

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055715.D
 Acq On : 10 Oct 2023 12:14
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 05:30:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 05:21:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	434879	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	430988	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	244994	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	185985	47.680	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.360%
7) Chloroethane-d5	1.911	69	147269	46.187	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.380%
11) 1,1-Dichloroethene-d2	2.566	63	328110	47.175	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.360%
21) 2-Butanone-d5	4.611	46	290367	100.461	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.460%
24) Chloroform-d	5.058	84	342787	45.840	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
26) 1,2-Dichloroethane-d4	5.698	65	218404	47.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.900%
32) Benzene-d6	5.724	84	682313	49.480	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.960%
36) 1,2-Dichloropropane-d6	6.688	67	211288	48.399	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.800%
41) Toluene-d8	7.894	98	625751	50.255	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.500%
43) trans-1,3-Dichloroprop...	8.177	79	106126	50.607	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.220%
47) 2-Hexanone-d5	8.627	63	188906	110.072	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.070%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	331161	49.283	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.560%
66) 1,2-Dichlorobenzene-d4	12.190	152	245576	50.512	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	164410	45.405	ug/L	99
3) Chloromethane	1.521	50	158397	46.230	ug/L	98
5) Vinyl chloride	1.605	62	175589	46.568	ug/L	97
6) Bromomethane	1.856	94	111593	46.295	ug/L	100
8) Chloroethane	1.933	64	107744	43.563	ug/L	98
9) Trichlorofluoromethane	2.139	101	243501	45.199	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	155773	44.961	ug/L	99
12) 1,1-Dichloroethene	2.579	96	141051	45.751	ug/L	97
13) Acetone	2.618	43	252201	94.027	ug/L	100
14) Carbon disulfide	2.792	76	432062	46.051	ug/L	98
15) Methyl Acetate	2.943	43	196327	47.795	ug/L	97
16) Methylene chloride	3.042	84	165822	44.352	ug/L	99
17) trans-1,2-Dichloroethene	3.351	96	146043	46.325	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	476433	46.992	ug/L	99
19) 1,1-Dichloroethane	3.865	63	290962	45.005	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	171058	47.542	ug/L	98
22) 2-Butanone	4.692	43	309563	95.753	ug/L	99
23) Bromochloromethane	4.971	128	85445	45.854	ug/L	96
25) Chloroform	5.084	83	300767	44.534	ug/L	97

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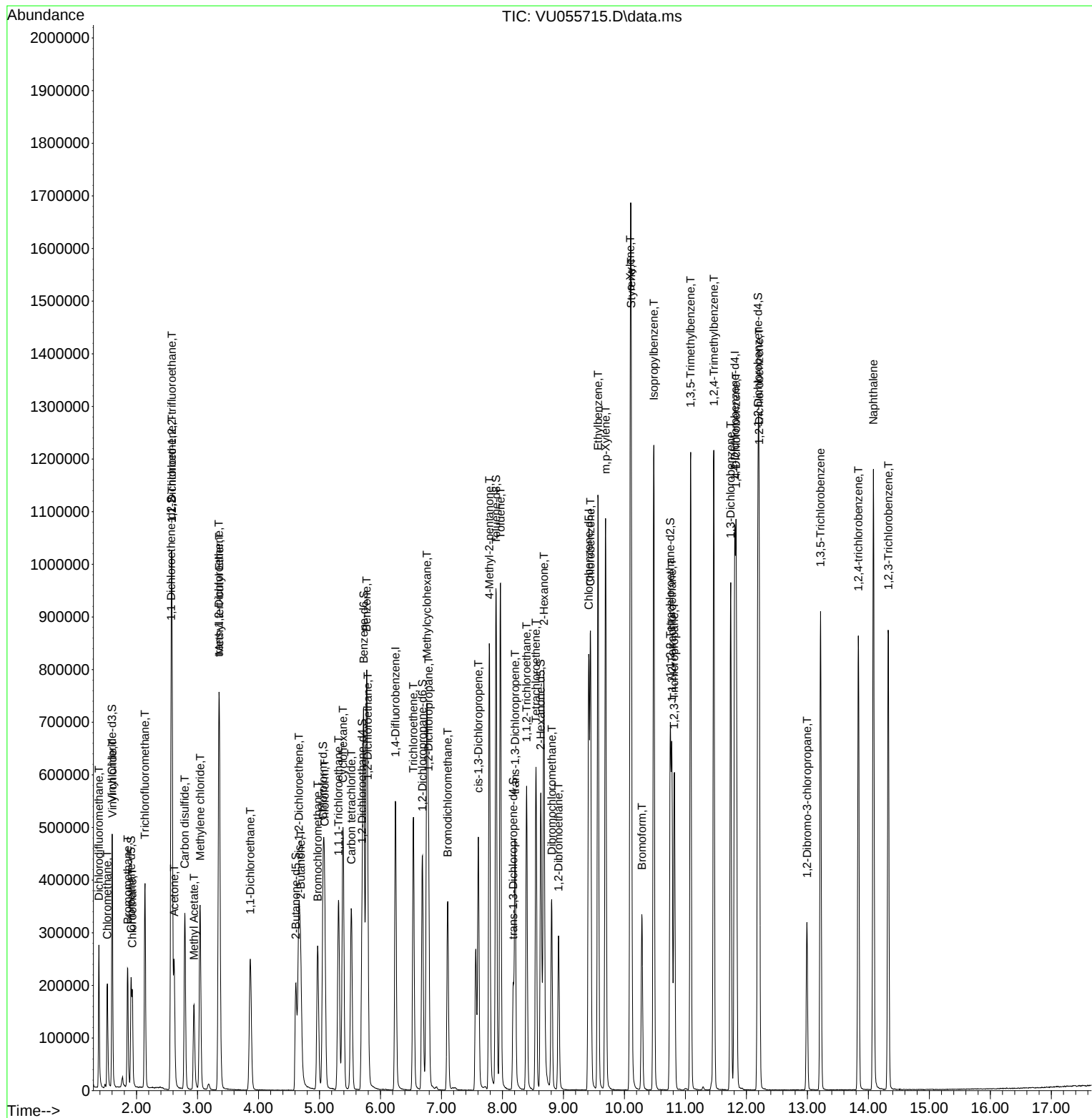
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	240457	44.515	ug/L	100
29) Cyclohexane	5.386	56	247333	50.067	ug/L	99
30) 1,1,1-Trichloroethane	5.312	97	264721	47.542	ug/L	99
31) Carbon tetrachloride	5.521	117	233809	47.972	ug/L	98
33) Benzene	5.772	78	650959	47.781	ug/L	100
34) Trichloroethene	6.541	95	176522	47.354	ug/L	98
35) Methylcyclohexane	6.762	83	272329	50.352	ug/L	99
37) 1,2-Dichloropropane	6.788	63	177152	47.221	ug/L	100
38) Bromodichloromethane	7.103	83	235169	47.535	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	282557	49.507	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	534154	102.347	ug/L	98
42) Toluene	7.968	91	708989	49.319	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	270575	49.548	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	171009	46.229	ug/L	97
46) Tetrachloroethene	8.550	164	126092	47.244	ug/L	99
48) 2-Hexanone	8.679	43	498832	113.156	ug/L	99
49) Dibromochloromethane	8.807	129	180359	47.717	ug/L	99
50) 1,2-Dibromoethane	8.920	107	191914	48.301	ug/L	99
51) Chlorobenzene	9.444	112	447224	48.083	ug/L	99
52) Ethylbenzene	9.566	91	775360	49.334	ug/L	99
53) m,p-Xylene	9.692	106	300741	51.076	ug/L	96
54) o-Xylene	10.097	106	286425	50.269	ug/L	97
55) Styrene	10.113	104	505966	52.419	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	310516	49.023	ug/L	99
59) Bromoform	10.286	173	144123	47.787	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	254826	47.926	ug/L	99
61) Isopropylbenzene	10.483	105	786616	51.503	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	648845	52.502	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	655101	53.607	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	372952	49.397	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	386468	49.786	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	369024	49.252	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	83553	52.562	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	262845	52.192	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	247832	59.080	ug/L	100
71) Naphthalene	14.084	128	918344	73.697	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	248020	59.968	ug/L	99

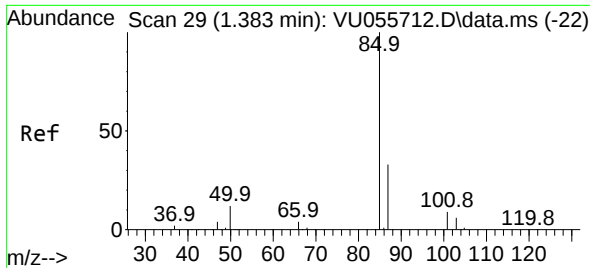
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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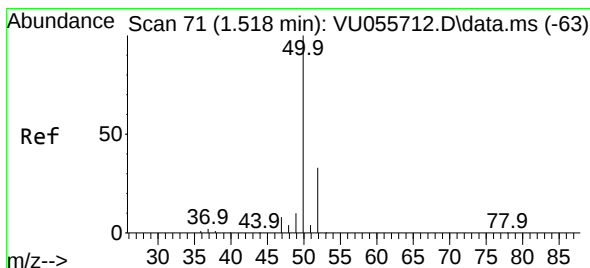
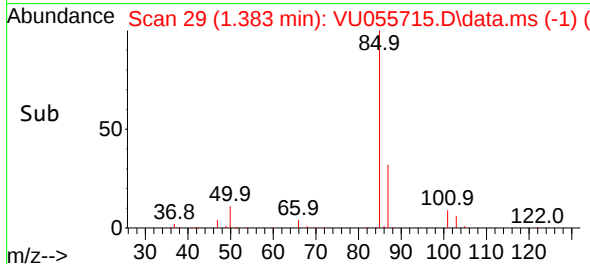
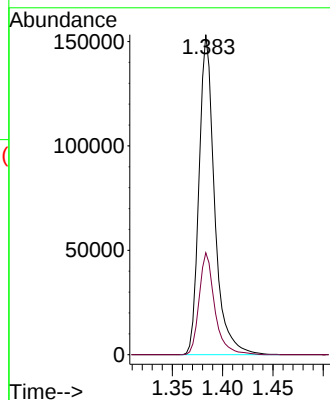
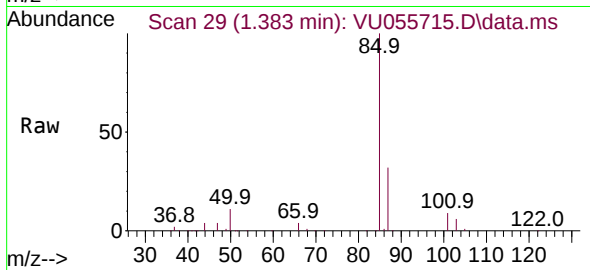




#2
 Dichlorodifluoromethane
 Concen: 45.405 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055715.D
 Acq: 10 Oct 2023 12:14

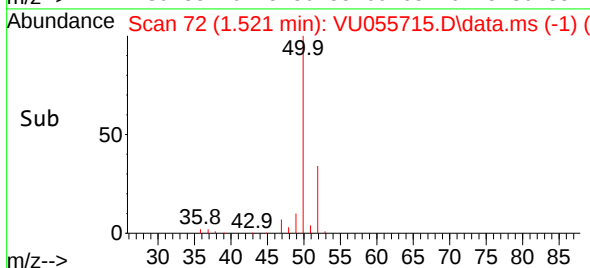
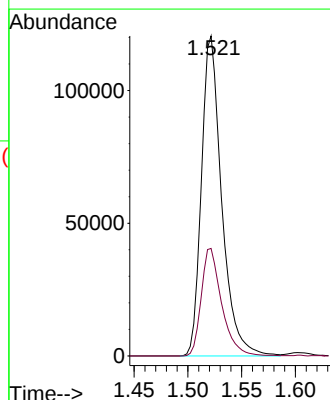
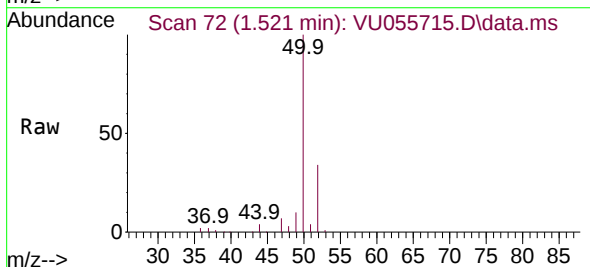
Instrument :
 MSVOA_U
 ClientSampleId :

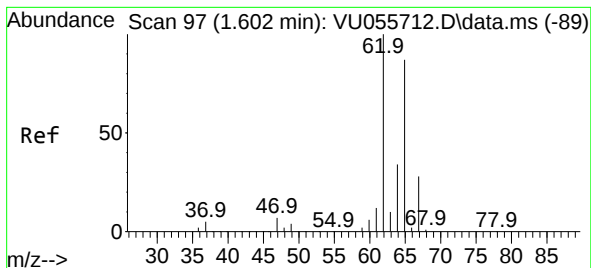
Tgt Ion: 85 Resp: 164410
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.0 39.0



#3
 Chloromethane
 Concen: 46.230 ug/L
 RT: 1.521 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU055715.D
 Acq: 10 Oct 2023 12:14

Tgt Ion: 50 Resp: 158397
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.8 42.4





#5

Vinyl chloride

Concen: 46.568 ug/L

RT: 1.605 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

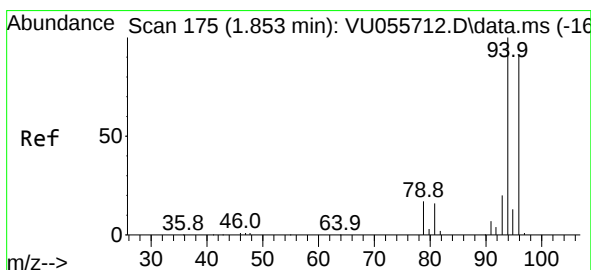
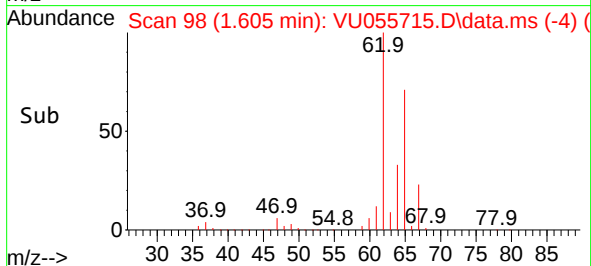
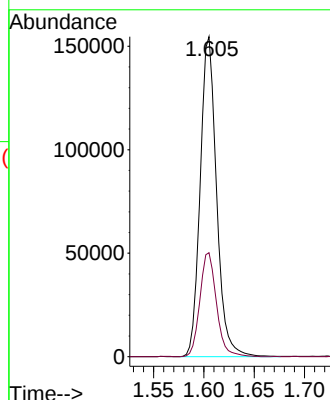
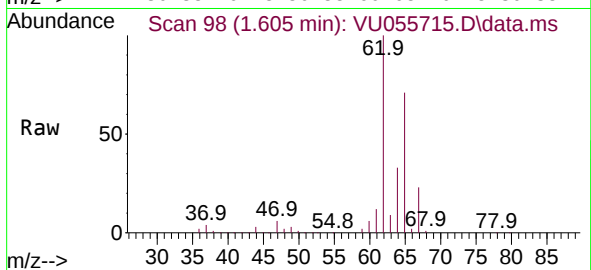
ClientSampleId :

Tgt Ion: 62 Resp: 175589

Ion Ratio Lower Upper

62 100

64 32.5 23.9 44.5



#6

Bromomethane

Concen: 46.295 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.003 min

Lab File: VU055715.D

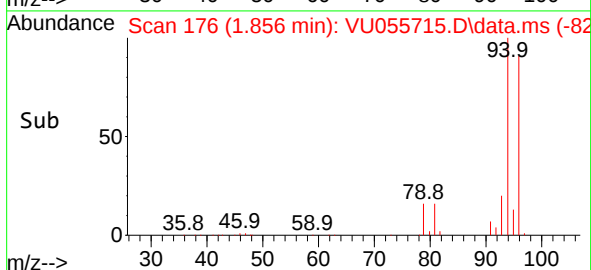
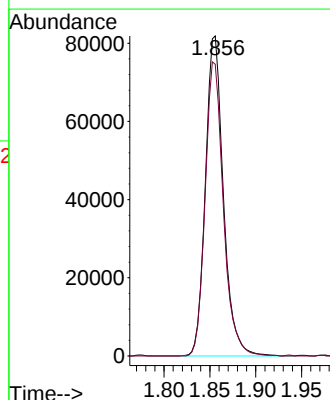
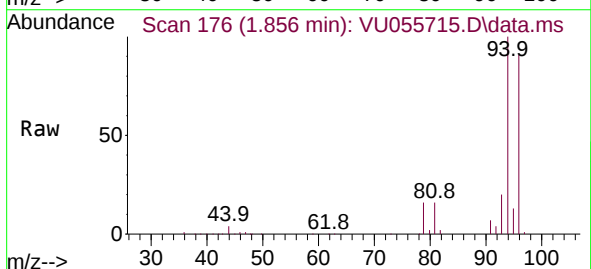
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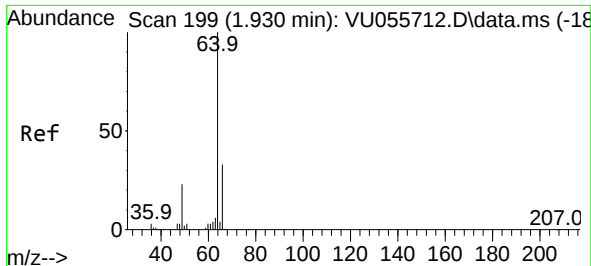
Tgt Ion: 94 Resp: 111593

