

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055716.D
 Acq On : 10 Oct 2023 12:39
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 05:31:09 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	427917	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	427915	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	238743	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	181302	47.235	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.480%
7) Chloroethane-d5	1.911	69	143871	45.856	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.720%
11) 1,1-Dichloroethene-d2	2.566	63	321097	46.918	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.840%
21) 2-Butanone-d5	4.611	46	281970	99.143	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.140%
24) Chloroform-d	5.058	84	342840	46.593	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.180%
26) 1,2-Dichloroethane-d4	5.698	65	215330	47.543	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.080%
32) Benzene-d6	5.724	84	682610	49.857	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.720%
36) 1,2-Dichloropropane-d6	6.685	67	211409	48.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.540%
41) Toluene-d8	7.894	98	625638	50.606	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.220%
43) trans-1,3-Dichloroprop...	8.177	79	109586	52.632	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.260%
47) 2-Hexanone-d5	8.627	63	182934	107.358	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.360%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	326002	48.863	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.720%
66) 1,2-Dichlorobenzene-d4	12.190	152	237319	50.091	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	156184	43.835	ug/L	99
3) Chloromethane	1.522	50	156465	46.409	ug/L	100
5) Vinyl chloride	1.605	62	168381	45.383	ug/L	98
6) Bromomethane	1.856	94	109041	45.972	ug/L	96
8) Chloroethane	1.933	64	108092	44.415	ug/L	99
9) Trichlorofluoromethane	2.139	101	236927	44.694	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	149860	43.958	ug/L	99
12) 1,1-Dichloroethene	2.579	96	139303	45.919	ug/L	99
13) Acetone	2.618	43	241127	91.361	ug/L	98
14) Carbon disulfide	2.792	76	415376	44.993	ug/L	98
15) Methyl Acetate	2.943	43	188698	46.685	ug/L	98
16) Methylene chloride	3.042	84	166724	45.318	ug/L	99
17) trans-1,2-Dichloroethene	3.351	96	142909	46.068	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	481873	48.301	ug/L	99
19) 1,1-Dichloroethane	3.865	63	285721	44.913	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	167425	47.289	ug/L	96
22) 2-Butanone	4.692	43	299291	94.082	ug/L	99
23) Bromochloromethane	4.972	128	85663	46.719	ug/L	99
25) Chloroform	5.084	83	299481	45.065	ug/L	99

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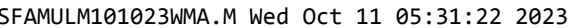
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 ClientSampleId :

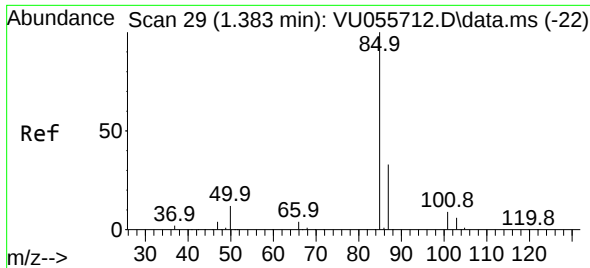
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	246335	46.345	ug/L	99
29) Cyclohexane	5.386	56	242227	49.385	ug/L	99
30) 1,1,1-Trichloroethane	5.312	97	260139	47.054	ug/L	99
31) Carbon tetrachloride	5.521	117	231167	47.771	ug/L	99
33) Benzene	5.772	78	646446	47.790	ug/L	100
34) Trichloroethene	6.537	95	176332	47.642	ug/L	98
35) Methylcyclohexane	6.759	83	261956	48.782	ug/L	98
37) 1,2-Dichloropropane	6.788	63	175687	47.167	ug/L	99
38) Bromodichloromethane	7.100	83	234089	47.657	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	286161	50.498	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	521737	100.686	ug/L	98
42) Toluene	7.965	91	698646	48.948	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	268135	49.453	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	173529	47.247	ug/L	98
46) Tetrachloroethene	8.550	164	121643	45.905	ug/L	98
48) 2-Hexanone	8.679	43	469490	107.265	ug/L	99
49) Dibromochloromethane	8.804	129	179859	47.927	ug/L	99
50) 1,2-Dibromoethane	8.920	107	188788	47.856	ug/L	98
51) Chlorobenzene	9.444	112	434380	47.037	ug/L	99
52) Ethylbenzene	9.566	91	762991	48.895	ug/L	100
53) m,p-Xylene	9.692	106	288135	49.287	ug/L	96
54) o-Xylene	10.097	106	280215	49.532	ug/L	98
55) Styrene	10.110	104	494985	51.649	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	306768	48.779	ug/L	99
59) Bromoform	10.286	173	140717	47.880	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	248008	47.865	ug/L	99
61) Isopropylbenzene	10.483	105	751488	50.491	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	622294	51.672	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	627787	52.717	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	357583	48.601	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	368683	48.738	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	353923	48.473	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	77972	50.335	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	245914	50.108	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	219412	53.674	ug/L	99
71) Naphthalene	14.084	128	792061	65.227	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	220926	54.816	ug/L	99

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

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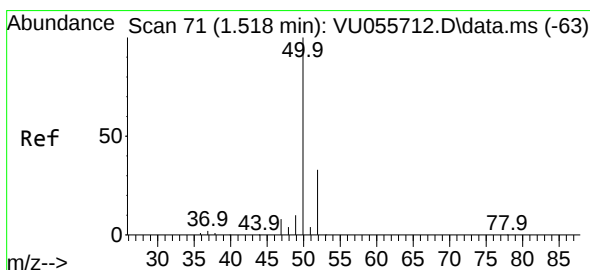
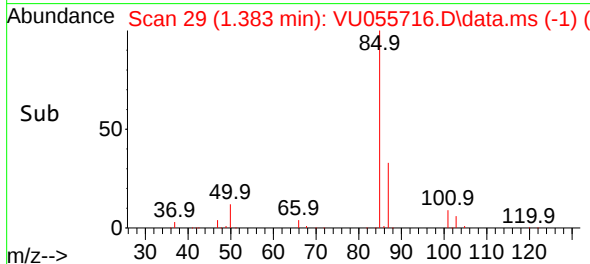
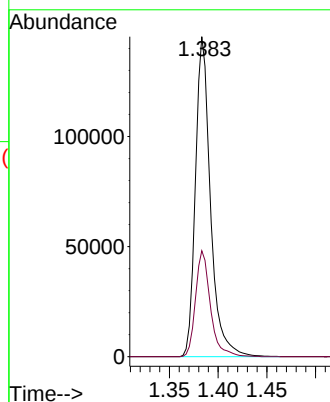
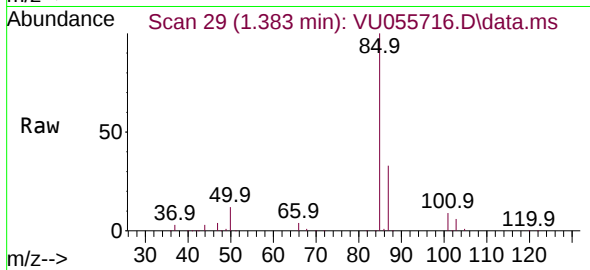




#2
 Dichlorodifluoromethane
 Concen: 43.835 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055716.D
 Acq: 10 Oct 2023 12:39

