

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092223\
 Data File : VU055453.D
 Acq On : 22 Sep 2023 12:24
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 25 01:05:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 22 02:32:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	289859	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	291988	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	155855	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	96770	3.303	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.000%
7) Chloroethane-d5	1.911	69	100702	3.901	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.560	65	47981	3.979	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.634	46	263699	49.834	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.660%
24) Chloroform-d	5.058	84	251810	4.752	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.698	65	122870	4.820	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.724	84	476814	4.669	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.685	67	144091	4.722	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.894	98	423072	4.545	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	8.177	79	53086	4.957	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.200%
46) 2-Hexanone-d5	8.634	63	160695	49.334	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.660%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	113961	4.983	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	147351	4.684	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	126969	4.499	ug/L	100
3) Chloromethane	1.515	50	112328	4.525	ug/L	100
5) Vinyl chloride	1.602	62	124814	4.660	ug/L	98
6) Bromomethane	1.856	94	82657	4.859	ug/L	100
8) Chloroethane	1.930	64	84717	4.847	ug/L	97
9) Trichlorofluoromethane	2.129	101	187369	5.045	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	113472	5.021	ug/L	99
12) 1,1-Dichloroethene	2.573	96	99253	4.897	ug/L	91
13) Acetone	2.640	43	147431	48.878	ug/L	97
14) Carbon disulfide	2.788	76	304044	4.991	ug/L	99
15) Methyl Acetate	2.952	43	33376	4.853	ug/L	98
16) Methylene chloride	3.039	84	115987	4.777	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	217168	4.940	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	100176	4.904	ug/L	95
19) 1,1-Dichloroethane	3.862	63	192680	5.101	ug/L	99
21) 2-Butanone	4.711	43	220326	49.803	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	114767	4.846	ug/L	97
23) Bromochloromethane	4.971	128	50194	5.014	ug/L	99
25) Chloroform	5.084	83	209032	5.226	ug/L	98

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Quant Time: Sep 25 01:05:59 2023
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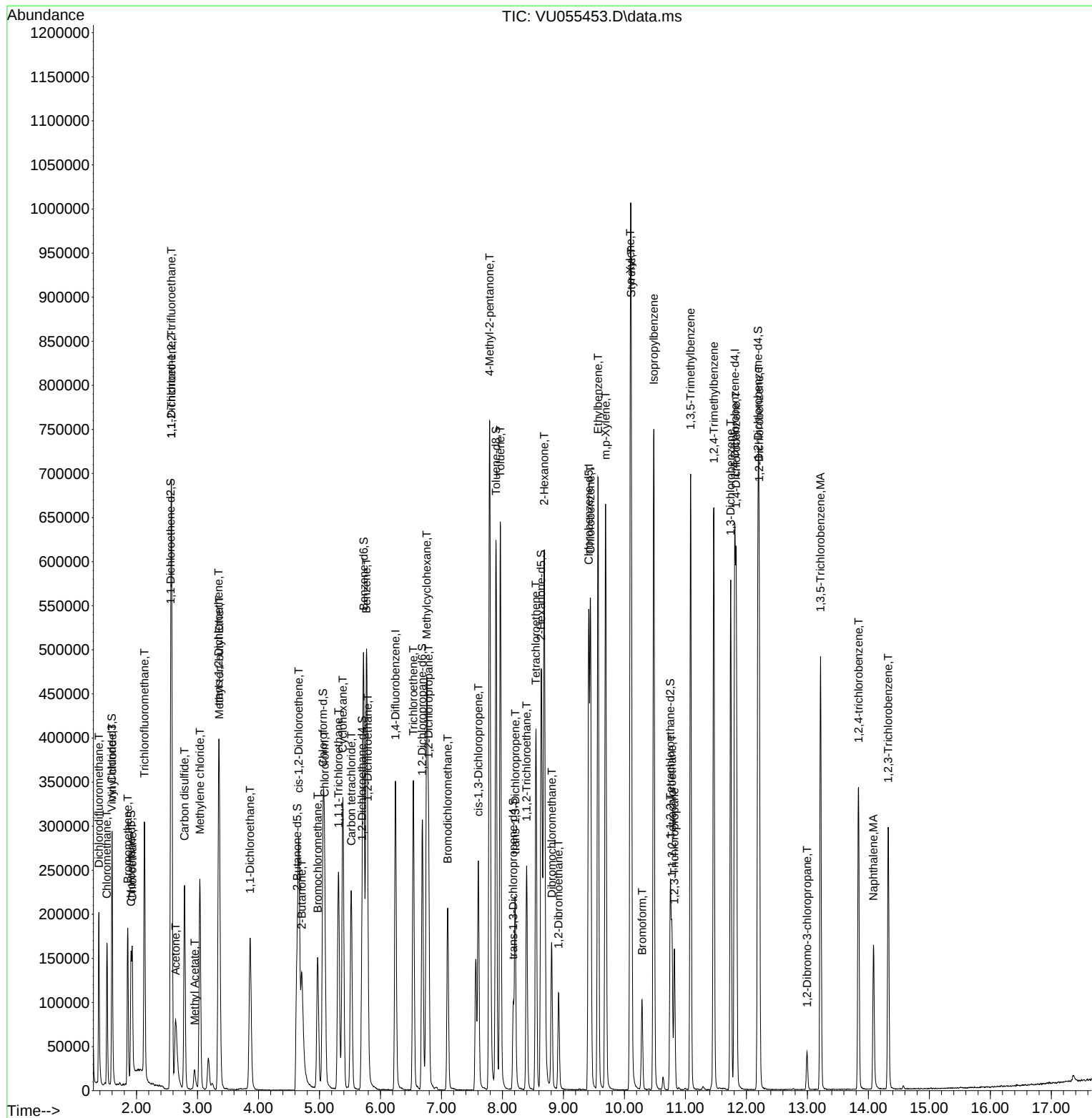
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	126713	5.166	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	182990	5.497	ug/L	99
30) Cyclohexane	5.383	56	155522	5.104	ug/L	99
31) Carbon tetrachloride	5.521	117	156321	5.479	ug/L	99
33) Benzene	5.769	78	448991	5.343	ug/L	100
34) Trichloroethene	6.541	95	122992	5.174	ug/L	98
35) Methylcyclohexane	6.759	83	174099	5.084	ug/L	99
37) 1,2-Dichloropropane	6.788	63	111639	5.079	ug/L	98
38) Bromodichloromethane	7.103	83	139269	5.407	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	157605	5.373	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	515465	51.702	ug/L	99
42) Toluene	7.965	91	477850	5.331	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	128540	5.477	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	79988	5.191	ug/L	97
47) Tetrachloroethene	8.550	164	90103	5.284	ug/L	96
48) 2-Hexanone	8.685	43	404662	52.371	ug/L	98
49) Dibromochloromethane	8.807	129	85561	5.296	ug/L	92
50) 1,2-Dibromoethane	8.920	107	73012	5.105	ug/L	98
51) Chlorobenzene	9.444	112	292570	5.096	ug/L	97
52) Ethylbenzene	9.569	91	498672	5.189	ug/L	98
53) m,p-Xylene	9.692	106	191835	5.327	ug/L	99
54) o-Xylene	10.097	106	183184	5.232	ug/L	100
55) Styrene	10.113	104	307565	5.432	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.778	83	88934	5.112	ug/L	98
59) Bromoform	10.290	173	45654	5.465	ug/L	99
60) Isopropylbenzene	10.483	105	490438	5.460	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	65706	5.401	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	382496	5.325	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	373118	5.307	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	228373	5.310	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	222908	5.186	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	208136	5.279	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	11924	5.654	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	146153	4.935	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	103125	4.567	ug/L	100
71) Naphthalene	14.084	128	139962	4.282	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	86718	4.414	ug/L	95

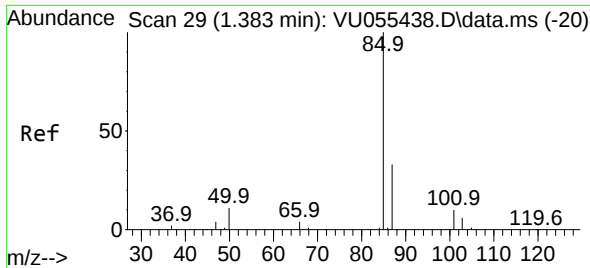
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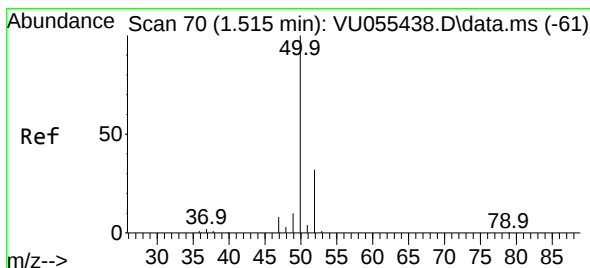
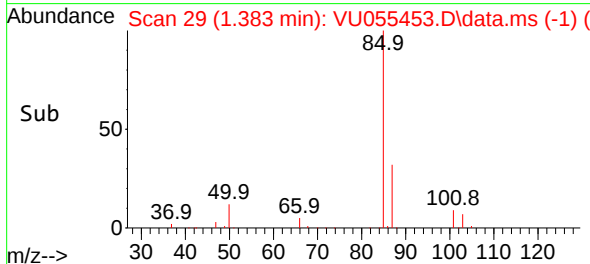
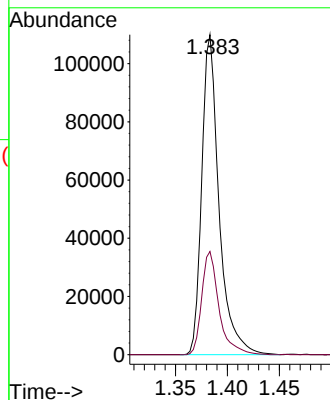
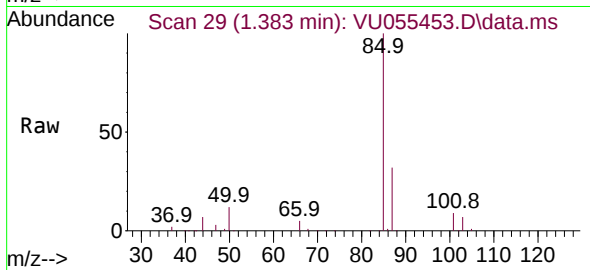




#2
 Dichlorodifluoromethane
 Concen: 4.499 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055453.D
 Acq: 22 Sep 2023 12:24

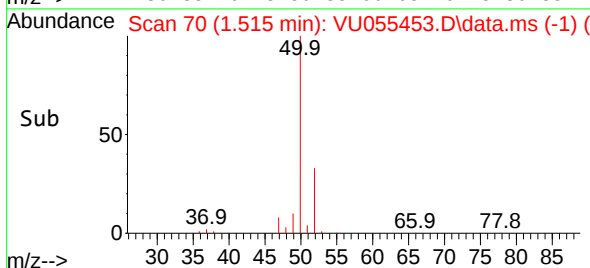
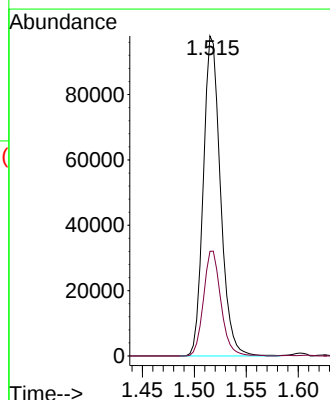
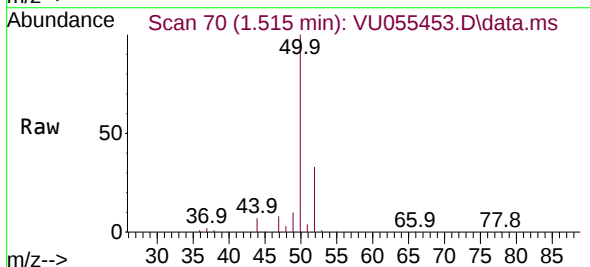
Instrument :
 MSVOA_U
 ClientSampleId :

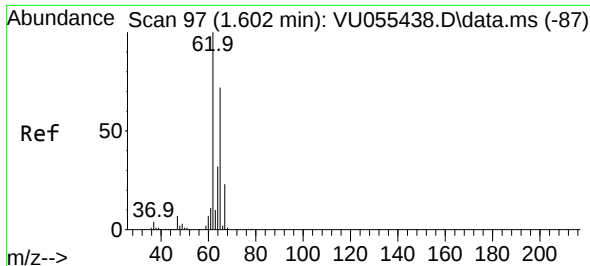
Tgt Ion: 85 Resp: 126969
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.0 39.0



#3
 Chloromethane
 Concen: 4.525 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU055453.D
 Acq: 22 Sep 2023 12:24

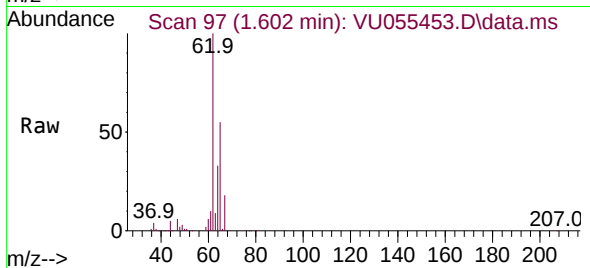
Tgt Ion: 50 Resp: 112328
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.9 42.5



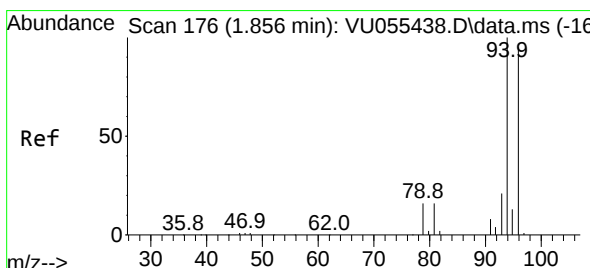
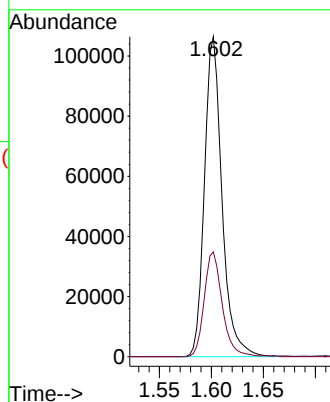
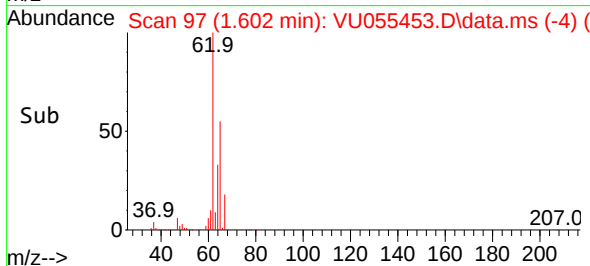


#5
 Vinyl chloride
 Concen: 4.660 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055453.D
 Acq: 22 Sep 2023 12:24

Instrument :
 MSVOA_U
 ClientSampleId :

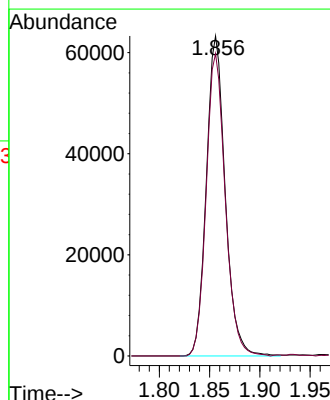
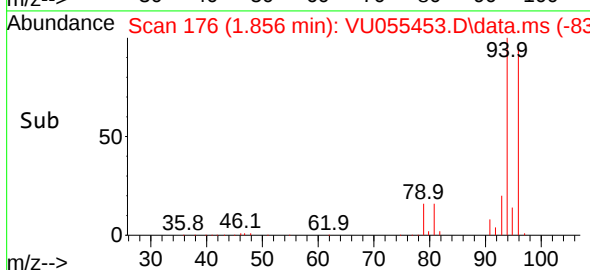
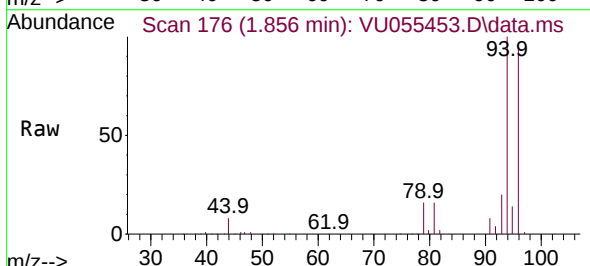


