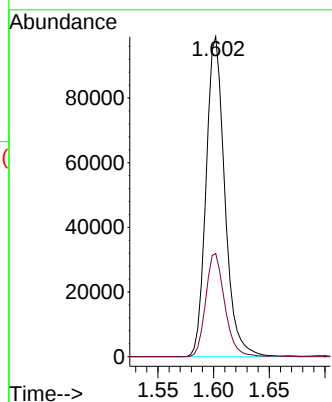
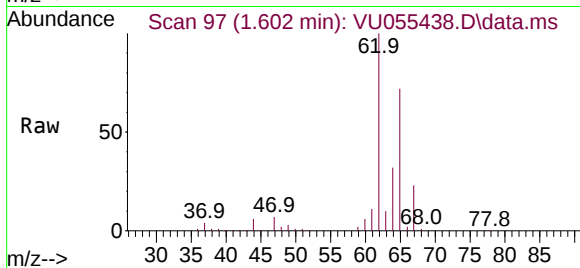
ClientSampleId :

Tgt Ion: 62 Resp: 115677

Ion Ratio Lower Upper

62 100

64 32.2 22.3 41.5



#6

Bromomethane

Concen: 4.587 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.000 min

Lab File: VU055438.D

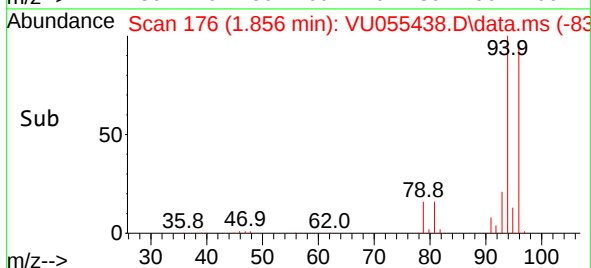
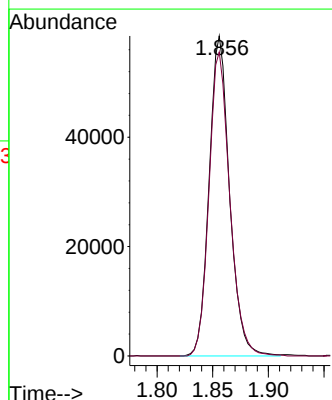
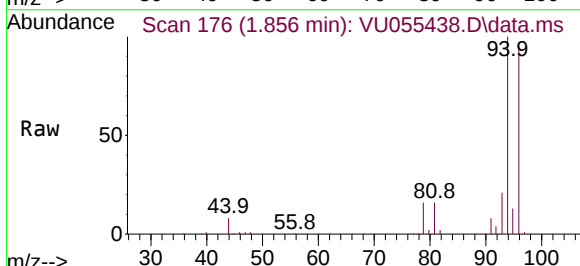
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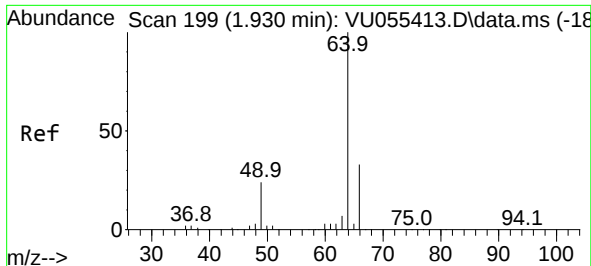
Tgt Ion: 94 Resp: 74866

Ion Ratio Lower Upper

94 100

96 95.0 66.4 123.2

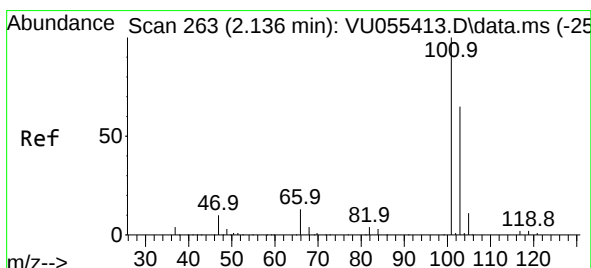
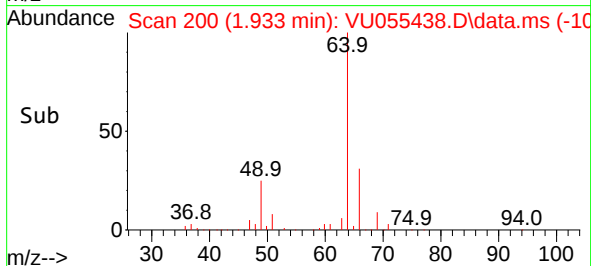
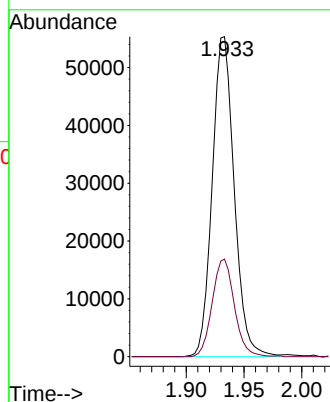
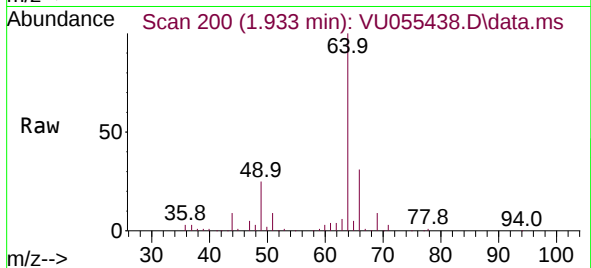




#8
Chloroethane
Concen: 4.369 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

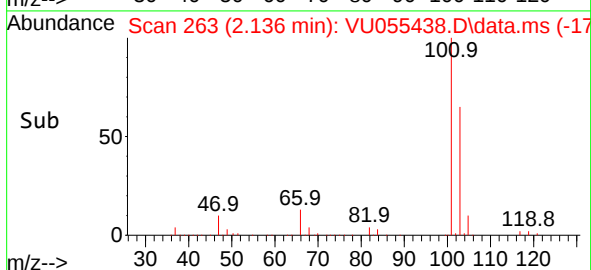
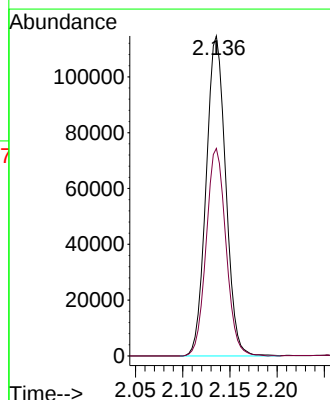
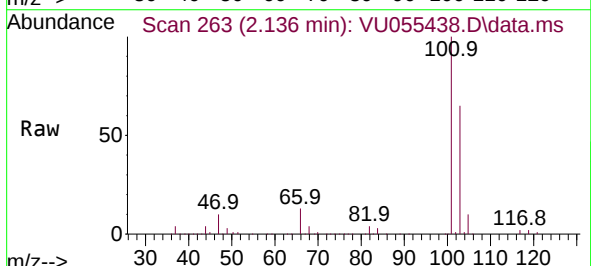
Instrument :
MSVOA_U
ClientSampleId :

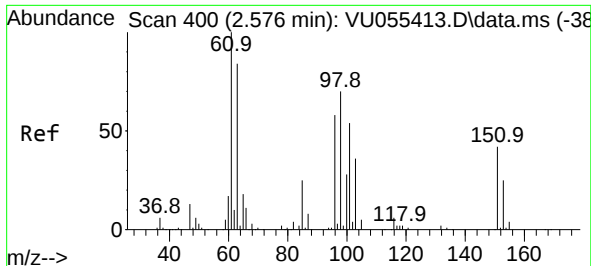
Tgt Ion: 64 Resp: 73257
Ion Ratio Lower Upper
64 100
66 30.5 23.7 44.1



#9
Trichlorofluoromethane
Concen: 4.637 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion:101 Resp: 165245
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.612 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

ClientSampleId :

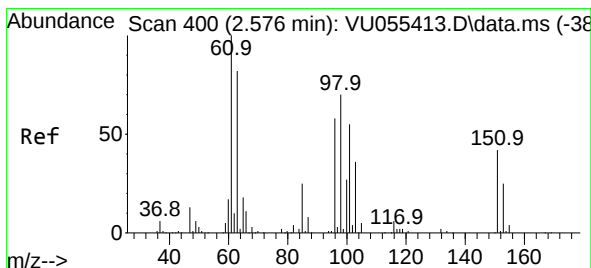
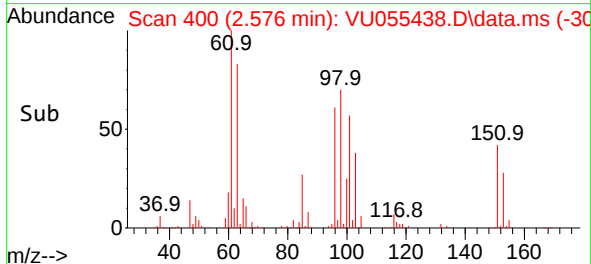
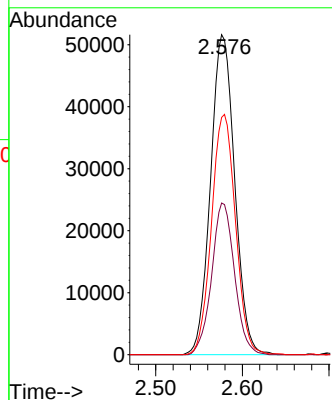
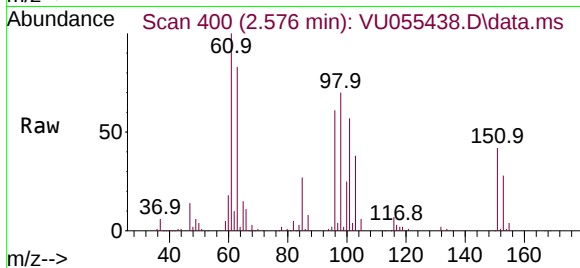
Tgt Ion:101 Resp: 100009

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

151 74.7 58.2 87.4



#12

1,1-Dichloroethene

Concen: 4.761 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

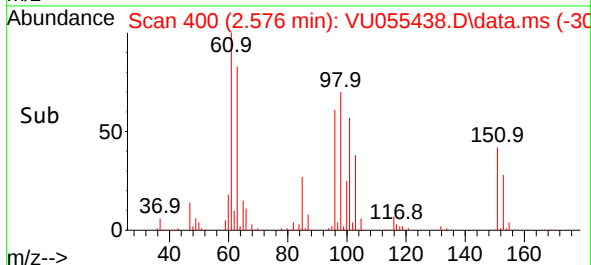
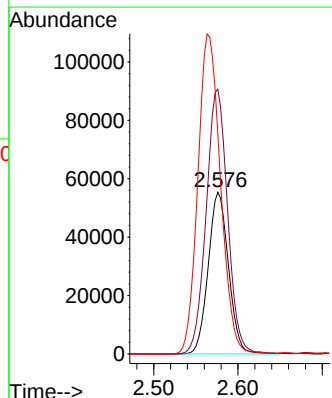
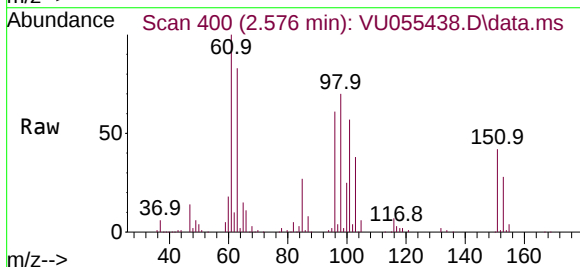
Tgt Ion: 96 Resp: 92577

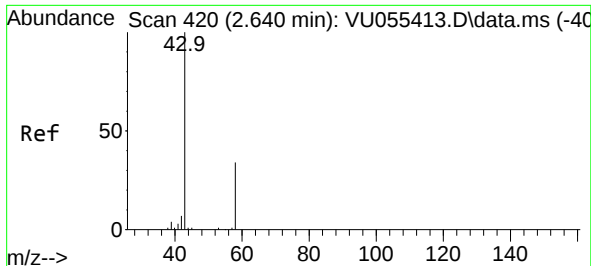
Ion Ratio Lower Upper

96 100

61 163.6 114.5 212.7

63 136.5 98.3 182.5





#13

Acetone

Concen: 45.612 ug/L

RT: 2.644 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

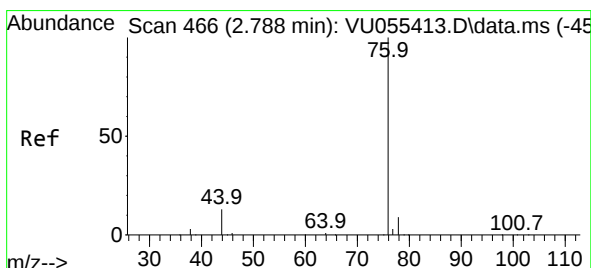
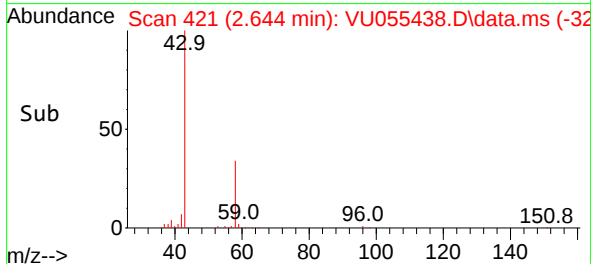
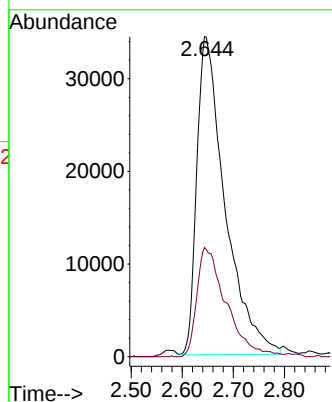
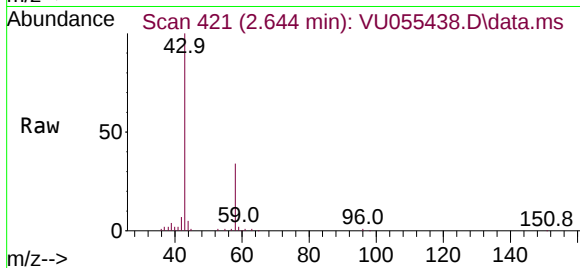
ClientSampleId :