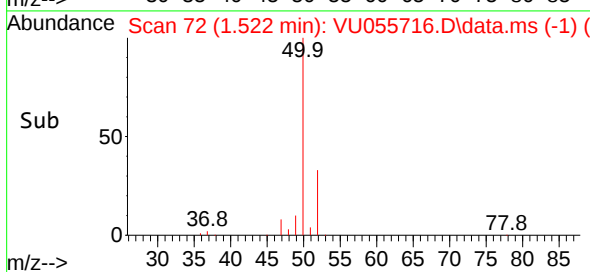
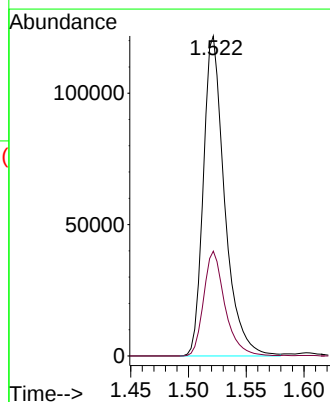
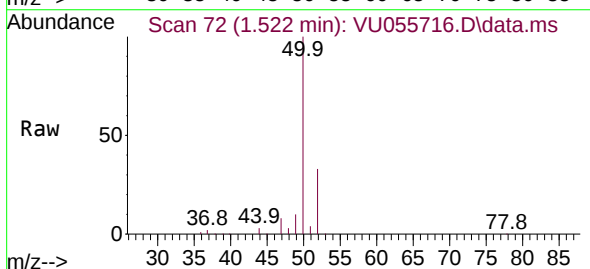
Instrument :
 MSVOA_U
 ClientSampleId :

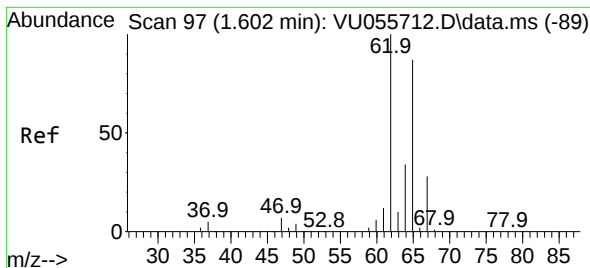
Tgt Ion: 85 Resp: 156184
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.0 39.0



#3
 Chloromethane
 Concen: 46.409 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU055716.D
 Acq: 10 Oct 2023 12:39

Tgt Ion: 50 Resp: 156465
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.8 42.4





#5

Vinyl chloride

Concen: 45.383 ug/L

RT: 1.605 min Scan# 97

Delta R.T. 0.003 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

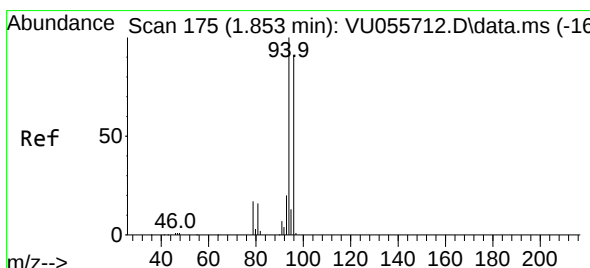
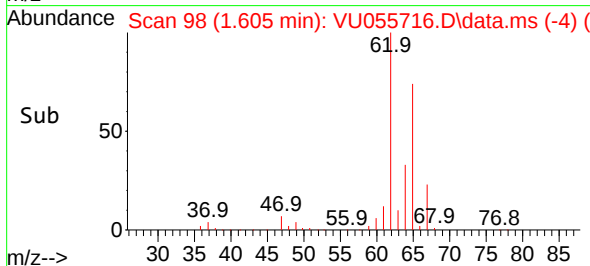
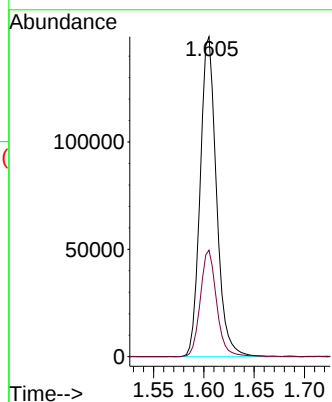
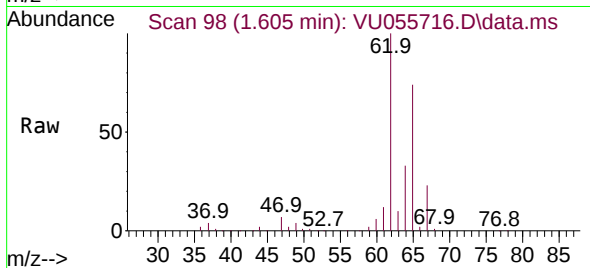
ClientSampleId :

Tgt Ion: 62 Resp: 168381

Ion Ratio Lower Upper

62 100

64 33.3 23.9 44.5



#6

Bromomethane

Concen: 45.972 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.003 min

Lab File: VU055716.D

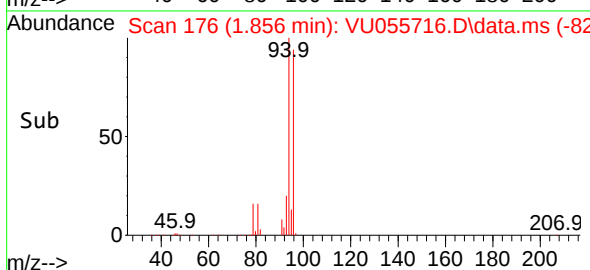
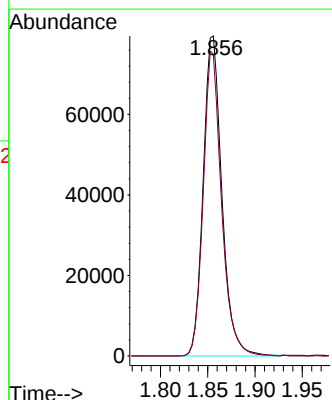
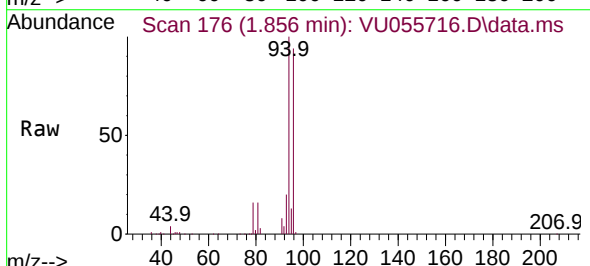
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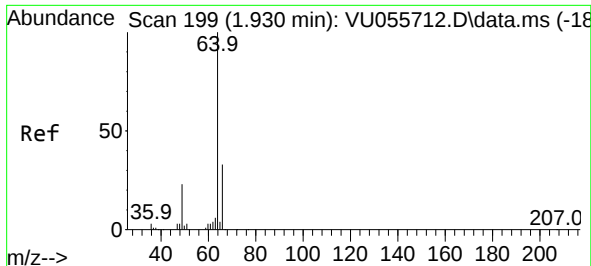
Tgt Ion: 94 Resp: 109041

Ion Ratio Lower Upper

94 100

96 94.4 63.5 117.9

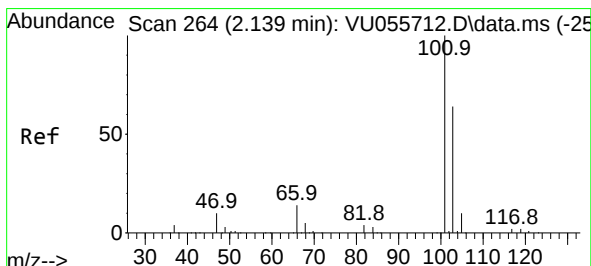
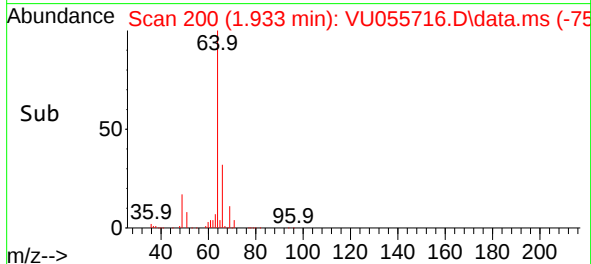
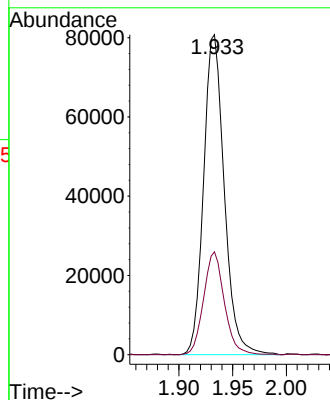
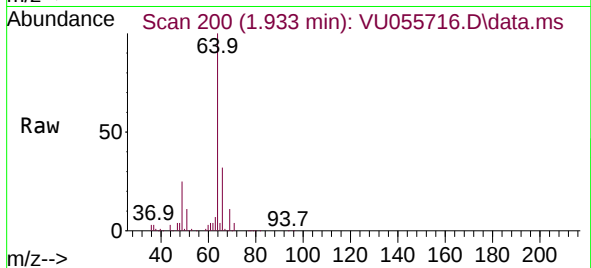