Ion Ratio Lower Upper

94 100

96 91.2 63.5 117.9

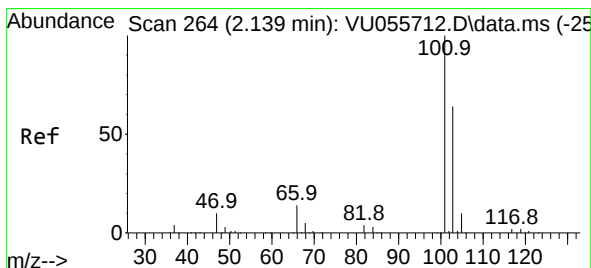
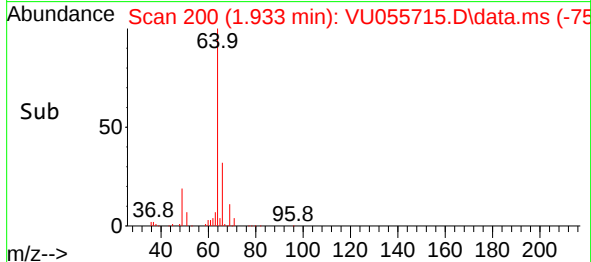
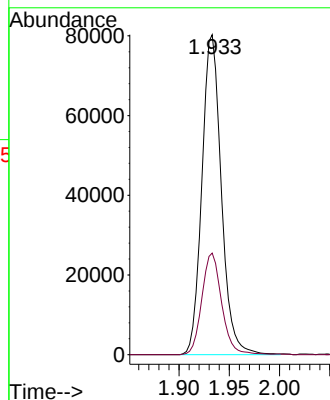
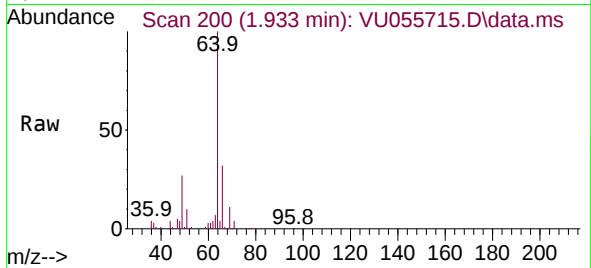




#8
Chloroethane
Concen: 43.563 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

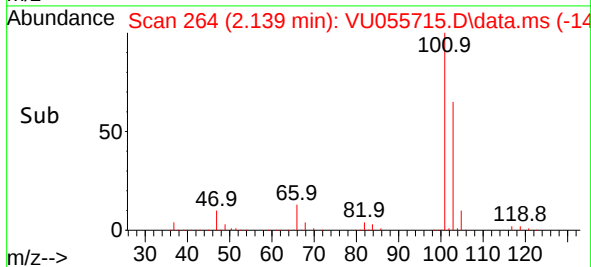
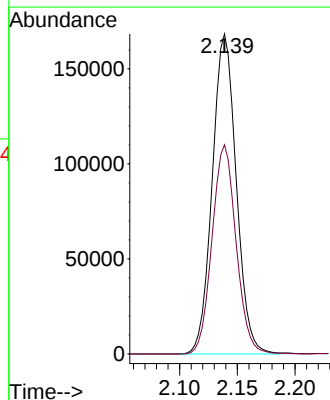
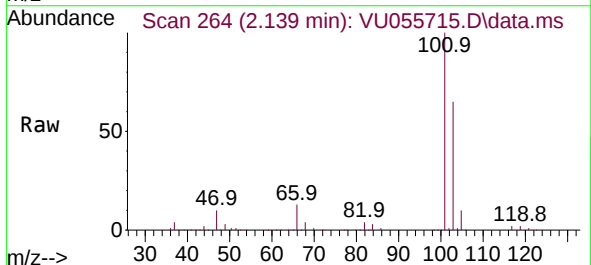
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MSVOA_U
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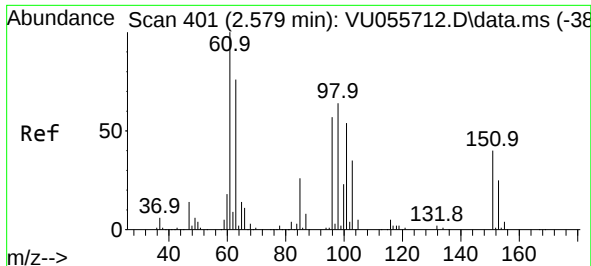
Tgt Ion: 64 Resp: 107744
Ion Ratio Lower Upper
64 100
66 31.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 45.199 ug/L
RT: 2.139 min Scan# 264
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion:101 Resp: 243501
Ion Ratio Lower Upper
101 100
103 65.4 51.3 76.9

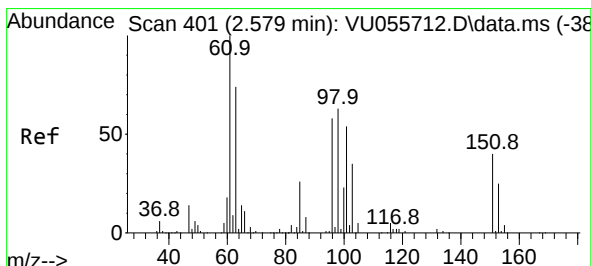
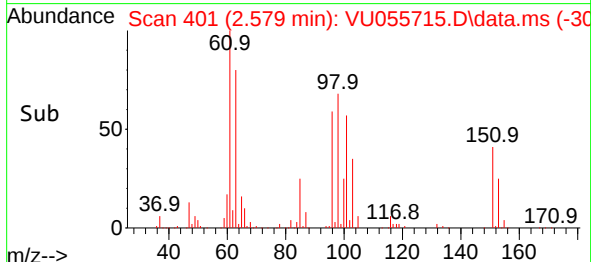
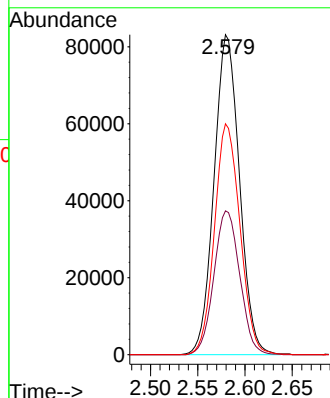
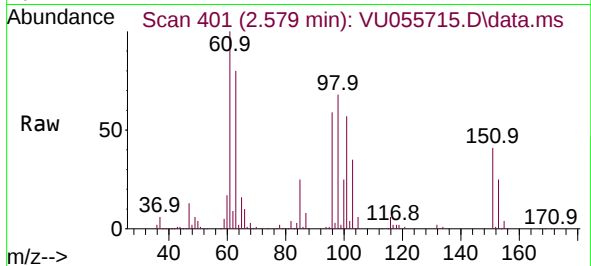




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.961 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU055715.D
 Acq: 10 Oct 2023 12:14

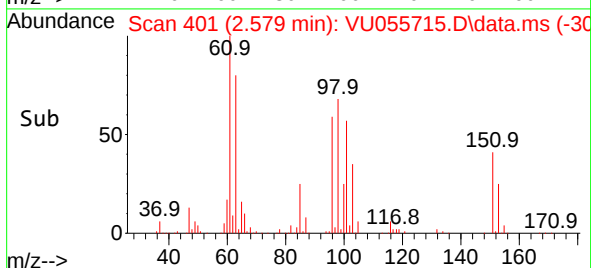
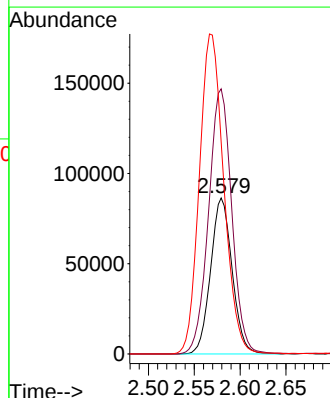
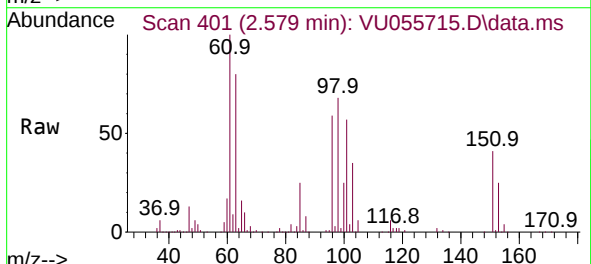
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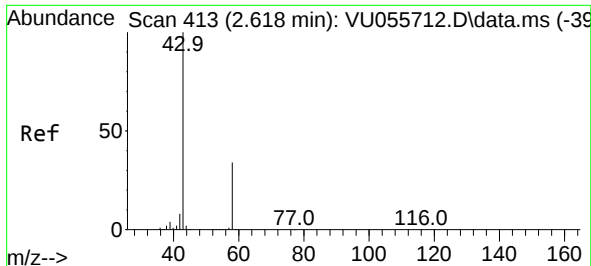
Tgt Ion:101 Resp: 155773
 Ion Ratio Lower Upper
 101 100
 85 45.6 37.1 55.7
 151 72.4 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 45.751 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU055715.D
 Acq: 10 Oct 2023 12:14

Tgt Ion: 96 Resp: 141051
 Ion Ratio Lower Upper
 96 100
 61 169.9 122.0 226.6
 63 135.9 93.7 174.1





#13

Acetone

Concen: 94.027 ug/L

RT: 2.618 min Scan# 413

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

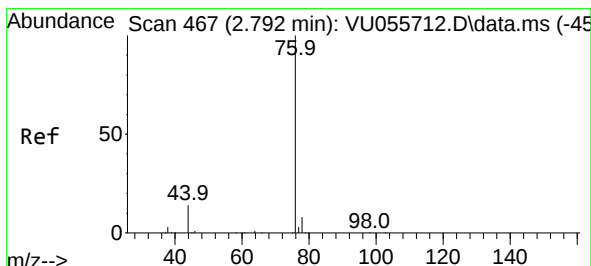
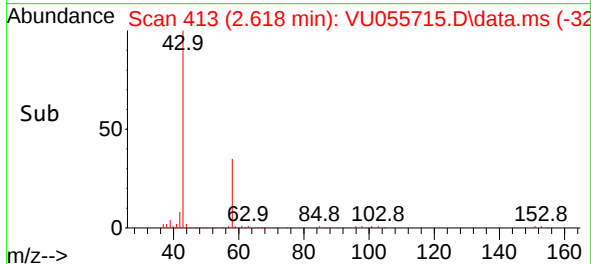
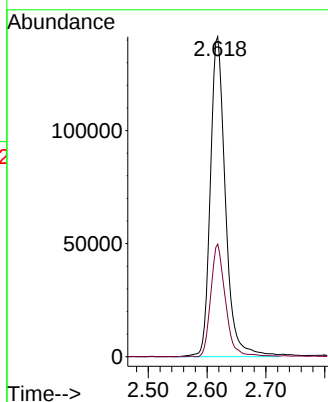
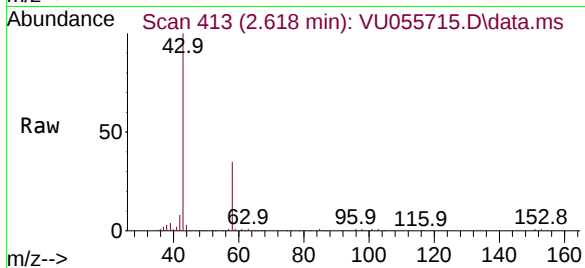
ClientSampleId :

Tgt Ion: 43 Resp: 252201

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.4



#14

Carbon disulfide

Concen: 46.051 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055715.D

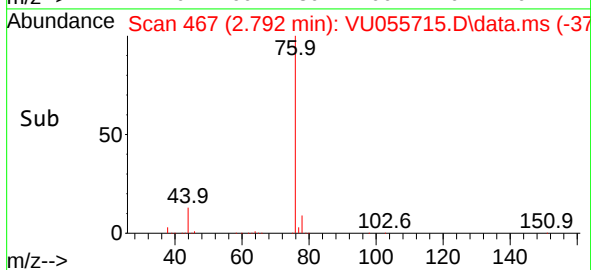
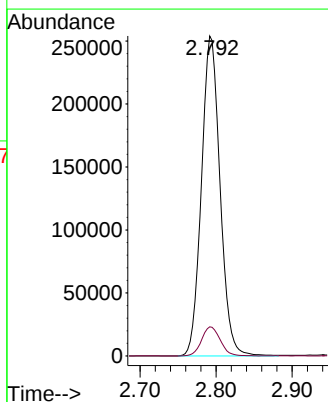
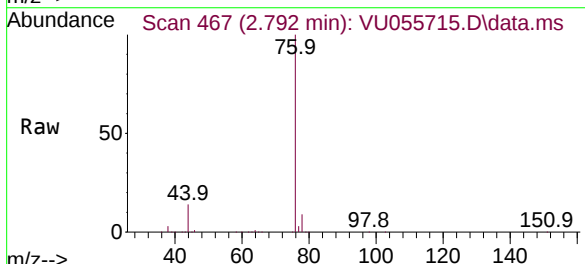
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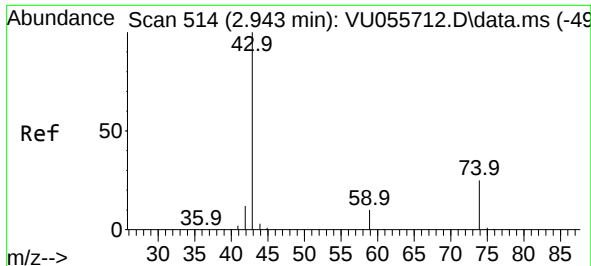
Tgt Ion: 76 Resp: 432062

Ion Ratio Lower Upper

76 100

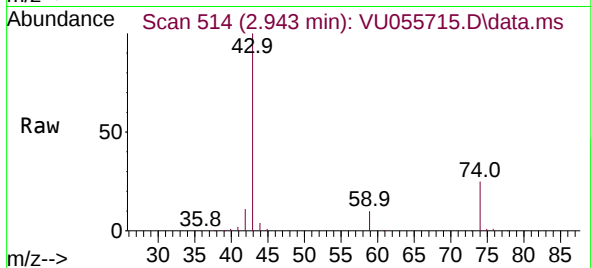
78 9.1 6.8 10.2



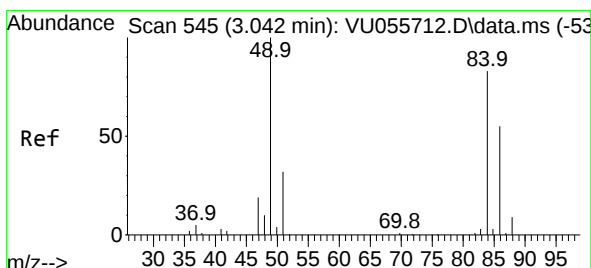
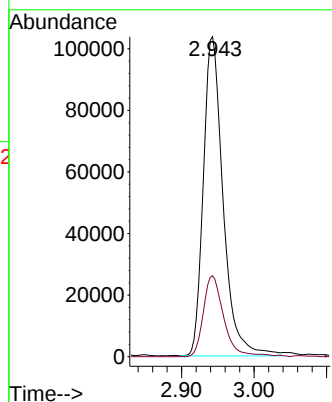
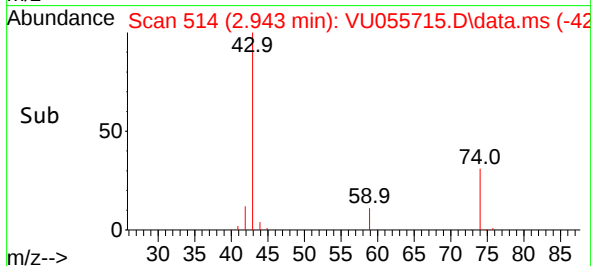