Tgt Ion: 43 Resp: 132008

Ion Ratio Lower Upper

43 100

58 34.7 0.0 72.2



#14

Carbon disulfide

Concen: 4.661 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU055438.D

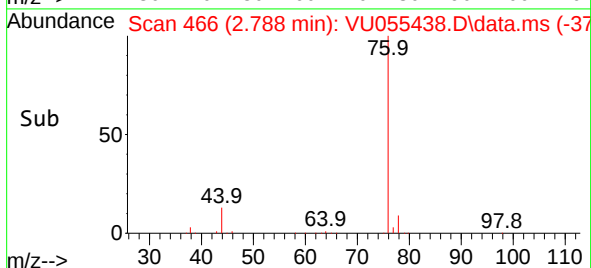
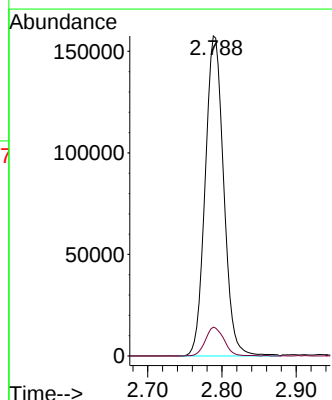
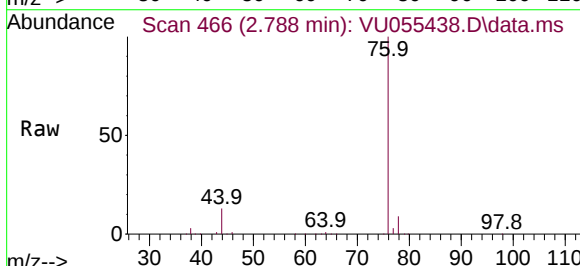
Acq: 21 Sep 2023 09:18

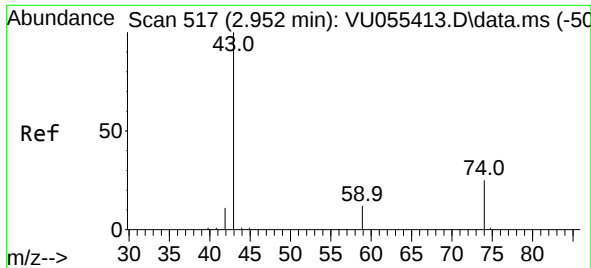
Tgt Ion: 76 Resp: 272443

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

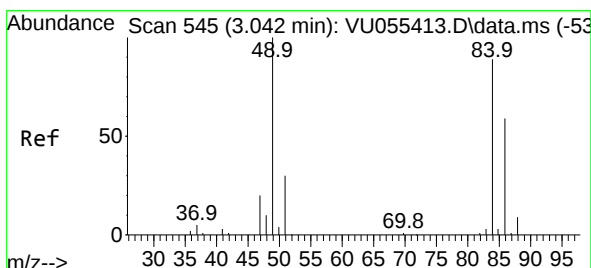
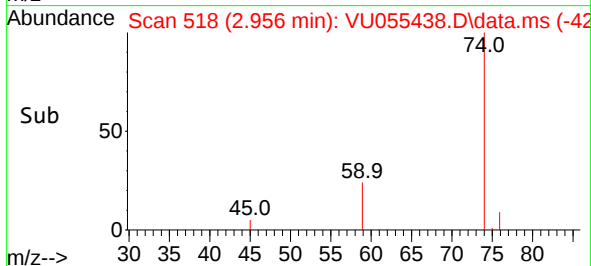
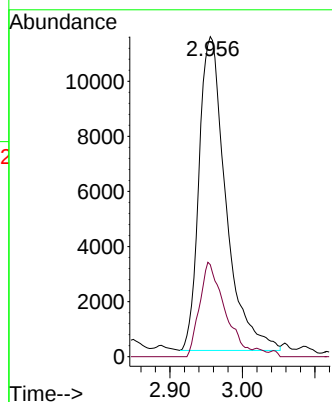
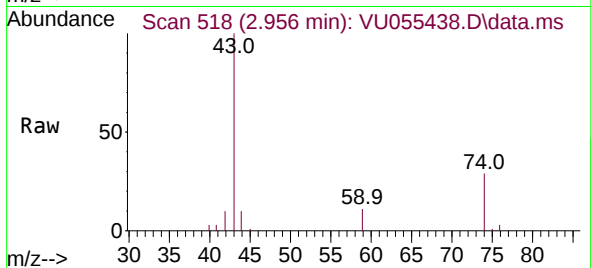




#15
Methyl Acetate
Concen: 4.440 ug/L
RT: 2.956 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

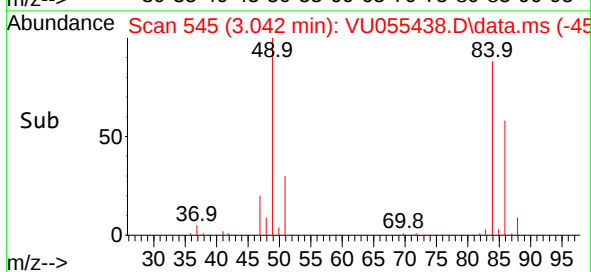
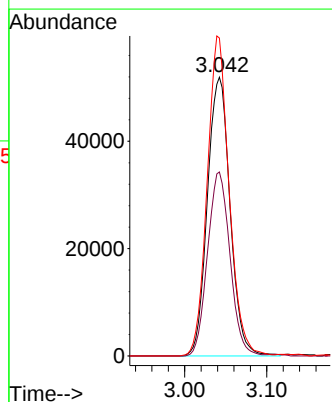
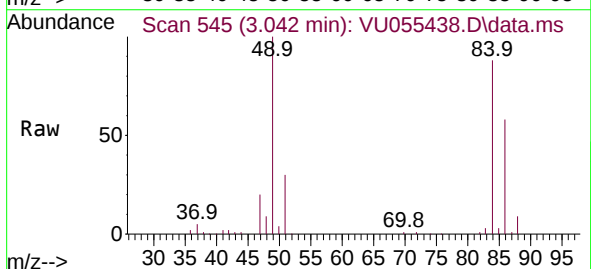
Instrument :
MSVOA_U
ClientSampleId :

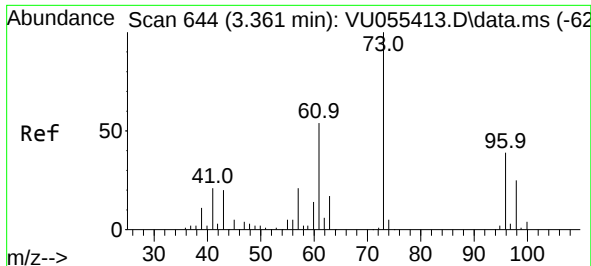
Tgt Ion: 43 Resp: 29299
Ion Ratio Lower Upper
43 100
74 28.1 22.3 33.5



#16
Methylene chloride
Concen: 4.298 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion: 84 Resp: 100132
Ion Ratio Lower Upper
84 100
86 66.0 44.9 83.3
49 114.1 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 4.605 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

ClientSampleId :

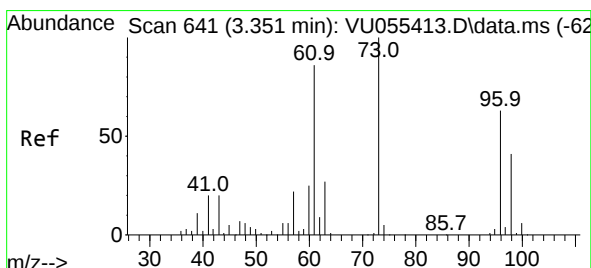
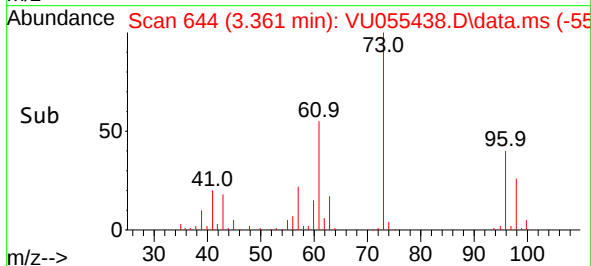
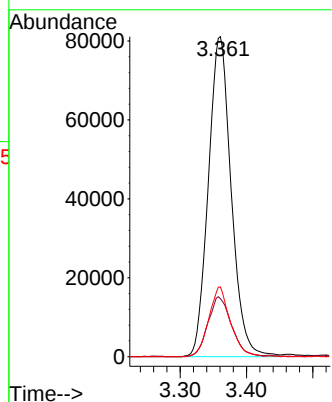
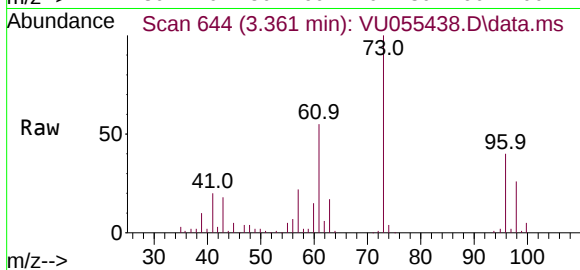
Tgt Ion: 73 Resp: 194239

Ion Ratio Lower Upper

73 100

43 19.3 14.9 22.3

57 20.6 17.3 25.9



#18

trans-1,2-Dichloroethene

Concen: 4.644 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

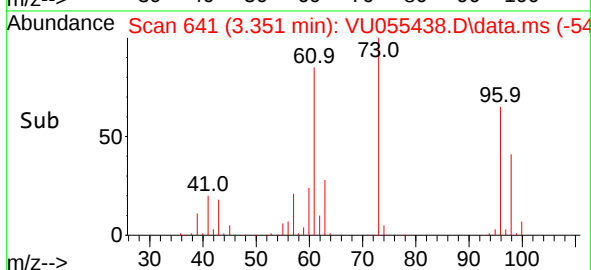
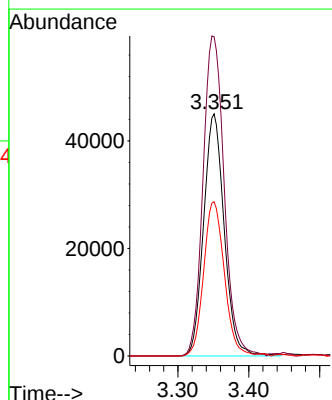
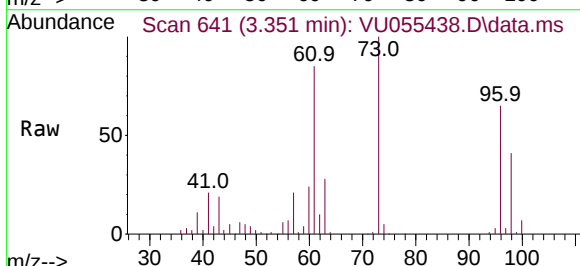
Tgt Ion: 96 Resp: 91027

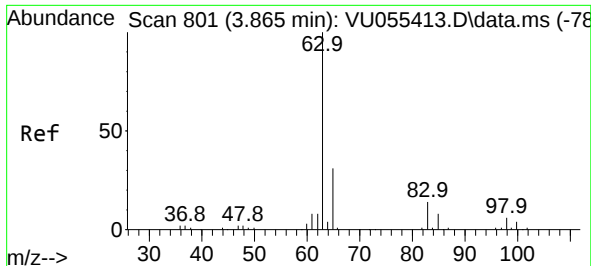
Ion Ratio Lower Upper

96 100

61 131.8 94.6 175.6

98 63.7 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.617 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

ClientSampleId :

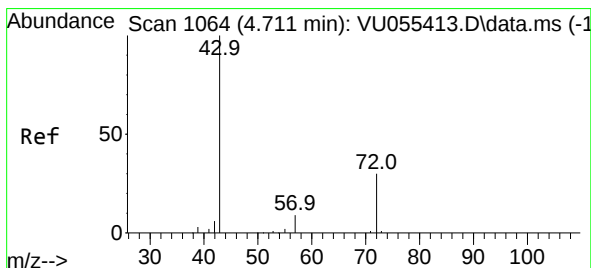
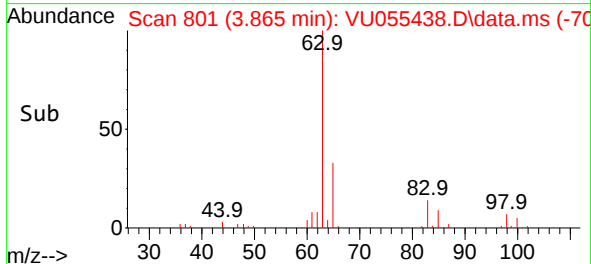
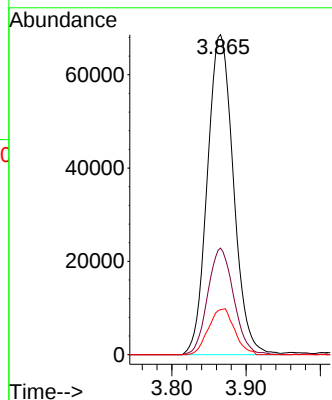
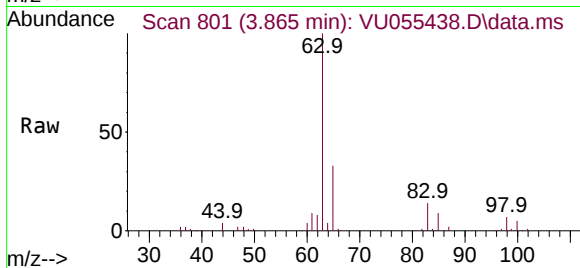
Tgt Ion: 63 Resp: 167331

Ion Ratio Lower Upper

63 100

65 33.3 22.0 41.0

83 14.1 10.1 18.9



#21

2-Butanone

Concen: 45.192 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.003 min

Lab File: VU055438.D

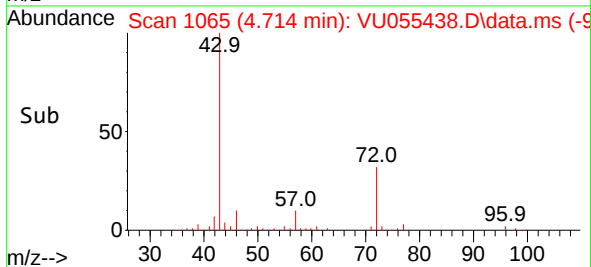
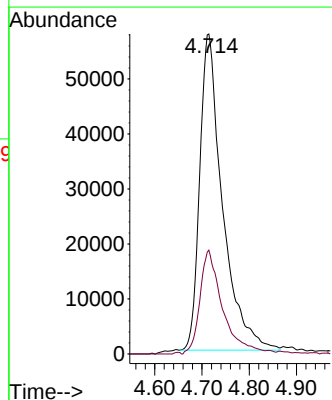
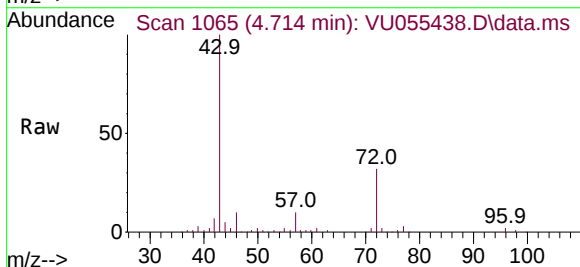
Acq: 21 Sep 2023 09:18