#8
Chloroethane
Concen: 44.415 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

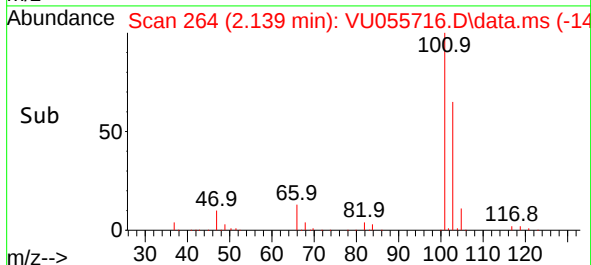
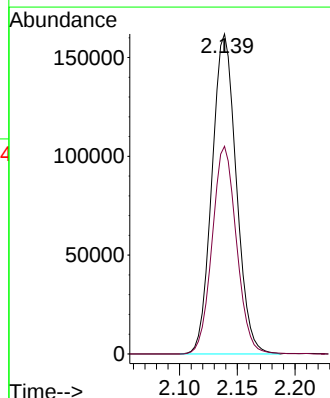
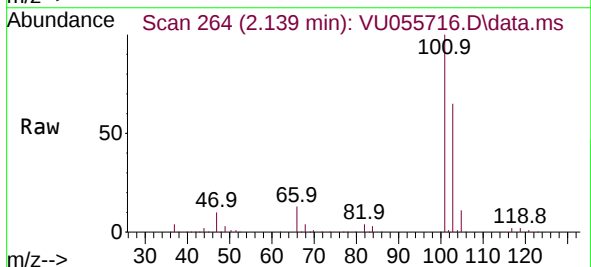
Instrument :
MSVOA_U
ClientSampleId :

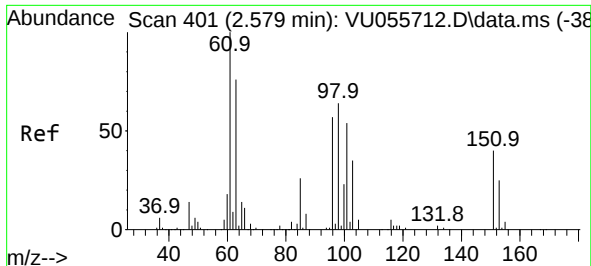
Tgt Ion: 64 Resp: 108092
Ion Ratio Lower Upper
64 100
66 32.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 44.694 ug/L
RT: 2.139 min Scan# 264
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

Tgt Ion:101 Resp: 236927
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9

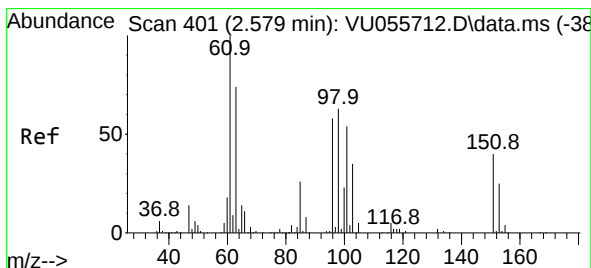
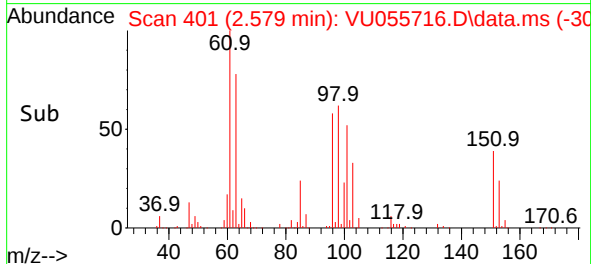
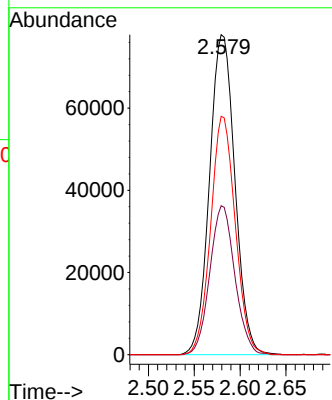
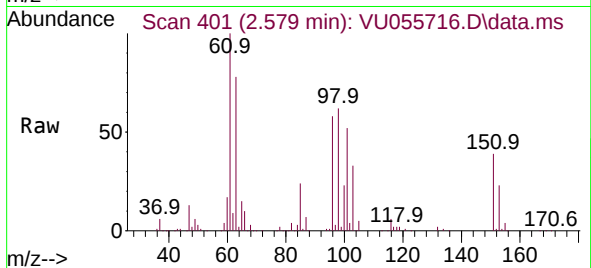




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.958 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU055716.D
 Acq: 10 Oct 2023 12:39

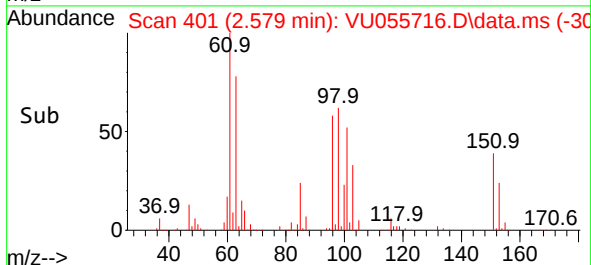
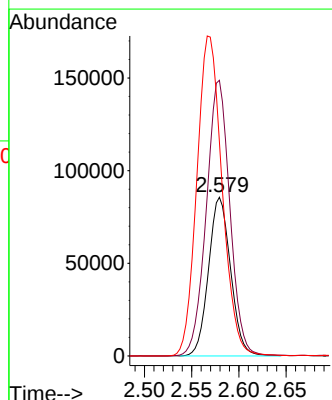
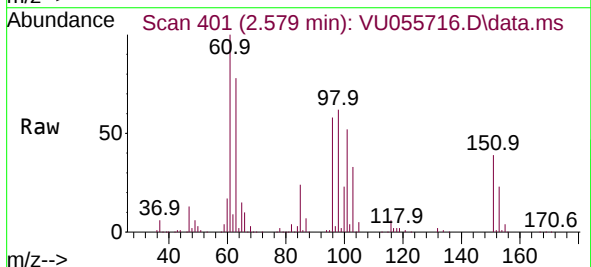
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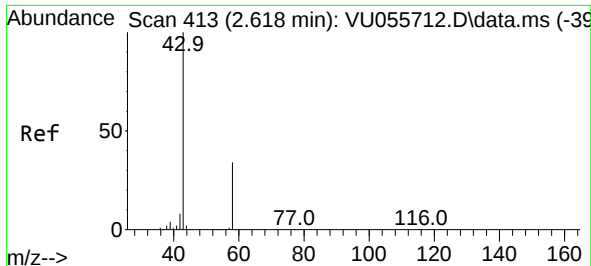
Tgt Ion:101 Resp: 149860
 Ion Ratio Lower Upper
 101 100
 85 45.9 37.1 55.7
 151 72.3 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 45.919 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU055716.D
 Acq: 10 Oct 2023 12:39