#15
Methyl Acetate
Concen: 47.795 ug/L
RT: 2.943 min Scan# 514
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Instrument :
MSVOA_U
ClientSampleId :

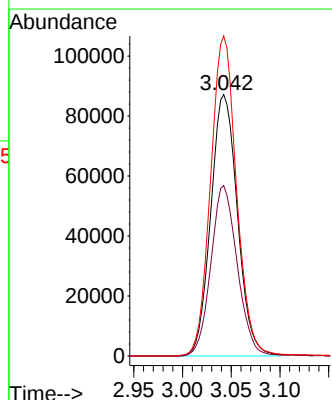
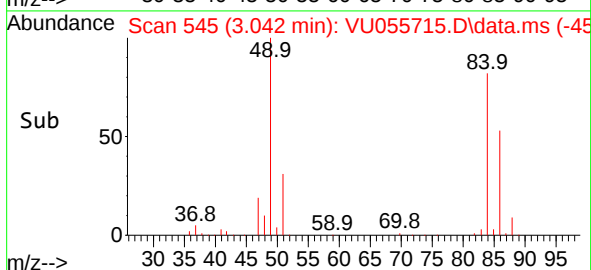
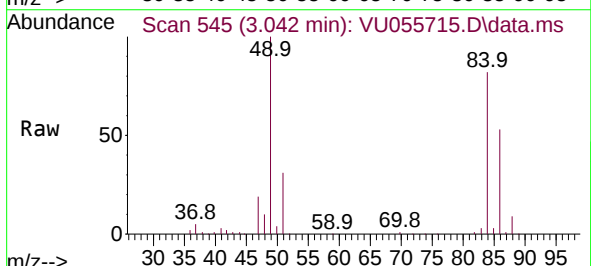


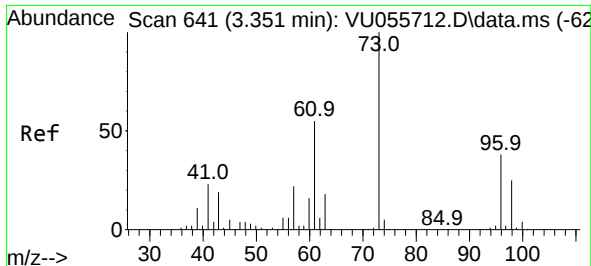
Tgt Ion: 43 Resp: 196327
Ion Ratio Lower Upper
43 100
74 25.7 19.5 29.3



#16
Methylene chloride
Concen: 44.352 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion: 84 Resp: 165822
Ion Ratio Lower Upper
84 100
86 65.2 46.3 86.1
49 122.4 84.8 157.6

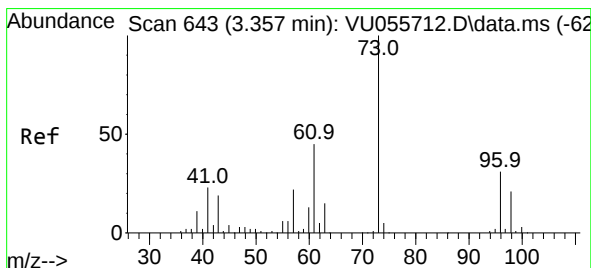
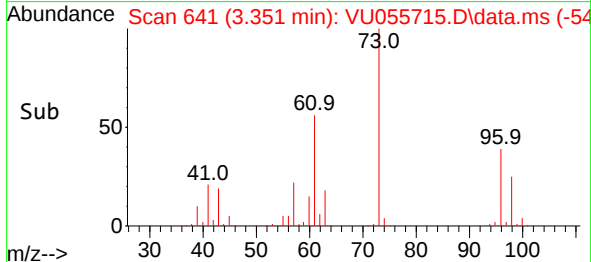
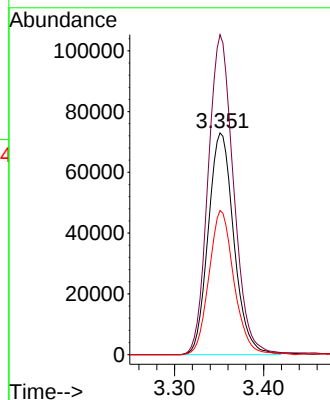
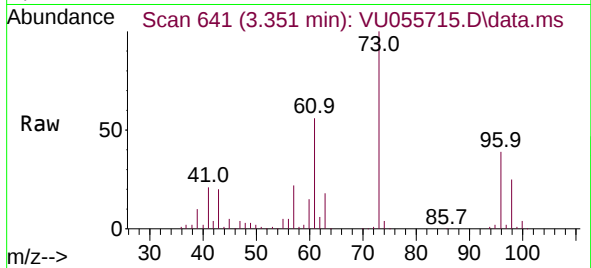




#17
trans-1,2-Dichloroethene
Concen: 46.325 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

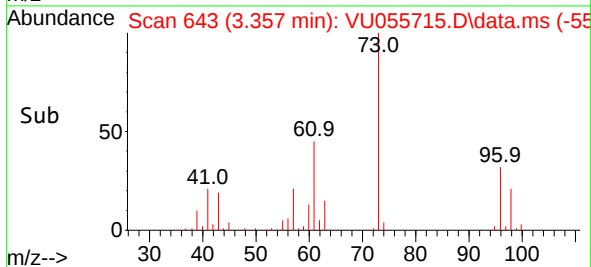
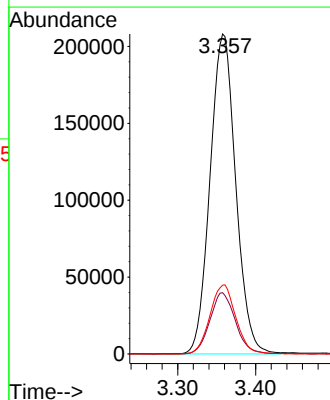
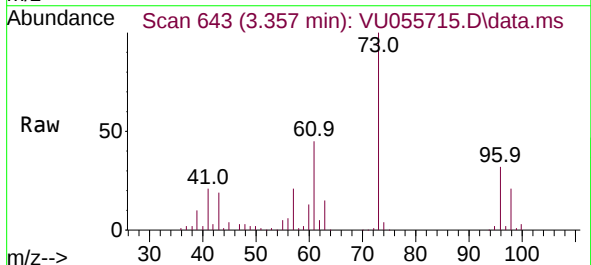
Instrument :
MSVOA_U
ClientSampleId :

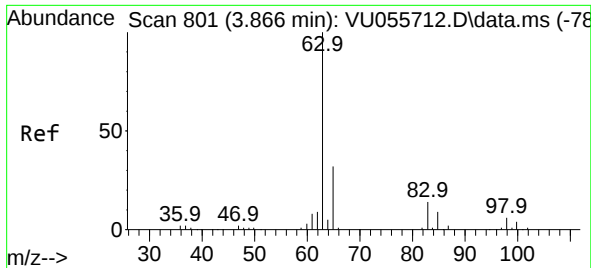
Tgt Ion: 96 Resp: 146043
Ion Ratio Lower Upper
96 100
61 144.3 102.1 189.7
98 65.0 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 46.992 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion: 73 Resp: 476433
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.2
57 21.7 17.7 26.5





#19

1,1-Dichloroethane

Concen: 45.005 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :

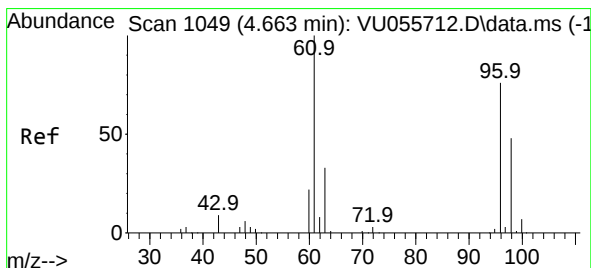
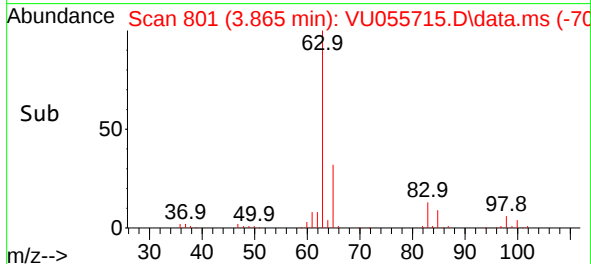
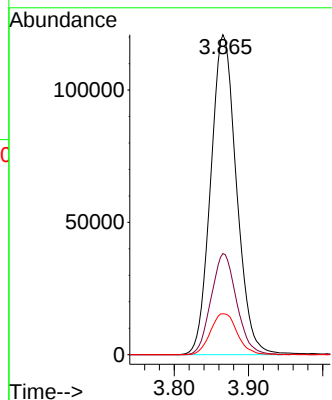
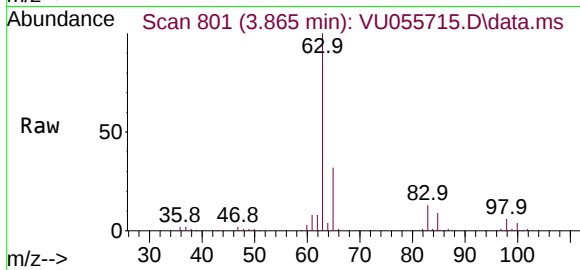
Tgt Ion: 63 Resp: 290962

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.5

83 12.8 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 47.542 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

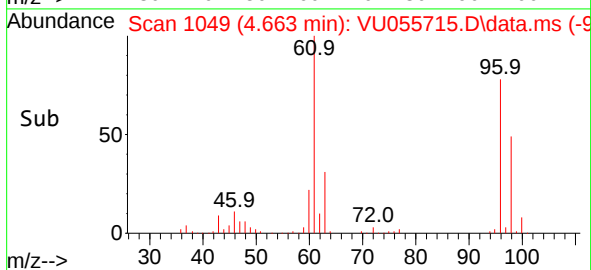
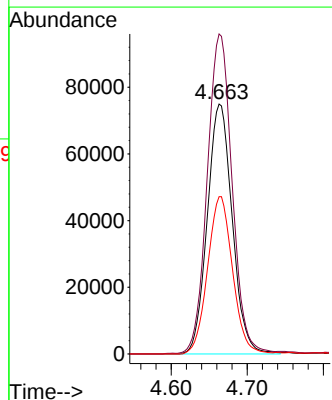
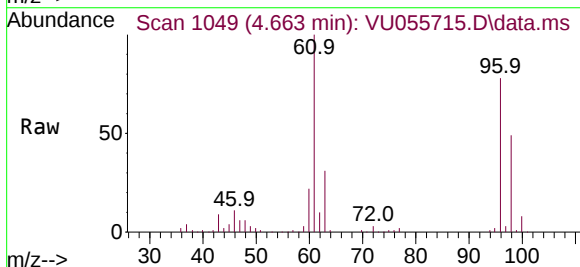
Tgt Ion: 96 Resp: 171058

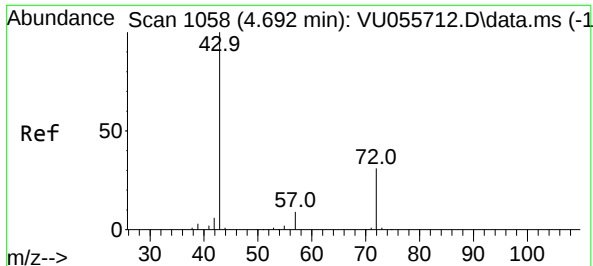
Ion Ratio Lower Upper

96 100

61 128.1 92.3 171.5

98 63.0 43.9 81.5





#22

2-Butanone

Concen: 95.753 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

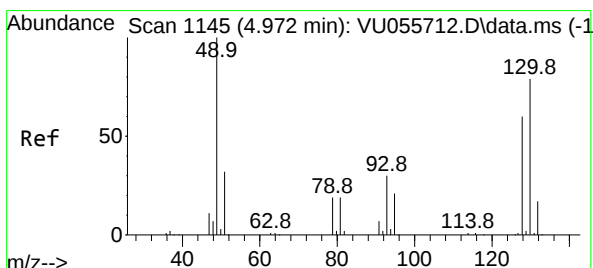
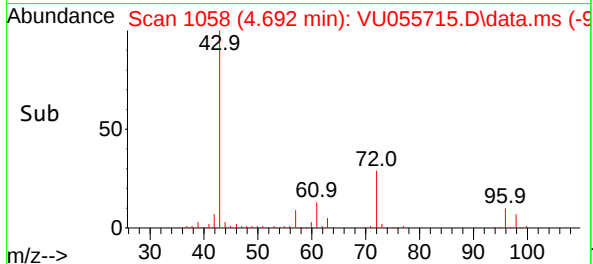
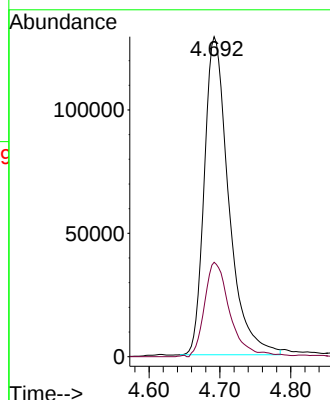
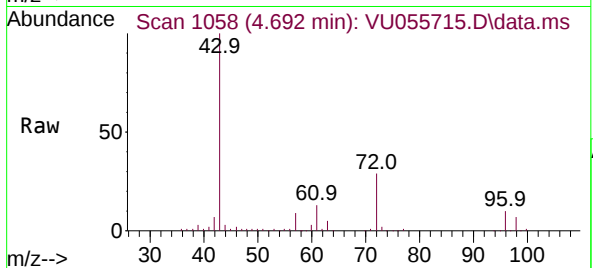
ClientSampleId :

Tgt Ion: 43 Resp: 309563

Ion Ratio Lower Upper

43 100

72 29.9 14.6 44.0



#23

Bromochloromethane

Concen: 45.854 ug/L

RT: 4.971 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Tgt Ion: 128 Resp: 85445

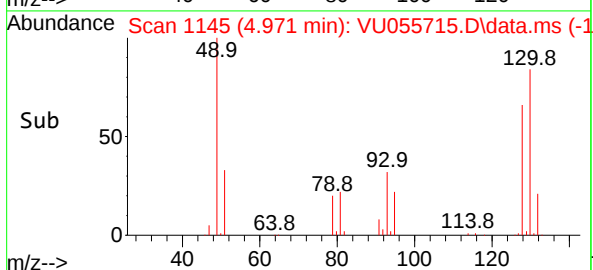
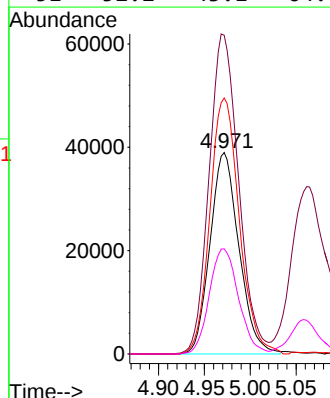
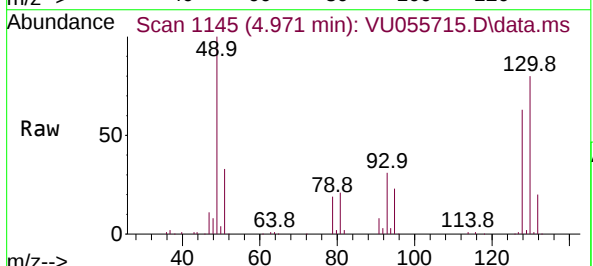
Ion Ratio Lower Upper