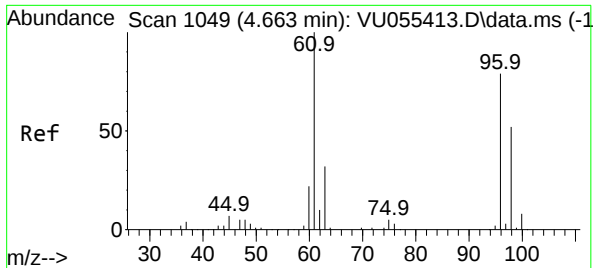
Tgt Ion: 43 Resp: 191830

Ion Ratio Lower Upper

43 100

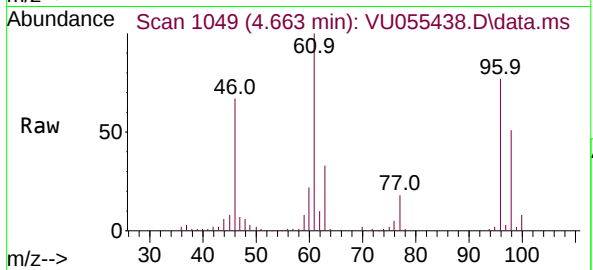
72 32.4 15.1 45.3





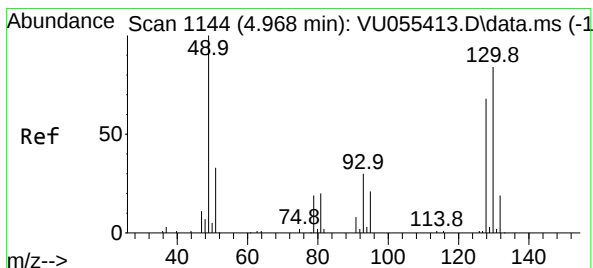
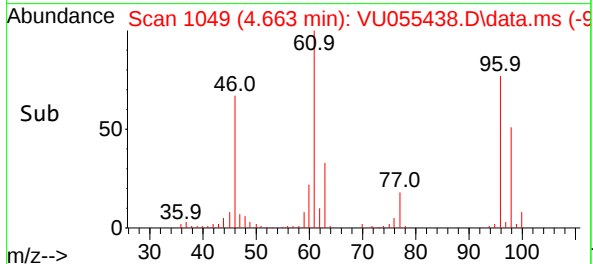
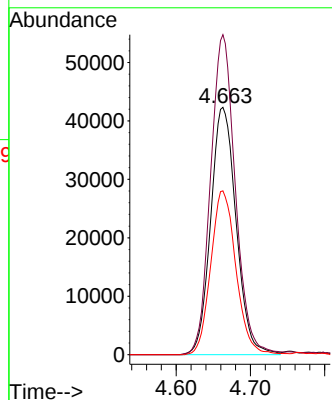
#22
 cis-1,2-Dichloroethene
 Concen: 4.438 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055438.D
 Acq: 21 Sep 2023 09:18

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 100844

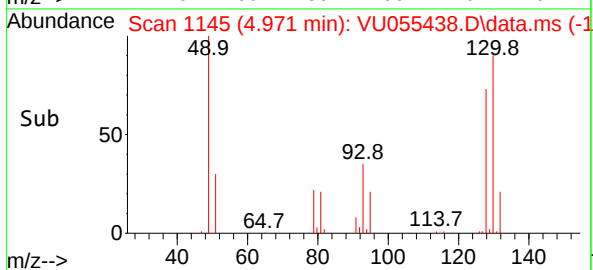
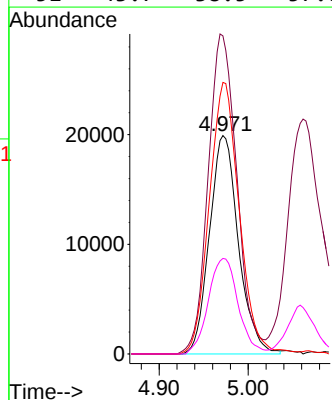
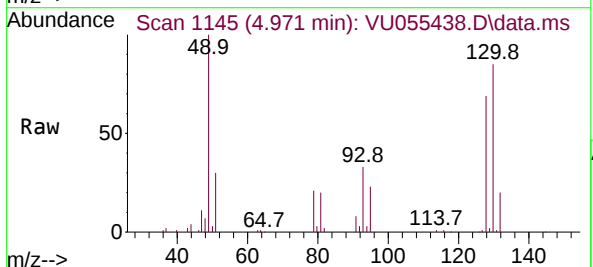
Ion	Ratio	Lower	Upper
96	100		
61	129.4	87.8	163.2
98	66.2	44.4	82.4

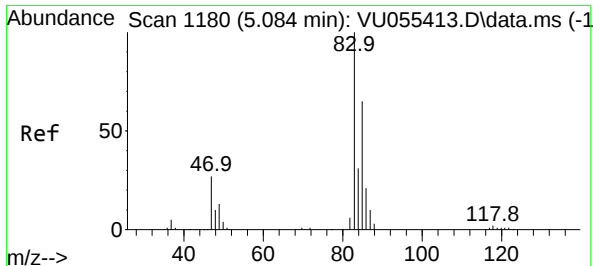


#23
 Bromochloromethane
 Concen: 4.682 ug/L
 RT: 4.971 min Scan# 1145
 Delta R.T. 0.003 min
 Lab File: VU055438.D
 Acq: 21 Sep 2023 09:18

Tgt Ion:128 Resp: 44972

Ion	Ratio	Lower	Upper
128	100		
49	145.7	102.8	191.0
130	124.3	89.9	166.9
51	43.7	38.5	57.7





#25

Chloroform

Concen: 4.726 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

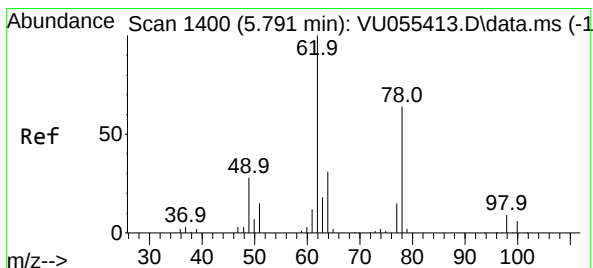
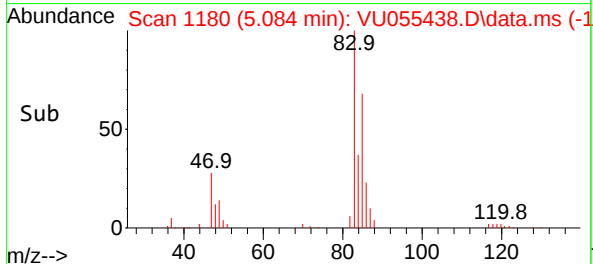
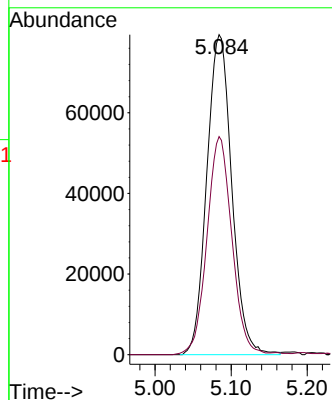
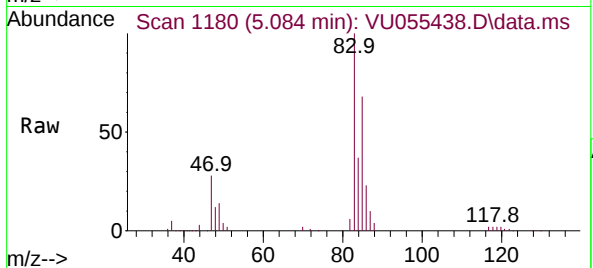
ClientSampleId :

Tgt Ion: 83 Resp: 181368

Ion Ratio Lower Upper

83 100

85 68.2 44.9 83.5



#27

1,2-Dichloroethane

Concen: 4.667 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055438.D

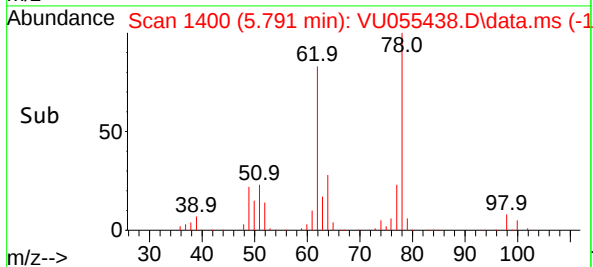
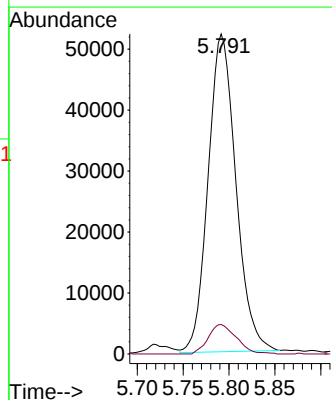
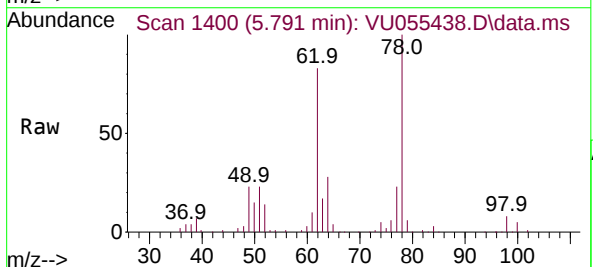
Acq: 21 Sep 2023 09:18

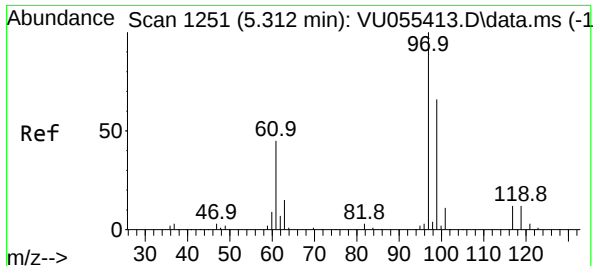
Tgt Ion: 62 Resp: 109836

Ion Ratio Lower Upper

62 100

98 9.2 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.933 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

ClientSampleId :

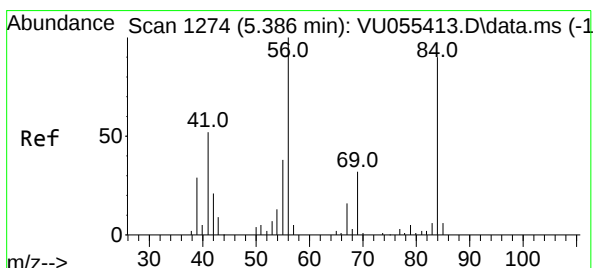
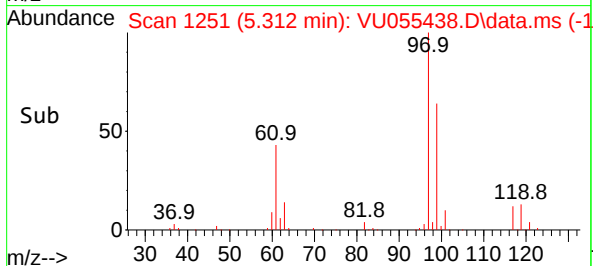
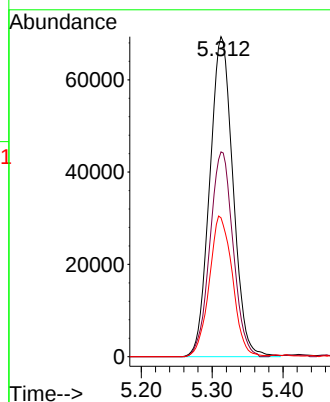
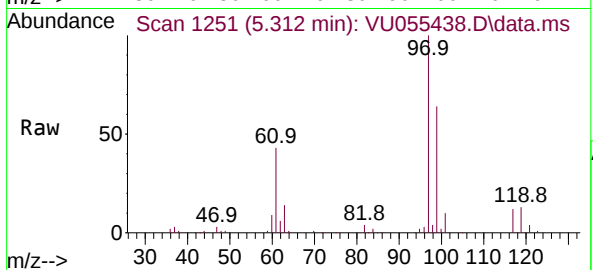
Tgt Ion: 97 Resp: 158284

Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

61 43.8 34.6 51.8



#30

Cyclohexane

Concen: 4.576 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

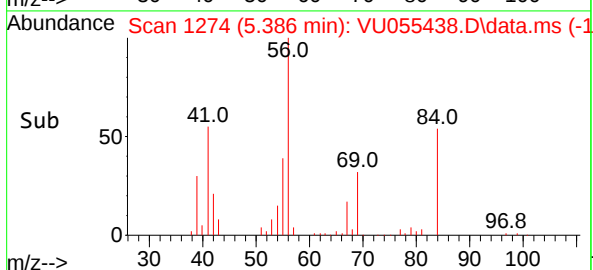
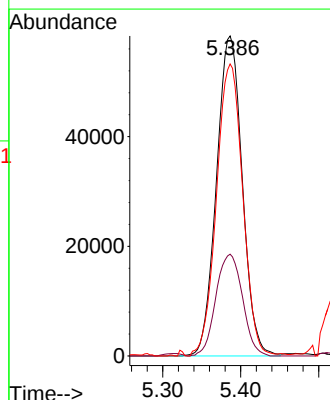
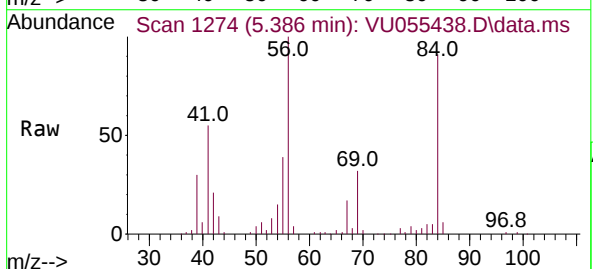
Tgt Ion: 56 Resp: 134407

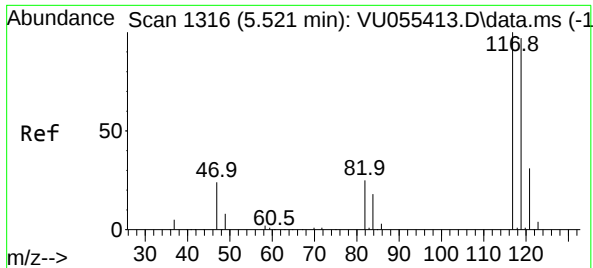
Ion Ratio Lower Upper

56 100

69 32.7 26.5 39.7

84 92.7 72.6 108.8

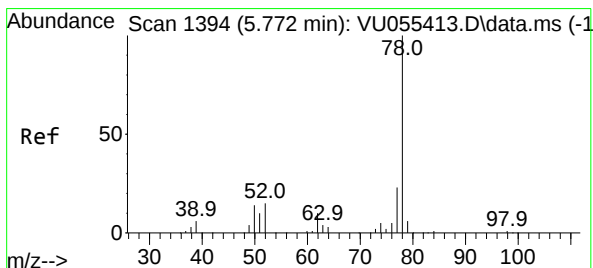
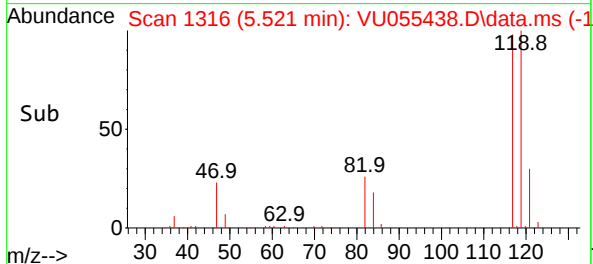
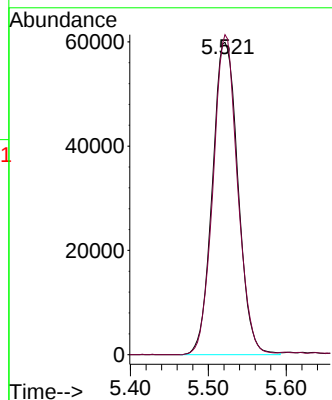
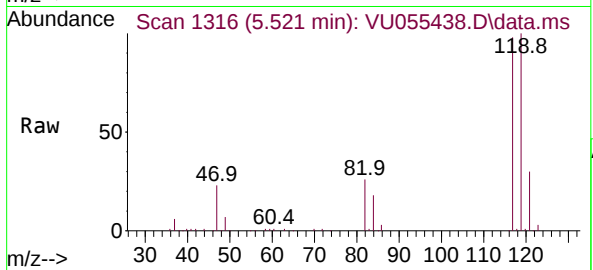