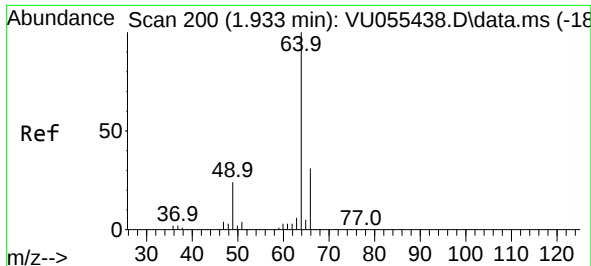
Tgt Ion: 62 Resp: 124814
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.3 41.5



#6
 Bromomethane
 Concen: 4.859 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU055453.D
 Acq: 22 Sep 2023 12:24

Tgt Ion: 94 Resp: 82657
 Ion Ratio Lower Upper
 94 100
 96 94.5 66.4 123.2

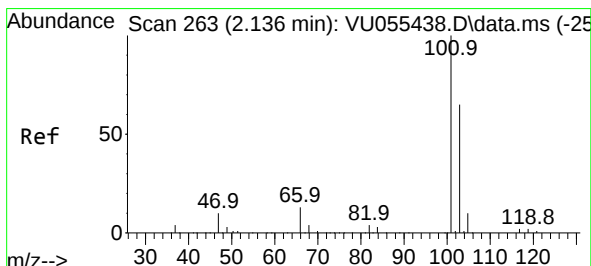
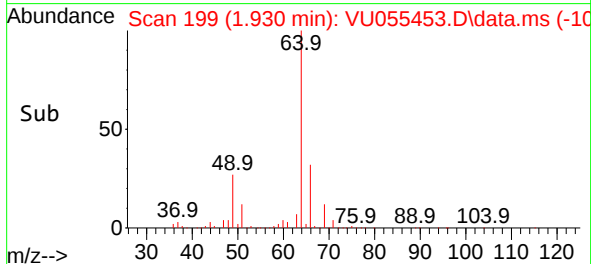
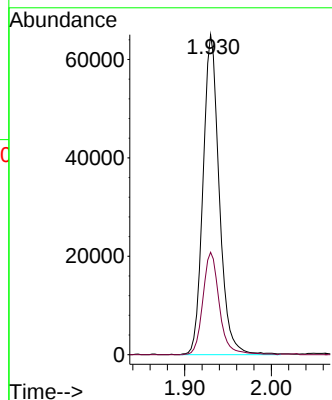
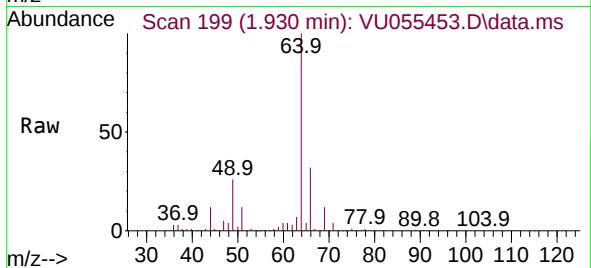




#8
Chloroethane
Concen: 4.847 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

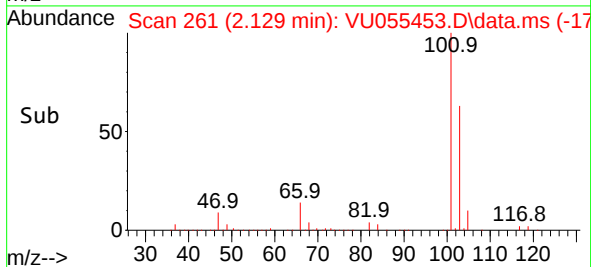
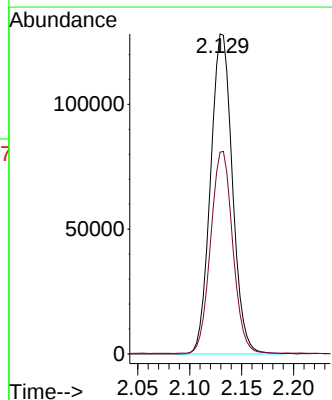
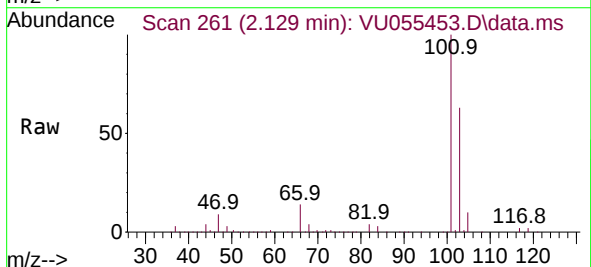
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ClientSampleId :

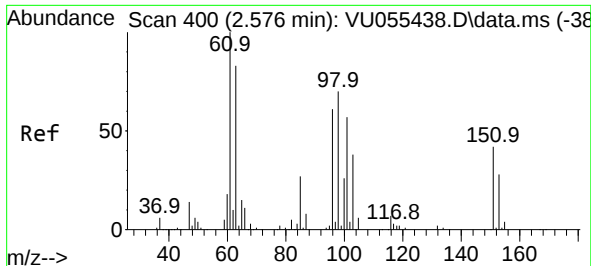
Tgt Ion: 64 Resp: 84717
Ion Ratio Lower Upper
64 100
66 32.0 23.7 44.1



#9
Trichlorofluoromethane
Concen: 5.045 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.006 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Tgt Ion:101 Resp: 187369
Ion Ratio Lower Upper
101 100
103 63.9 52.0 78.0

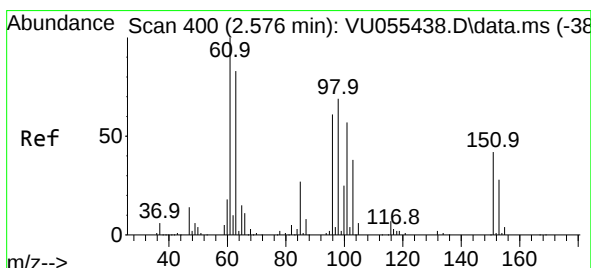
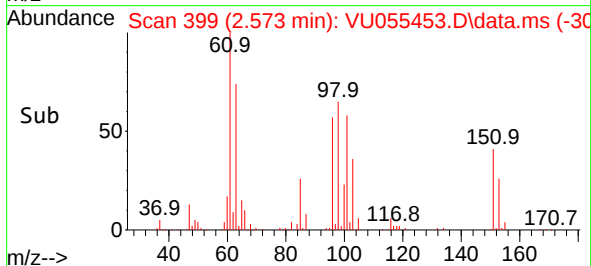
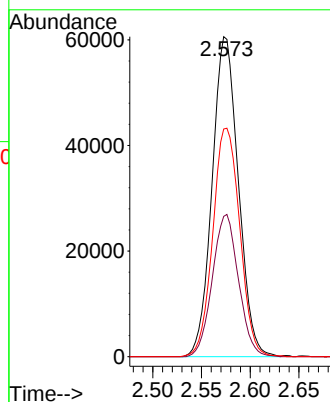
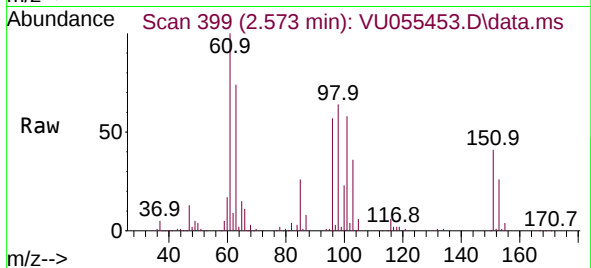




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.021 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU055453.D
 Acq: 22 Sep 2023 12:24

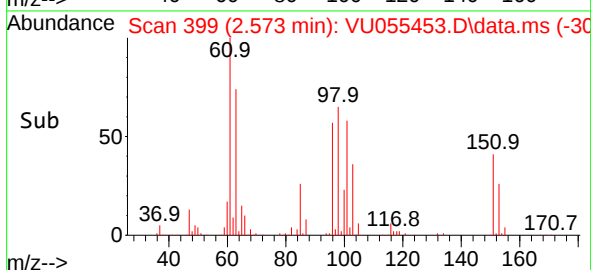
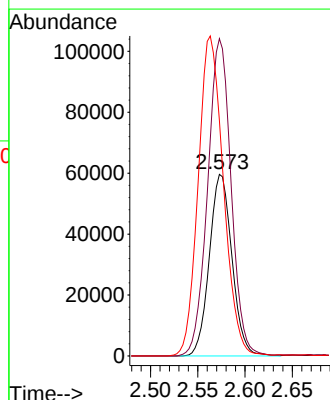
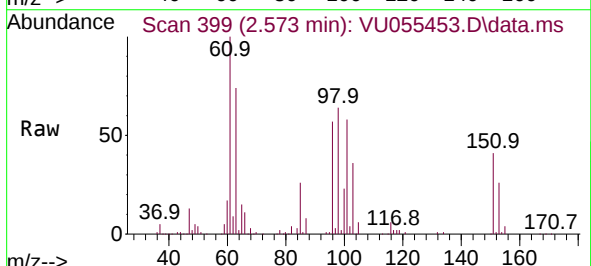
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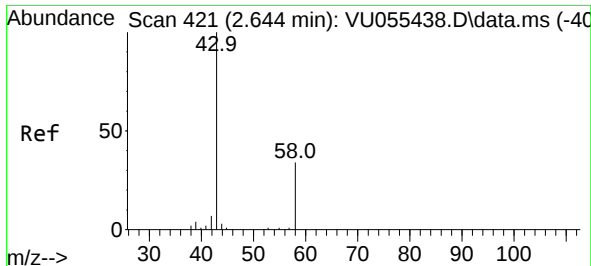
Tgt Ion:101 Resp: 113472
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.8 53.6
 151 73.5 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 4.897 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU055453.D
 Acq: 22 Sep 2023 12:24

Tgt Ion: 96 Resp: 99253
 Ion Ratio Lower Upper
 96 100
 61 174.7 114.5 212.7
 63 129.7 98.3 182.5





#13

Acetone

Concen: 48.878 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

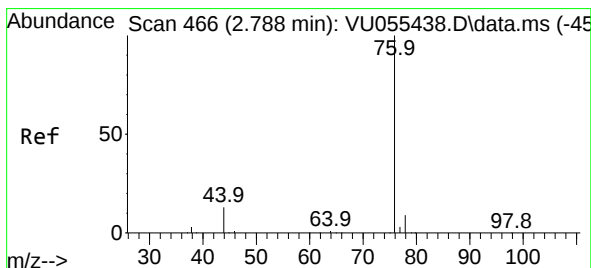
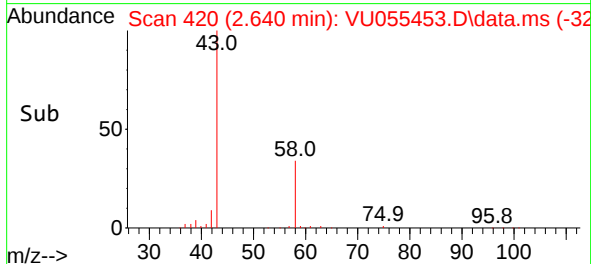
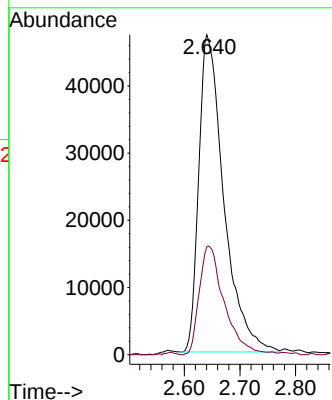
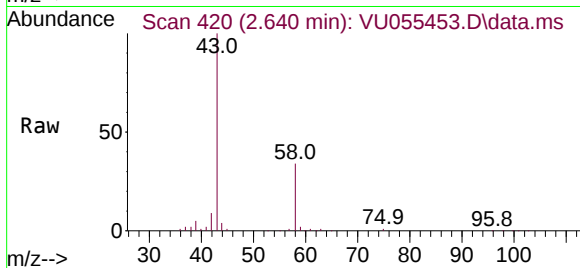
ClientSampleId :

Tgt Ion: 43 Resp: 147431

Ion Ratio Lower Upper

43 100

58 34.1 0.0 72.2



#14

Carbon disulfide

Concen: 4.991 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

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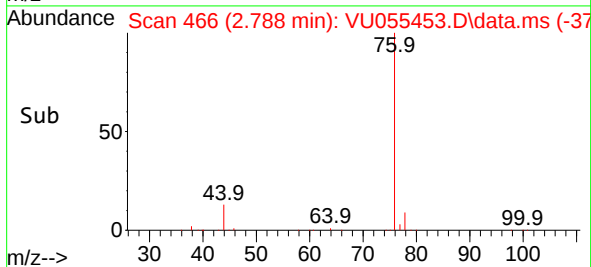
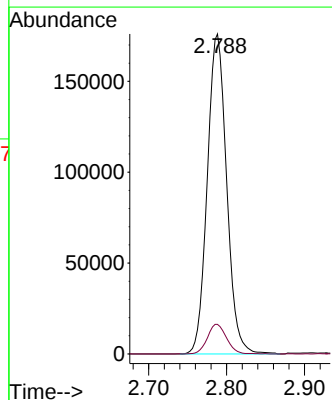
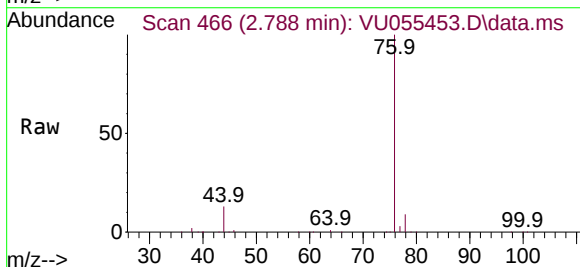
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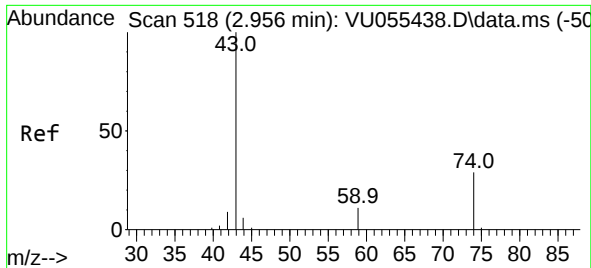
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Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5

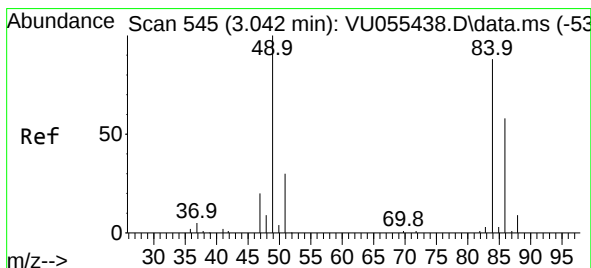
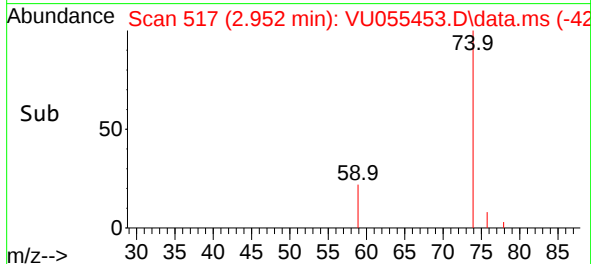
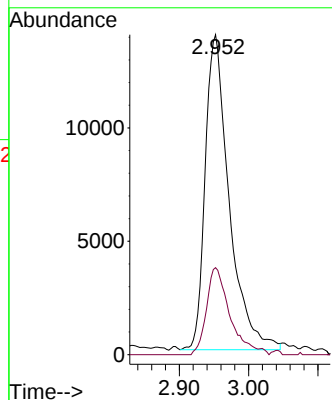
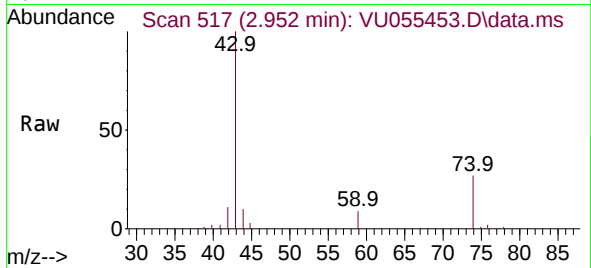




#15
Methyl Acetate
Concen: 4.853 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