Tgt Ion: 96 Resp: 139303
 Ion Ratio Lower Upper
 96 100
 61 173.7 122.0 226.6
 63 134.9 93.7 174.1





#13

Acetone

Concen: 91.361 ug/L

RT: 2.618 min Scan# 413

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

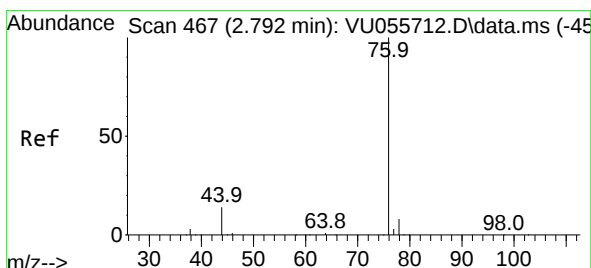
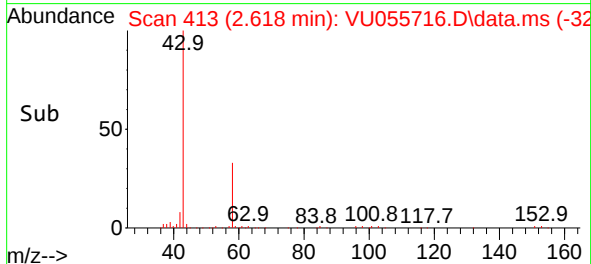
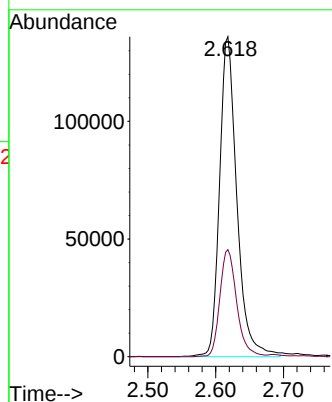
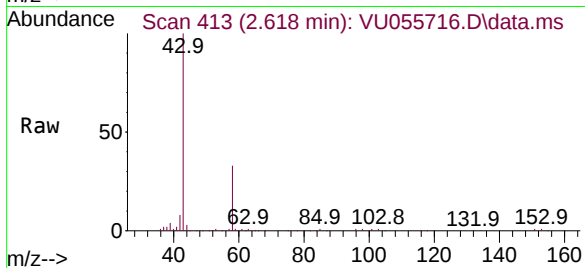
ClientSampleId :

Tgt Ion: 43 Resp: 241127

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.4



#14

Carbon disulfide

Concen: 44.993 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055716.D

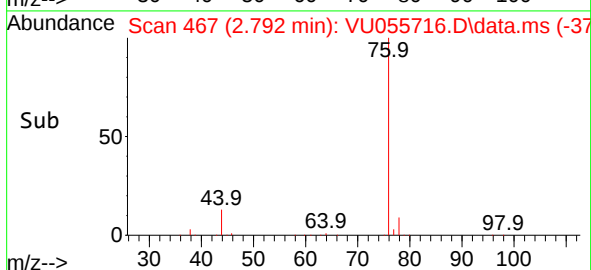
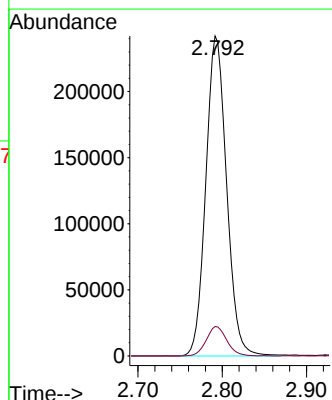
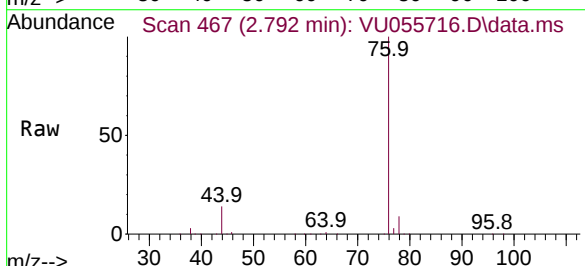
Acq: 10 Oct 2023 12:39

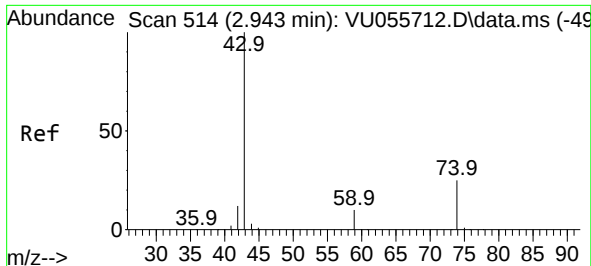
Tgt Ion: 76 Resp: 415376

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

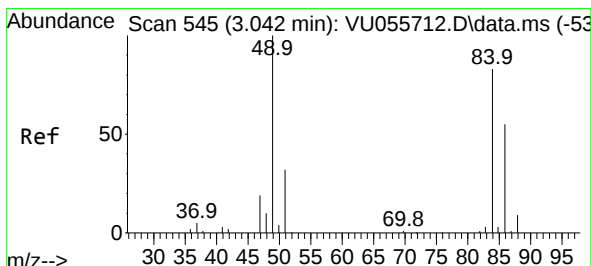
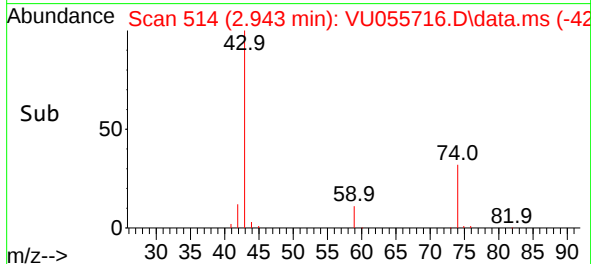
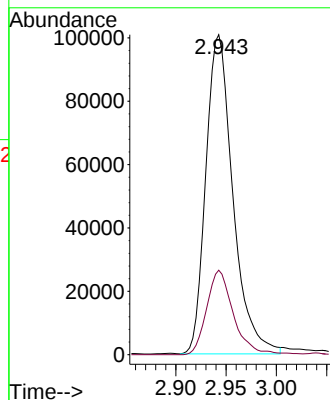
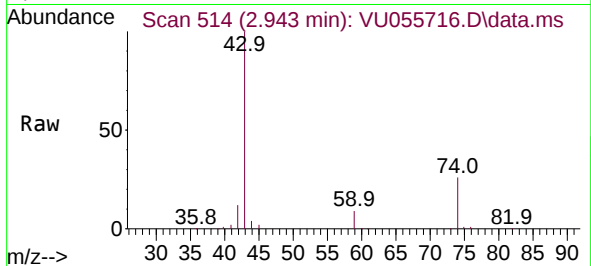




#15
Methyl Acetate
Concen: 46.685 ug/L
RT: 2.943 min Scan# 514
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

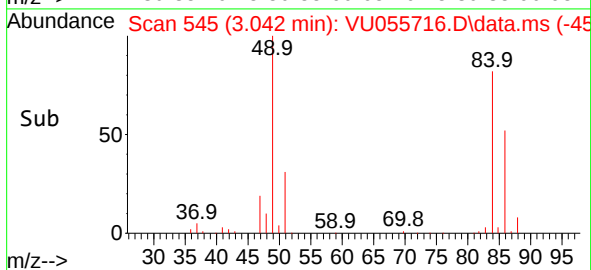
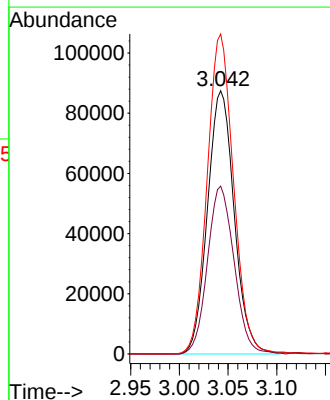
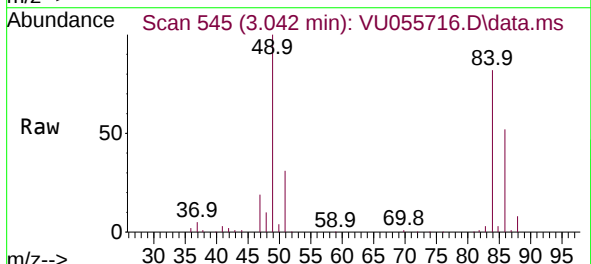
Instrument :
MSVOA_U
ClientSampleId :