#31
Carbon tetrachloride
Concen: 4.981 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

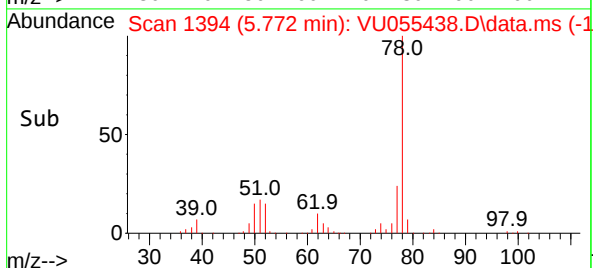
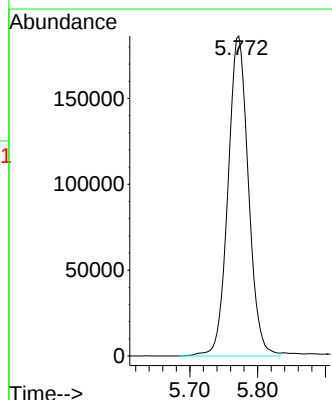
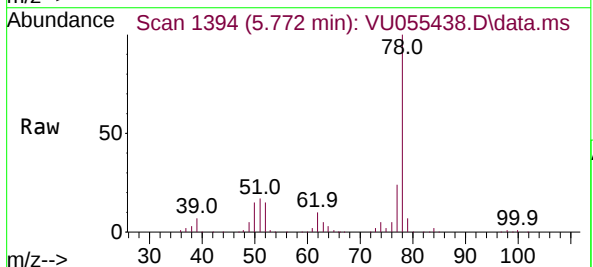
Instrument :
MSVOA_U
ClientSampleId :

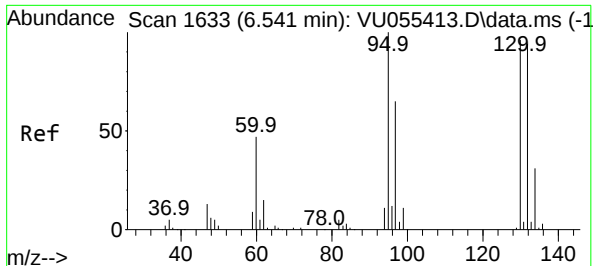
Tgt Ion:117 Resp: 136987
Ion Ratio Lower Upper
117 100
119 97.7 75.2 112.8



#33
Benzene
Concen: 4.820 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

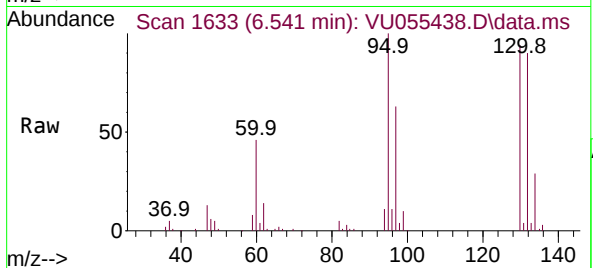
Tgt Ion: 78 Resp: 390449



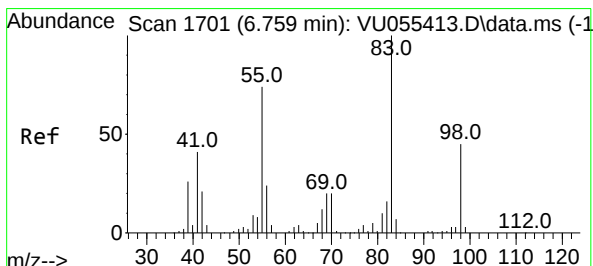
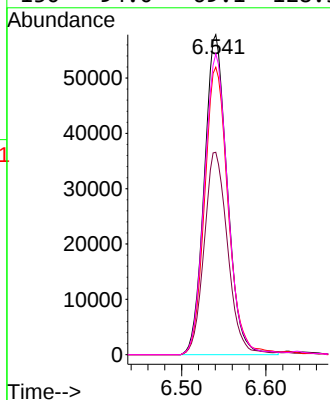
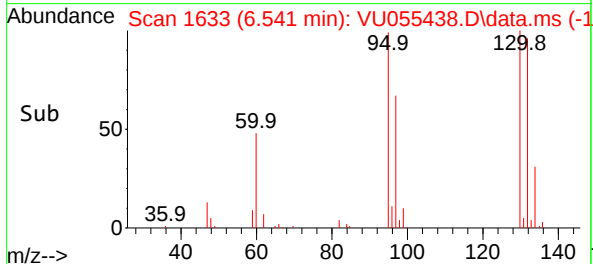


#34
Trichloroethene
Concen: 4.794 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

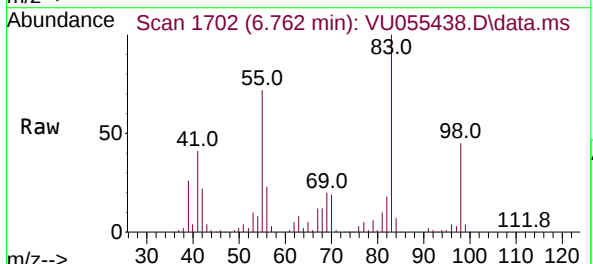
Instrument :
MSVOA_U
ClientSampleId :



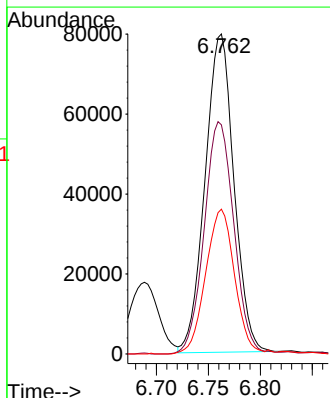
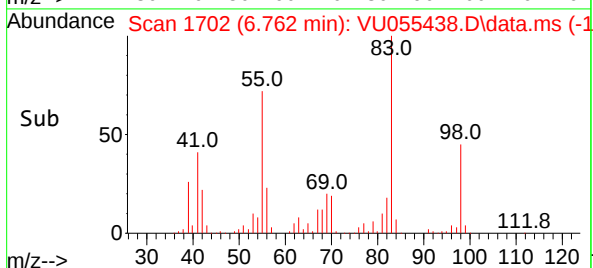
Tgt Ion: 95 Resp: 109863
Ion Ratio Lower Upper
95 100
97 63.2 45.4 84.2
132 89.9 65.2 121.2
130 94.0 69.1 128.3

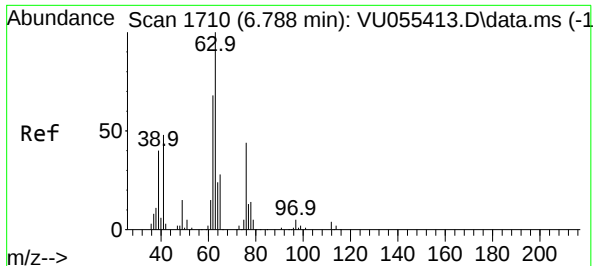


#35
Methylcyclohexane
Concen: 4.660 ug/L
RT: 6.762 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18



Tgt Ion: 83 Resp: 153822
Ion Ratio Lower Upper
83 100
55 75.1 59.1 88.7
98 45.4 36.3 54.5

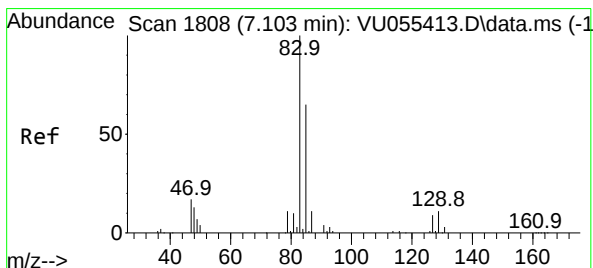
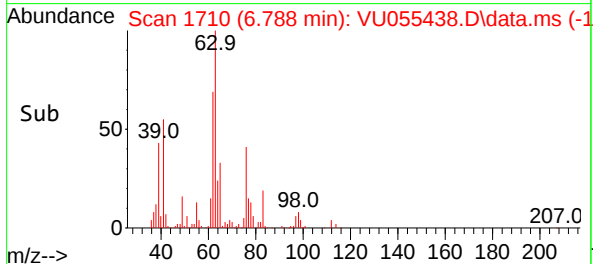
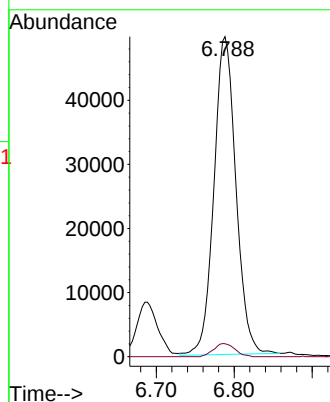
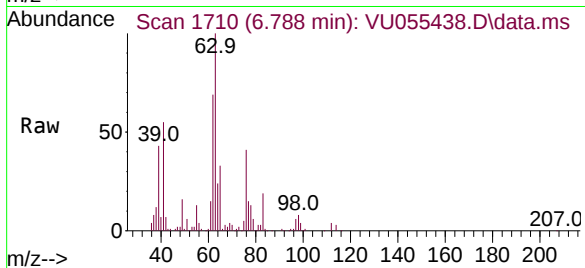




#37
1,2-Dichloropropane
Concen: 4.591 ug/L
RT: 6.788 min Scan# 1710
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

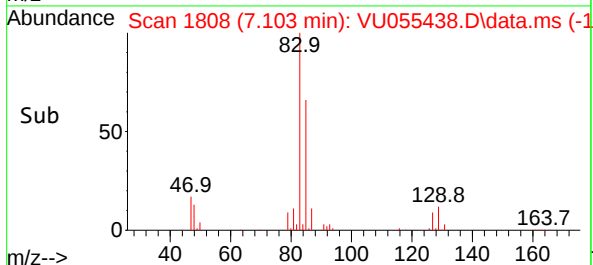
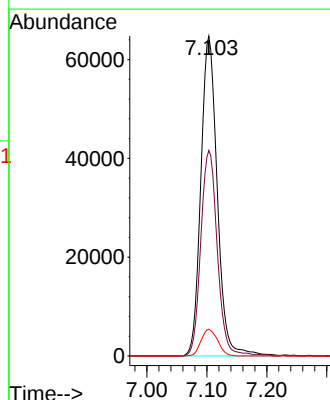
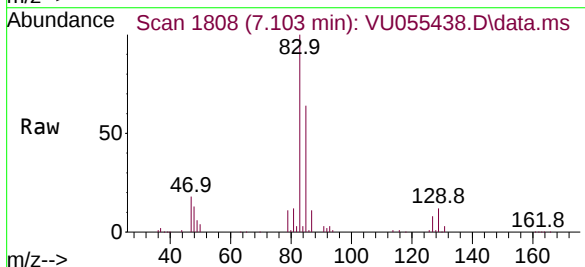
Instrument :
MSVOA_U
ClientSampleId :

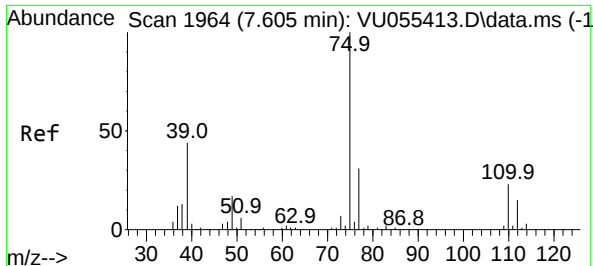
Tgt Ion: 63 Resp: 97273
Ion Ratio Lower Upper
63 100
112 4.0 3.0 4.6



#38
Bromodichloromethane
Concen: 4.985 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion: 83 Resp: 123775
Ion Ratio Lower Upper
83 100
85 64.2 46.8 86.8
127 8.4 7.2 10.8

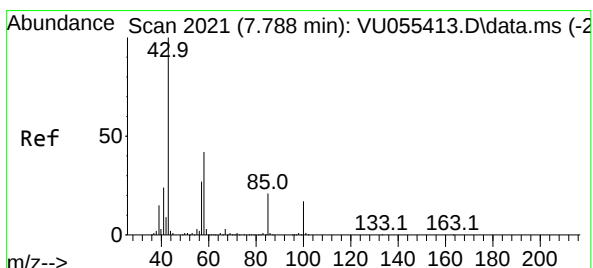
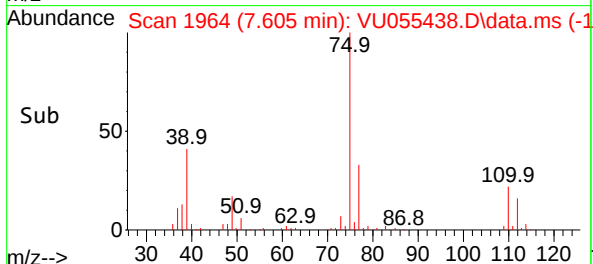
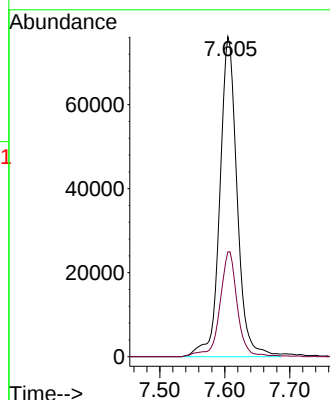
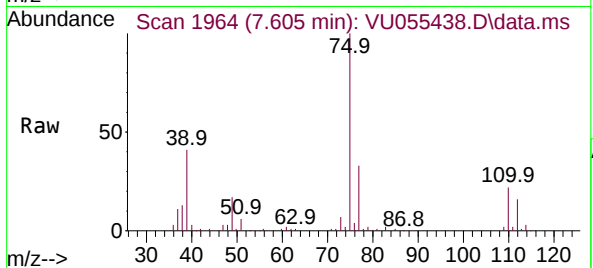