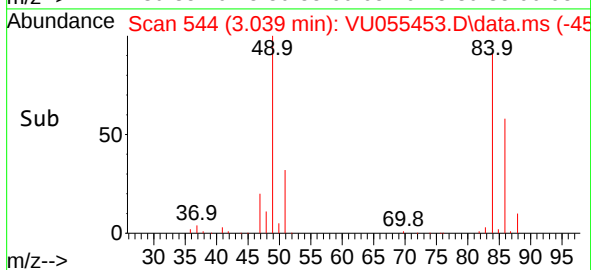
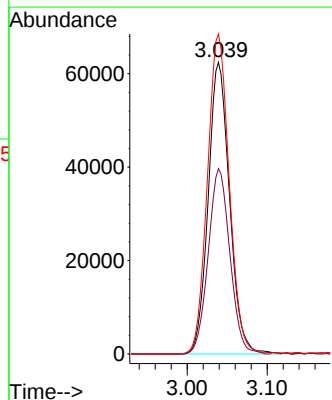
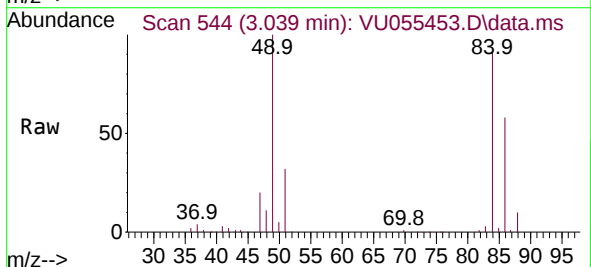
Instrument :
MSVOA_U
ClientSampleId :

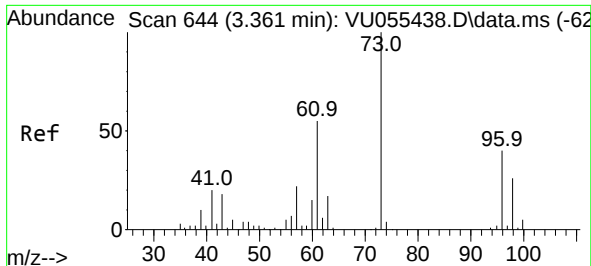
Tgt Ion: 43 Resp: 33376
Ion Ratio Lower Upper
43 100
74 26.9 22.3 33.5



#16
Methylene chloride
Concen: 4.777 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

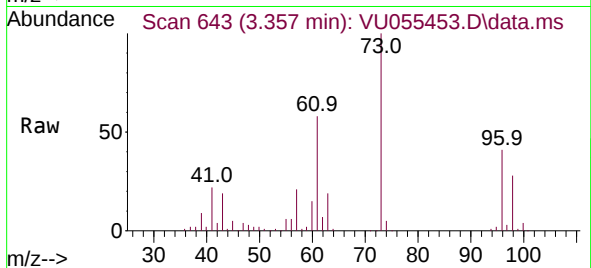
Tgt Ion: 84 Resp: 115987
Ion Ratio Lower Upper
84 100
86 63.5 44.9 83.3
49 109.7 78.8 146.3



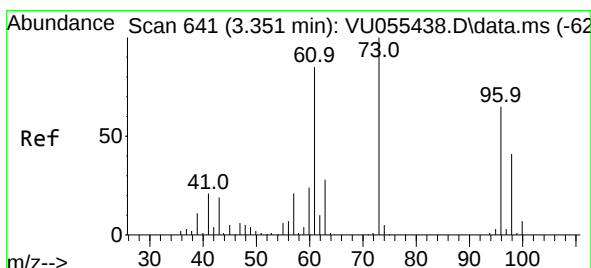
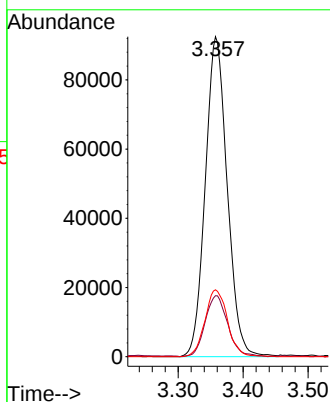
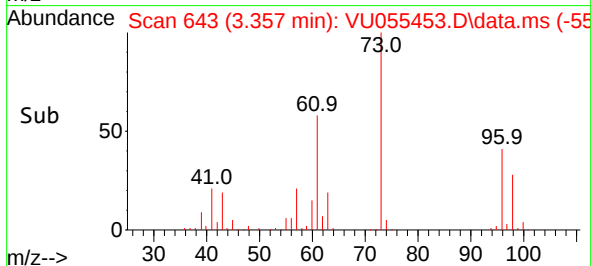


#17
Methyl tert-butyl Ether
Concen: 4.940 ug/L
RT: 3.357 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

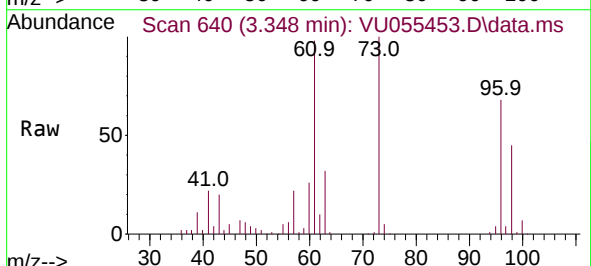
Instrument :
MSVOA_U
ClientSampleId :



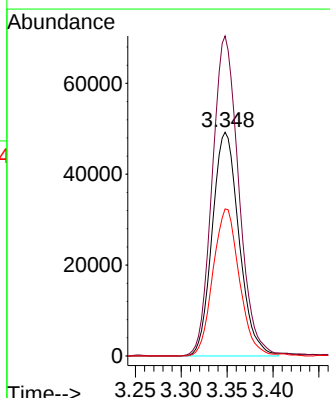
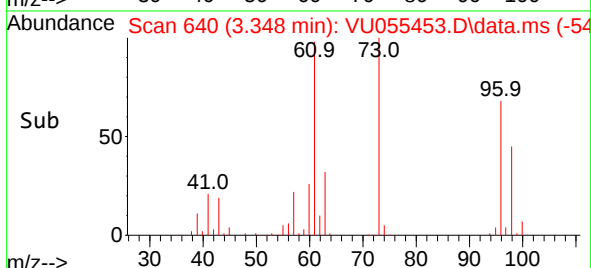
Tgt Ion: 73 Resp: 217168
Ion Ratio Lower Upper
73 100
43 19.8 14.9 22.3
57 21.5 17.3 25.9

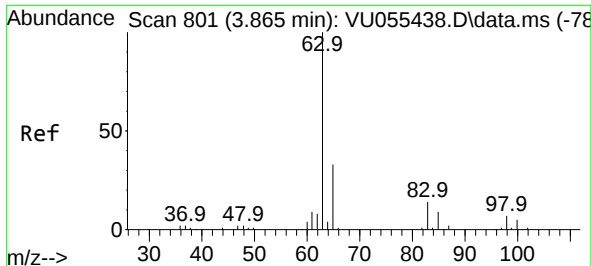


#18
trans-1,2-Dichloroethene
Concen: 4.904 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24



Tgt Ion: 96 Resp: 100176
Ion Ratio Lower Upper
96 100
61 143.1 94.6 175.6
98 65.8 45.7 84.9





#19

1,1-Dichloroethane

Concen: 5.101 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

ClientSampleId :

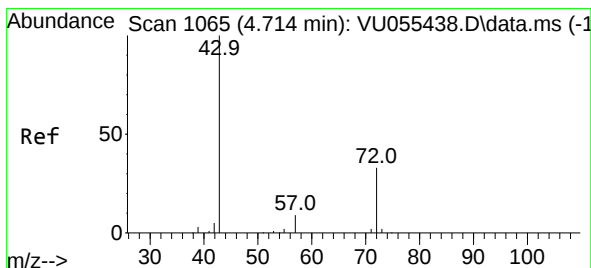
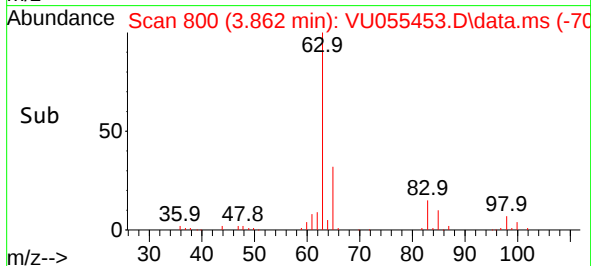
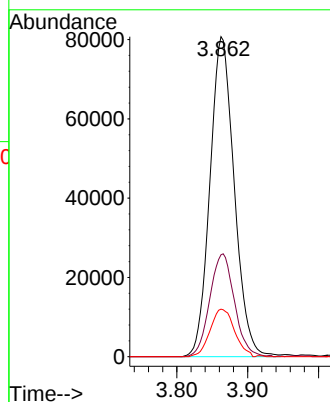
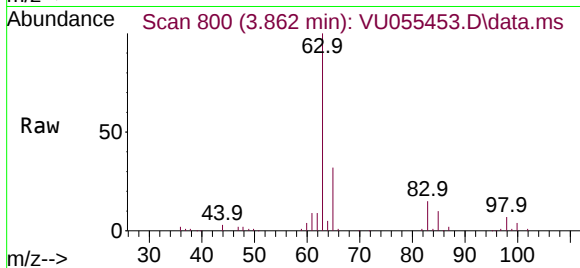
Tgt Ion: 63 Resp: 192680

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 14.8 10.1 18.9



#21

2-Butanone

Concen: 49.803 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. -0.003 min

Lab File: VU055453.D

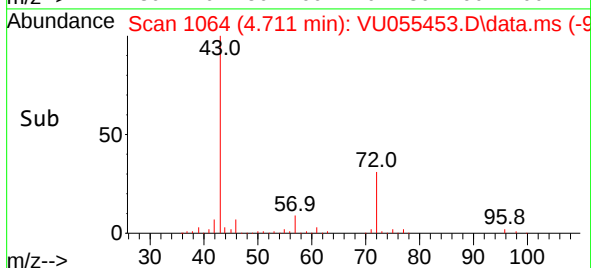
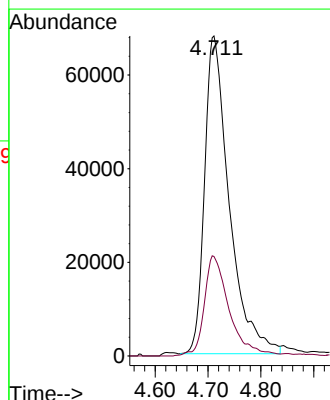
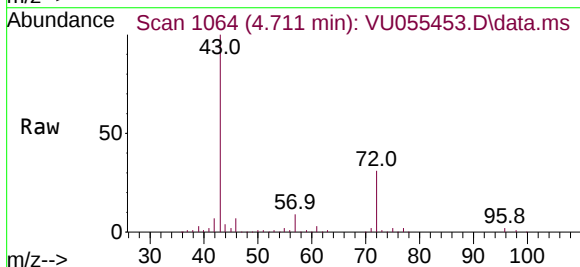
Acq: 22 Sep 2023 12:24

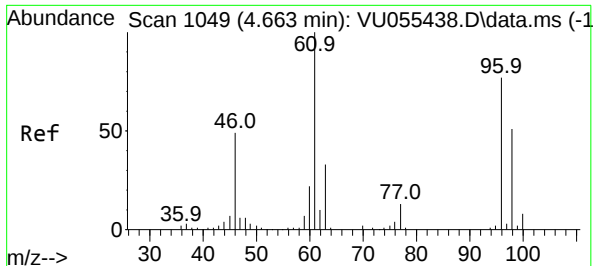
Tgt Ion: 43 Resp: 220326

Ion Ratio Lower Upper

43 100

72 31.7 15.1 45.3





#22

cis-1,2-Dichloroethene

Concen: 4.846 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

ClientSampleId :

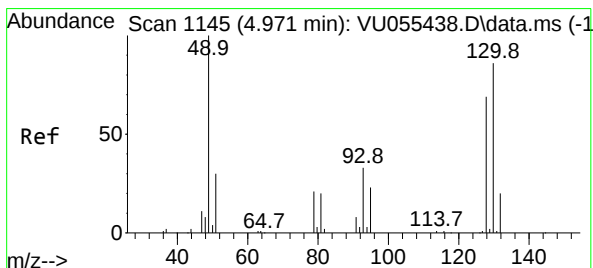
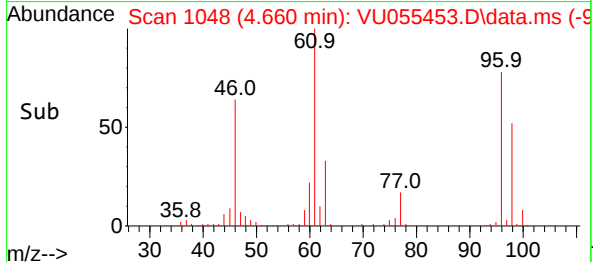
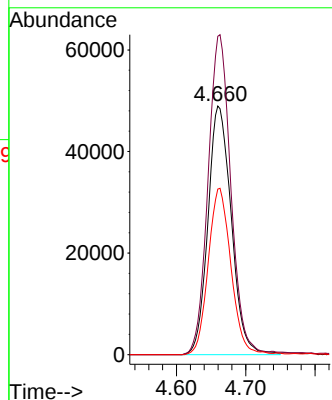
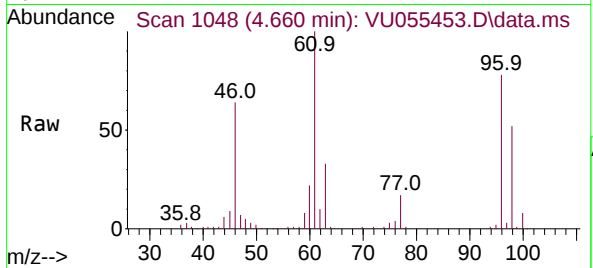
Tgt Ion: 96 Resp: 114767

Ion Ratio Lower Upper

96 100

61 128.0 87.8 163.2

98 66.6 44.4 82.4



#23

Bromochloromethane

Concen: 5.014 ug/L

RT: 4.971 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Tgt Ion:128 Resp: 50194

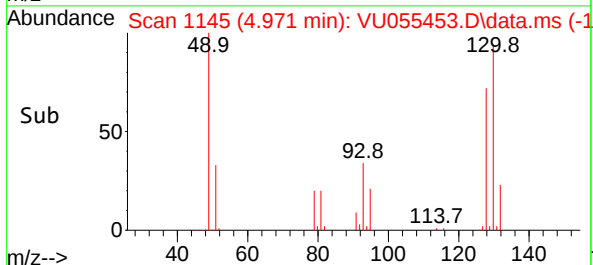
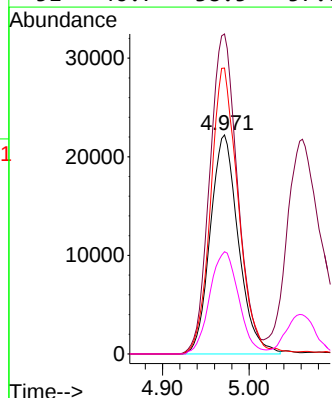
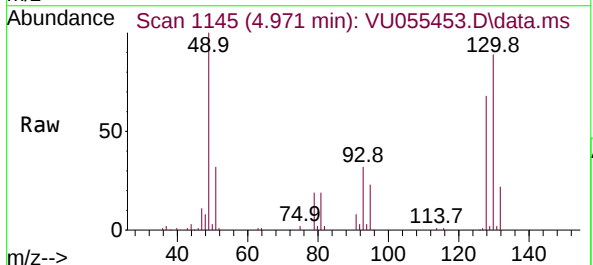
Ion Ratio Lower Upper

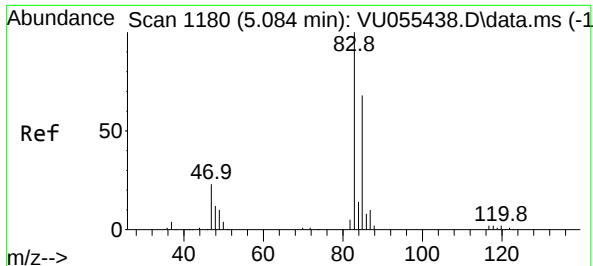
128 100

49 146.1 102.8 191.0

130 130.5 89.9 166.9

51 46.7 38.5 57.7





#25

Chloroform

Concen: 5.226 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

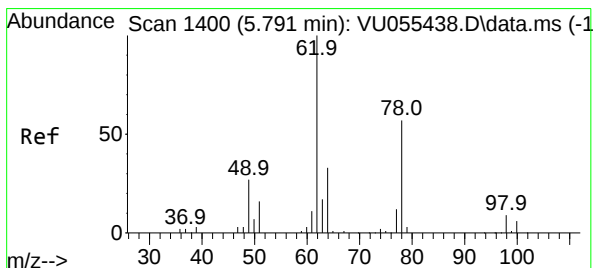
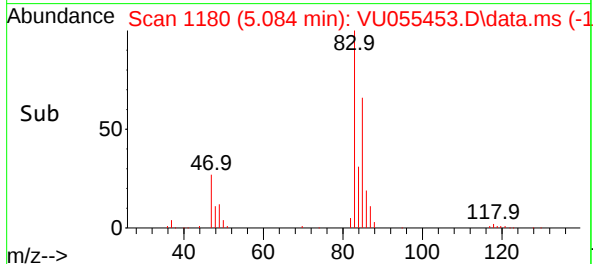
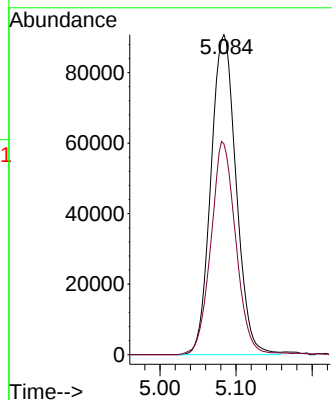
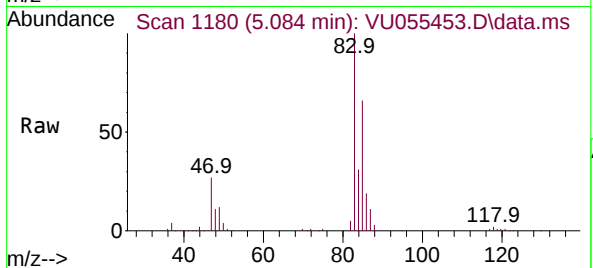
ClientSampleId :