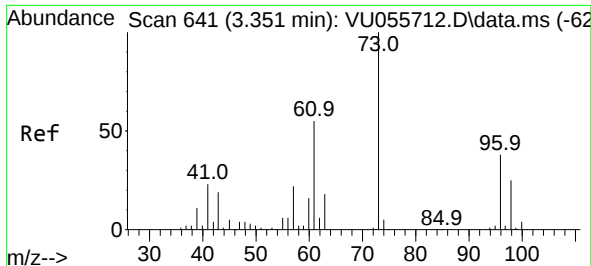
Tgt Ion: 43 Resp: 188698
Ion Ratio Lower Upper
43 100
74 25.5 19.5 29.3



#16
Methylene chloride
Concen: 45.318 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

Tgt Ion: 84 Resp: 166724
Ion Ratio Lower Upper
84 100
86 63.8 46.3 86.1
49 121.6 84.8 157.6





#17

trans-1,2-Dichloroethene

Concen: 46.068 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

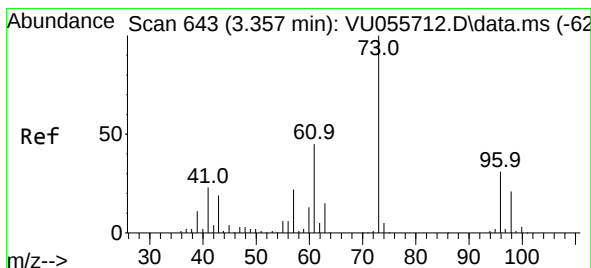
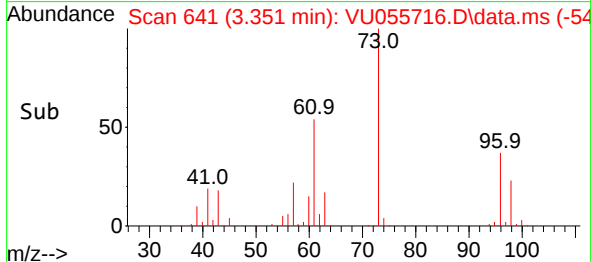
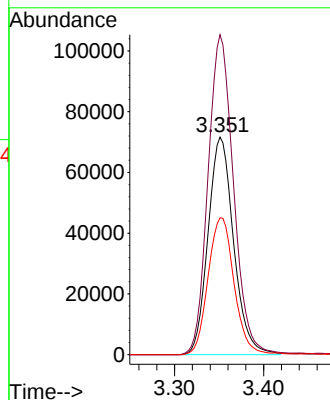
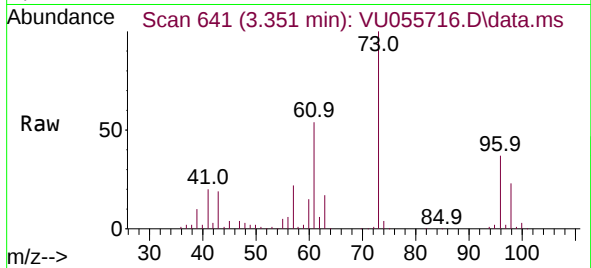
Tgt Ion: 96 Resp: 142909

Ion Ratio Lower Upper

96 100

61 147.1 102.1 189.7

98 62.9 46.3 86.1



#18

Methyl tert-butyl Ether

Concen: 48.301 ug/L

RT: 3.357 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

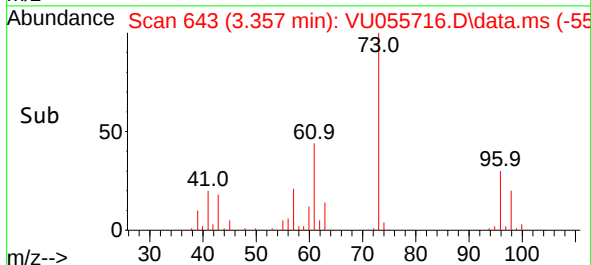
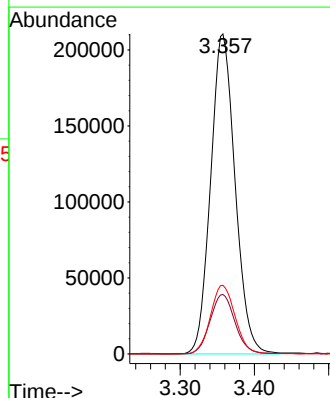
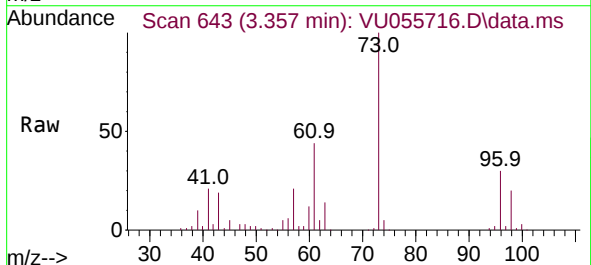
Tgt Ion: 73 Resp: 481873

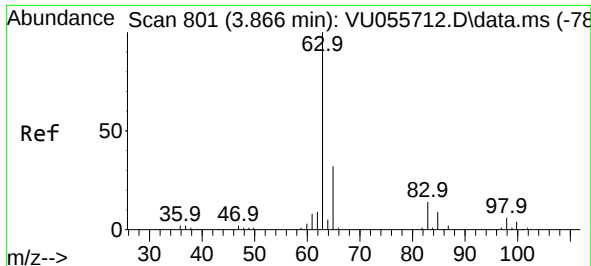
Ion Ratio Lower Upper

73 100

43 18.5 15.4 23.2

57 21.7 17.7 26.5





#19

1,1-Dichloroethane

Concen: 44.913 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

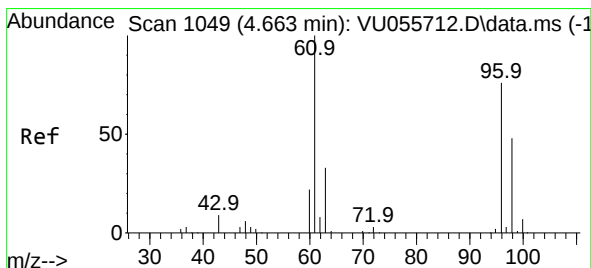
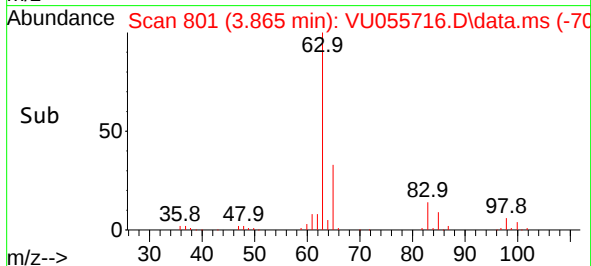
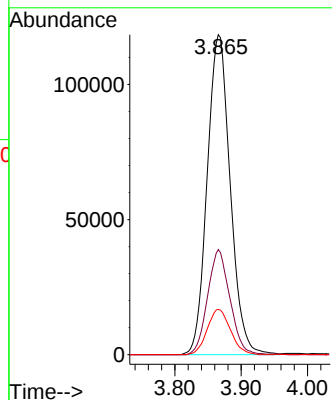
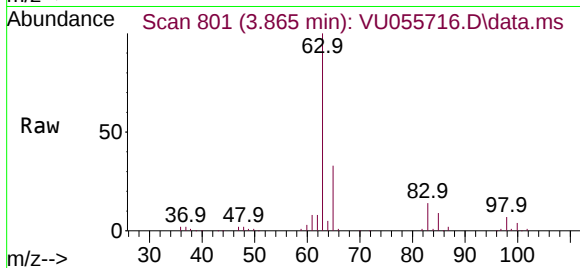
Tgt Ion: 63 Resp: 285721