#39
 cis-1,3-Dichloropropene
 Concen: 4.964 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VU055438.D
 Acq: 21 Sep 2023 09:18

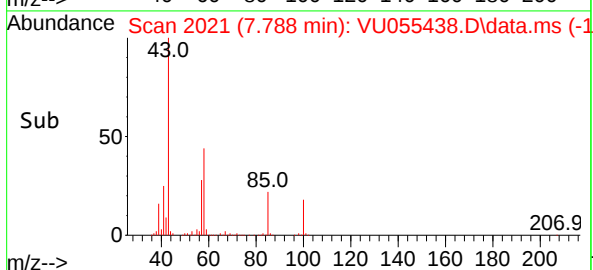
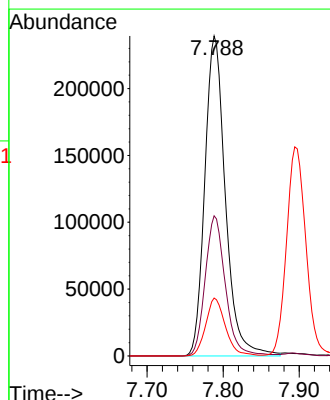
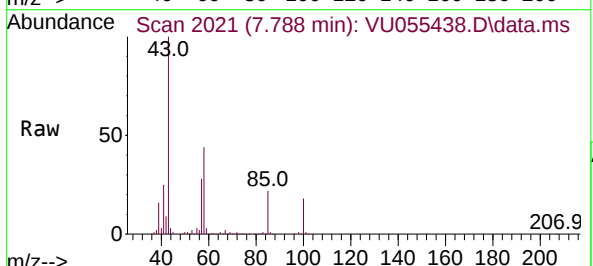
Instrument :
 MSVOA_U
 ClientSampleId :

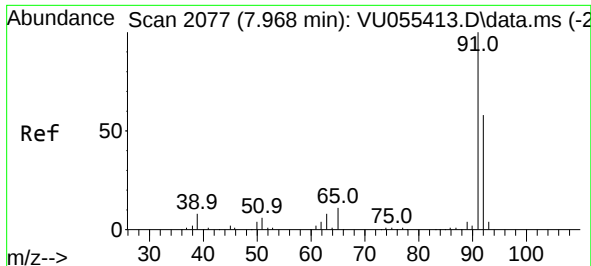
Tgt Ion: 75 Resp: 140373
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 46.878 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. -0.000 min
 Lab File: VU055438.D
 Acq: 21 Sep 2023 09:18

Tgt Ion: 43 Resp: 450533
 Ion Ratio Lower Upper
 43 100
 58 42.9 34.2 51.4
 100 17.3 13.4 20.0





#42

Toluene

Concen: 4.942 ug/L

RT: 7.965 min Scan# 2077

Delta R.T. -0.003 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

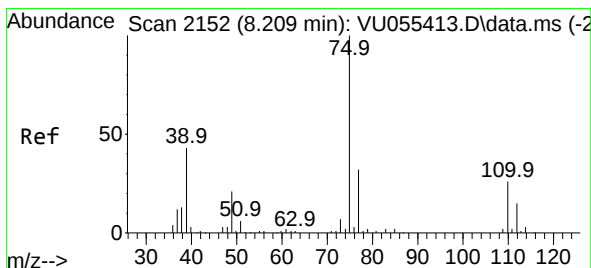
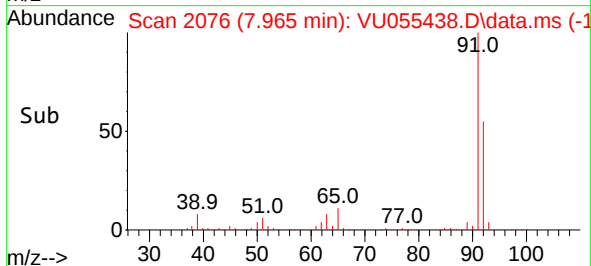
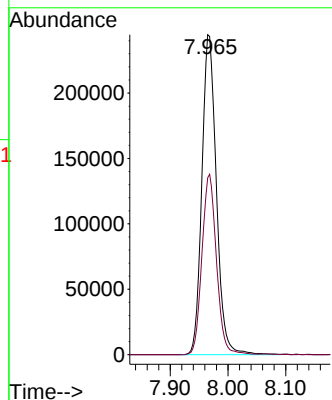
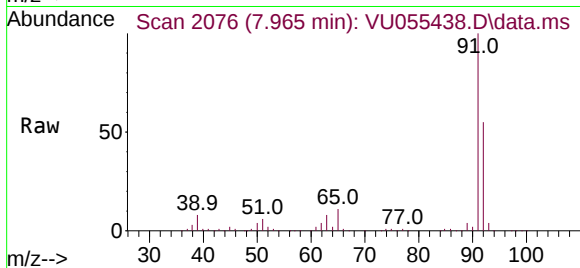
ClientSampleId :

Tgt Ion: 91 Resp: 427032

Ion Ratio Lower Upper

91 100

92 55.3 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.976 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VU055438.D

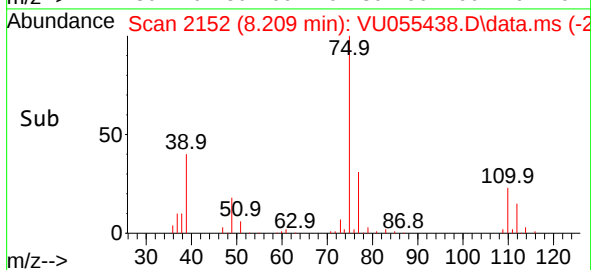
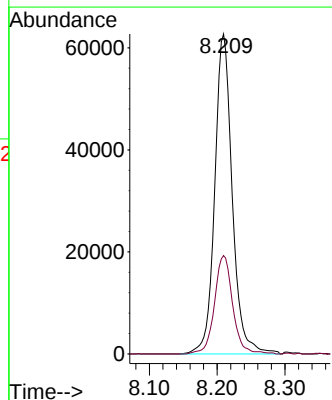
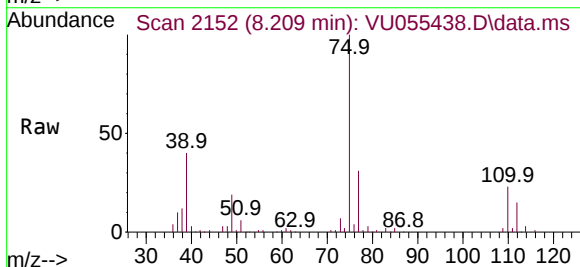
Acq: 21 Sep 2023 09:18

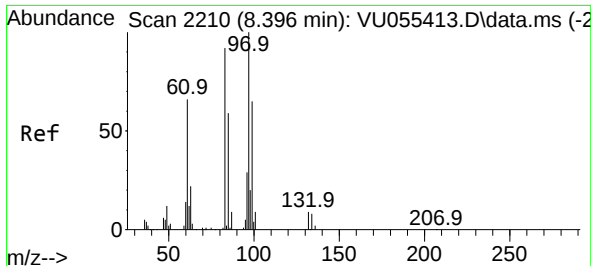
Tgt Ion: 75 Resp: 112581

Ion Ratio Lower Upper

75 100

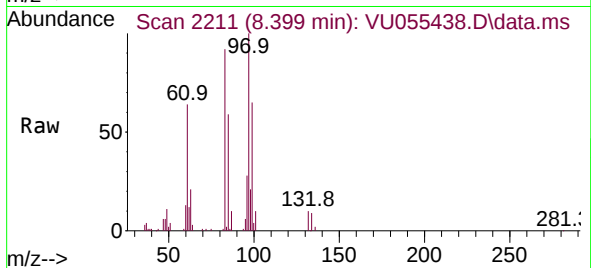
77 30.7 21.8 40.4



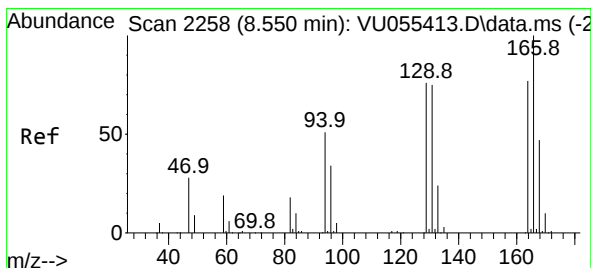
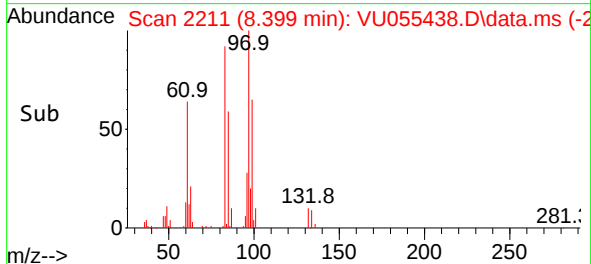
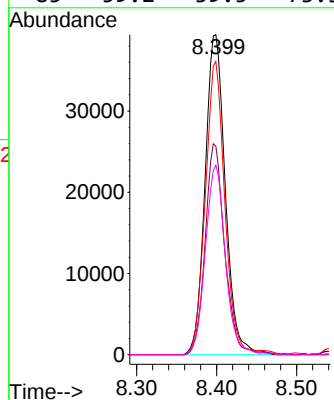


#45
1,1,2-Trichloroethane
Concen: 4.674 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Instrument :
MSVOA_U
ClientSampleId :

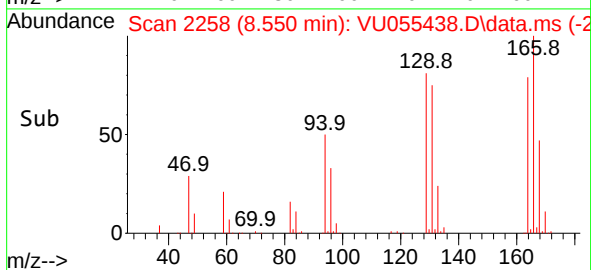
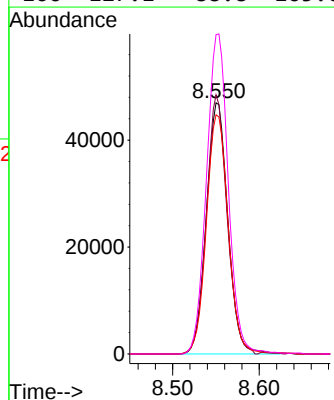
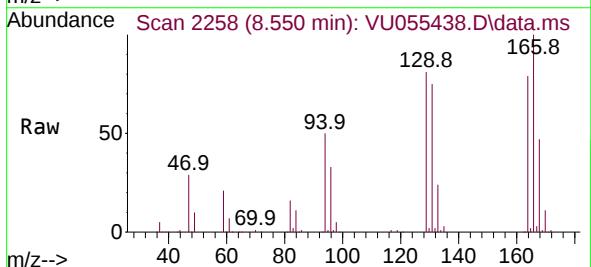


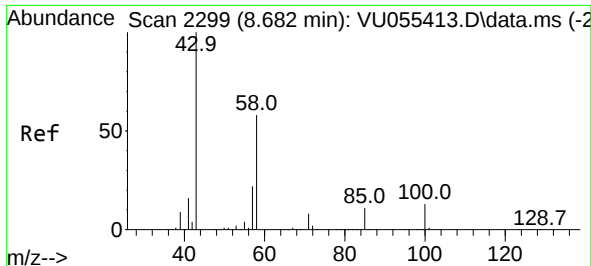
Tgt Ion:	97	Resp:	69426
Ion	Ratio	Lower	Upper
97	100		
99	65.2	44.1	81.9
83	91.6	61.5	114.1
85	59.2	39.5	73.3



#47
Tetrachloroethene
Concen: 4.949 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

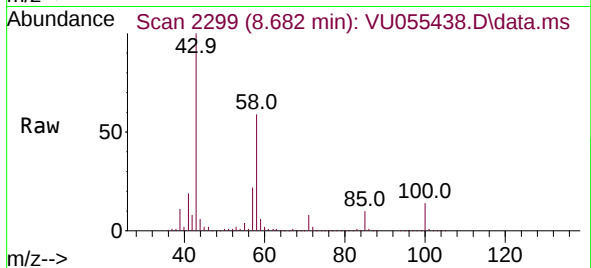
Tgt Ion:	164	Resp:	81347
Ion	Ratio	Lower	Upper
164	100		
129	103.1	67.4	125.2
131	95.2	66.4	123.2
166	127.1	88.8	165.0



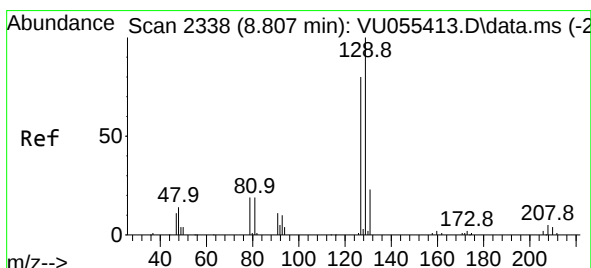
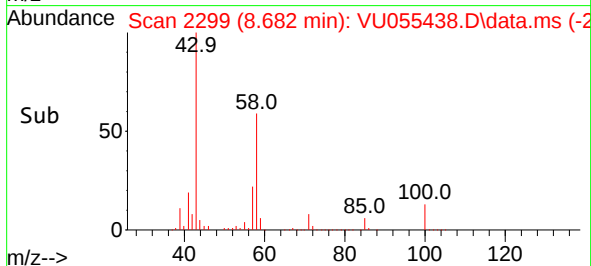
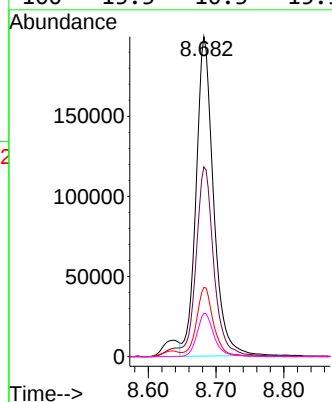


#48
2-Hexanone
Concen: 47.843 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Instrument :
MSVOA_U
ClientSampleId :

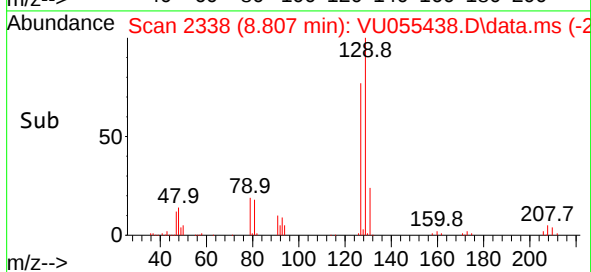
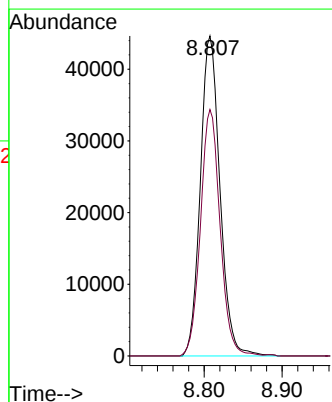
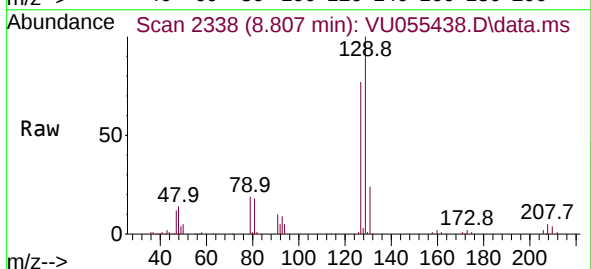