Tgt Ion: 83 Resp: 209032

Ion Ratio Lower Upper

83 100

85 65.9 44.9 83.5



#27

1,2-Dichloroethane

Concen: 5.166 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055453.D

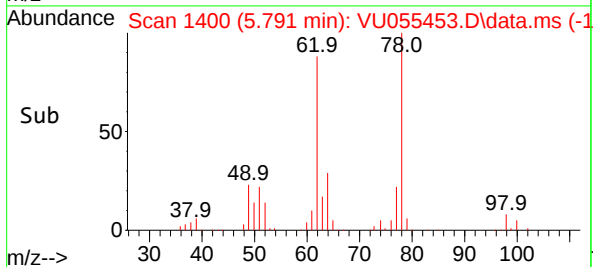
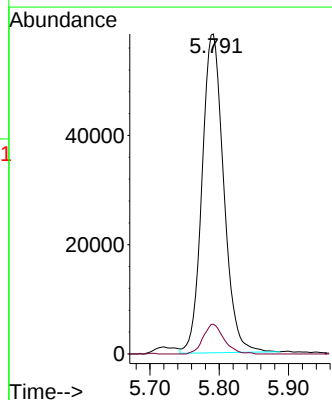
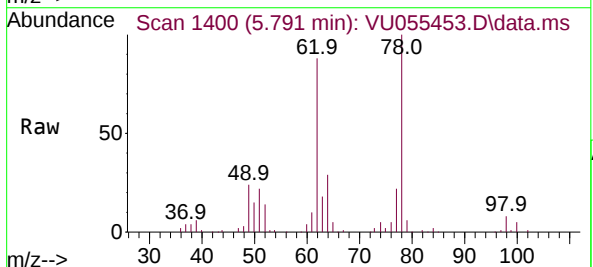
Acq: 22 Sep 2023 12:24

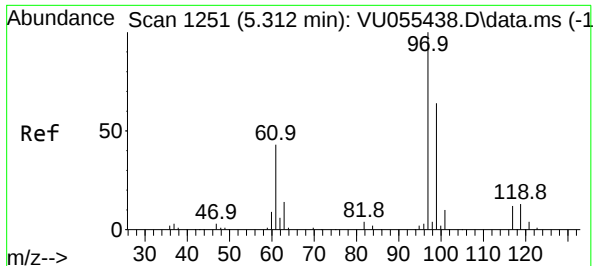
Tgt Ion: 62 Resp: 126713

Ion Ratio Lower Upper

62 100

98 9.3 7.0 10.4

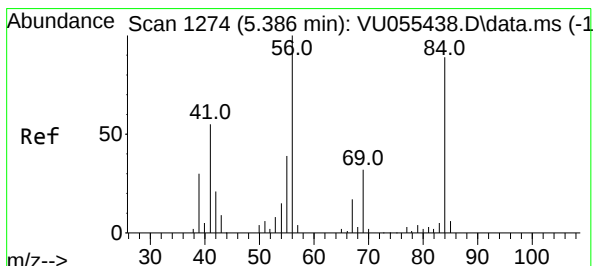
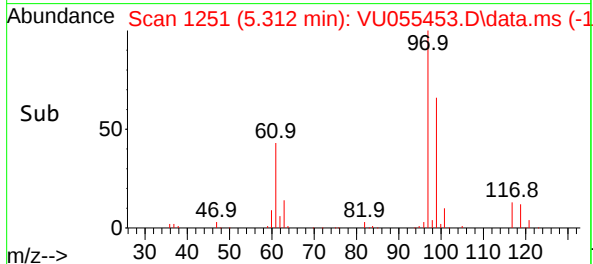
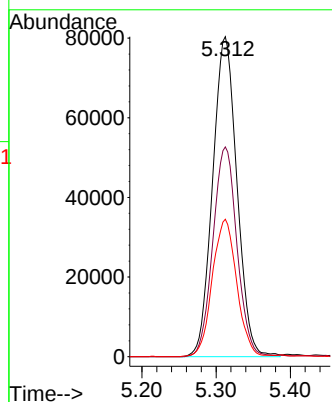
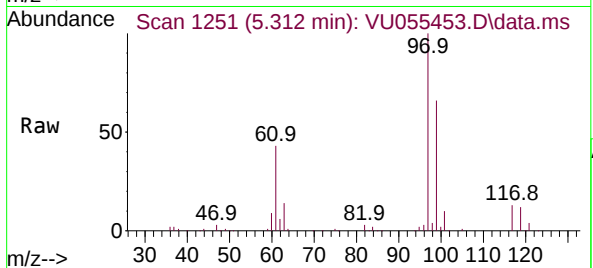




#29
1,1,1-Trichloroethane
Concen: 5.497 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

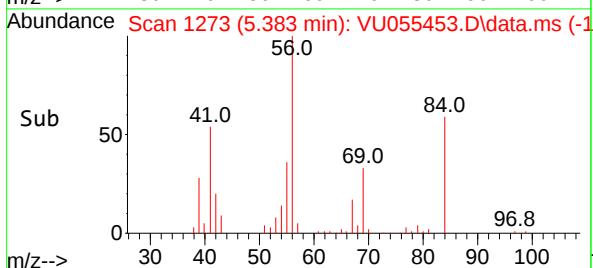
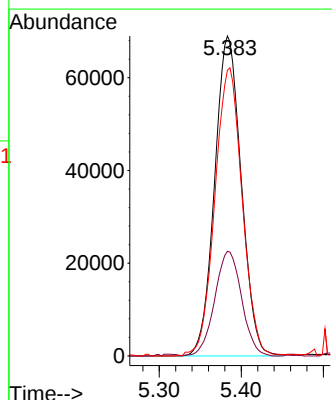
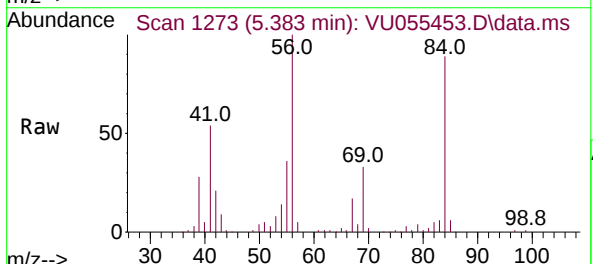
Instrument :
MSVOA_U
ClientSampleId :

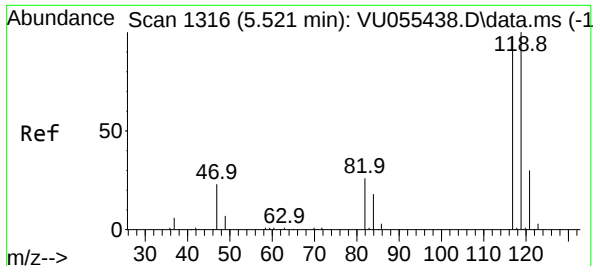
Tgt Ion: 97 Resp: 182990
Ion Ratio Lower Upper
97 100
99 64.9 50.7 76.1
61 43.2 34.6 51.8



#30
Cyclohexane
Concen: 5.104 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Tgt Ion: 56 Resp: 155522
Ion Ratio Lower Upper
56 100
69 33.0 26.5 39.7
84 92.4 72.6 108.8

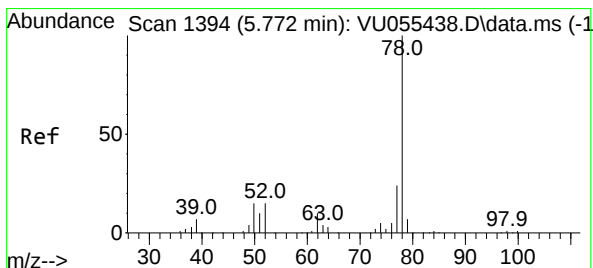
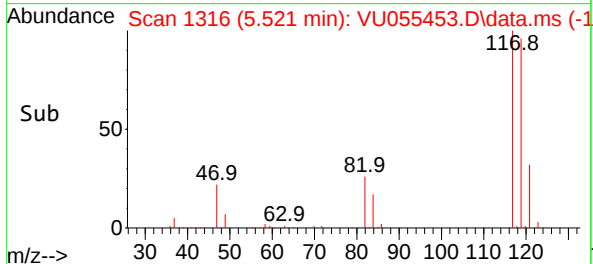
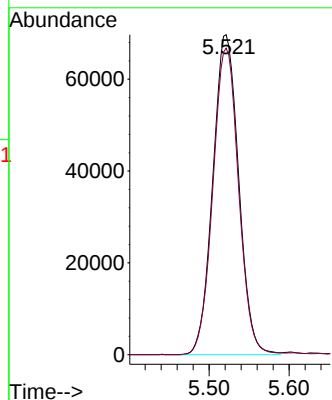
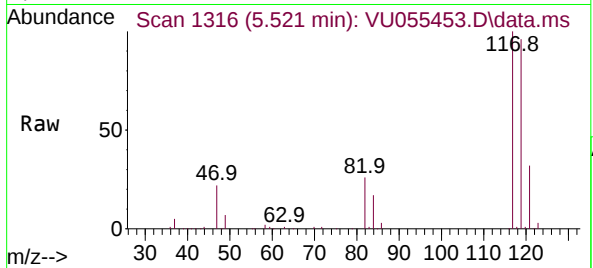




#31
Carbon tetrachloride
Concen: 5.479 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

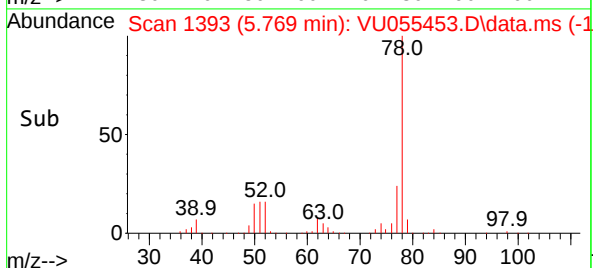
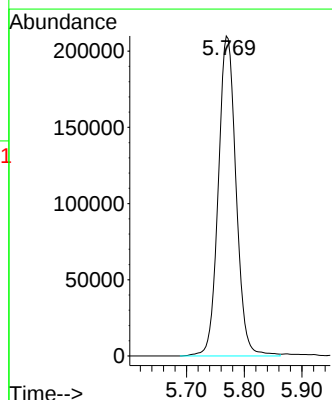
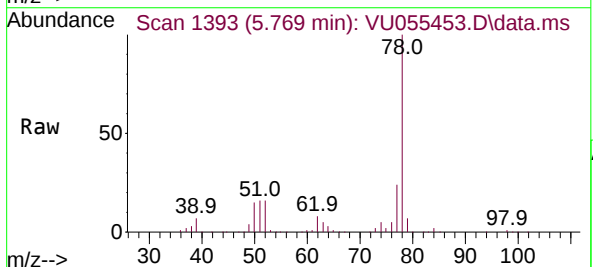
Instrument :
MSVOA_U
ClientSampleId :

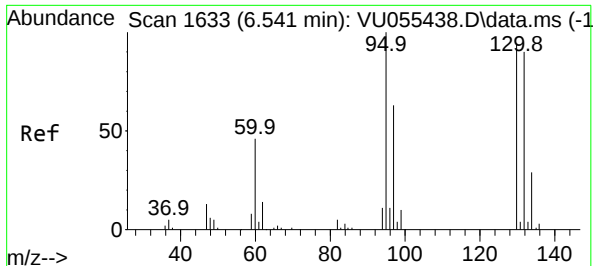
Tgt Ion:117 Resp: 156321
Ion Ratio Lower Upper
117 100
119 95.4 75.2 112.8



#33
Benzene
Concen: 5.343 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Tgt Ion: 78 Resp: 448991

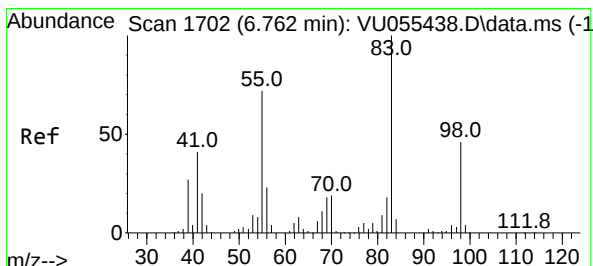
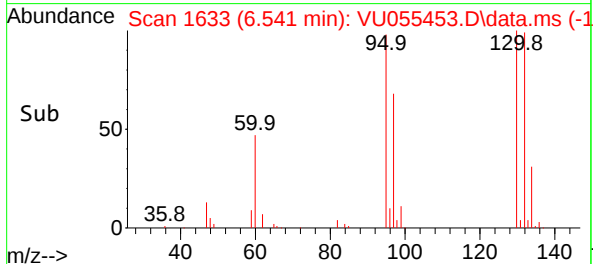
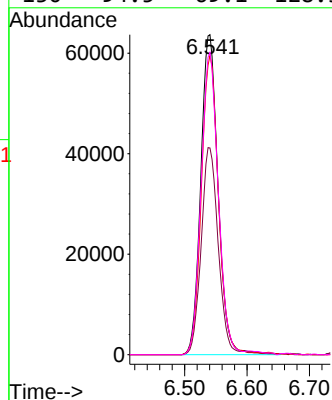
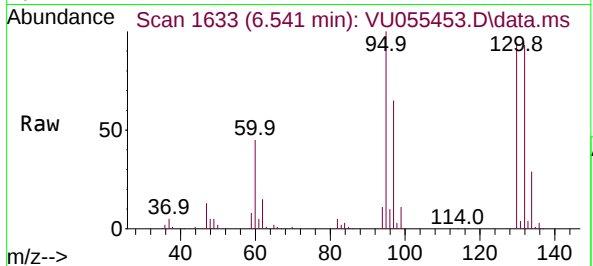




#34
Trichloroethene
Concen: 5.174 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

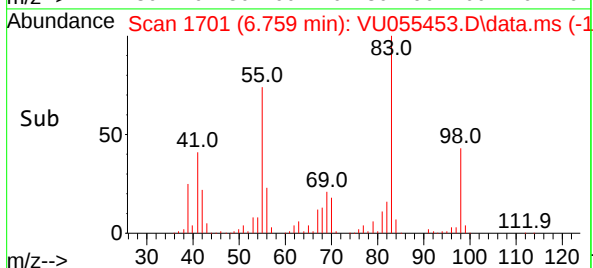
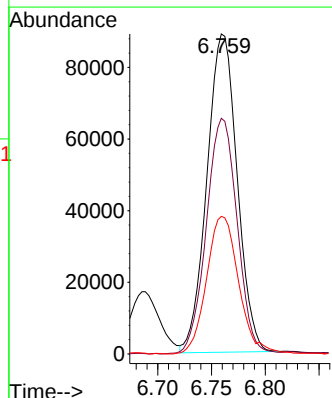
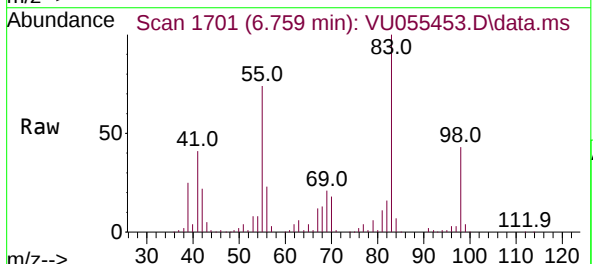
Instrument :
MSVOA_U
ClientSampleId :

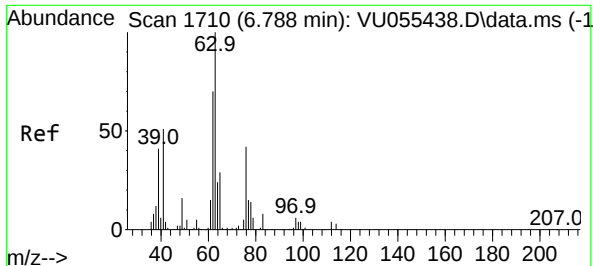
Tgt Ion: 95 Resp: 122992
Ion Ratio Lower Upper
95 100
97 64.6 45.4 84.2
132 93.5 65.2 121.2
130 94.5 69.1 128.3