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.5

83 14.1 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 47.289 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

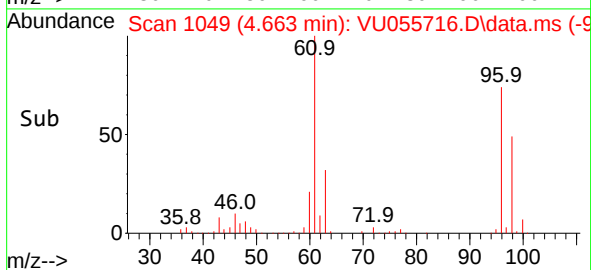
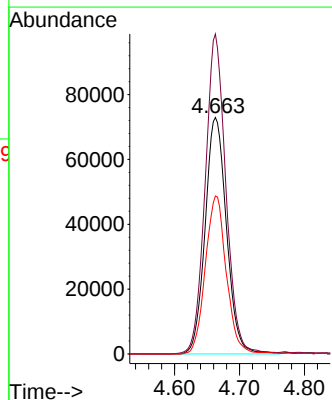
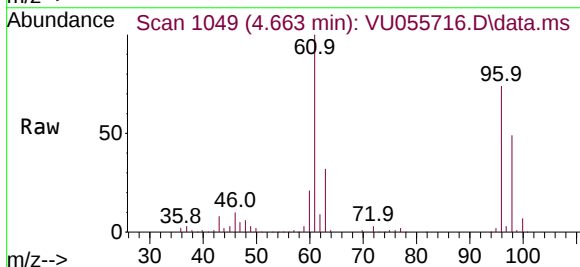
Tgt Ion: 96 Resp: 167425

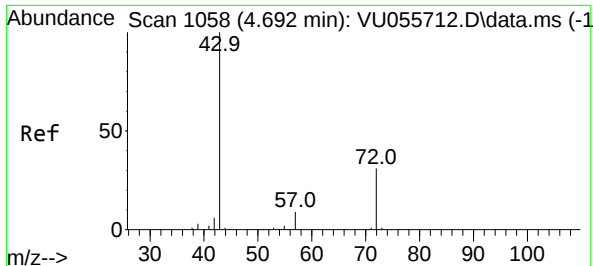
Ion Ratio Lower Upper

96 100

61 135.3 92.3 171.5

98 66.8 43.9 81.5





#22

2-Butanone

Concen: 94.082 ug/L

RT: 4.692 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

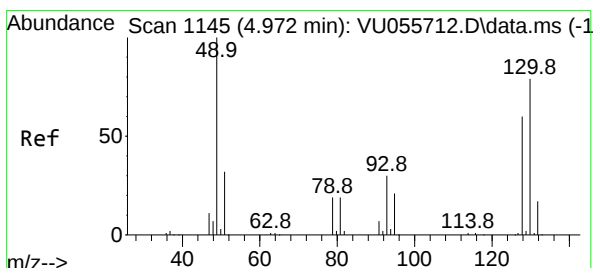
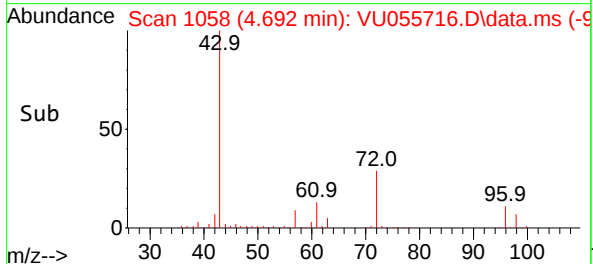
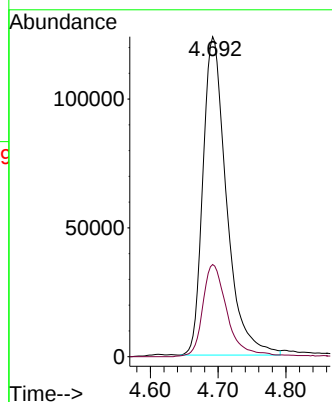
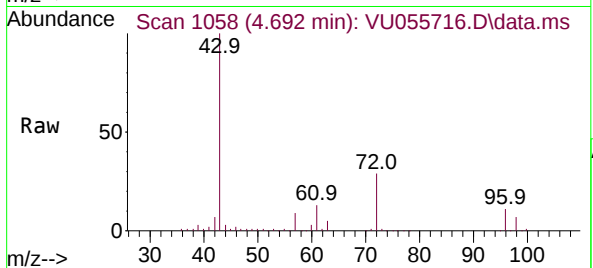
ClientSampleId :

Tgt Ion: 43 Resp: 299291

Ion Ratio Lower Upper

43 100

72 29.9 14.6 44.0



#23

Bromochloromethane

Concen: 46.719 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Tgt Ion:128 Resp: 85663

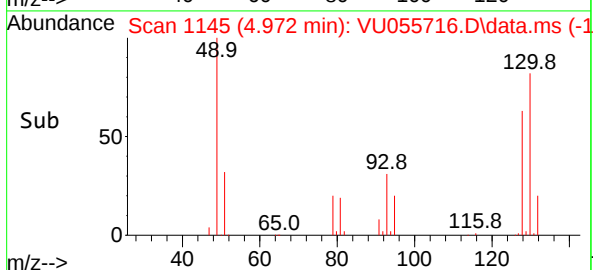
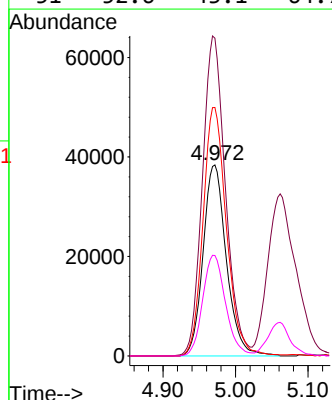
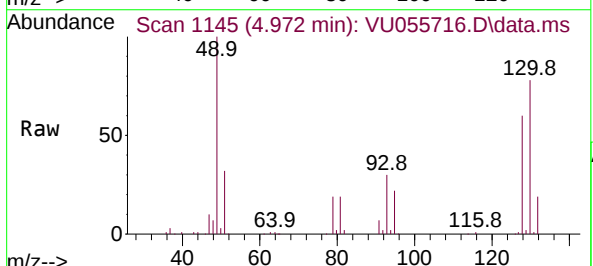
Ion Ratio Lower Upper