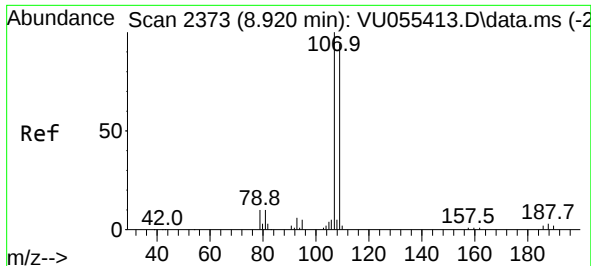
Tgt Ion: 43 Resp: 356359
Ion Ratio Lower Upper
43 100
58 62.8 48.5 72.7
57 21.5 17.0 25.4
100 13.3 10.3 15.5



#49
Dibromochloromethane
Concen: 5.018 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion: 129 Resp: 78144
Ion Ratio Lower Upper
129 100
127 77.0 56.8 105.6





#50

1,2-Dibromoethane

Concen: 4.919 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055438.D

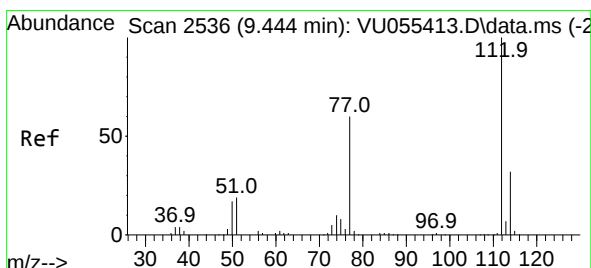
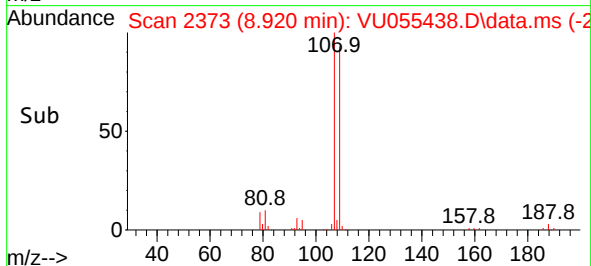
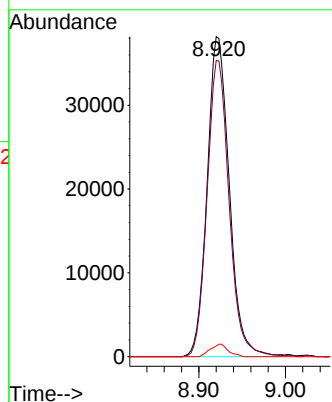
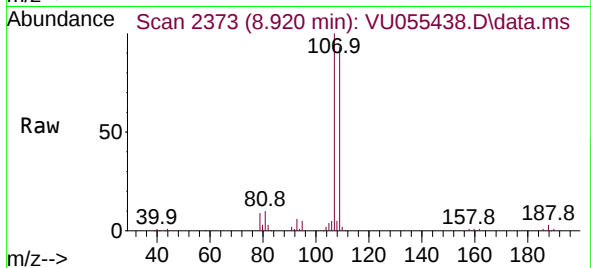
Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	67814
Ion	Ratio	Lower	Upper
107	100		
109	92.6	66.1	122.8
188	3.3	3.2	4.8



#51

Chlorobenzene

Concen: 4.786 ug/L

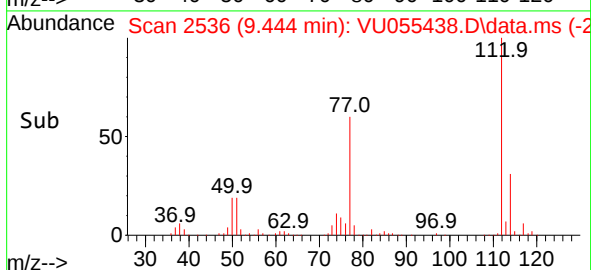
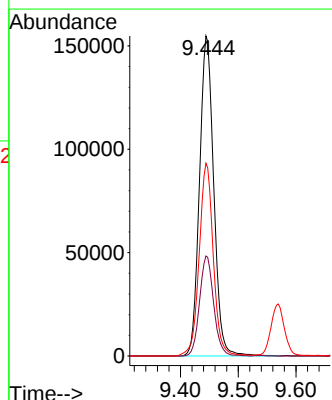
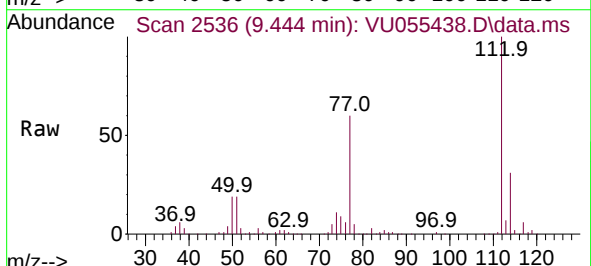
RT: 9.444 min Scan# 2536

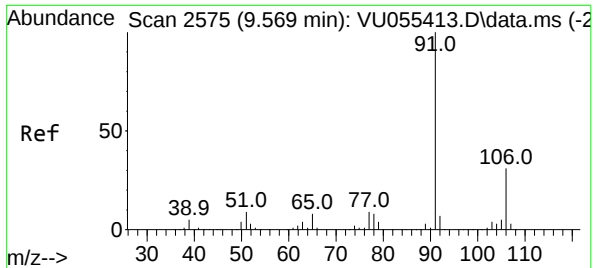
Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Tgt Ion:	112	Resp:	264868
Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.0	40.8
77	60.2	46.9	70.3

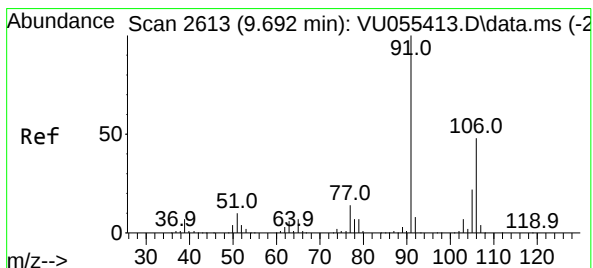
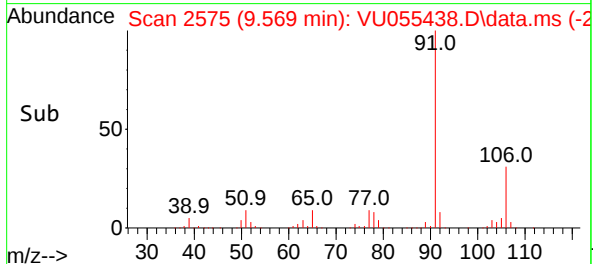
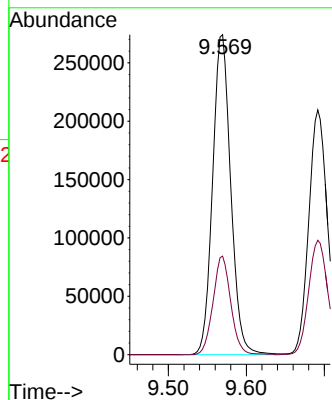
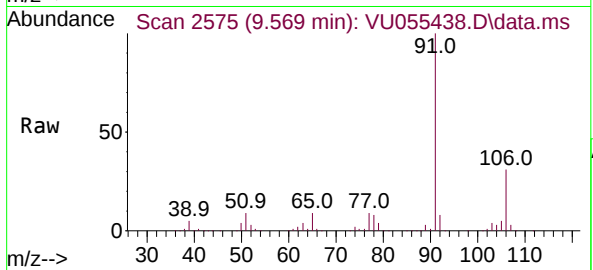




#52
Ethylbenzene
Concen: 4.791 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

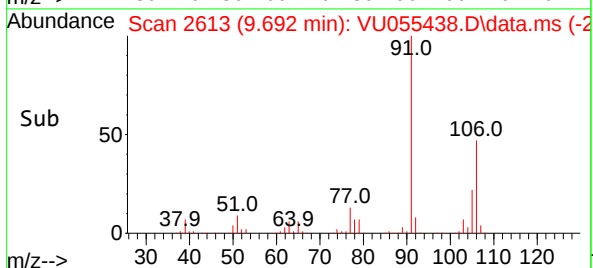
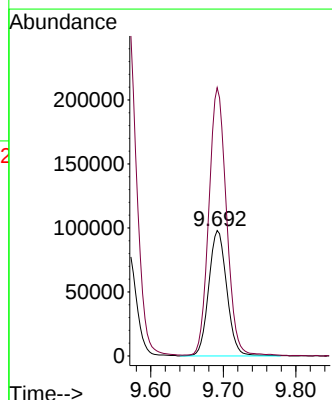
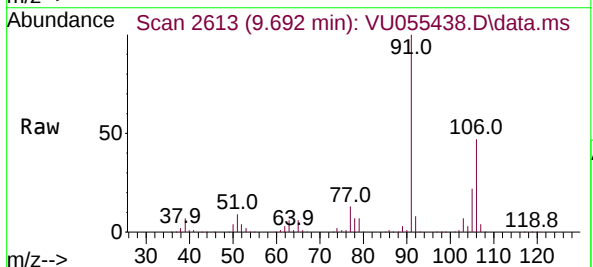
Instrument :
MSVOA_U
ClientSampleId :

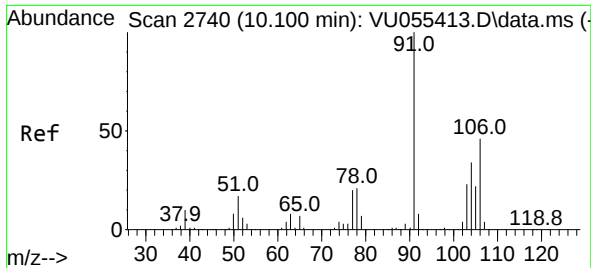
Tgt Ion: 91 Resp: 443850
Ion Ratio Lower Upper
91 100
106 30.8 22.4 41.6



#53
m,p-Xylene
Concen: 4.886 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion: 106 Resp: 169621
Ion Ratio Lower Upper
106 100
91 214.0 144.8 269.0

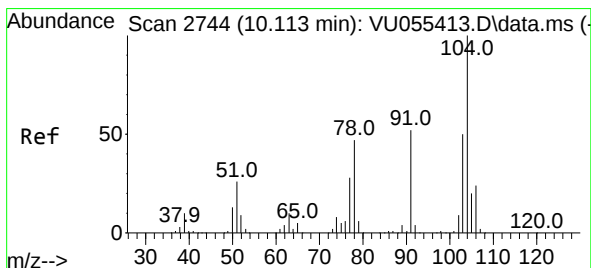
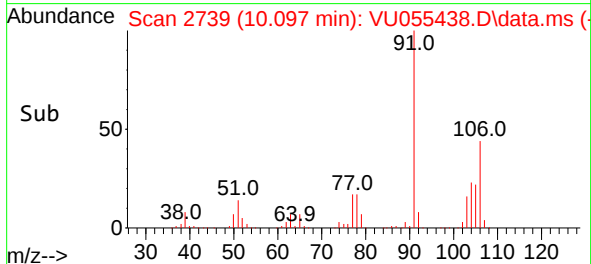
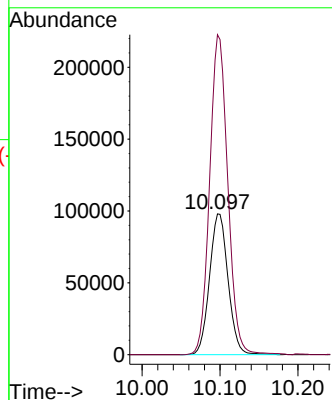
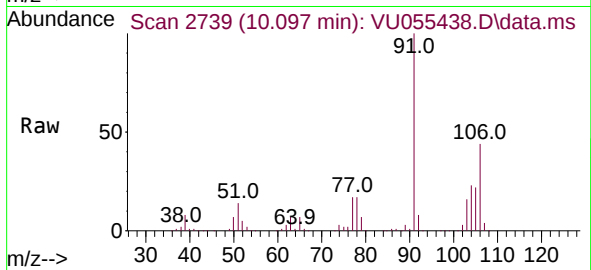




#54
o-Xylene
Concen: 4.794 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

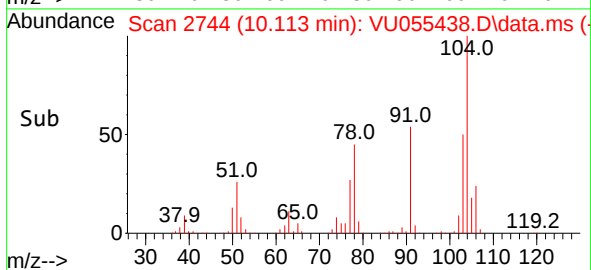
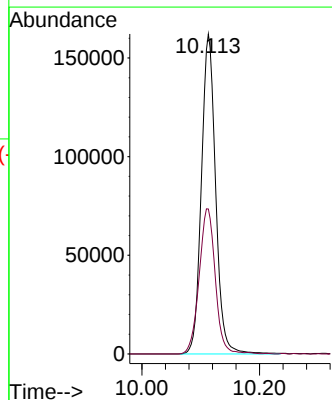
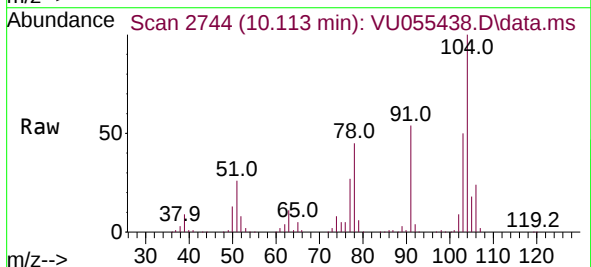
Instrument :
MSVOA_U
ClientSampleId :

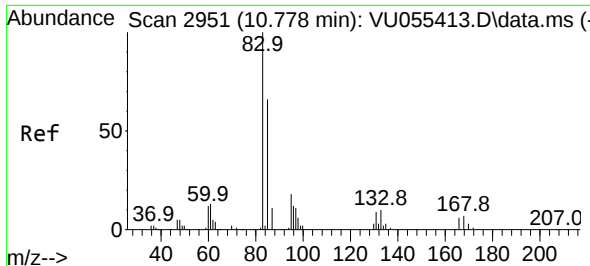
Tgt Ion:106 Resp: 161800
Ion Ratio Lower Upper
106 100
91 227.3 157.6 292.8