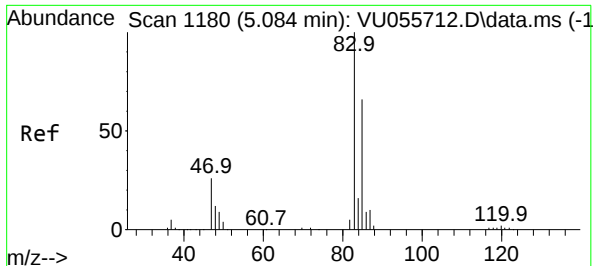
128 100

49 158.3 116.3 216.1

130 127.1 91.6 170.0

51 52.2 43.1 64.7





#25

Chloroform

Concen: 44.534 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

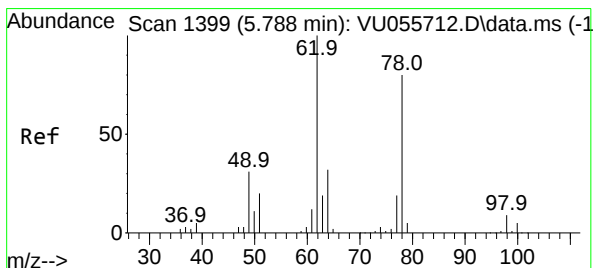
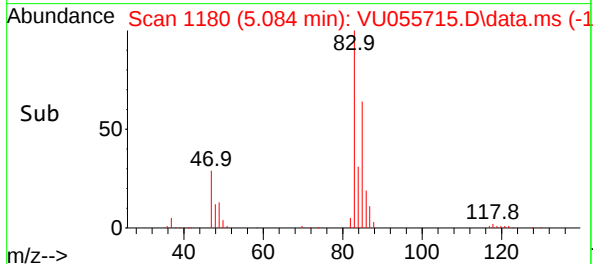
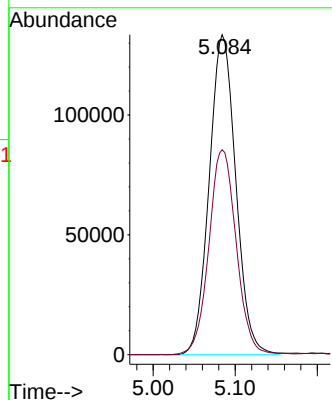
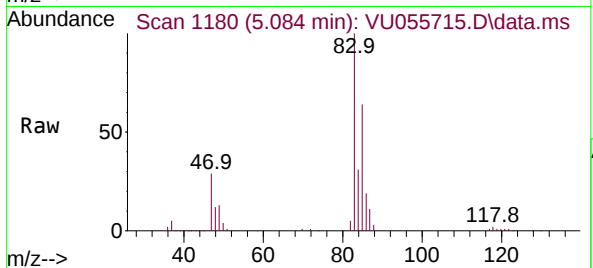
ClientSampleId :

Tgt Ion: 83 Resp: 300767

Ion Ratio Lower Upper

83 100

85 64.0 46.3 86.1



#27

1,2-Dichloroethane

Concen: 44.515 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU055715.D

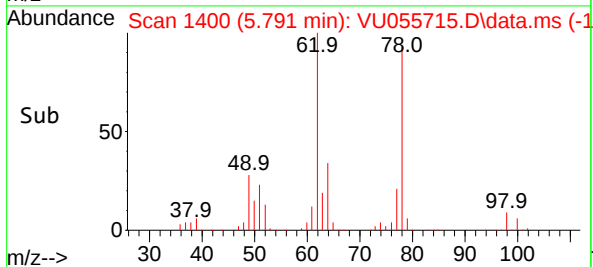
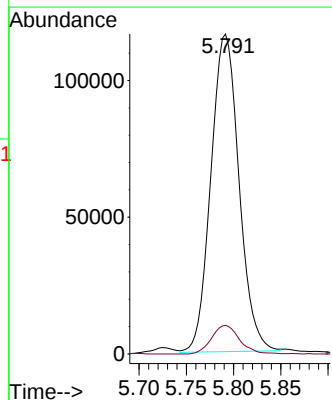
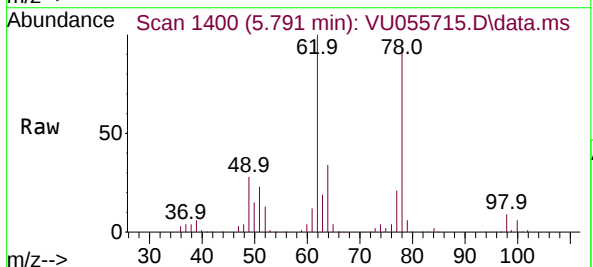
Acq: 10 Oct 2023 12:14

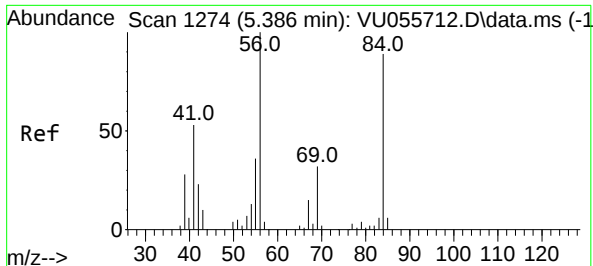
Tgt Ion: 62 Resp: 240457

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 50.067 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

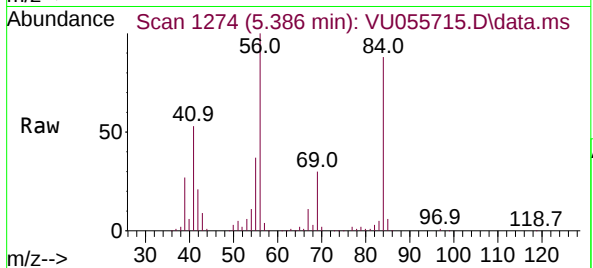
Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :



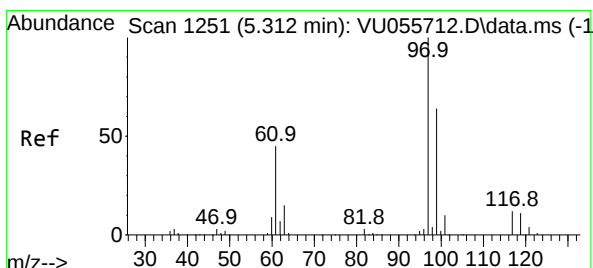
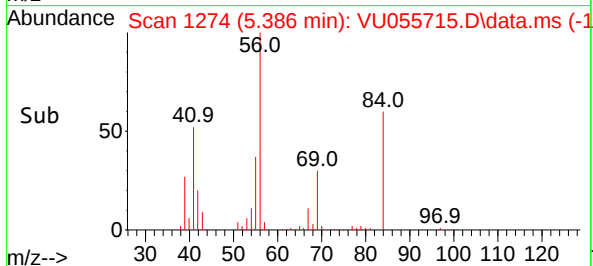
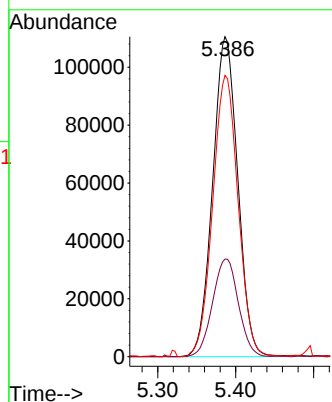
Tgt Ion: 56 Resp: 247333

Ion Ratio Lower Upper

56 100

69 31.5 24.9 37.3

84 89.1 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 47.542 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

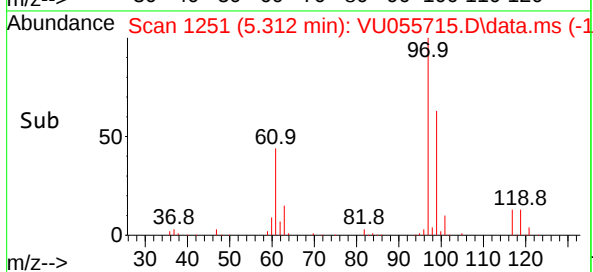
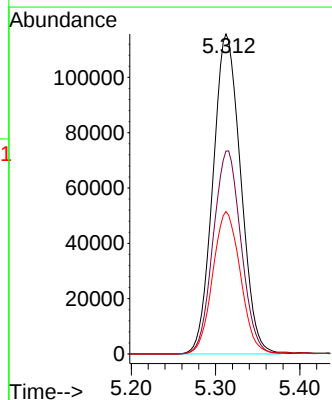
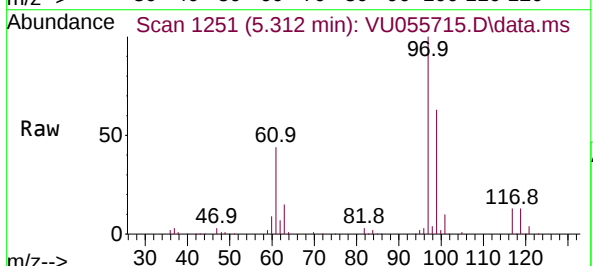
Tgt Ion: 97 Resp: 264721

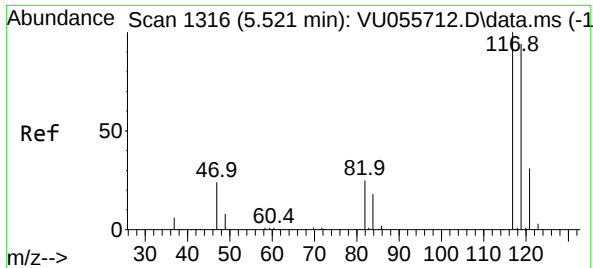
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 44.5 36.8 55.2

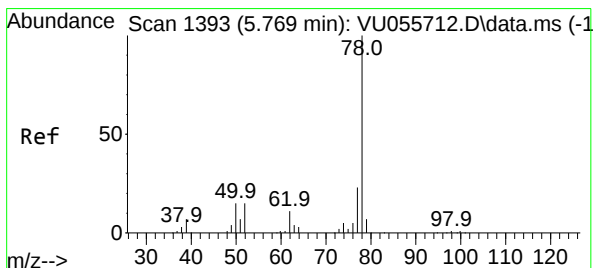
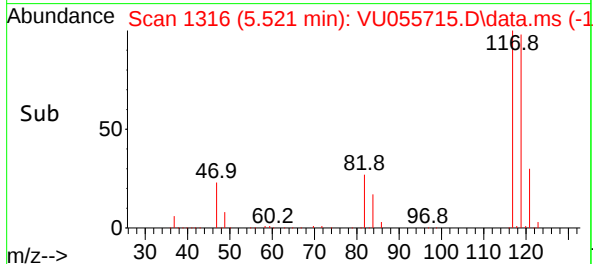
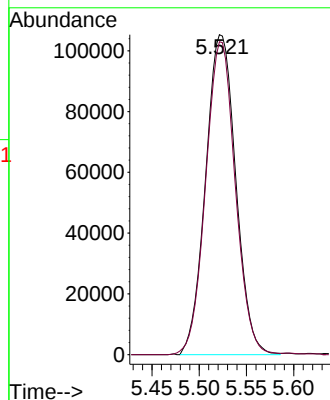
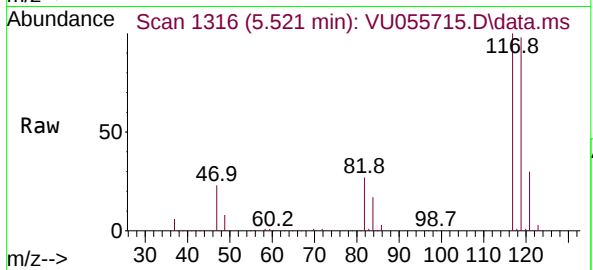




#31
Carbon tetrachloride
Concen: 47.972 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

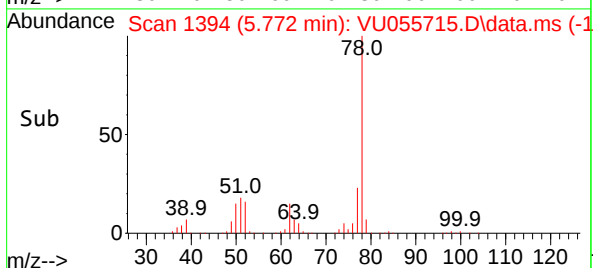
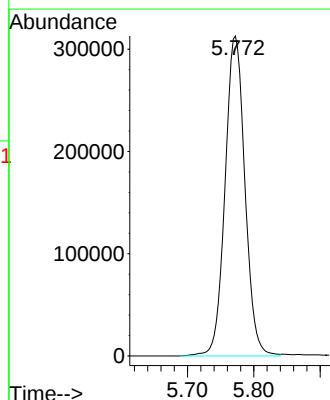
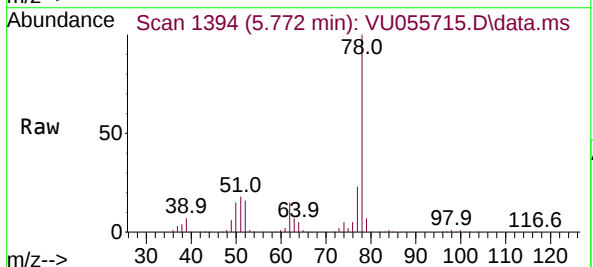
Instrument :
MSVOA_U
ClientSampleId :

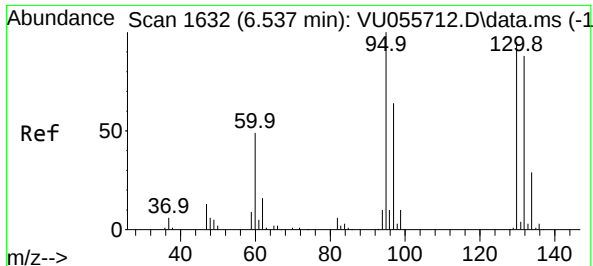
Tgt Ion:117 Resp: 233809
Ion Ratio Lower Upper
117 100
119 95.8 75.4 113.0



#33
Benzene
Concen: 47.781 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion: 78 Resp: 650959

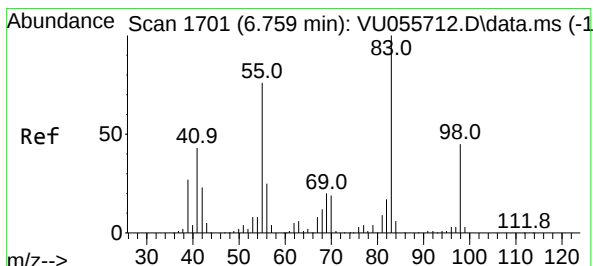
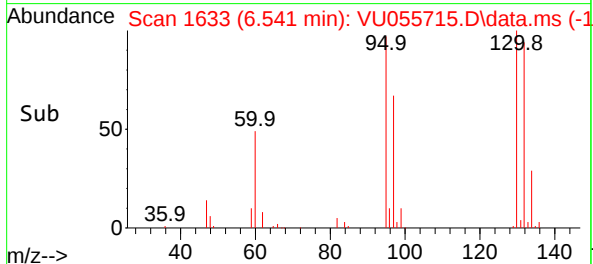
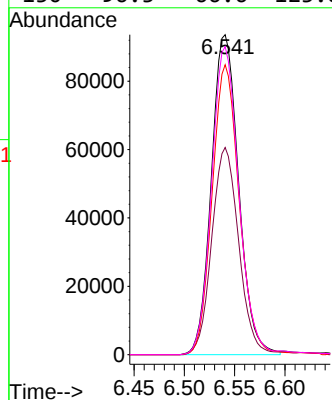
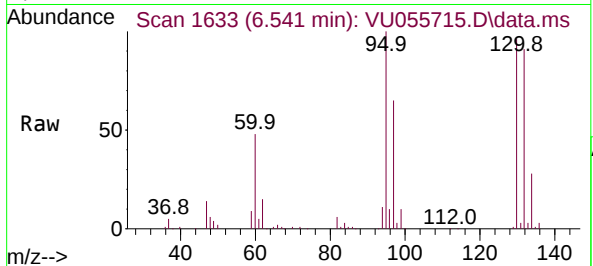




#34
Trichloroethene
Concen: 47.354 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

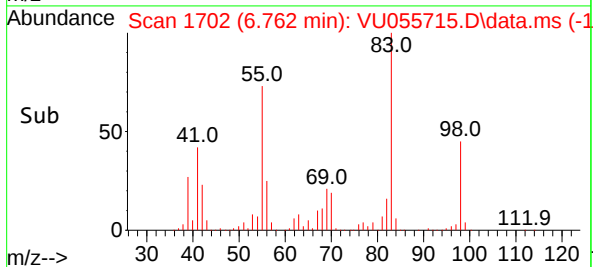
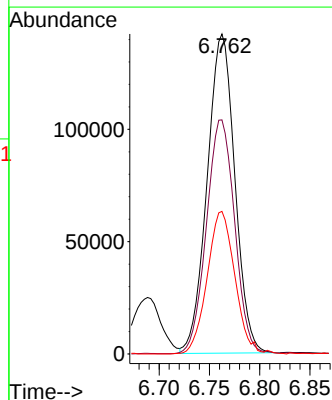
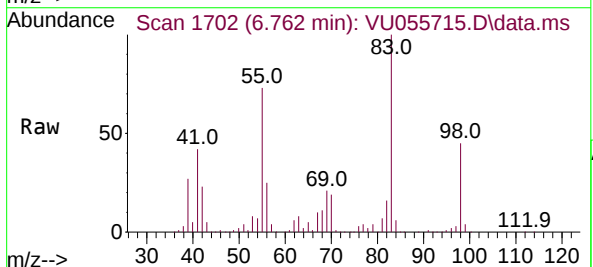
Instrument :
MSVOA_U
ClientSampleId :