#35
Methylcyclohexane
Concen: 5.084 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Tgt Ion: 83 Resp: 174099
Ion Ratio Lower Upper
83 100
55 75.5 59.1 88.7
98 45.9 36.3 54.5

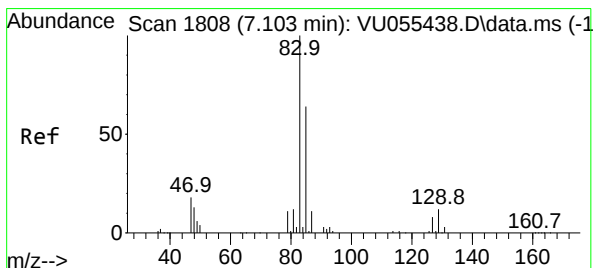
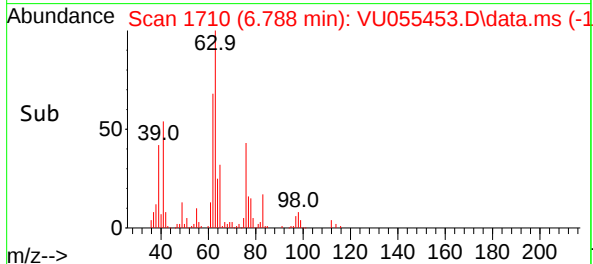
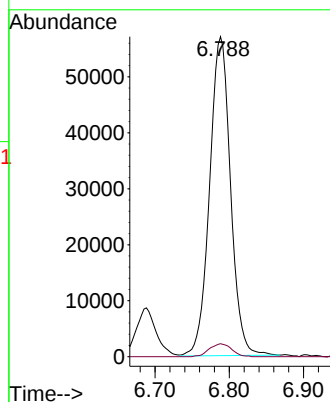
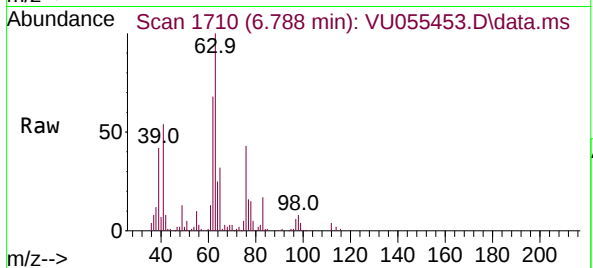




#37
1,2-Dichloropropane
Concen: 5.079 ug/L
RT: 6.788 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

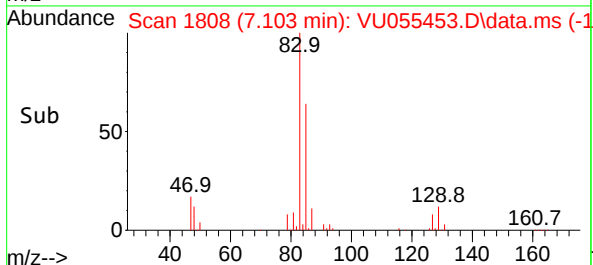
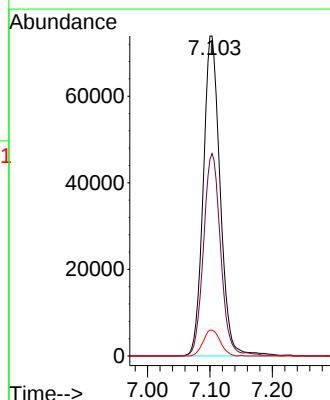
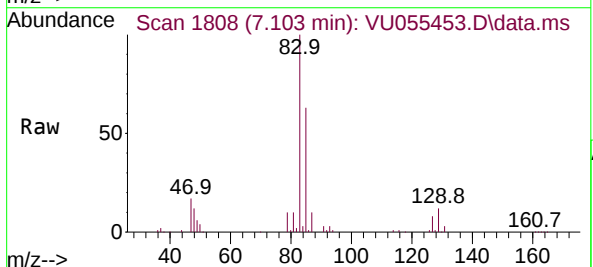
Instrument :
MSVOA_U
ClientSampleId :

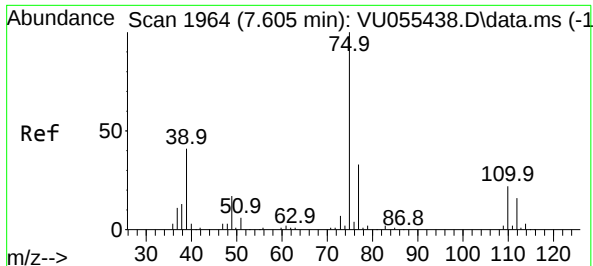
Tgt Ion: 63 Resp: 111639
Ion Ratio Lower Upper
63 100
112 4.3 3.0 4.6



#38
Bromodichloromethane
Concen: 5.407 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Tgt Ion: 83 Resp: 139269
Ion Ratio Lower Upper
83 100
85 63.3 46.8 86.8
127 8.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.373 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

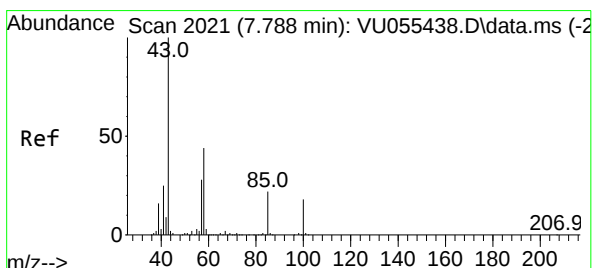
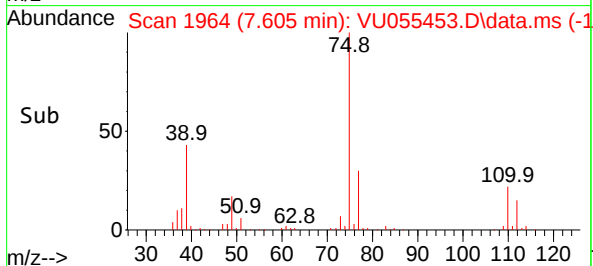
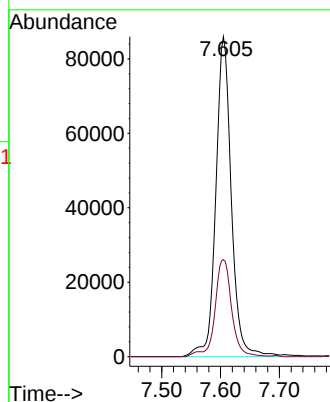
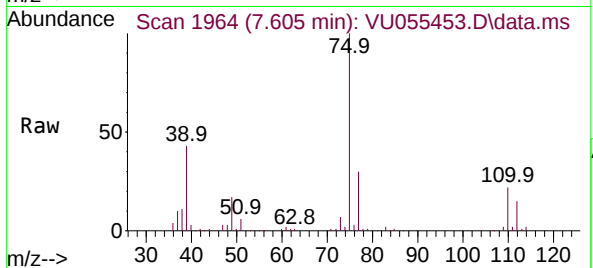
ClientSampleId :

Tgt Ion: 75 Resp: 157605

Ion Ratio Lower Upper

75 100

77 30.3 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 51.702 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

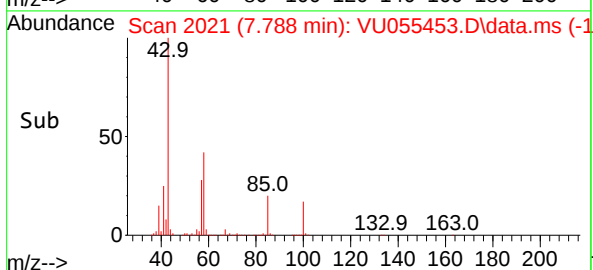
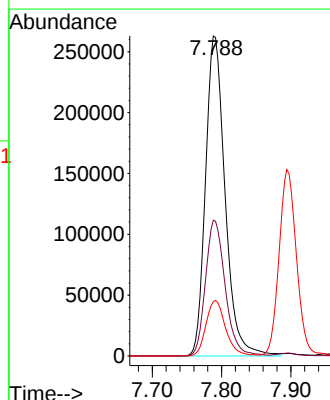
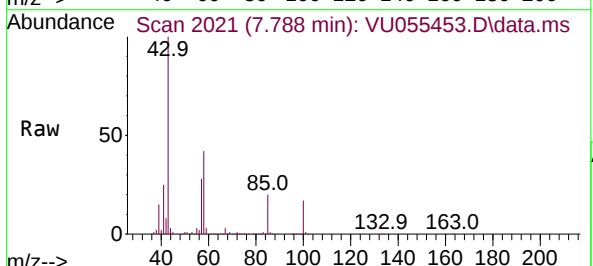
Tgt Ion: 43 Resp: 515465

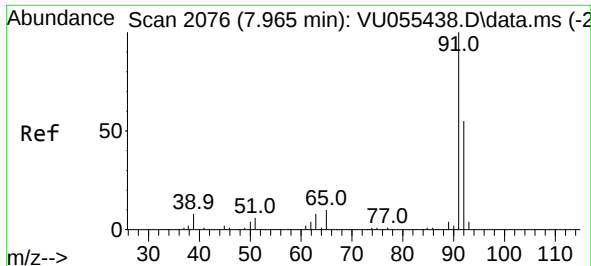
Ion Ratio Lower Upper

43 100

58 42.7 34.2 51.4

100 17.4 13.4 20.0





#42

Toluene

Concen: 5.331 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

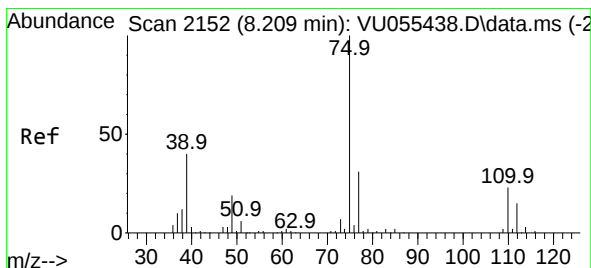
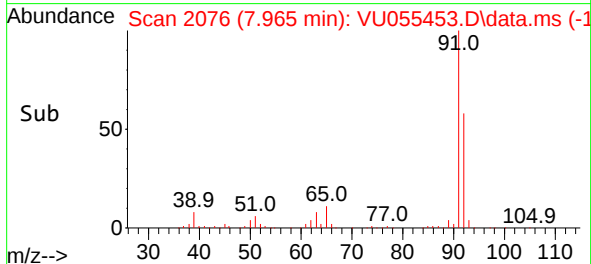
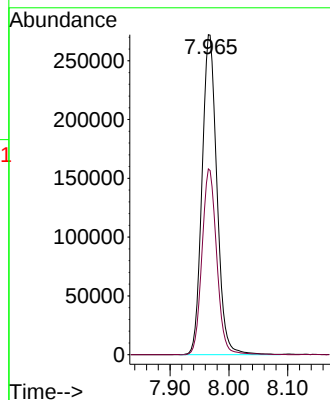
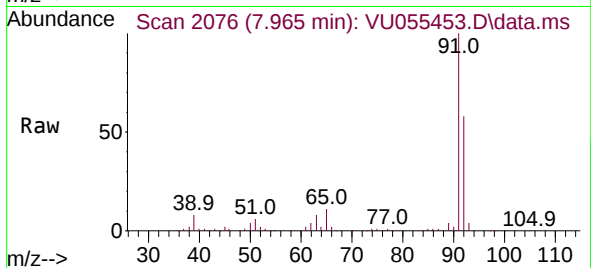
ClientSampleId :

Tgt Ion: 91 Resp: 477850

Ion Ratio Lower Upper

91 100

92 58.1 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.477 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VU055453.D

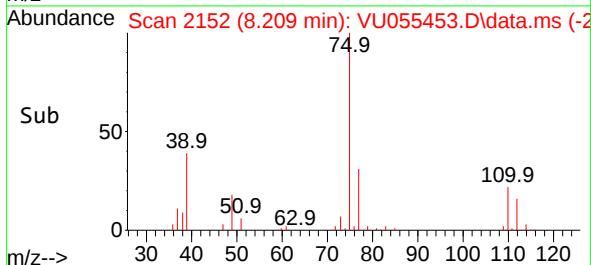
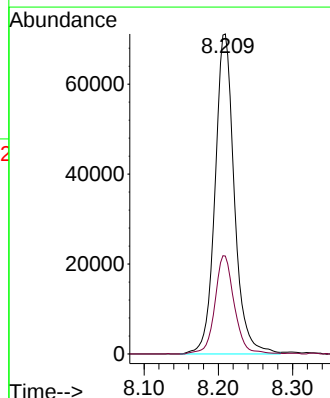
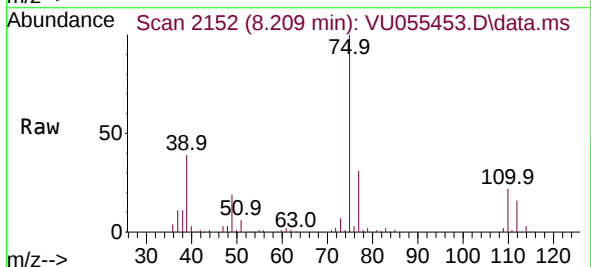
Acq: 22 Sep 2023 12:24

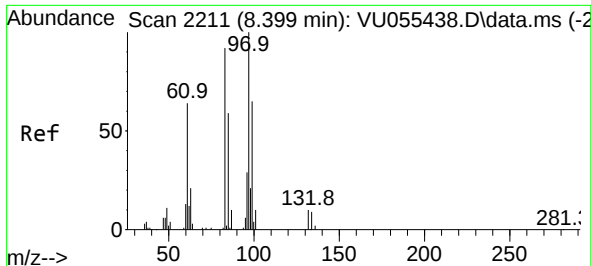
Tgt Ion: 75 Resp: 128540

Ion Ratio Lower Upper

75 100

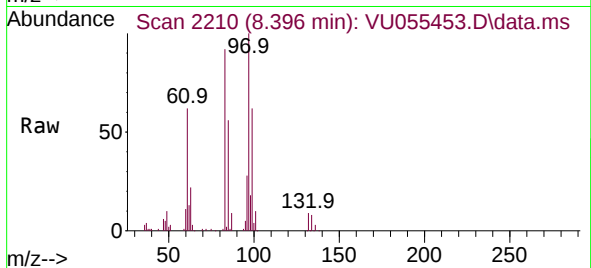
77 30.6 21.8 40.4



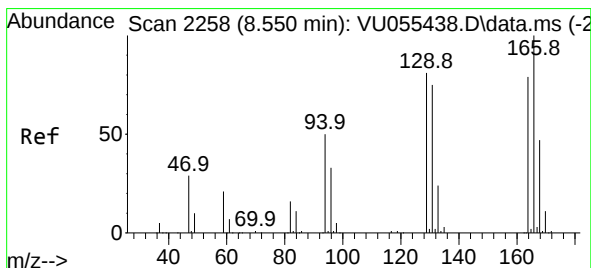
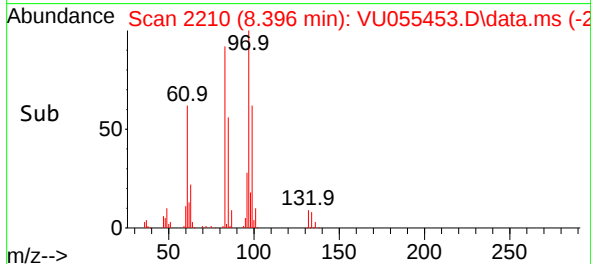
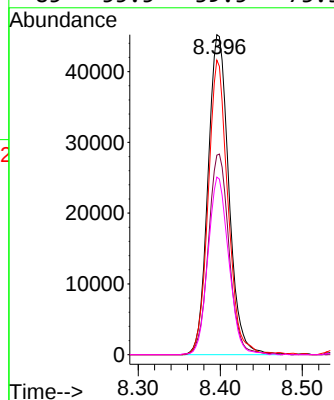


#45
1,1,2-Trichloroethane
Concen: 5.191 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.003 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Instrument :
MSVOA_U
ClientSampleId :