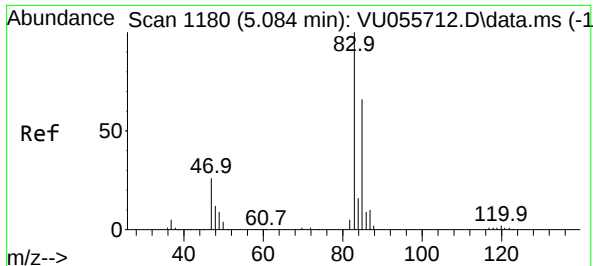
128 100

49 166.3 116.3 216.1

130 130.0 91.6 170.0

51 52.6 43.1 64.7





#25

Chloroform

Concen: 45.065 ug/L

RT: 5.084 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

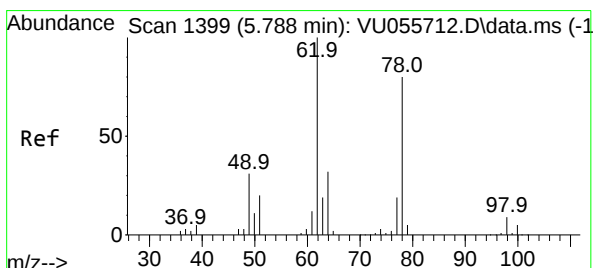
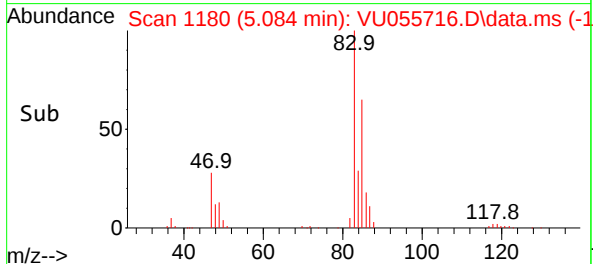
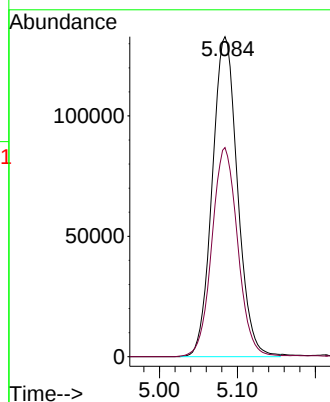
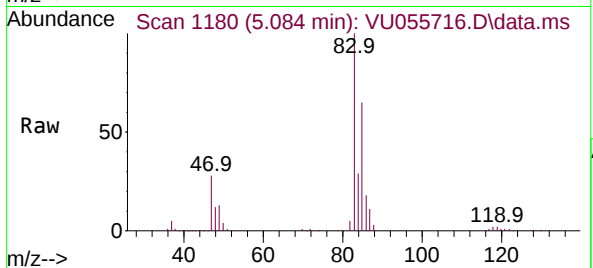
ClientSampleId :

Tgt Ion: 83 Resp: 299481

Ion Ratio Lower Upper

83 100

85 65.3 46.3 86.1



#27

1,2-Dichloroethane

Concen: 46.345 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU055716.D

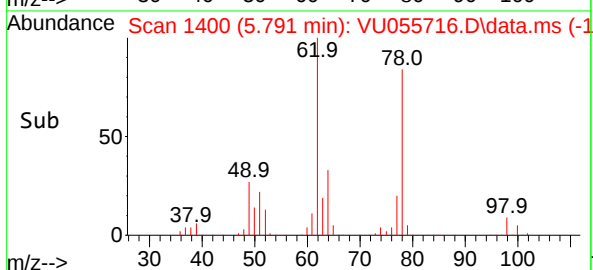
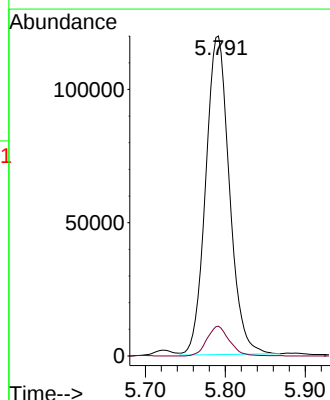
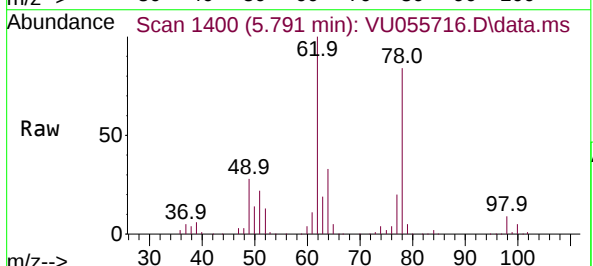
Acq: 10 Oct 2023 12:39

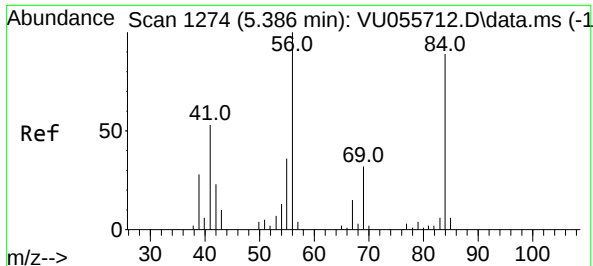
Tgt Ion: 62 Resp: 246335

Ion Ratio Lower Upper

62 100

98 9.3 7.2 10.8





#29

Cyclohexane

Concen: 49.385 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

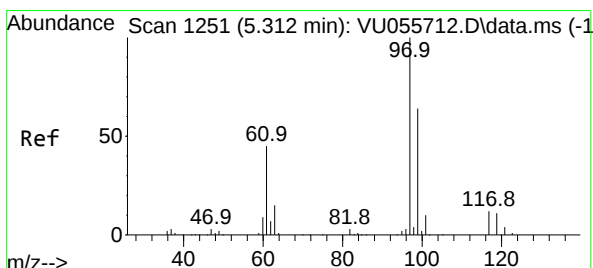
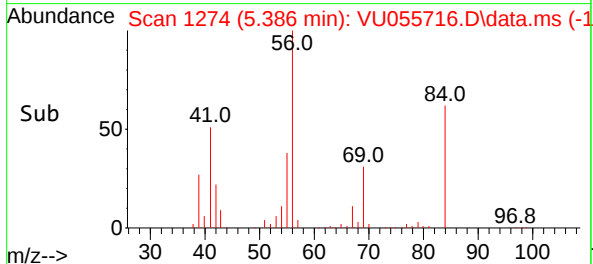
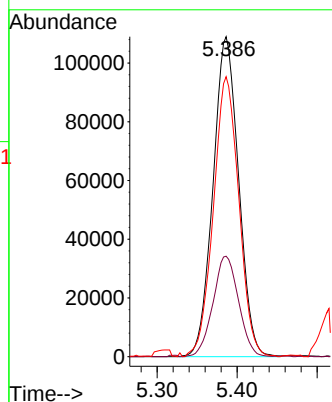
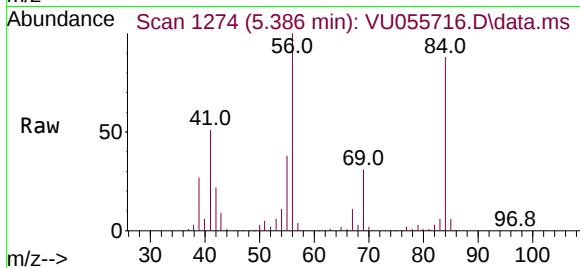
Tgt Ion: 56 Resp: 242227

Ion Ratio Lower Upper

56 100

69 31.4 24.9 37.3

84 86.9 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 47.054 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

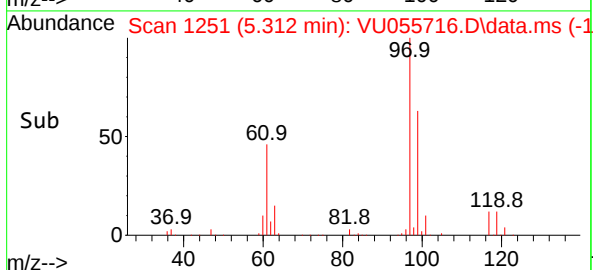
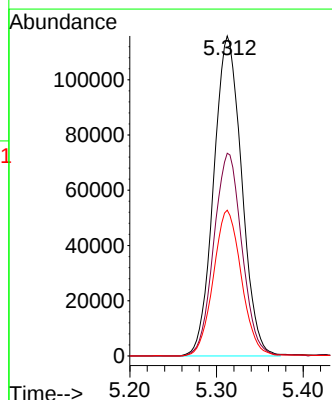
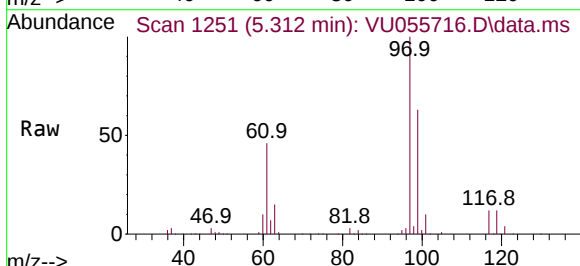
Tgt Ion: 97 Resp: 260139