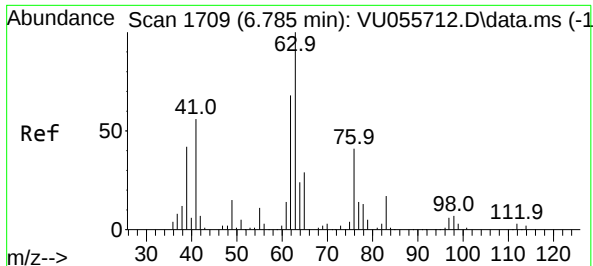
Tgt Ion: 95 Resp: 176522
Ion Ratio Lower Upper
95 100
97 64.8 44.4 82.5
132 90.6 61.8 114.8
130 96.3 66.6 123.8



#35
Methylcyclohexane
Concen: 50.352 ug/L
RT: 6.762 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion: 83 Resp: 272329
Ion Ratio Lower Upper
83 100
55 74.7 61.2 91.8
98 44.4 35.8 53.6





#37

1,2-Dichloropropane

Concen: 47.221 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

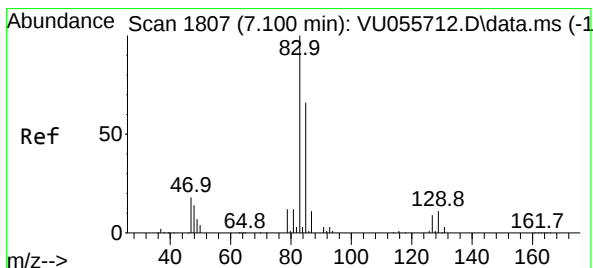
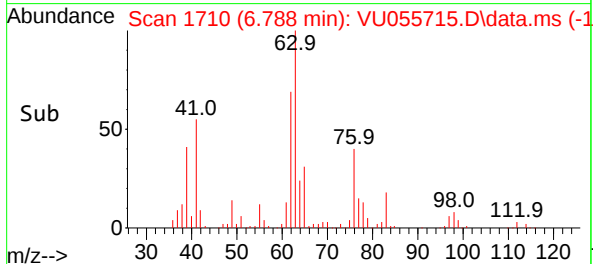
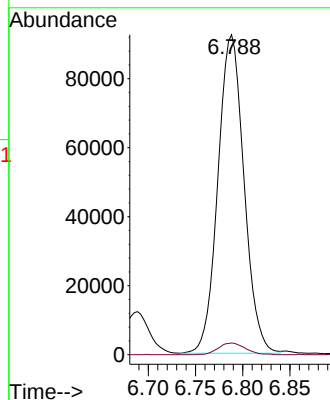
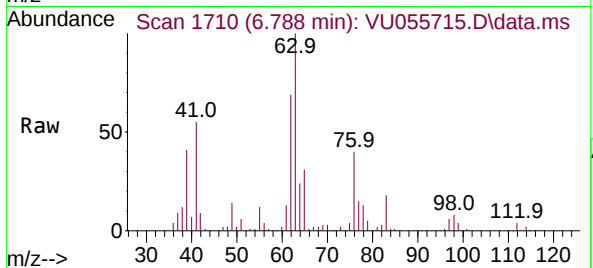
ClientSampleId :

Tgt Ion: 63 Resp: 177152

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.4



#38

Bromodichloromethane

Concen: 47.535 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

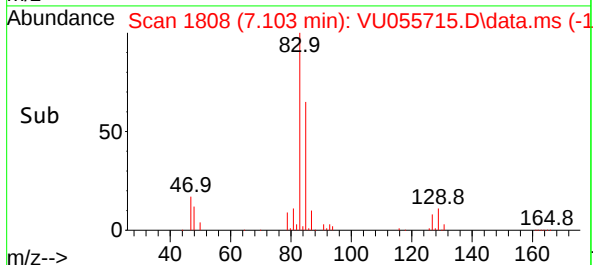
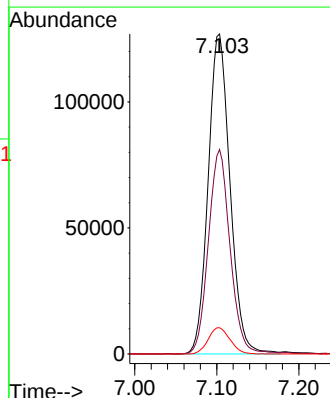
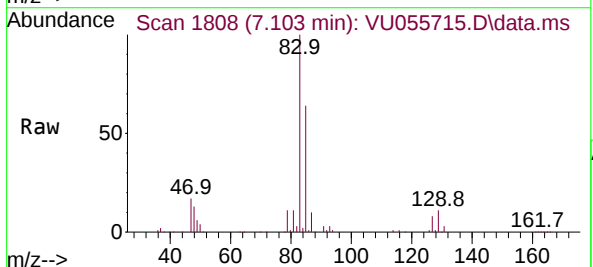
Tgt Ion: 83 Resp: 235169

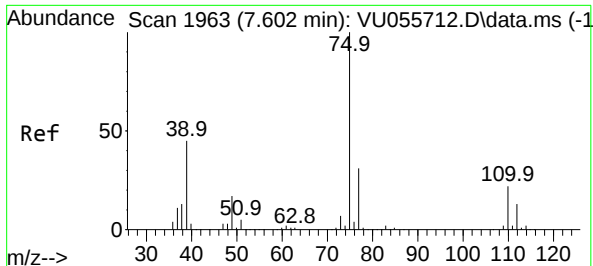
Ion Ratio Lower Upper

83 100

85 63.9 46.0 85.4

127 8.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 49.507 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

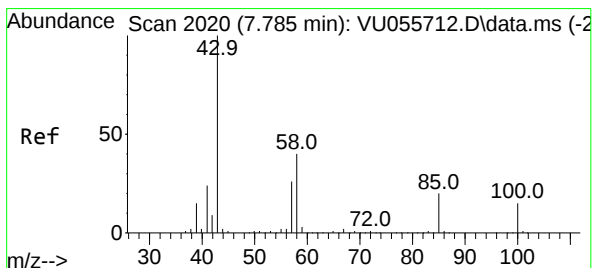
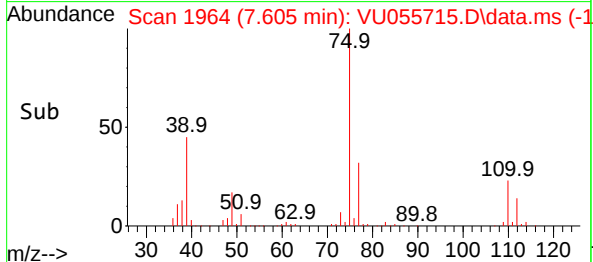
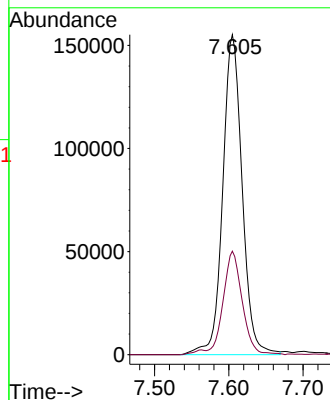
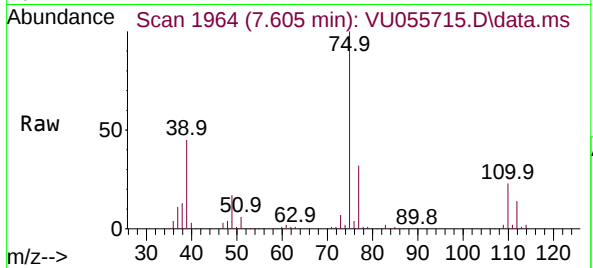
ClientSampleId :

Tgt Ion: 75 Resp: 282557

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 102.347 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

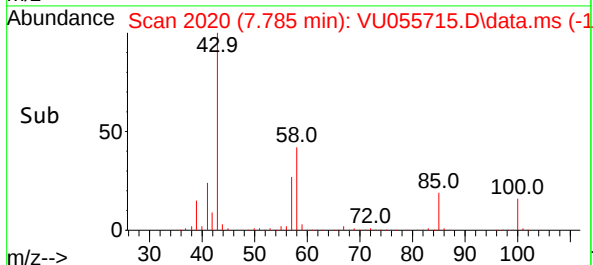
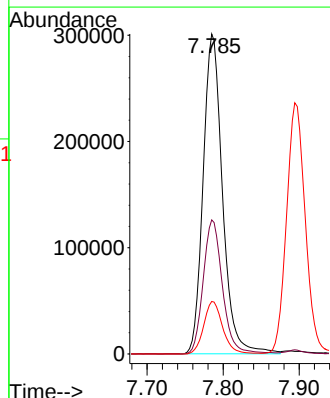
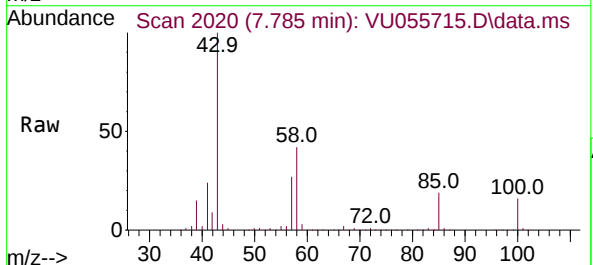
Tgt Ion: 43 Resp: 534154

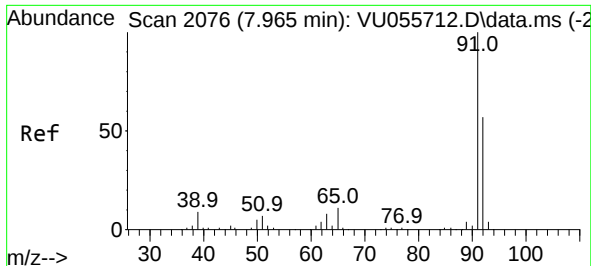
Ion Ratio Lower Upper

43 100

58 41.7 32.3 48.5

100 16.1 12.0 18.0





#42

Toluene

Concen: 49.319 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

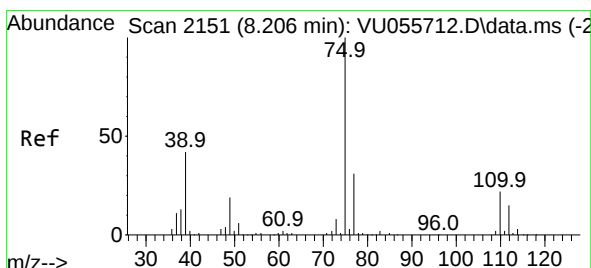
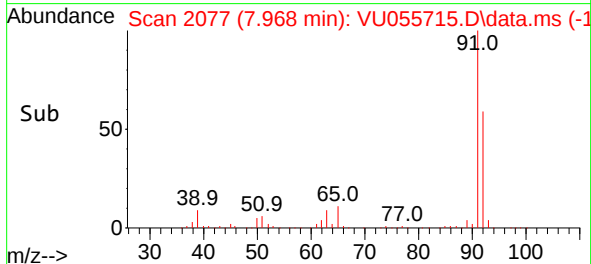
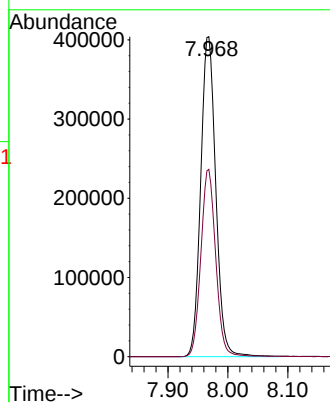
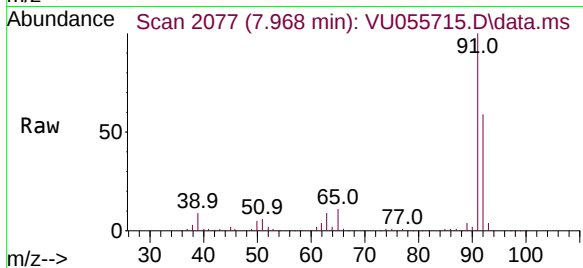
ClientSampleId :

Tgt Ion: 91 Resp: 708989

Ion Ratio Lower Upper

91 100

92 58.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 49.548 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055715.D

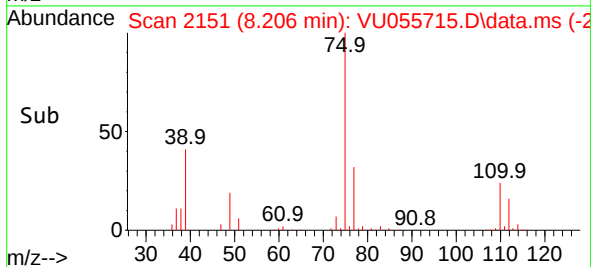
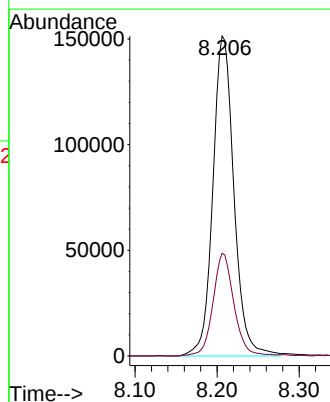
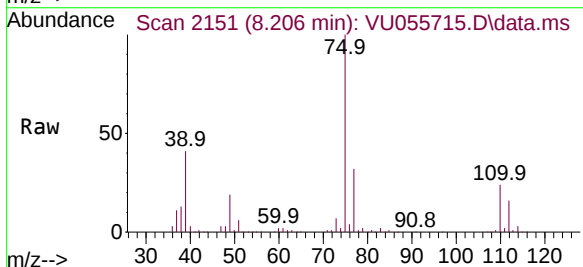
Acq: 10 Oct 2023 12:14

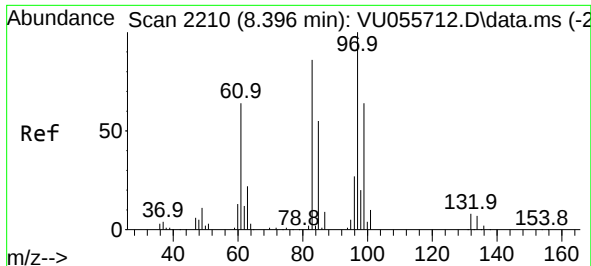
Tgt Ion: 75 Resp: 270575

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 46.229 ug/L

RT: 8.396 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 171009

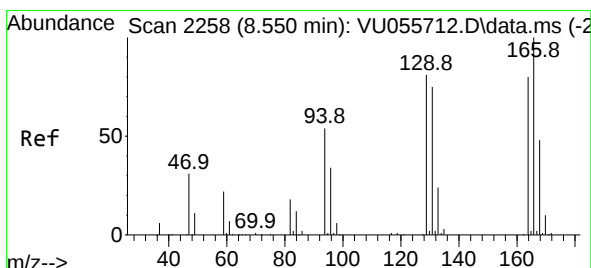
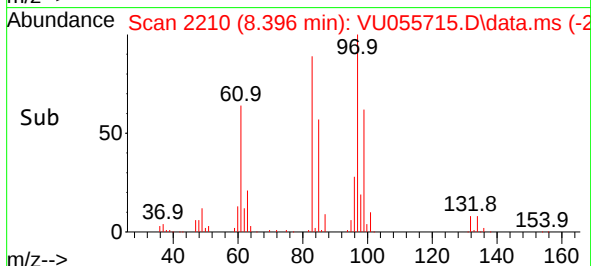
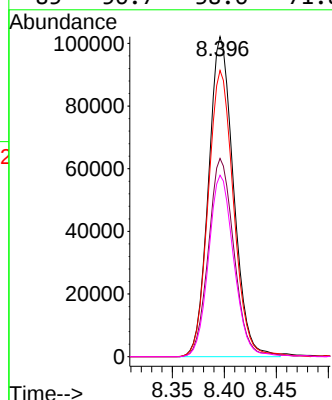
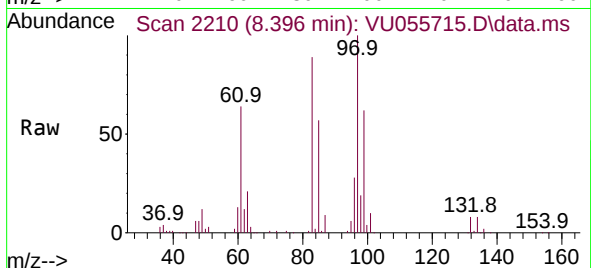
Ion Ratio Lower Upper

97 100

99 61.9 44.4 82.5

83 89.5 60.4 112.2

85 56.7 38.6 71.8



#46

Tetrachloroethene

Concen: 47.244 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Tgt Ion:164 Resp: 126092