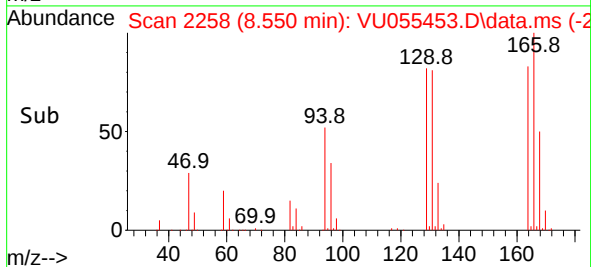
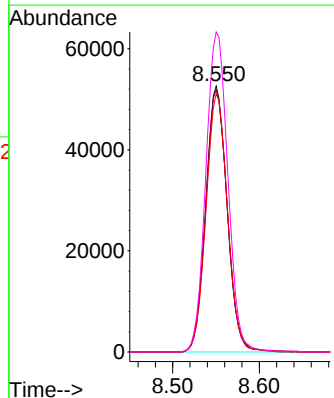
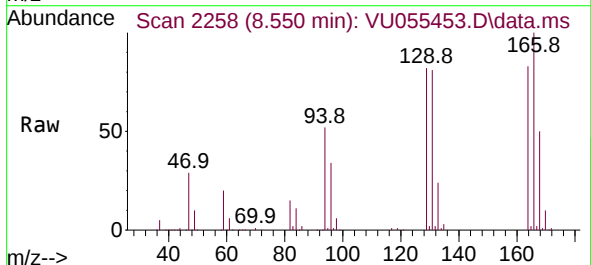


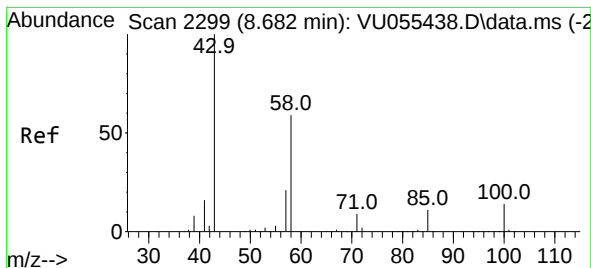
Tgt Ion: 97	Resp: 79988
Ion Ratio	Lower Upper
97 100	
99 62.4	44.1 81.9
83 92.1	61.5 114.1
85 55.5	39.5 73.3



#47
Tetrachloroethene
Concen: 5.284 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Tgt	Ion:164	Resp:	90103
Ion	Ratio	Lower	Upper
164	100		
129	98.6	67.4	125.2
131	97.1	66.4	123.2
166	120.4	88.8	165.0





#48

2-Hexanone

Concen: 52.371 ug/L

RT: 8.685 min Scan# 21

Delta R.T. 0.003 min

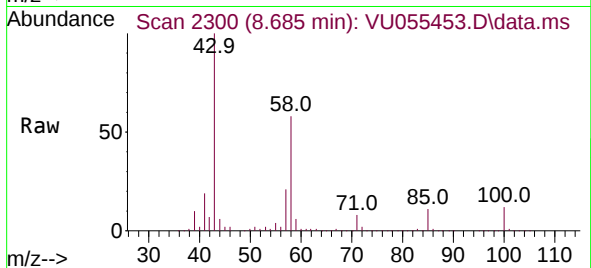
Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 404662

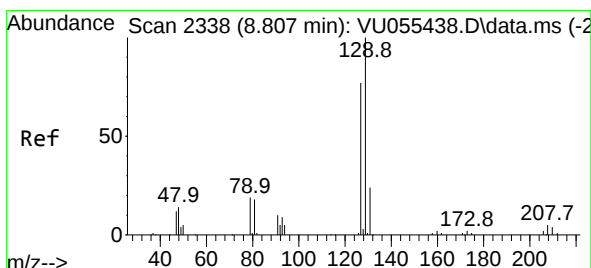
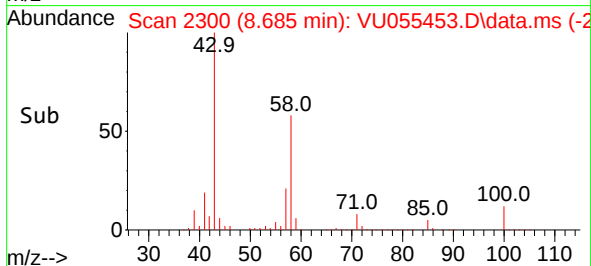
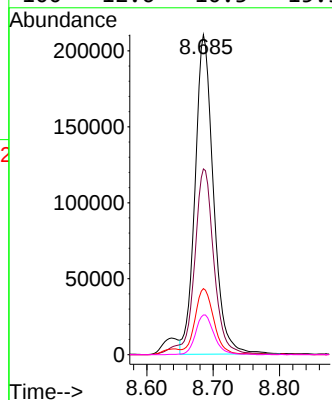
Ion Ratio Lower Upper

43 100

58 62.1 48.5 72.7

57 20.8 17.0 25.4

100 12.6 10.3 15.5



#49

Dibromochloromethane

Concen: 5.296 ug/L

RT: 8.807 min Scan# 2338

Delta R.T. -0.000 min

Lab File: VU055453.D

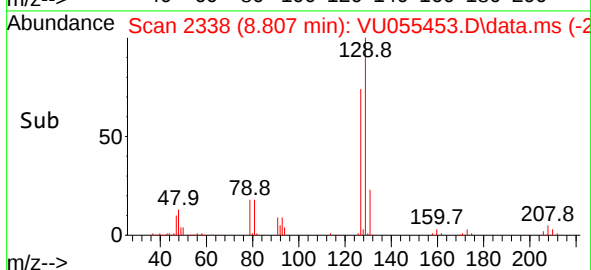
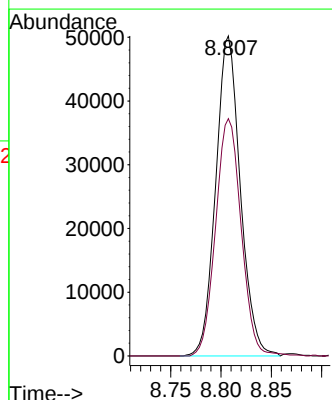
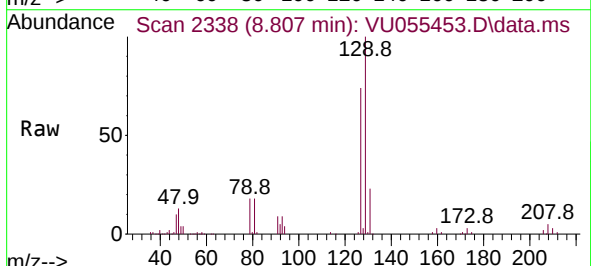
Acq: 22 Sep 2023 12:24

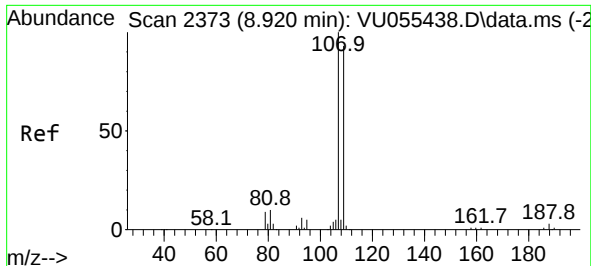
Tgt Ion:129 Resp: 85561

Ion Ratio Lower Upper

129 100

127 74.1 56.8 105.6





#50

1,2-Dibromoethane

Concen: 5.105 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

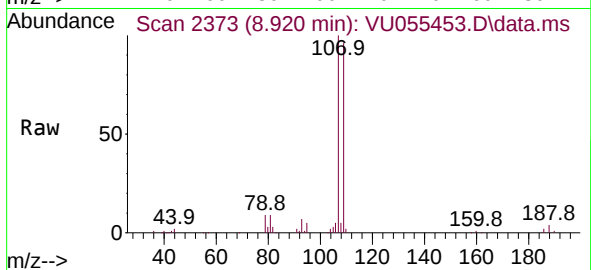
Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

ClientSampleId :



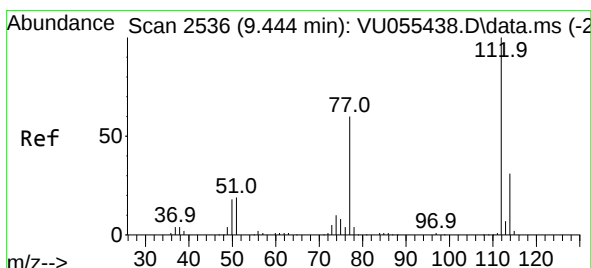
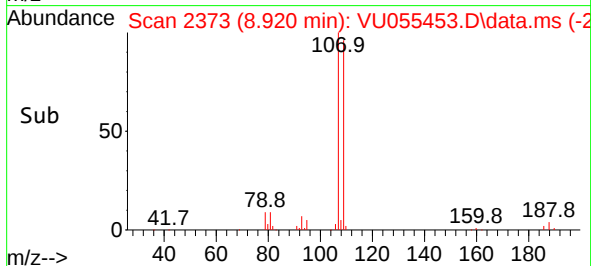
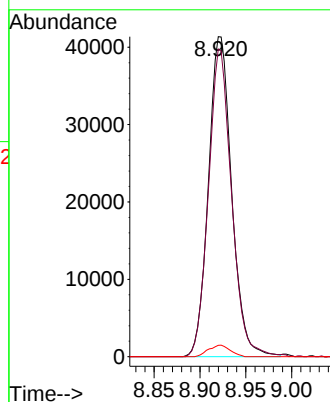
Tgt Ion:107 Resp: 73012

Ion Ratio Lower Upper

107 100

109 96.1 66.1 122.8

188 3.6 3.2 4.8



#51

Chlorobenzene

Concen: 5.096 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

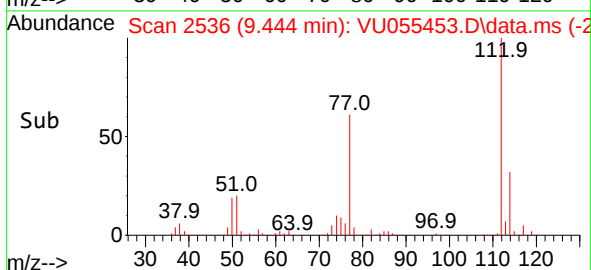
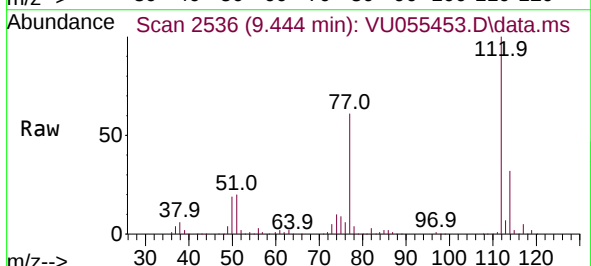
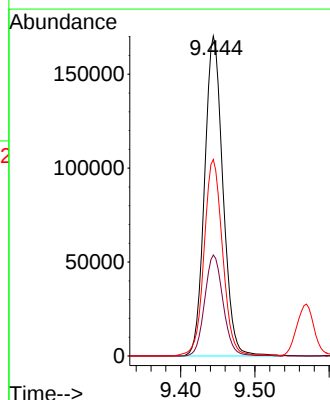
Tgt Ion:112 Resp: 292570

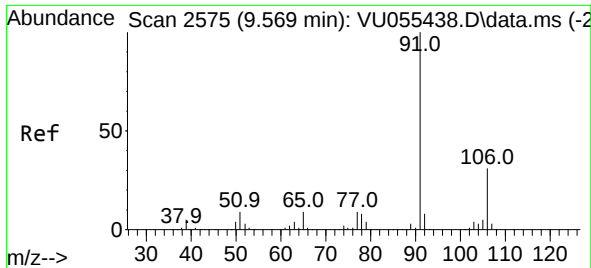
Ion Ratio Lower Upper

112 100

114 31.6 22.0 40.8

77 61.4 46.9 70.3

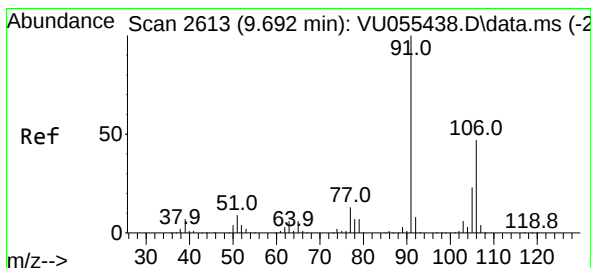
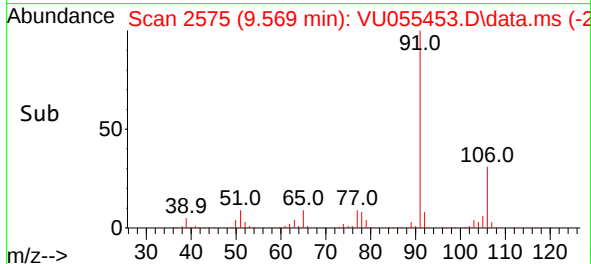
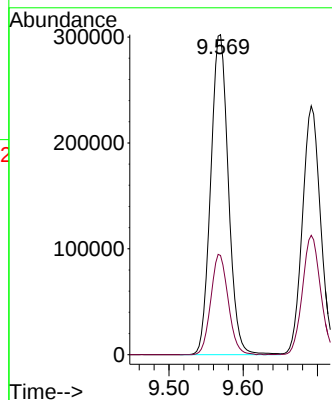
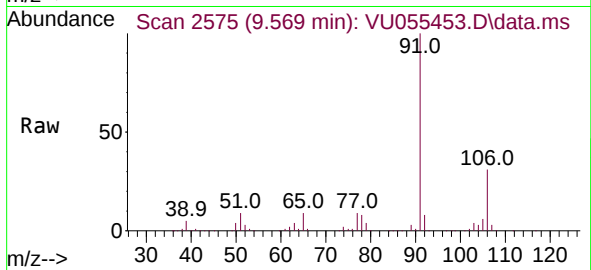




#52
Ethylbenzene
Concen: 5.189 ug/L
RT: 9.569 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

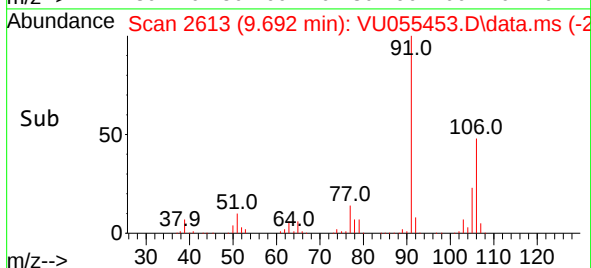
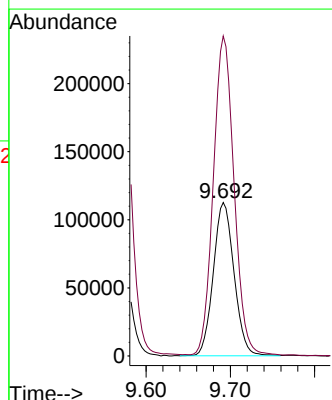
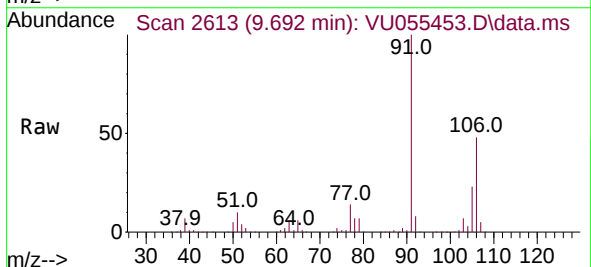
Instrument :
MSVOA_U
ClientSampleId :

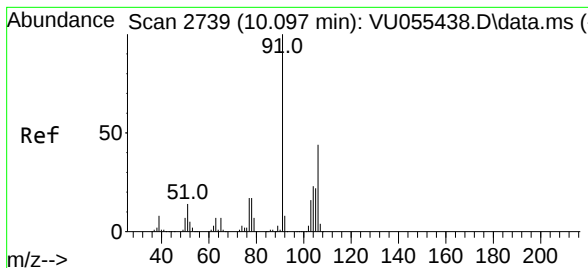
Tgt Ion: 91 Resp: 498672
Ion Ratio Lower Upper
91 100
106 31.0 22.4 41.6



#53
m,p-Xylene
Concen: 5.327 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Tgt Ion: 106 Resp: 191835
Ion Ratio Lower Upper
106 100
91 208.5 144.8 269.0