#55
Styrene
Concen: 5.002 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion:104 Resp: 272974
Ion Ratio Lower Upper
104 100
78 45.3 31.2 58.0

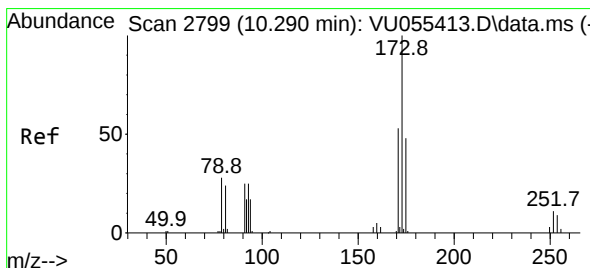
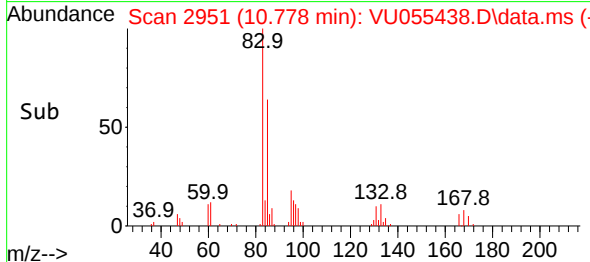
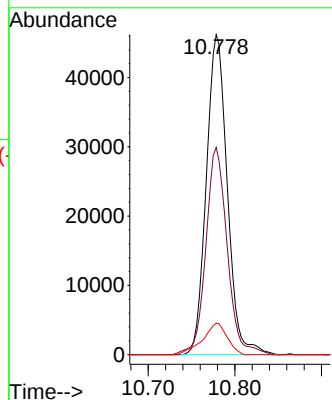
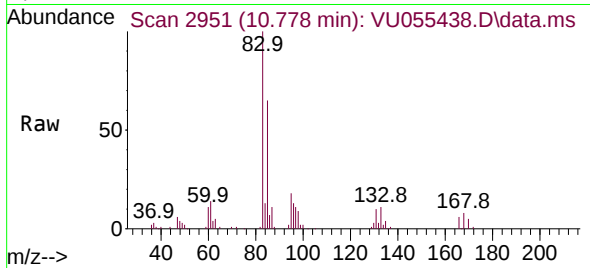




#57
1,1,2,2-Tetrachloroethane
Concen: 4.637 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

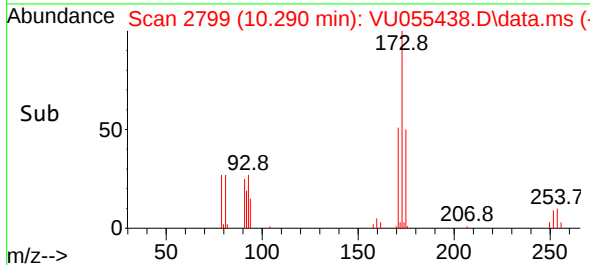
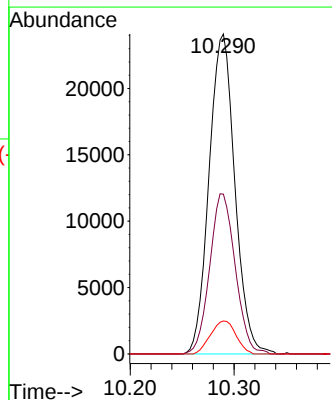
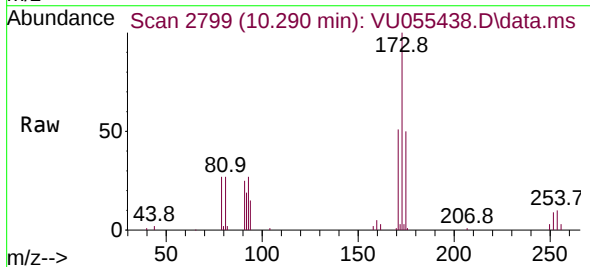
Instrument :
MSVOA_U
ClientSampleId :

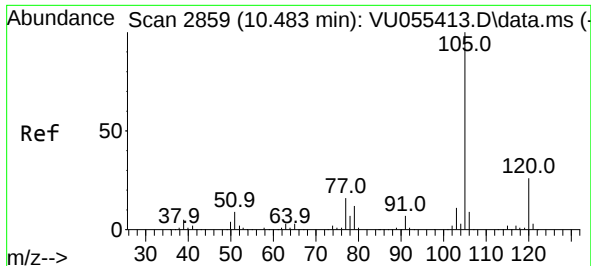
Tgt Ion: 83 Resp: 77770
Ion Ratio Lower Upper
83 100
85 64.7 44.4 82.5
131 9.8 7.4 11.2



#59
Bromoform
Concen: 5.139 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion: 173 Resp: 41564
Ion Ratio Lower Upper
173 100
175 49.6 39.4 59.2
254 10.2 7.3 10.9

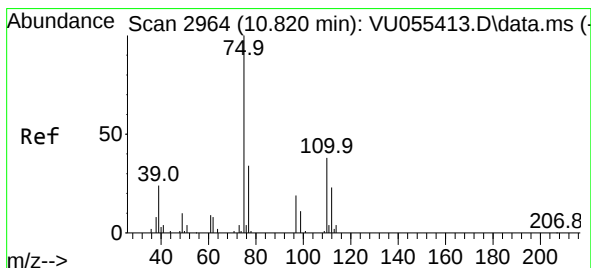
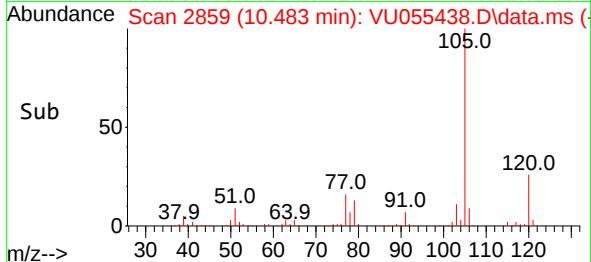
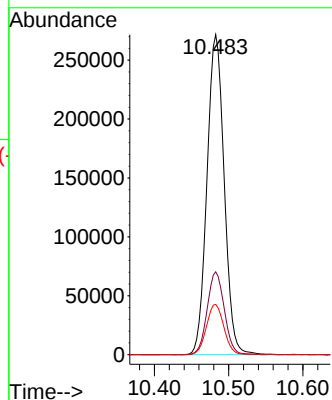
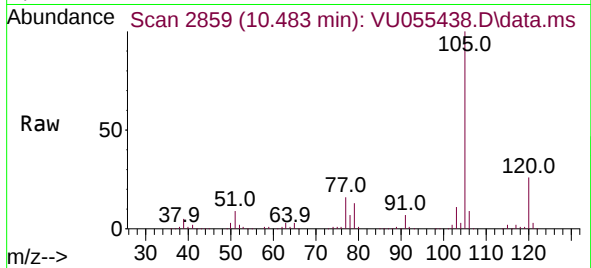




#60
Isopropylbenzene
Concen: 5.016 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

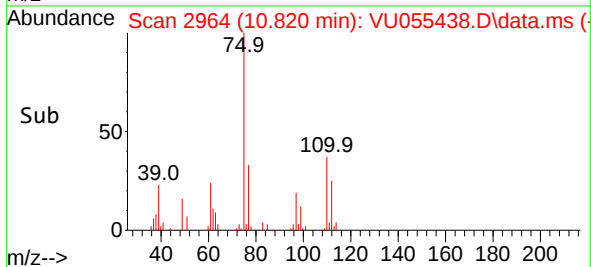
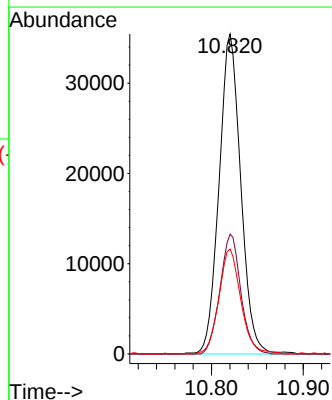
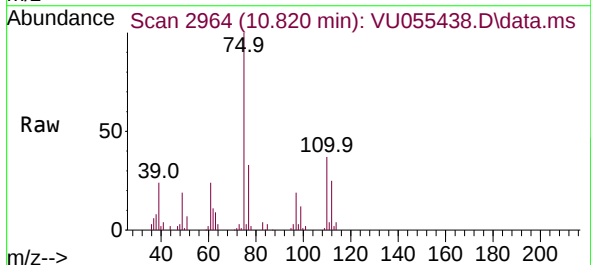
Instrument :
MSVOA_U
ClientSampleId :

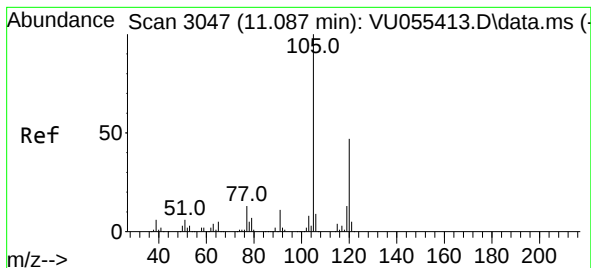
Tgt Ion:105 Resp: 436231
Ion Ratio Lower Upper
105 100
120 25.8 20.8 31.2
77 16.0 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.934 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion: 75 Resp: 58123
Ion Ratio Lower Upper
75 100
110 36.1 30.6 45.8
77 33.3 26.7 40.1





#62

1,3,5-Trimethylbenzene

Concen: 4.914 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

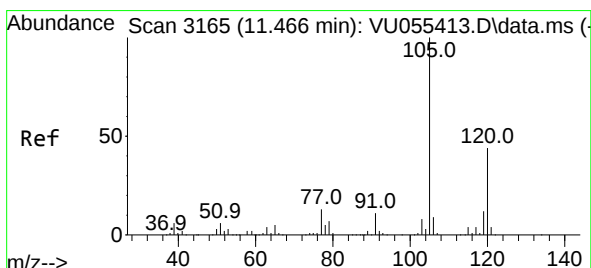
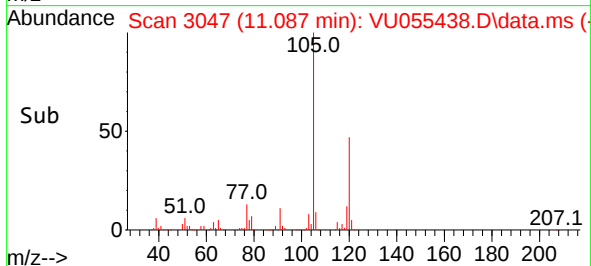
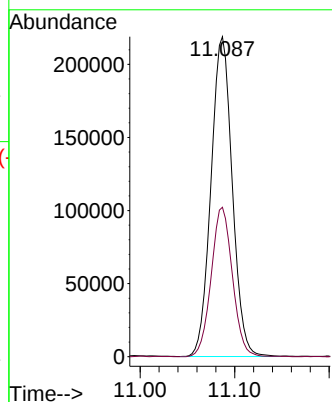
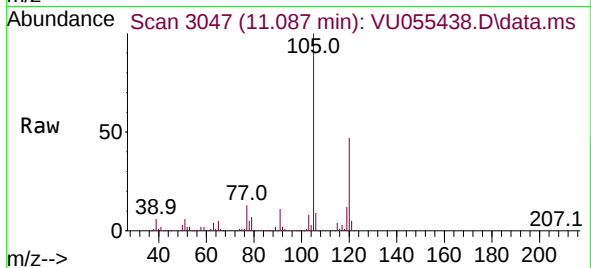
ClientSampleId :

Tgt Ion:105 Resp: 341737

Ion Ratio Lower Upper

105 100

120 46.7 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 4.900 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VU055438.D

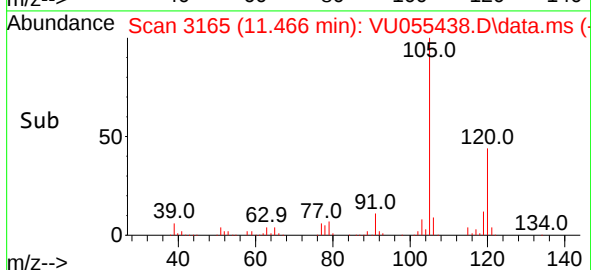
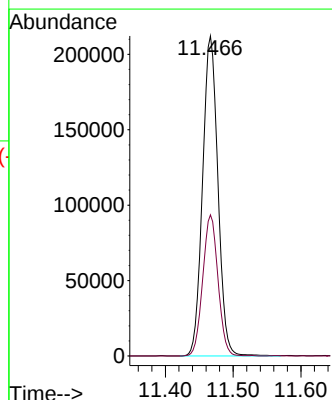
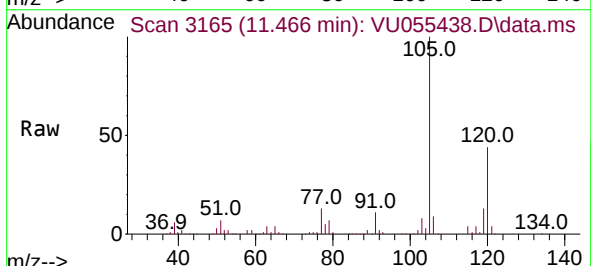
Acq: 21 Sep 2023 09:18

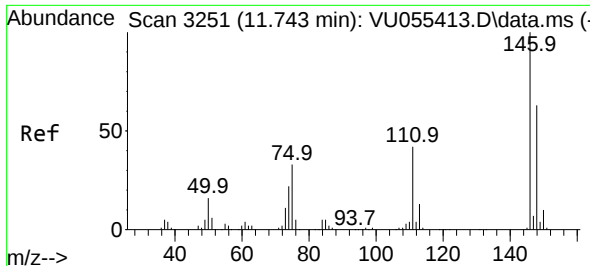
Tgt Ion:105 Resp: 333540

Ion Ratio Lower Upper

105 100

120 43.7 34.9 52.3

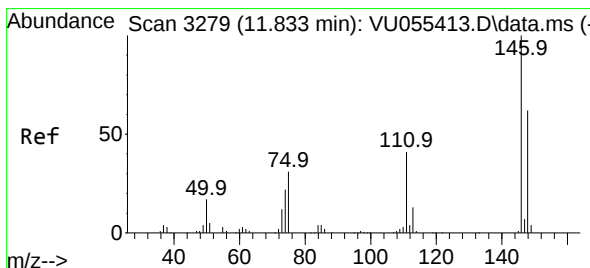
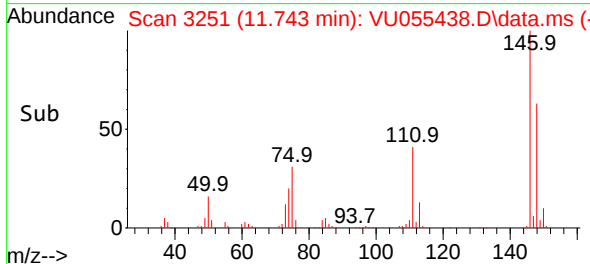
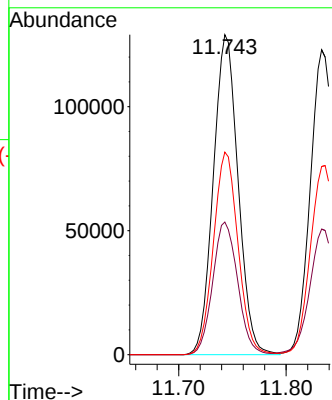
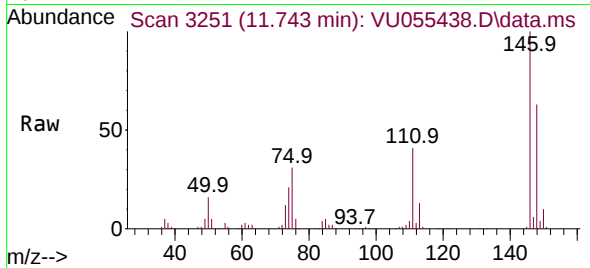