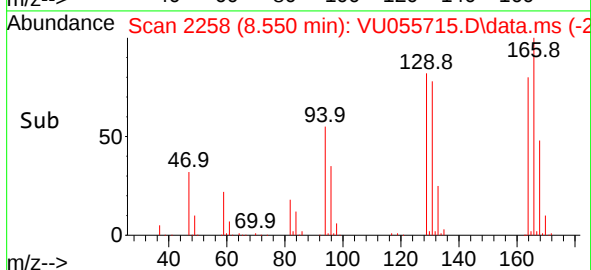
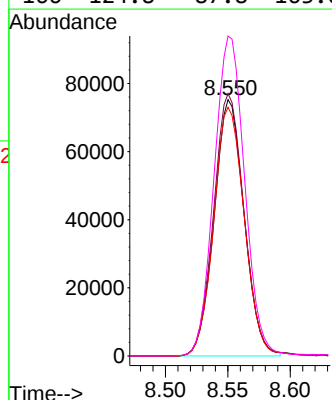
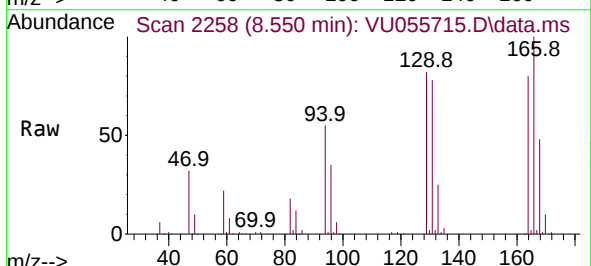
Ion Ratio Lower Upper

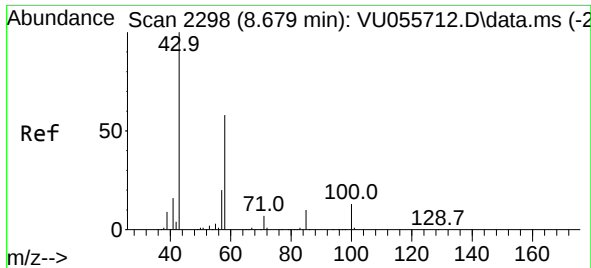
164 100

129 102.3 70.7 131.3

131 97.0 65.9 122.5

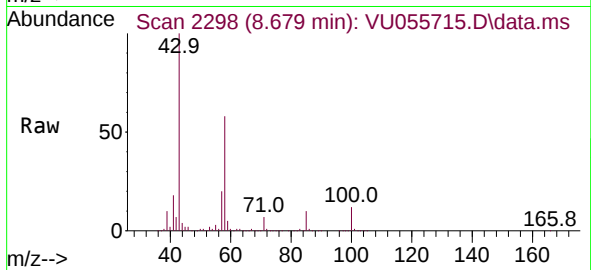
166 124.8 87.8 163.0





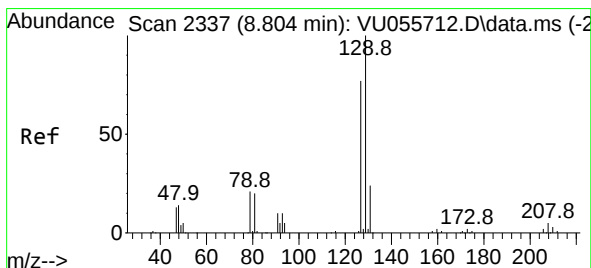
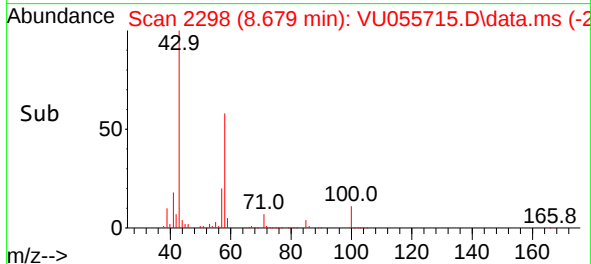
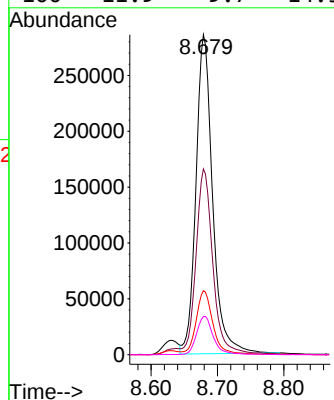
#48
2-Hexanone
Concen: 113.156 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 498832

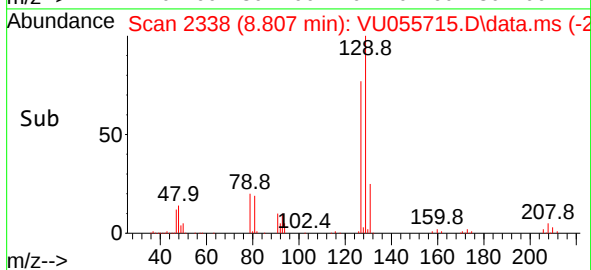
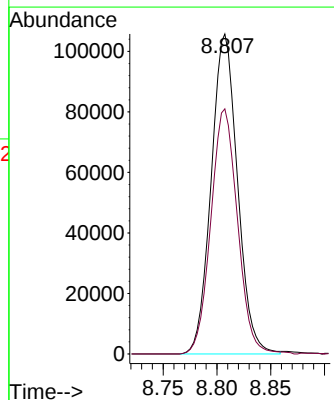
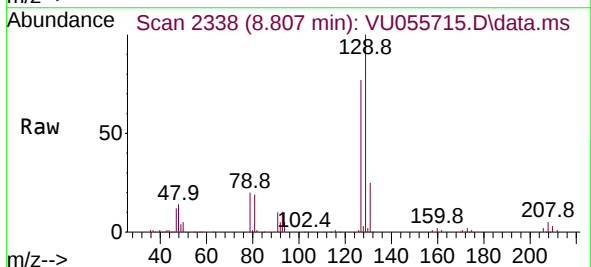
Ion	Ratio	Lower	Upper
43	100		
58	57.4	45.2	67.8
57	20.1	16.1	24.1
100	11.9	9.7	14.5

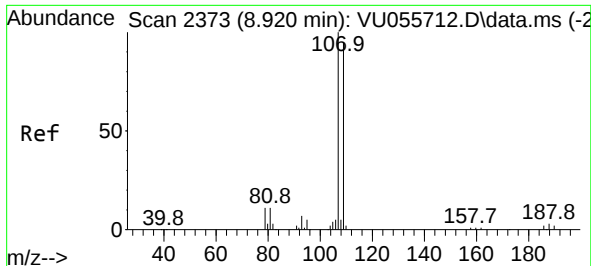


#49
Dibromochloromethane
Concen: 47.717 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion: 129 Resp: 180359

Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.0	100.4

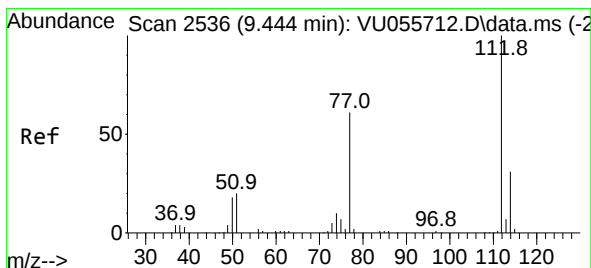
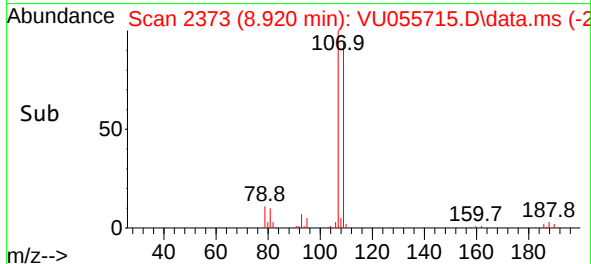
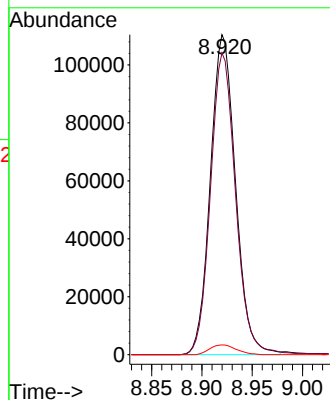
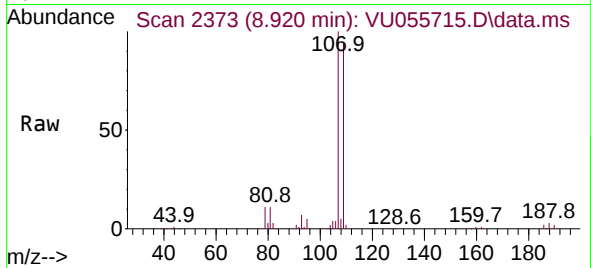




#50
1,2-Dibromoethane
Concen: 48.301 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

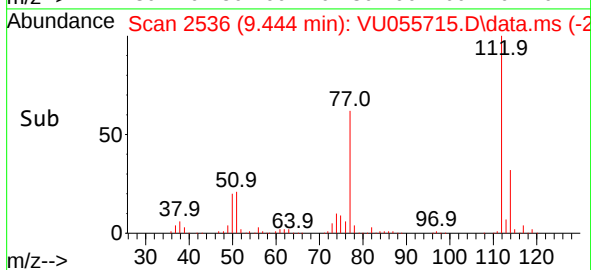
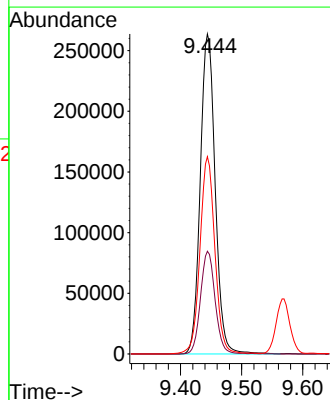
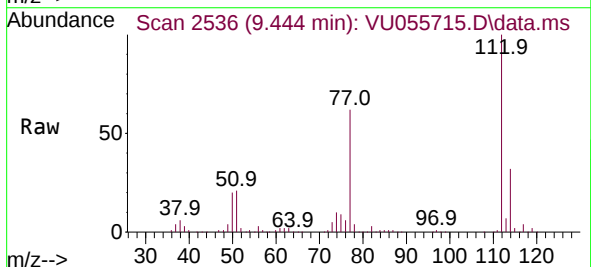
Instrument :
MSVOA_U
ClientSampleId :

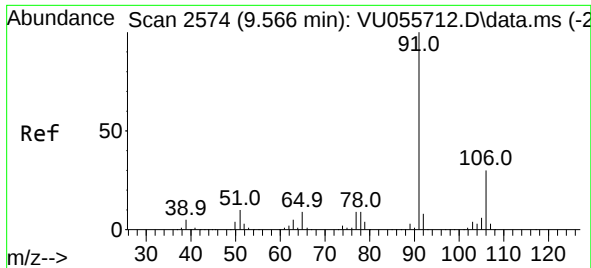
Tgt Ion:107 Resp: 191914
Ion Ratio Lower Upper
107 100
109 94.3 66.7 123.9
188 3.1 2.6 4.0



#51
Chlorobenzene
Concen: 48.083 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion:112 Resp: 447224
Ion Ratio Lower Upper
112 100
114 32.1 22.0 40.8
77 61.7 49.0 73.6

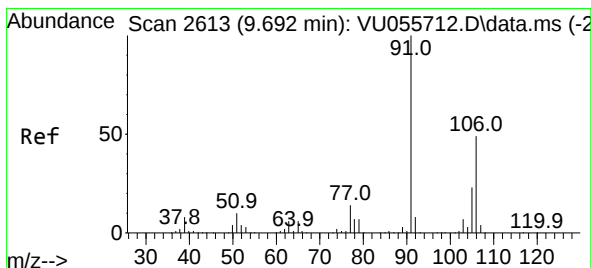
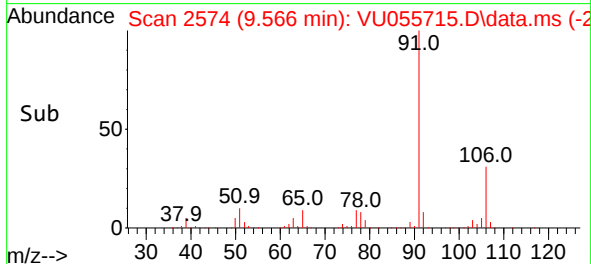
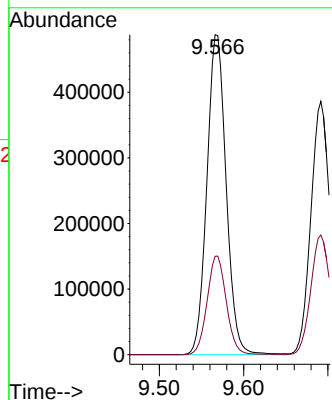
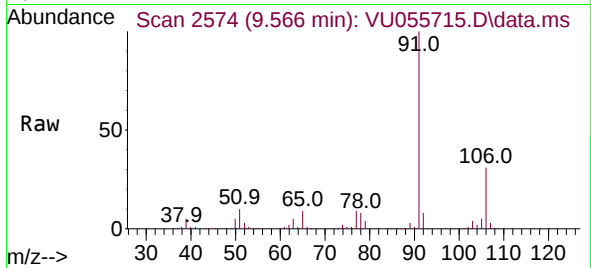




#52
Ethylbenzene
Concen: 49.334 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

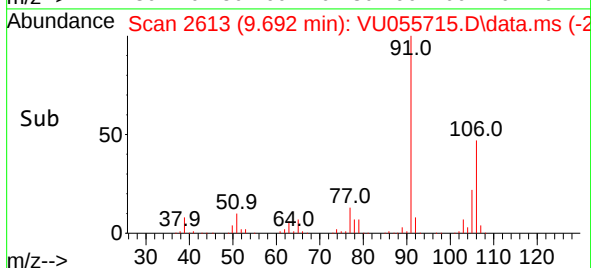
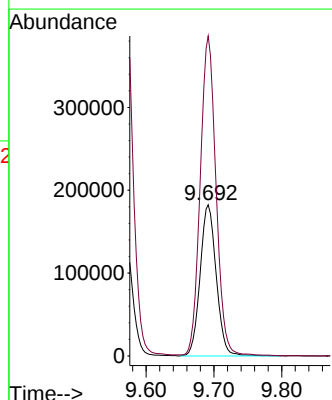
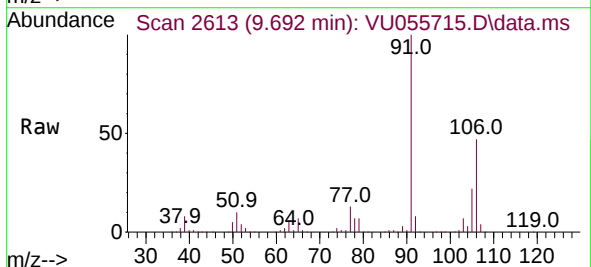
Instrument :
MSVOA_U
ClientSampleId :

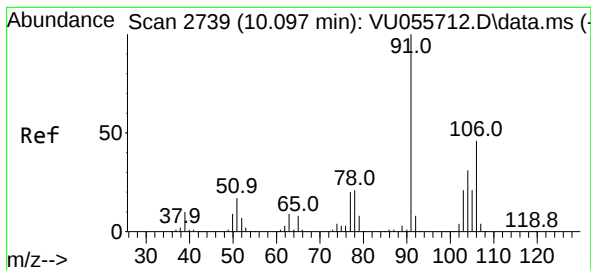
Tgt Ion: 91 Resp: 775360
Ion Ratio Lower Upper
91 100
106 30.8 21.2 39.4



#53
m,p-Xylene
Concen: 51.076 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion: 106 Resp: 300741
Ion Ratio Lower Upper
106 100
91 211.6 143.8 267.0