#54

o-Xylene

Concen: 5.232 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

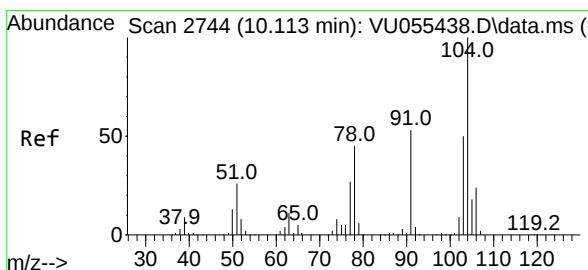
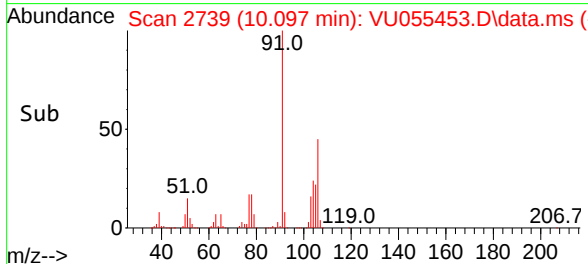
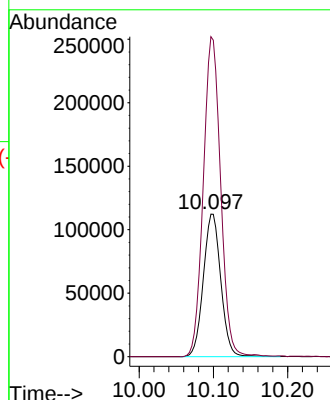
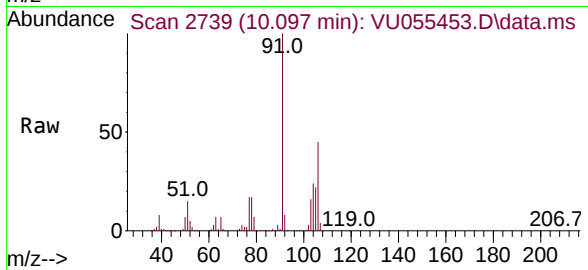
ClientSampleId :

Tgt Ion:106 Resp: 183184

Ion Ratio Lower Upper

106 100

91 224.5 157.6 292.8



#55

Styrene

Concen: 5.432 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VU055453.D

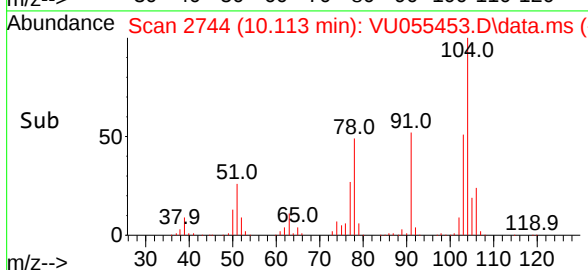
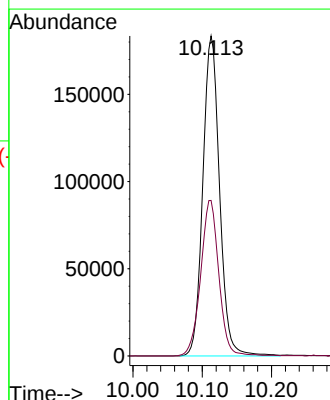
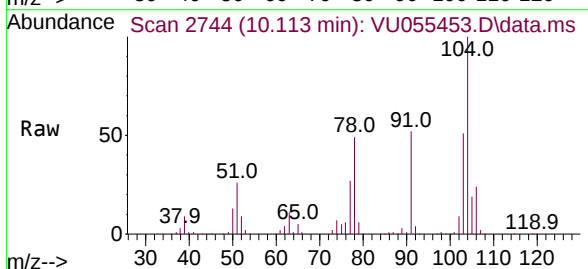
Acq: 22 Sep 2023 12:24

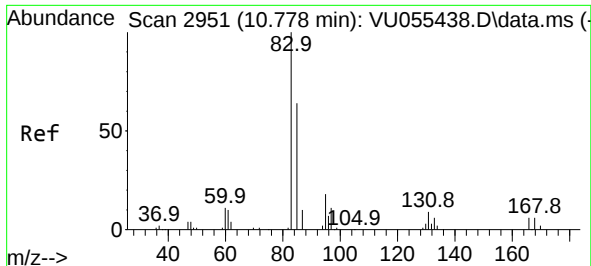
Tgt Ion:104 Resp: 307565

Ion Ratio Lower Upper

104 100

78 48.6 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.112 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055453.D

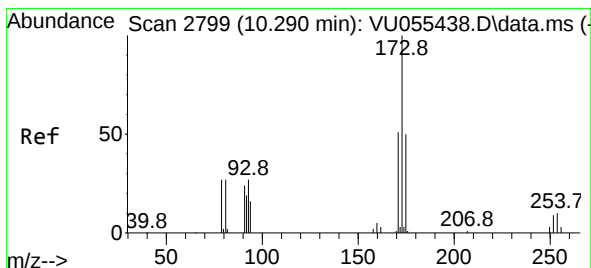
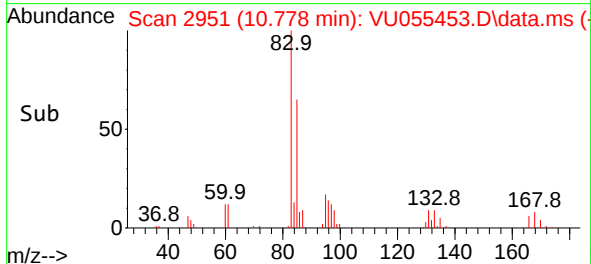
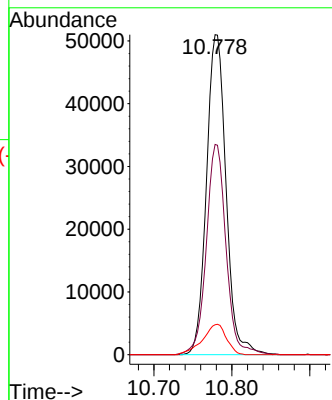
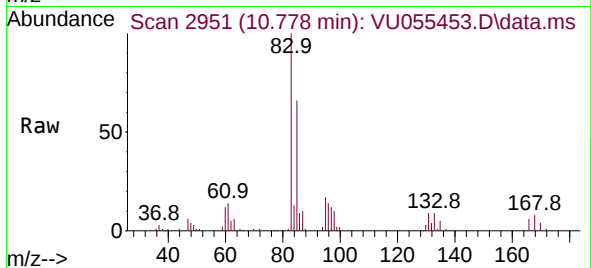
Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	88934
Ion	Ratio	Lower	Upper
83	100		
85	65.7	44.4	82.5
131	9.4	7.4	11.2



#59

Bromoform

Concen: 5.465 ug/L

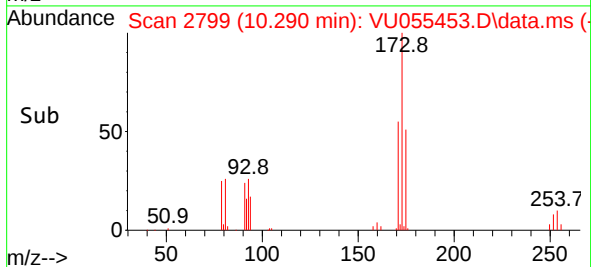
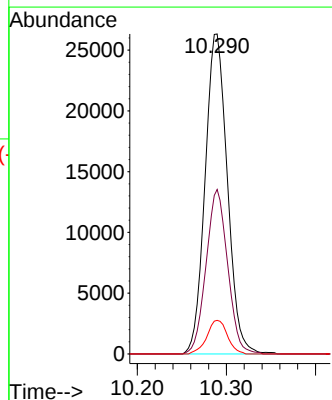
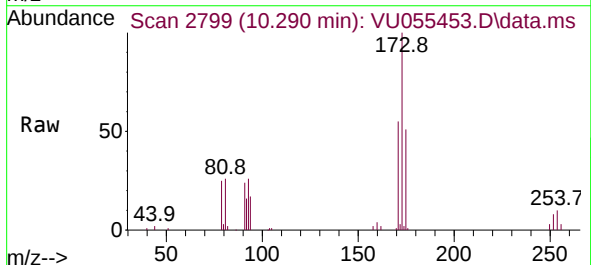
RT: 10.290 min Scan# 2799

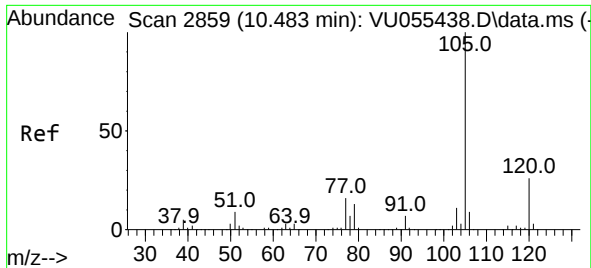
Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Tgt Ion:	173	Resp:	45654
Ion	Ratio	Lower	Upper
173	100		
175	49.8	39.4	59.2
254	9.7	7.3	10.9

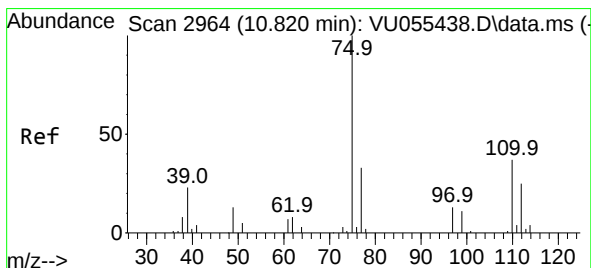
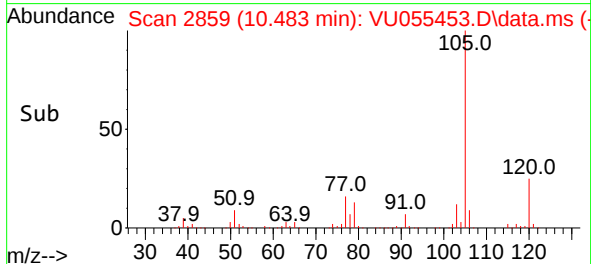
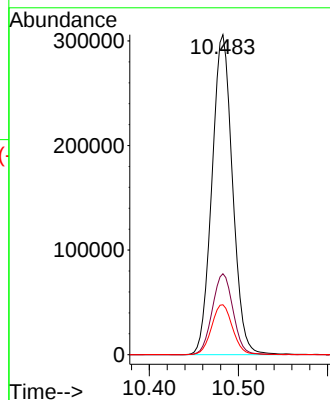
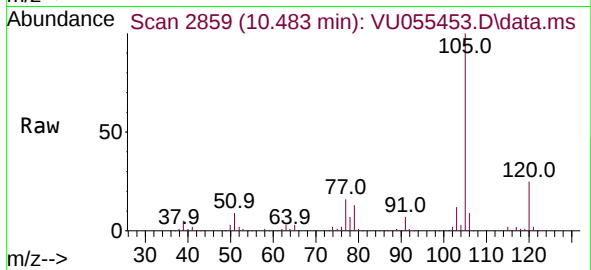




#60
Isopropylbenzene
Concen: 5.460 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

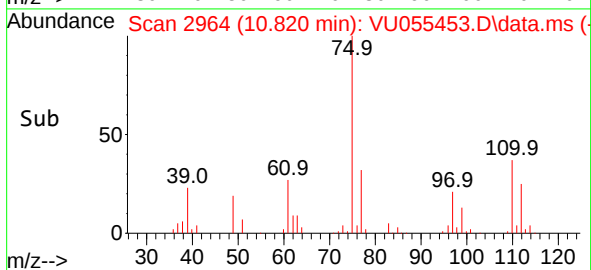
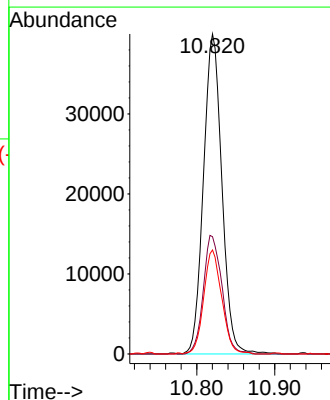
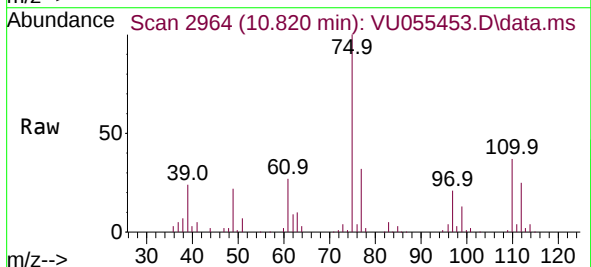
Instrument :
MSVOA_U
ClientSampleId :

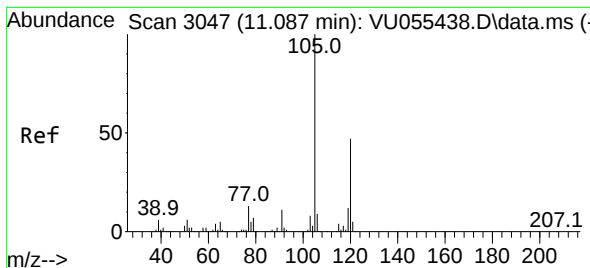
Tgt Ion:105 Resp: 490438
Ion Ratio Lower Upper
105 100
120 25.6 20.8 31.2
77 16.0 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.401 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Tgt Ion: 75 Resp: 65706
Ion Ratio Lower Upper
75 100
110 37.4 30.6 45.8
77 31.8 26.7 40.1





#62

1,3,5-Trimethylbenzene

Concen: 5.325 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

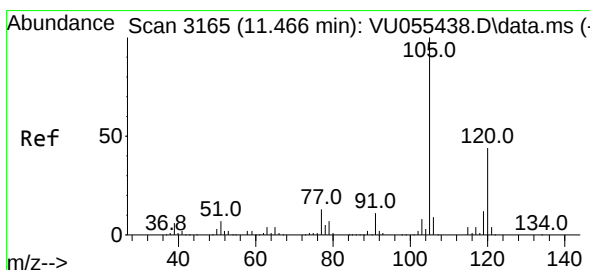
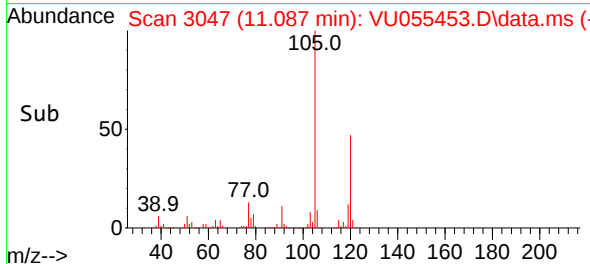
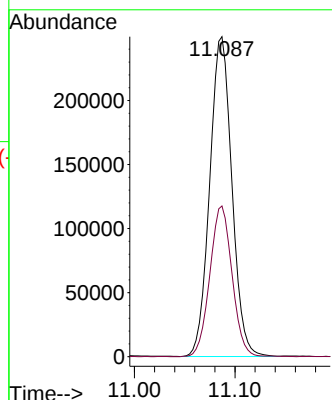
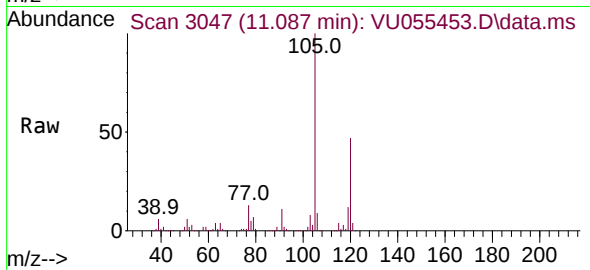
ClientSampleId :

Tgt Ion:105 Resp: 382496

Ion Ratio Lower Upper

105 100

120 47.3 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 5.307 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VU055453.D

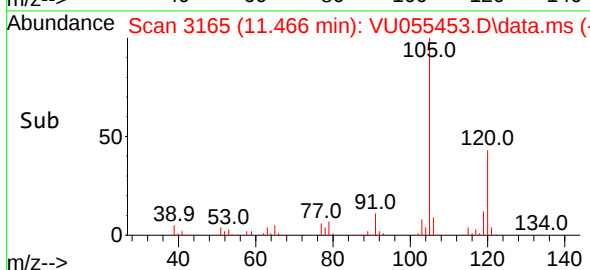
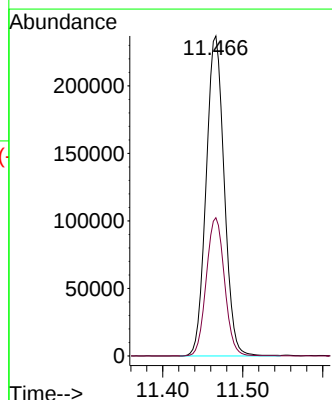
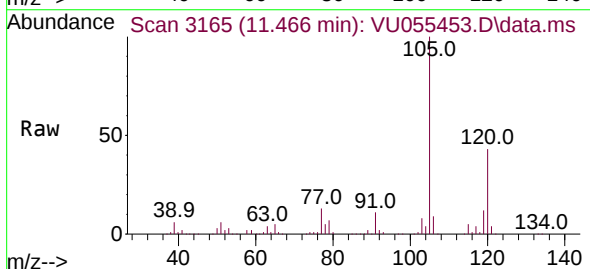
Acq: 22 Sep 2023 12:24