#64
1,3-Dichlorobenzene
Concen: 4.963 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

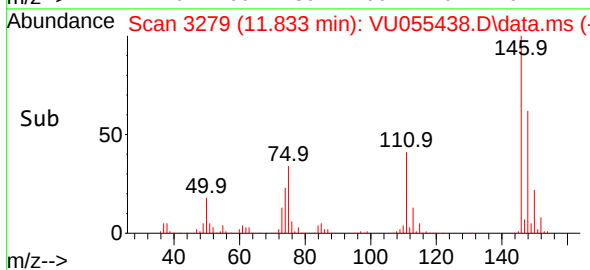
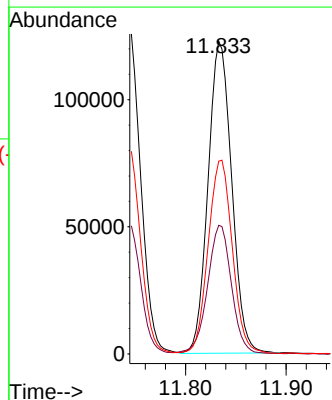
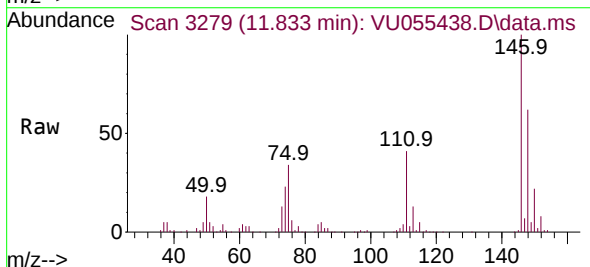
Instrument :
MSVOA_U
ClientSampleId :

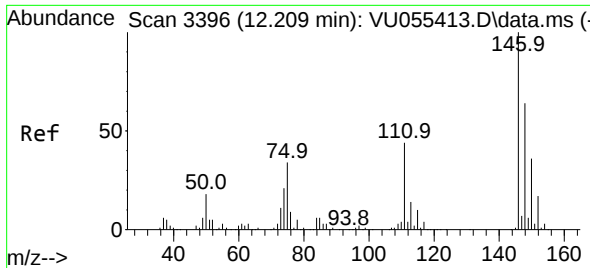
Tgt Ion:146 Resp: 206664
Ion Ratio Lower Upper
146 100
111 41.5 28.8 53.6
148 63.3 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 4.816 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion:146 Resp: 200406
Ion Ratio Lower Upper
146 100
111 41.2 29.0 53.8
148 61.7 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 4.887 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

Instrument :

MSVOA_U

ClientSampleId :

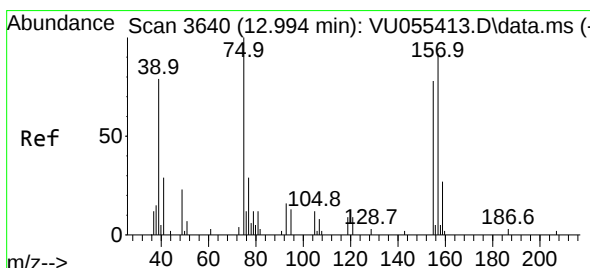
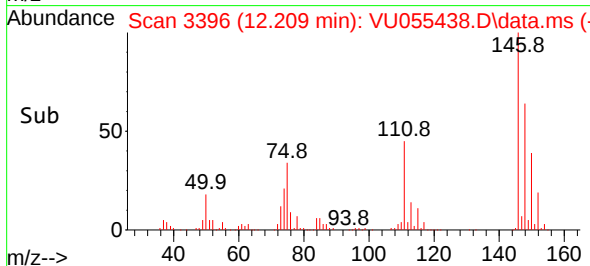
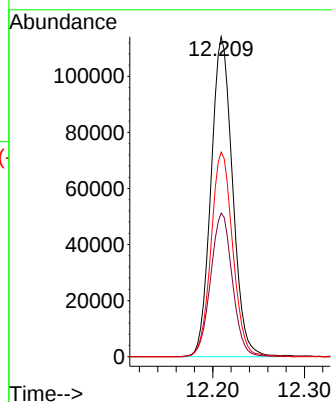
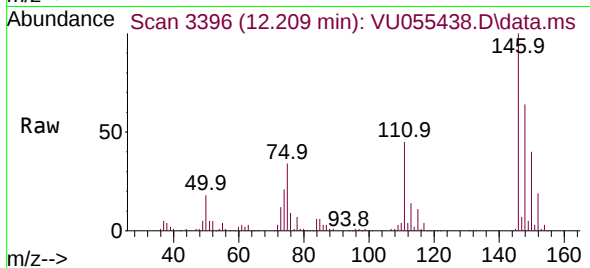
Tgt Ion:146 Resp: 186554

Ion Ratio Lower Upper

146 100

111 44.8 34.6 52.0

148 63.9 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.306 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU055438.D

Acq: 21 Sep 2023 09:18

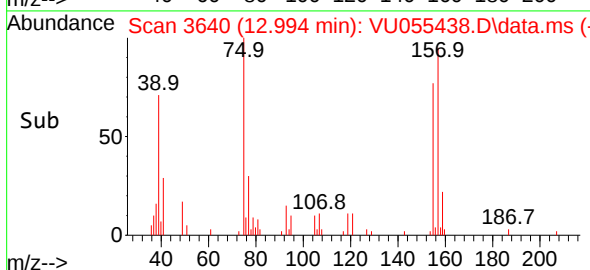
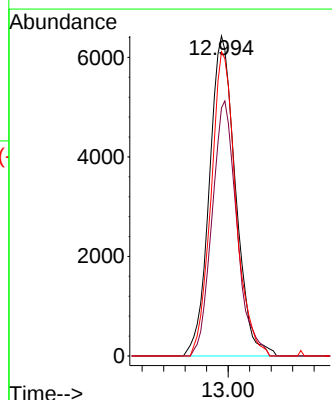
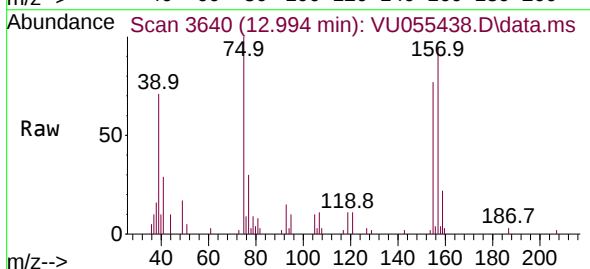
Tgt Ion: 75 Resp: 10834

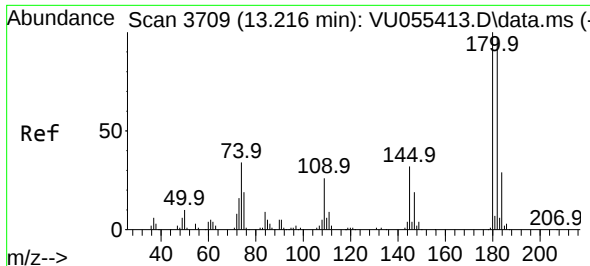
Ion Ratio Lower Upper

75 100

155 77.5 69.2 103.8

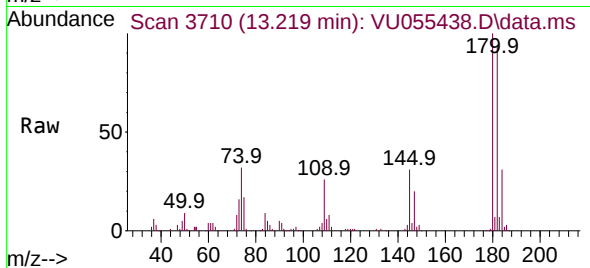
157 95.1 81.9 122.9



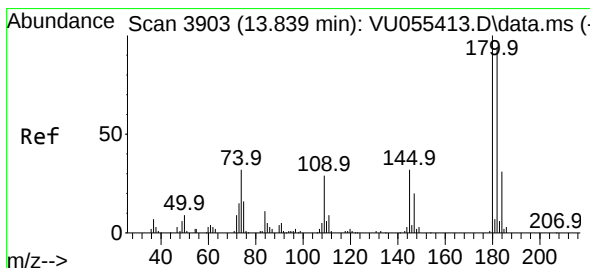
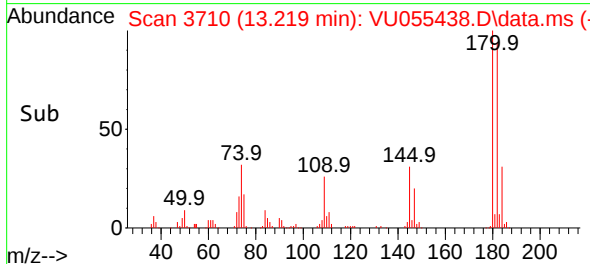
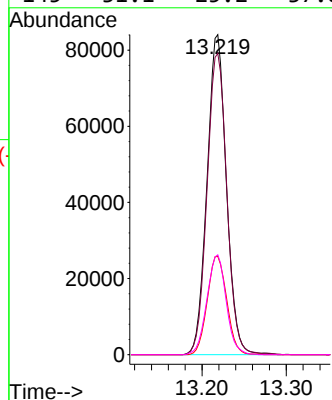


#69
1,3,5-Trichlorobenzene
Concen: 4.698 ug/L
RT: 13.219 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Instrument :
MSVOA_U
ClientSampleId :

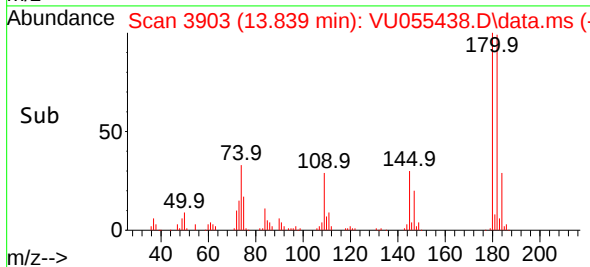
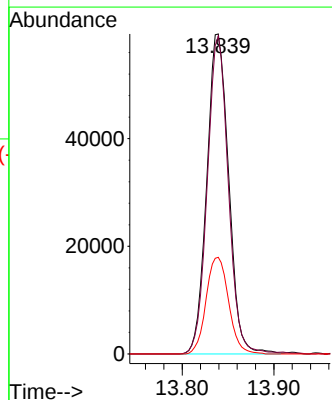
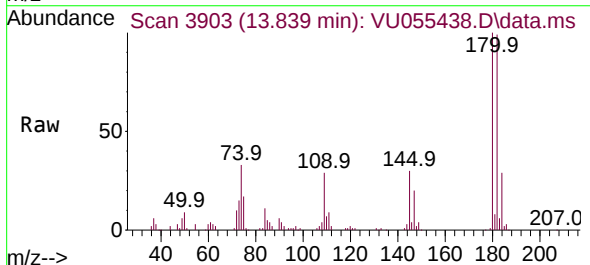


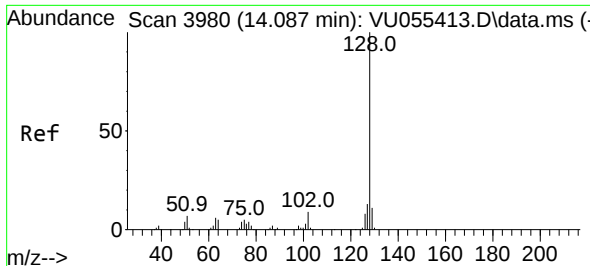
Tgt Ion:180 Resp: 134709
Ion Ratio Lower Upper
180 100
182 95.8 77.1 115.7
184 30.9 24.0 36.0
145 31.1 25.2 37.8



#70
1,2,4-trichlorobenzene
Concen: 4.521 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion:180 Resp: 98835
Ion Ratio Lower Upper
180 100
182 94.9 76.4 114.6
145 31.0 25.4 38.0

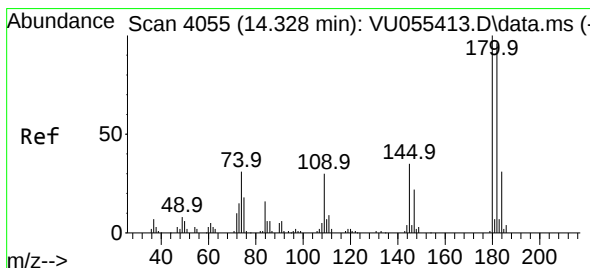
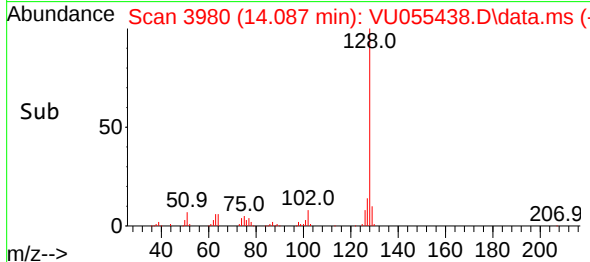
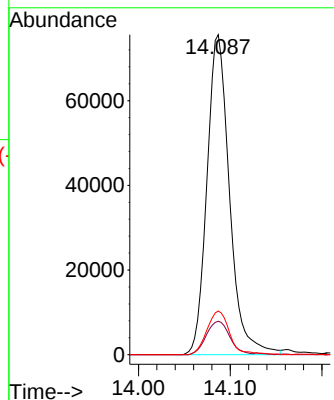
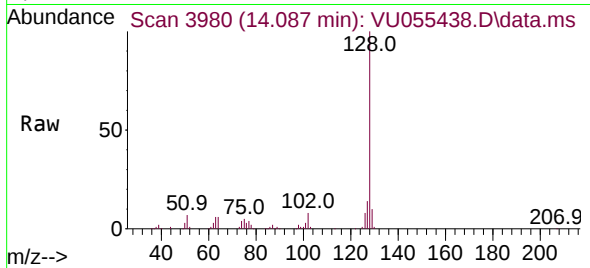




#71
Naphthalene
Concen: 4.091 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 129467
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.7 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.463 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. -0.000 min
Lab File: VU055438.D
Acq: 21 Sep 2023 09:18

Tgt Ion:180 Resp: 84902
Ion Ratio Lower Upper
180 100
182 94.9 76.2 114.4
145 34.0 26.0 39.0