#54

o-Xylene

Concen: 50.269 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

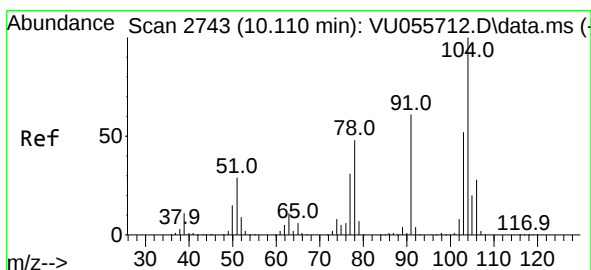
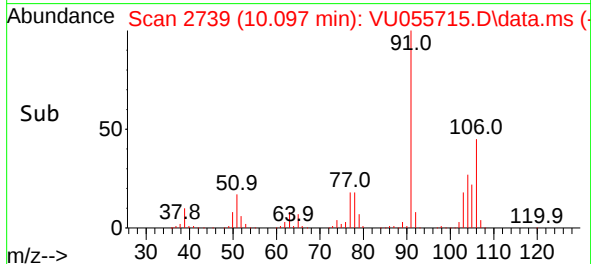
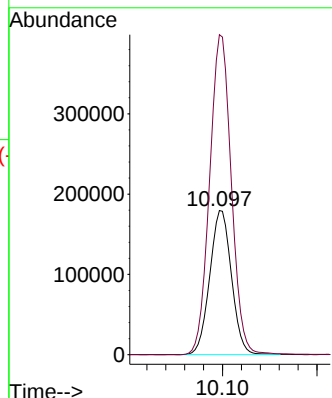
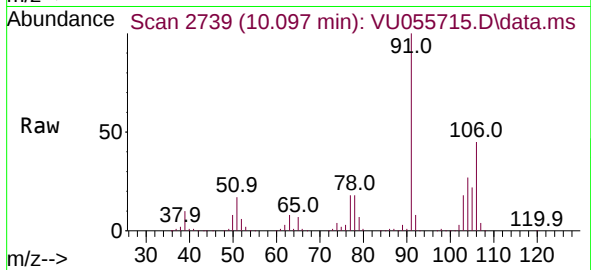
ClientSampleId :

Tgt Ion:106 Resp: 286425

Ion Ratio Lower Upper

106 100

91 222.0 151.8 282.0



#55

Styrene

Concen: 52.419 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU055715.D

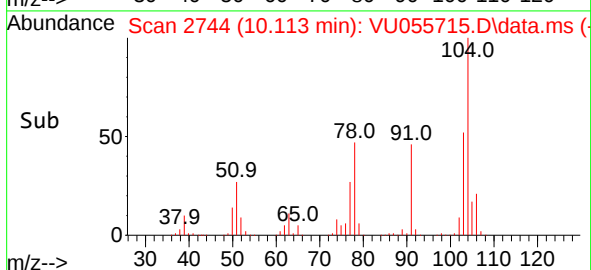
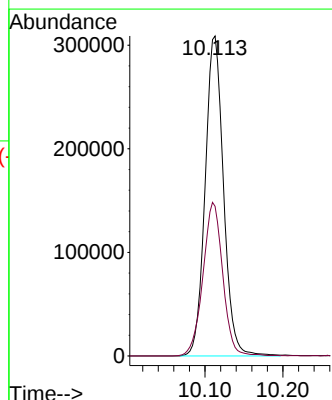
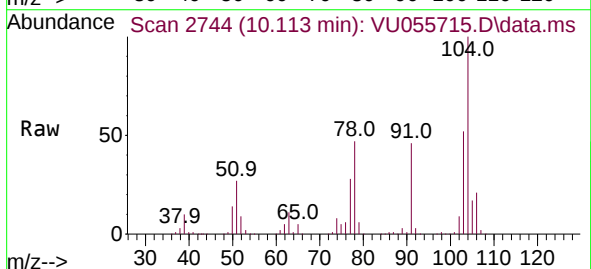
Acq: 10 Oct 2023 12:14

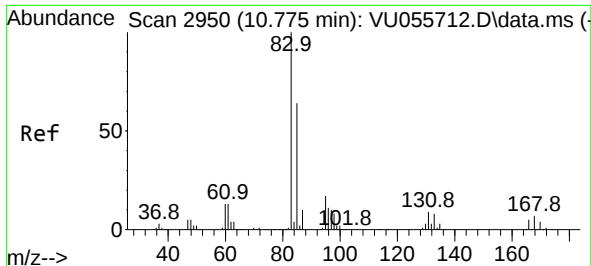
Tgt Ion:104 Resp: 505966

Ion Ratio Lower Upper

104 100

78 46.7 33.6 62.4

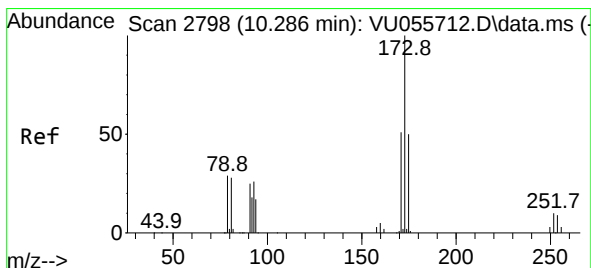
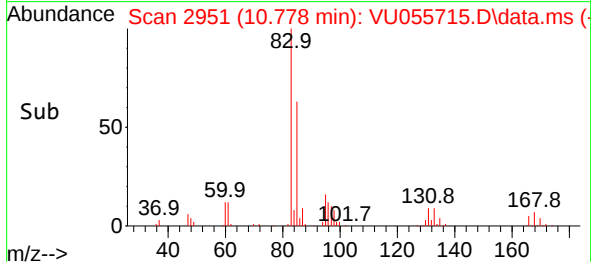
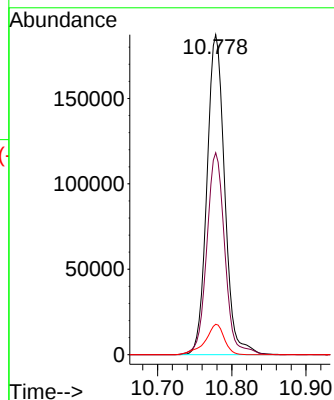
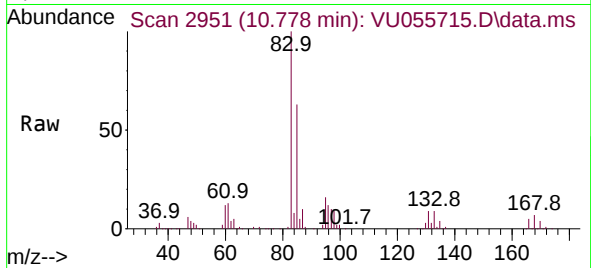




#57
1,1,2,2-Tetrachloroethane
Concen: 49.023 ug/L
RT: 10.778 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

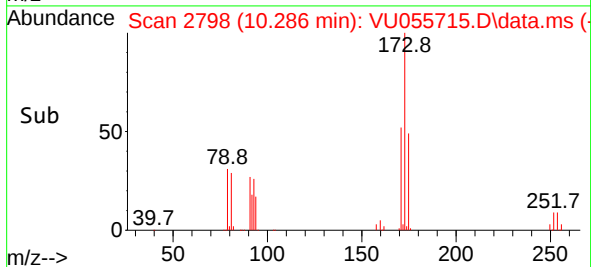
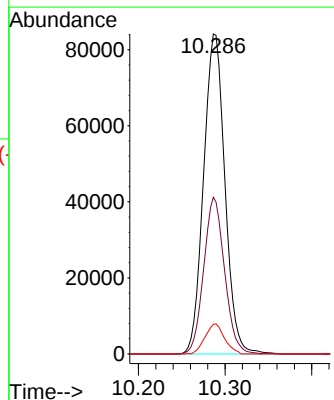
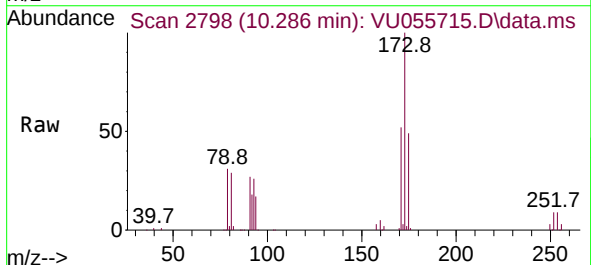
Instrument :
MSVOA_U
ClientSampleId :

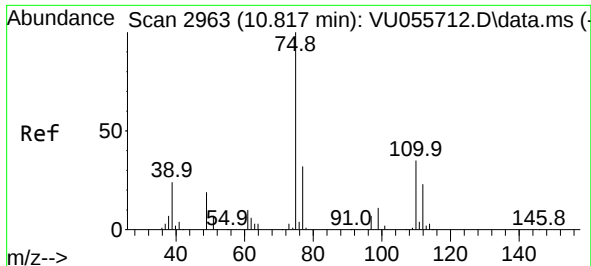
Tgt Ion: 83 Resp: 310516
Ion Ratio Lower Upper
83 100
85 63.1 44.9 83.5
131 9.5 7.3 10.9



#59
Bromoform
Concen: 47.787 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion:173 Resp: 144123
Ion Ratio Lower Upper
173 100
175 47.7 40.4 60.6
254 8.6 7.3 10.9

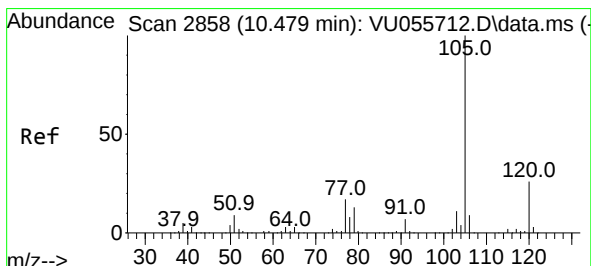
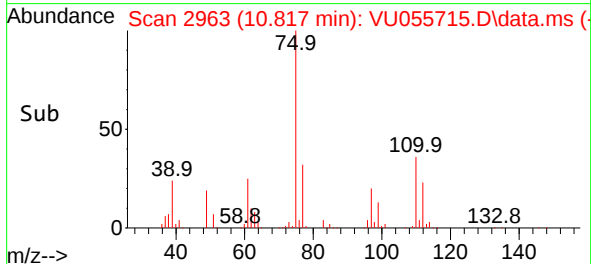
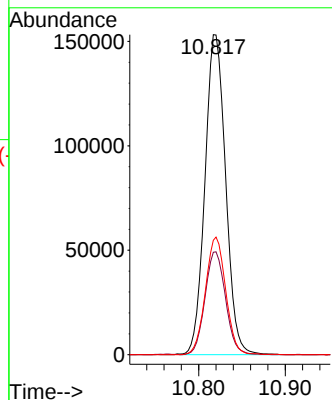
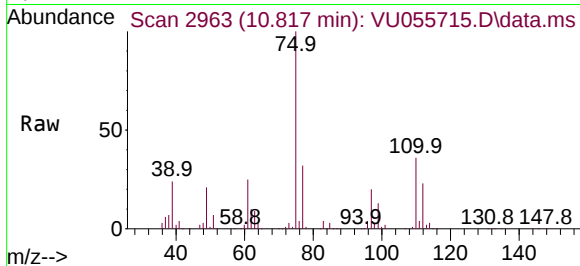




#60
1,2,3-Trichloropropane
Concen: 47.926 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

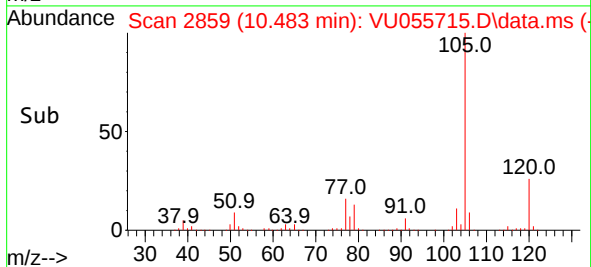
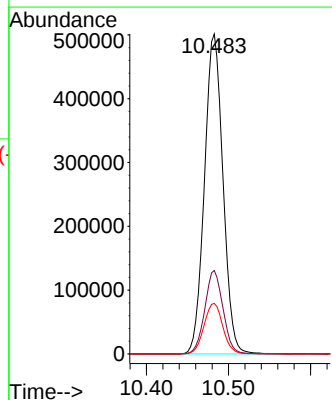
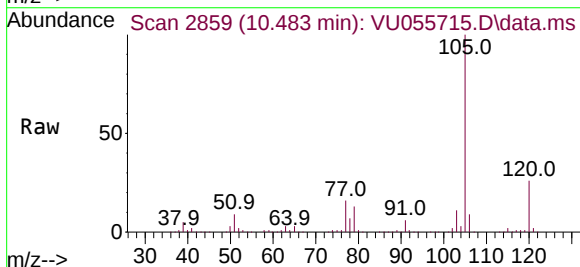
Instrument :
MSVOA_U
ClientSampleId :

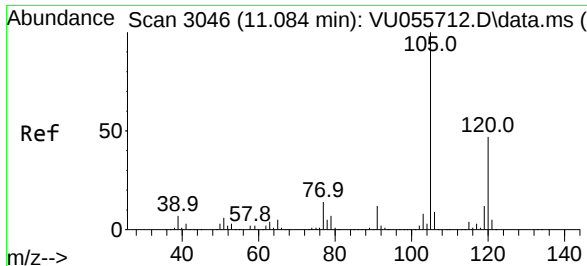
Tgt Ion: 75 Resp: 254826
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
110 35.9 28.5 42.7



#61
Isopropylbenzene
Concen: 51.503 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU055715.D
Acq: 10 Oct 2023 12:14

Tgt Ion: 105 Resp: 786616
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 16.2 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 52.502 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

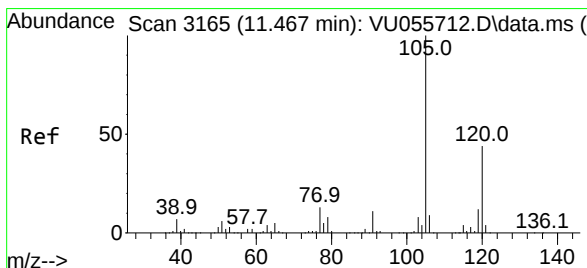
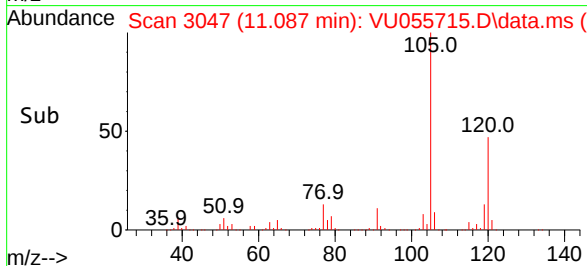
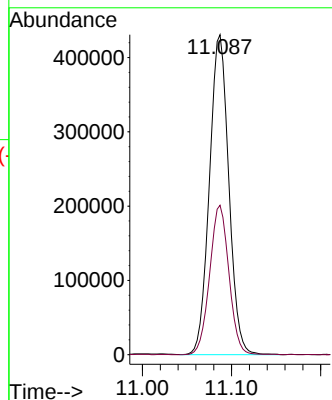
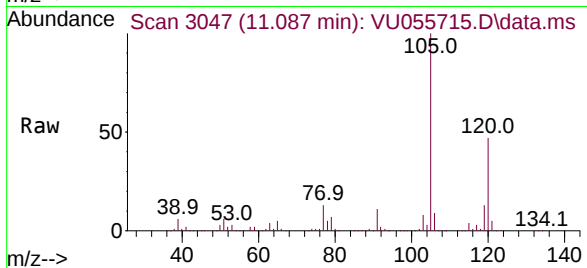
ClientSampleId :

Tgt Ion:105 Resp: 648845

Ion Ratio Lower Upper

105 100

120 46.4 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 53.607 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VU055715.D

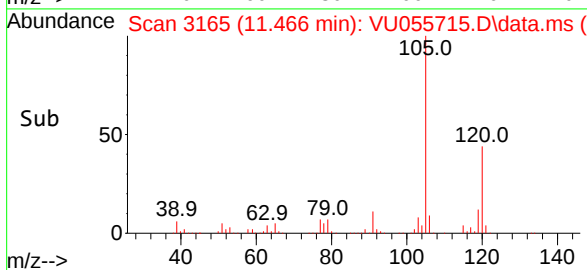
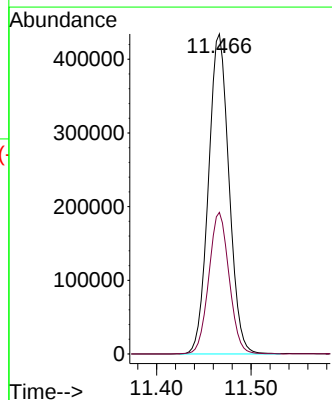
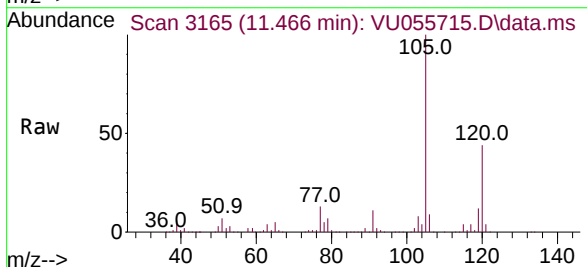
Acq: 10 Oct 2023 12:14