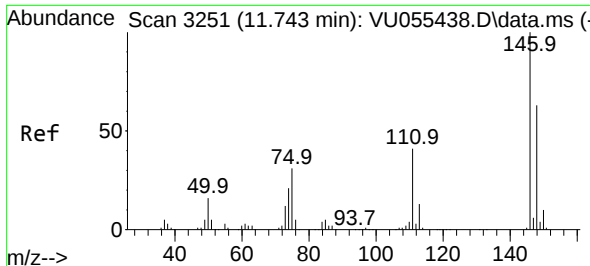
Tgt Ion:105 Resp: 373118

Ion Ratio Lower Upper

105 100

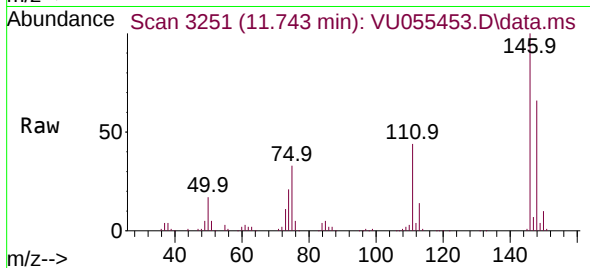
120 43.6 34.9 52.3



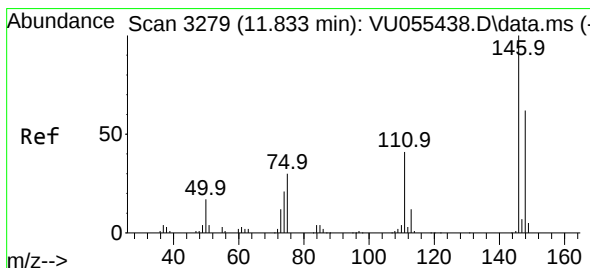
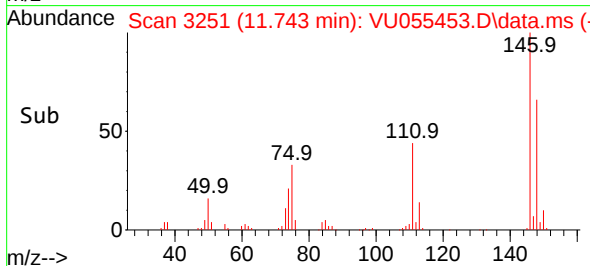
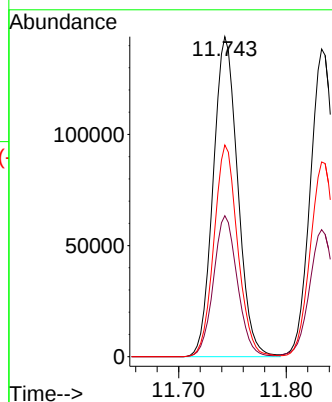


#64
1,3-Dichlorobenzene
Concen: 5.310 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Instrument :
MSVOA_U
ClientSampleId :

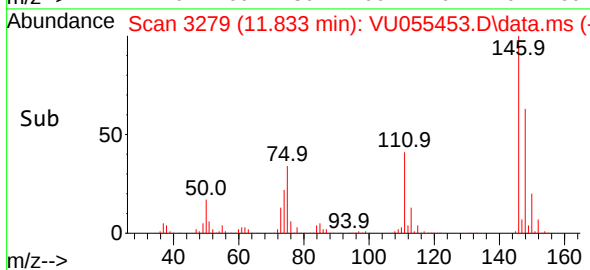
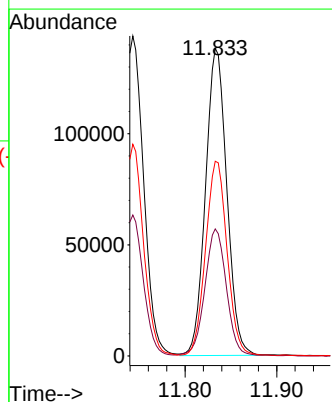
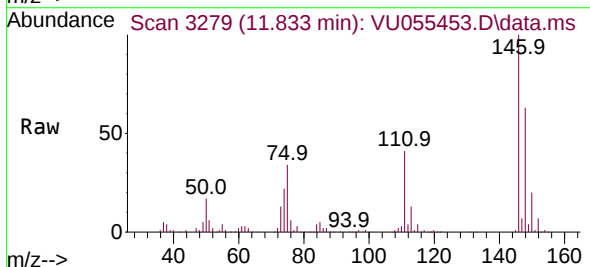


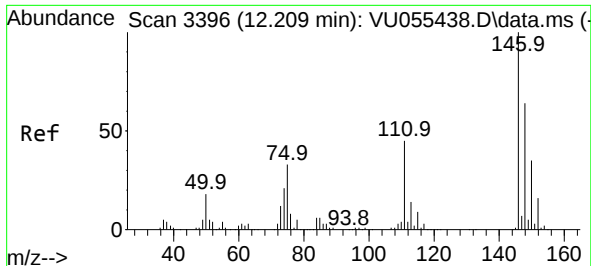
Tgt Ion:146 Resp: 228373
Ion Ratio Lower Upper
146 100
111 44.0 28.8 53.6
148 66.2 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.186 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055453.D
Acq: 22 Sep 2023 12:24

Tgt Ion:146 Resp: 222908
Ion Ratio Lower Upper
146 100
111 41.3 29.0 53.8
148 63.3 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 5.279 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

ClientSampleId :

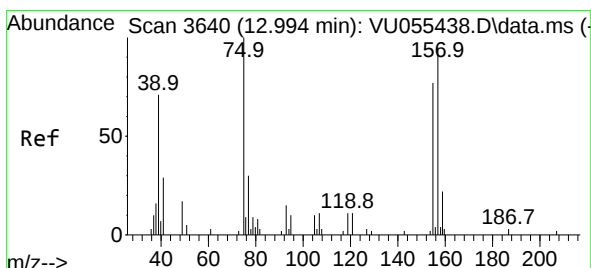
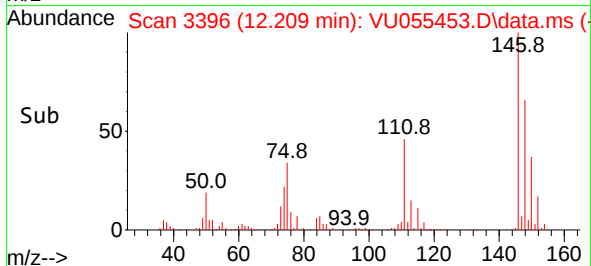
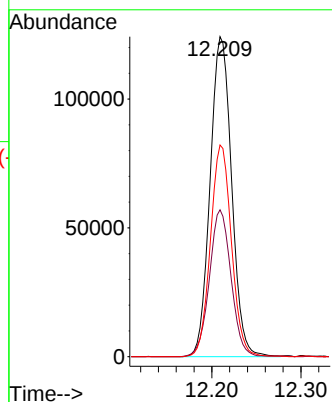
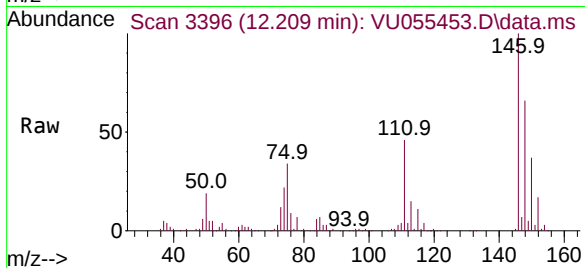
Tgt Ion:146 Resp: 208136

Ion Ratio Lower Upper

146 100

111 45.9 34.6 52.0

148 66.1 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.654 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

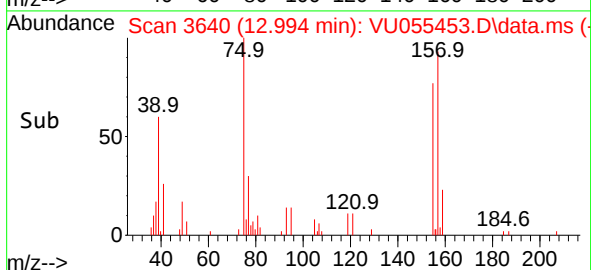
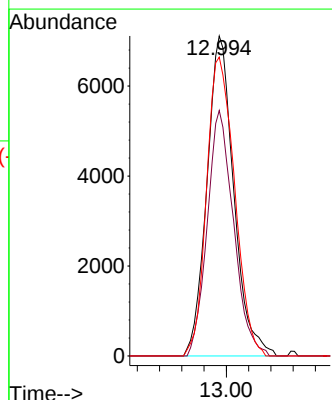
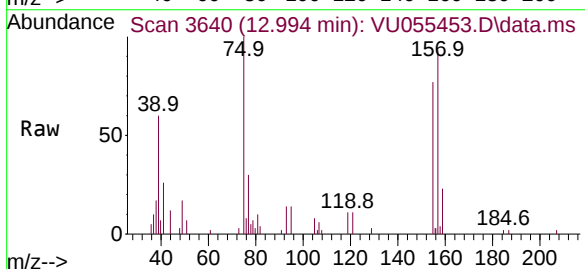
Tgt Ion: 75 Resp: 11924

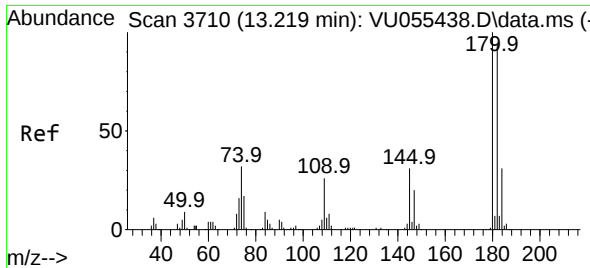
Ion Ratio Lower Upper

75 100

155 76.7 69.2 103.8

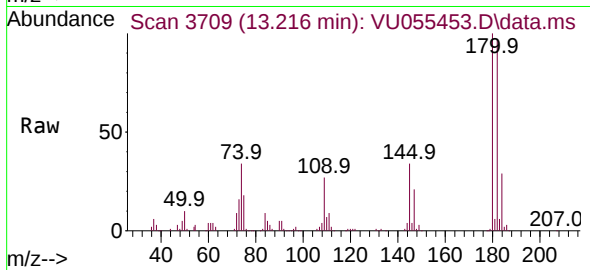
157 93.4 81.9 122.9



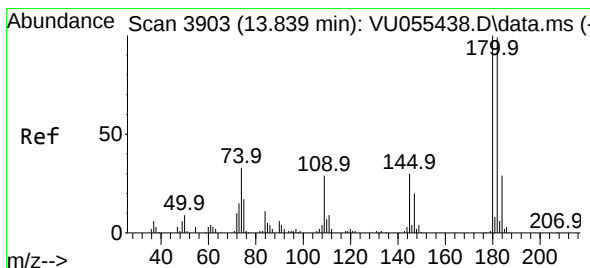
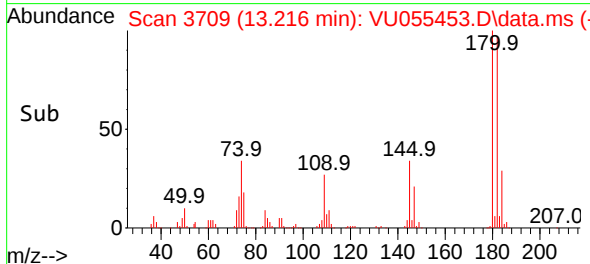
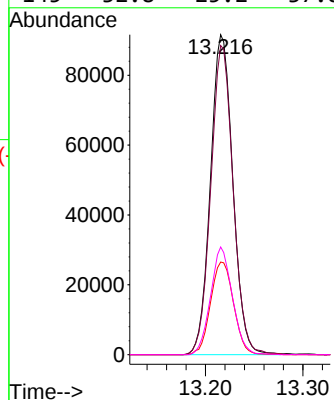


#69
 1,3,5-Trichlorobenzene
 Concen: 4.935 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU055453.D
 Acq: 22 Sep 2023 12:24

Instrument :
 MSVOA_U
 ClientSampleId :

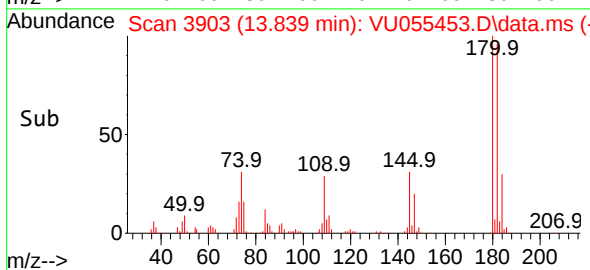
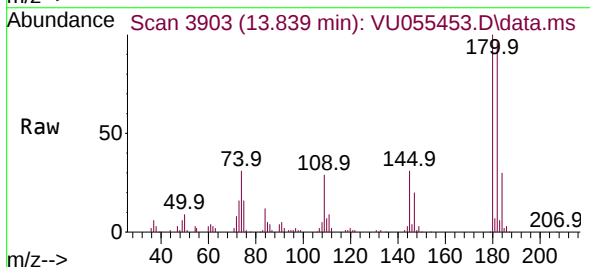
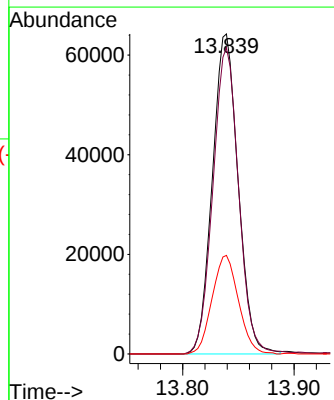


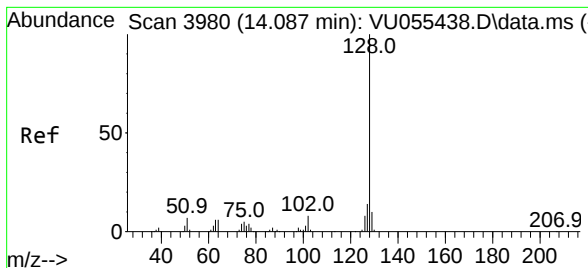
Tgt Ion:180 Resp: 146153
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.1 115.7
 184 29.8 24.0 36.0
 145 32.8 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.567 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. -0.000 min
 Lab File: VU055453.D
 Acq: 22 Sep 2023 12:24

Tgt Ion:180 Resp: 103125
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.4 114.6
 145 31.6 25.4 38.0





#71

Naphthalene

Concen: 4.282 ug/L

RT: 14.084 min Scan# 3980

Delta R.T. -0.003 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Instrument :

MSVOA_U

ClientSampleId :

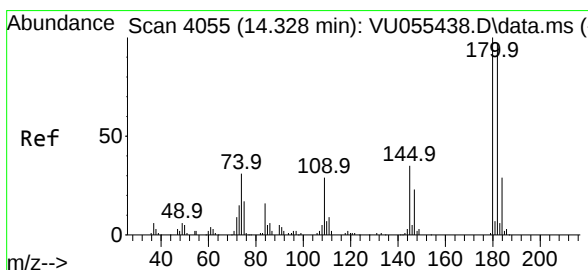
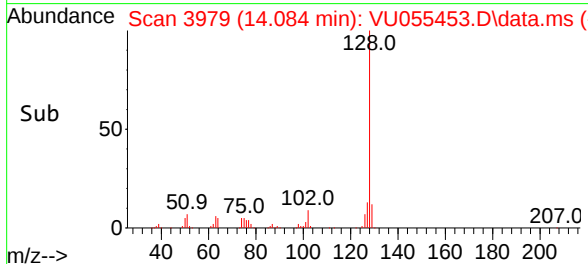
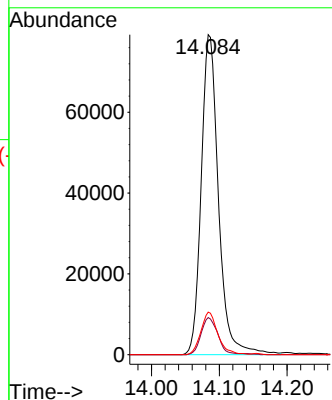
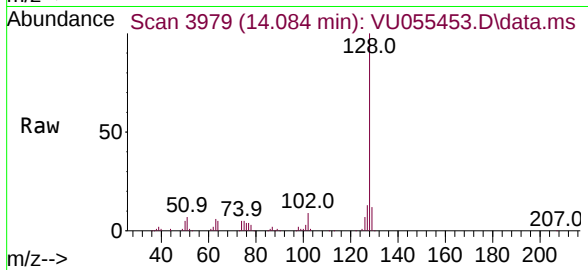
Tgt Ion:128 Resp: 139962

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

127 13.1 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.414 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.003 min

Lab File: VU055453.D

Acq: 22 Sep 2023 12:24

Tgt Ion:180 Resp: 86718

Ion Ratio Lower Upper

180 100

182 100.3 76.2 114.4

145 35.9 26.0 39.0