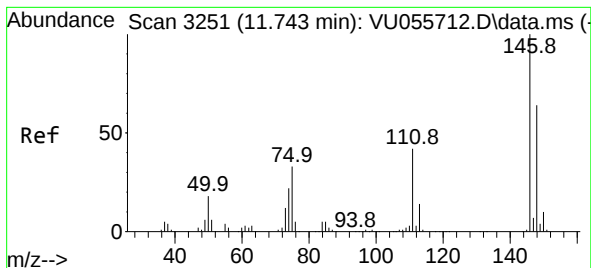
Tgt Ion:105 Resp: 655101

Ion Ratio Lower Upper

105 100

120 43.9 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 49.397 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. -0.000 min

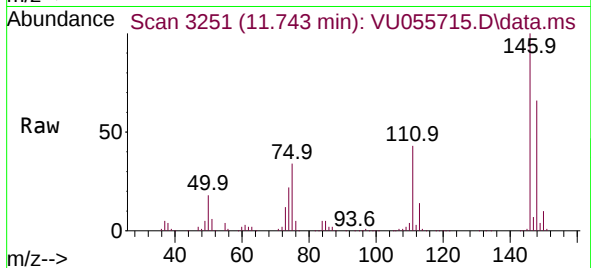
Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :



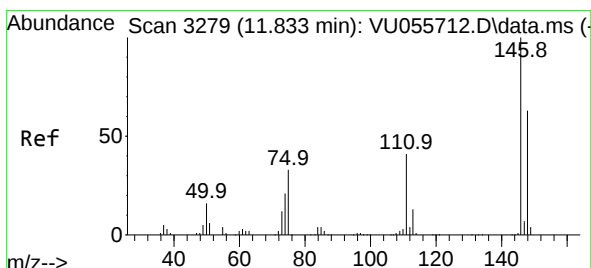
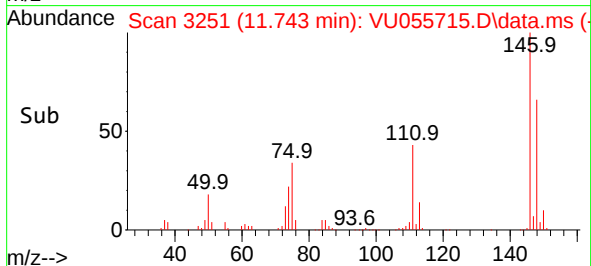
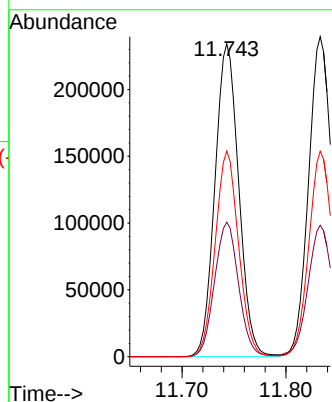
Tgt Ion:146 Resp: 372952

Ion Ratio Lower Upper

146 100

111 43.0 29.7 55.1

148 65.7 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 49.786 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

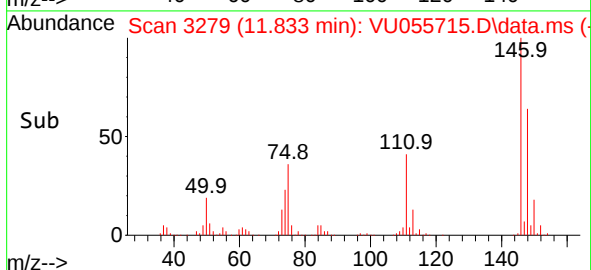
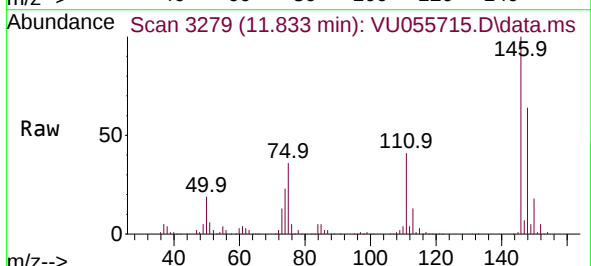
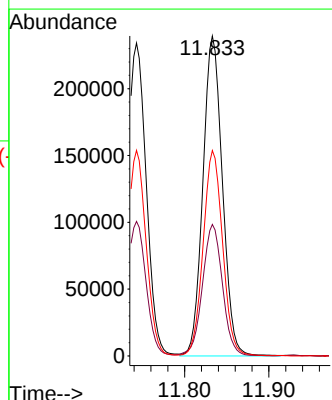
Tgt Ion:146 Resp: 386468

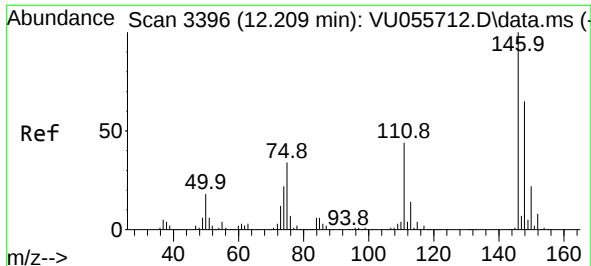
Ion Ratio Lower Upper

146 100

111 41.1 28.6 53.0

148 64.2 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 49.252 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :

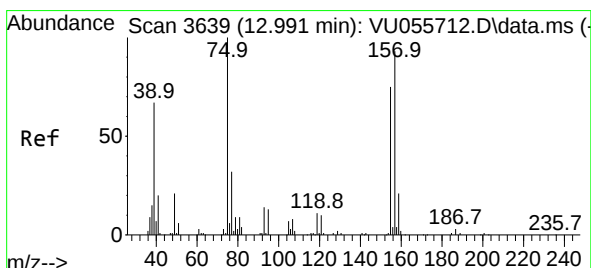
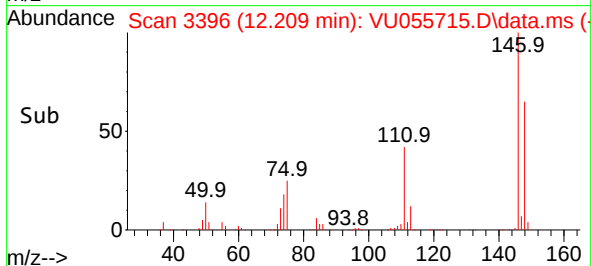
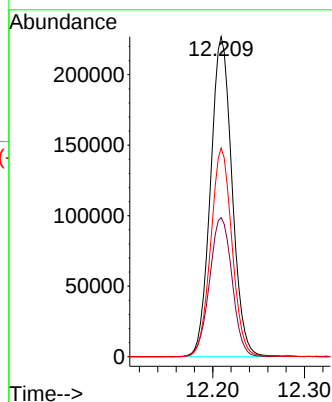
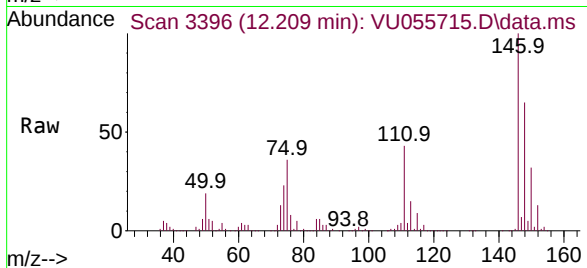
Tgt Ion:146 Resp: 369024

Ion Ratio Lower Upper

146 100

111 43.4 35.2 52.8

148 65.2 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 52.562 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

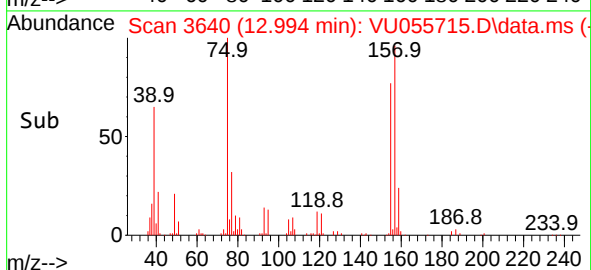
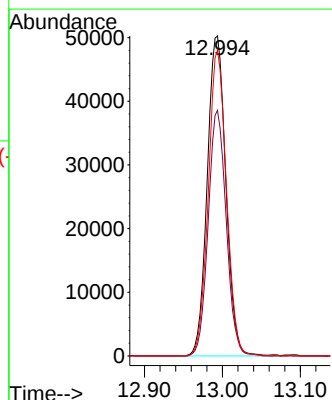
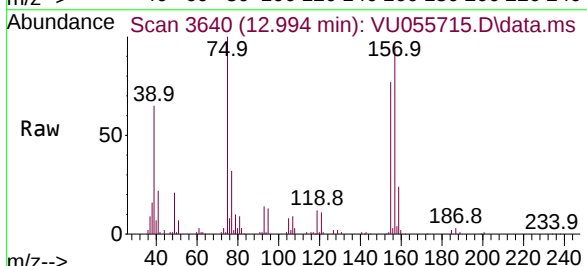
Tgt Ion: 75 Resp: 83553

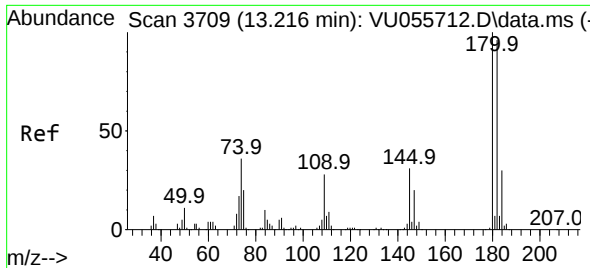
Ion Ratio Lower Upper

75 100

155 76.7 59.6 89.4

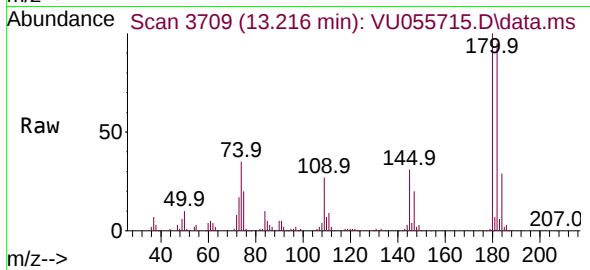
157 95.6 77.7 116.5



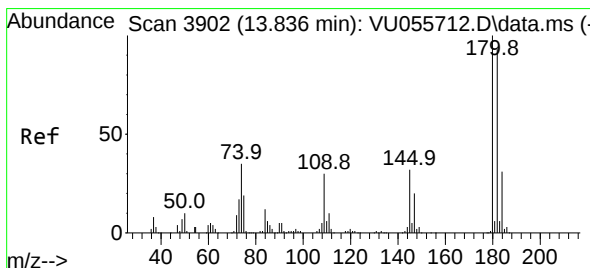
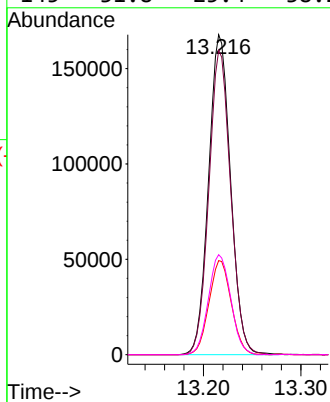
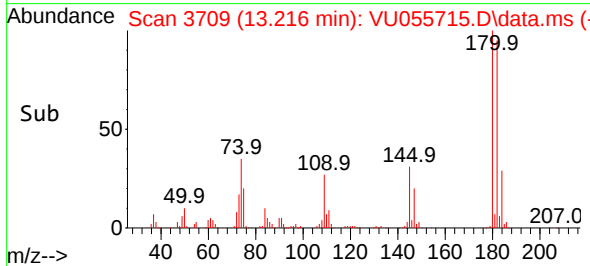


#69
 1,3,5-Trichlorobenzene
 Concen: 52.192 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU055715.D
 Acq: 10 Oct 2023 12:14

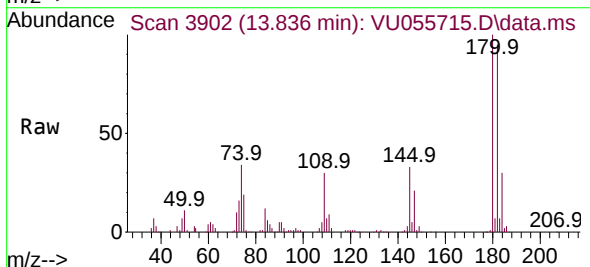
Instrument :
 MSVOA_U
 ClientSampleId :



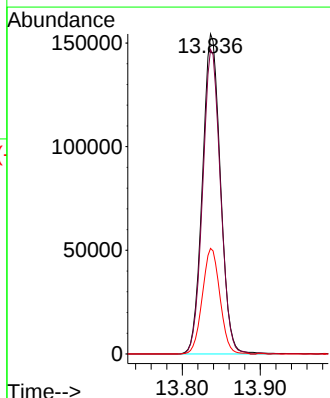
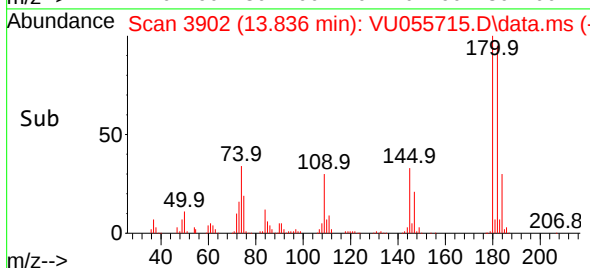
Tgt Ion:180 Resp: 262845
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.2 114.2
 184 29.9 23.9 35.9
 145 31.8 25.4 38.2

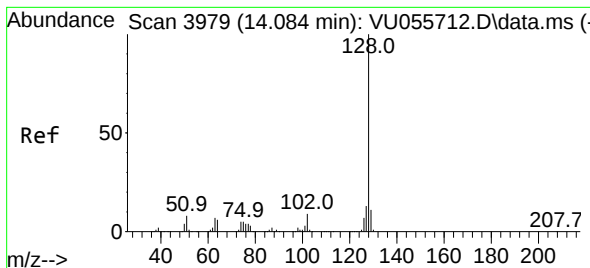


#70
 1,2,4-trichlorobenzene
 Concen: 59.080 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055715.D
 Acq: 10 Oct 2023 12:14



Tgt Ion:180 Resp: 247832
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.4 113.2
 145 32.2 26.1 39.1





#71

Naphthalene

Concen: 73.697 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :

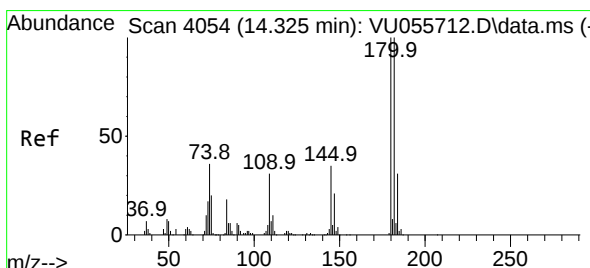
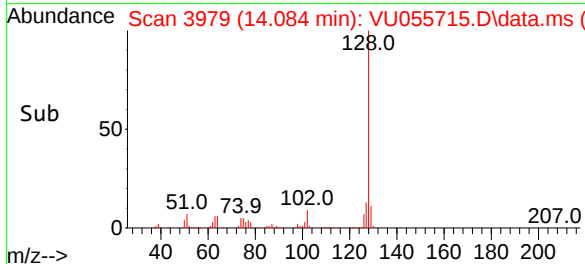
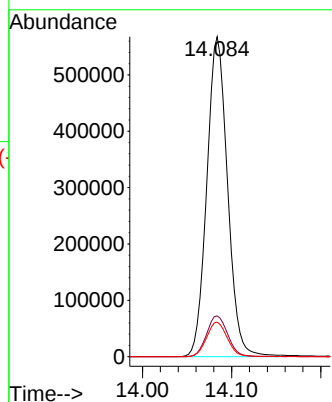
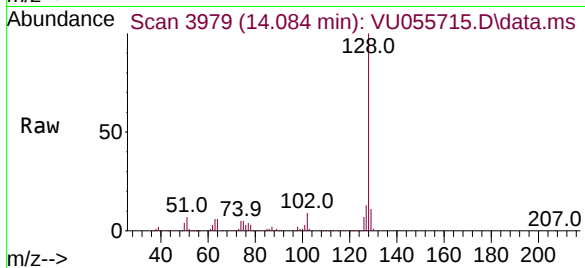
Tgt Ion:128 Resp: 918344

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 59.968 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU055715.D

Acq: 10 Oct 2023 12:14

Tgt Ion:180 Resp: 248020

Ion Ratio Lower Upper

180 100

182 96.1 78.1 117.1

145 34.7 27.4 41.0