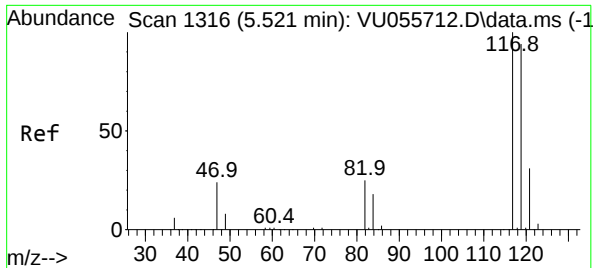
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 45.5 36.8 55.2

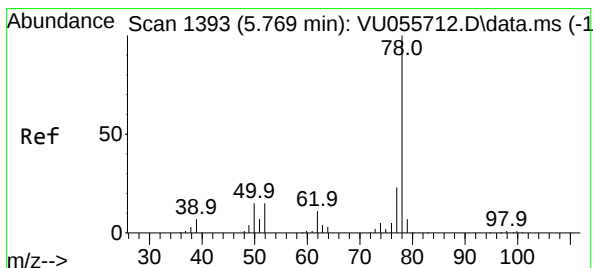
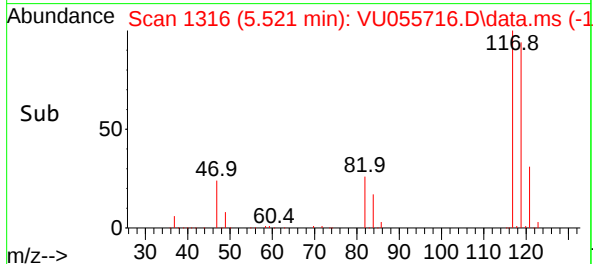
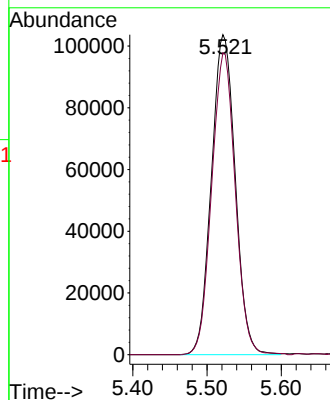
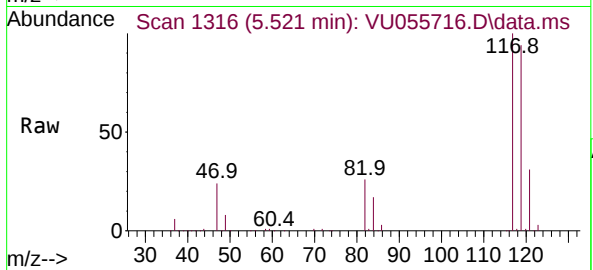




#31
Carbon tetrachloride
Concen: 47.771 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

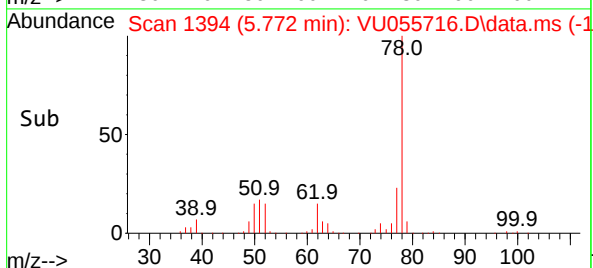
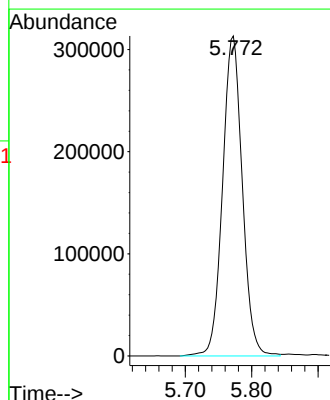
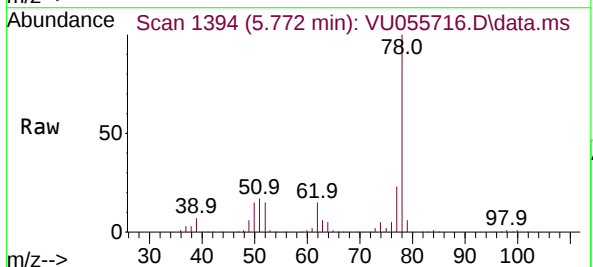
Instrument :
MSVOA_U
ClientSampleId :

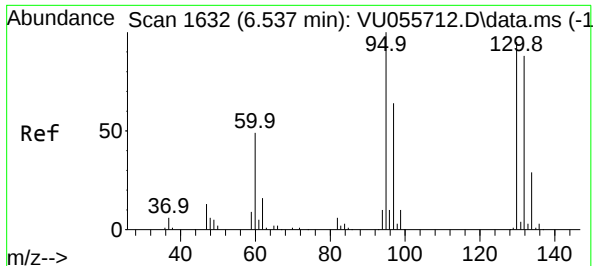
Tgt Ion:117 Resp: 231167
Ion Ratio Lower Upper
117 100
119 93.0 75.4 113.0



#33
Benzene
Concen: 47.790 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

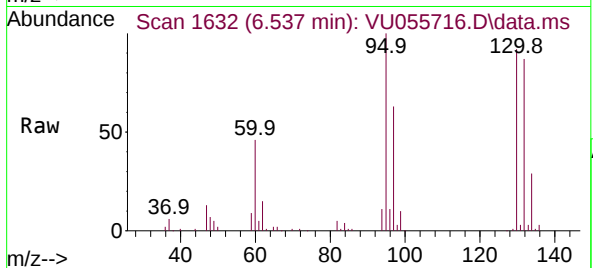
Tgt Ion: 78 Resp: 646446



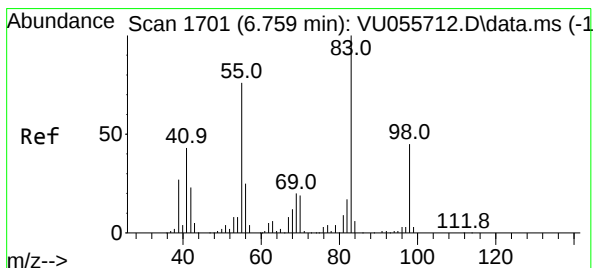
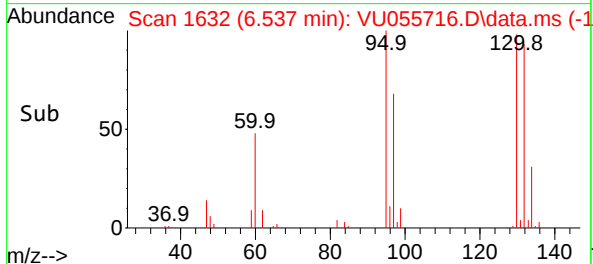
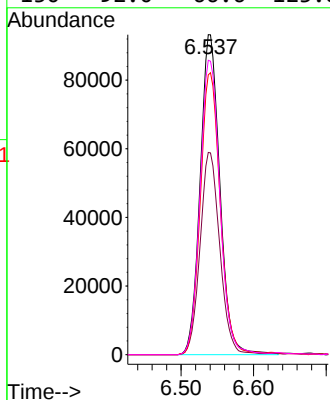


#34
Trichloroethene
Concen: 47.642 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

Instrument :
MSVOA_U
ClientSampleId :

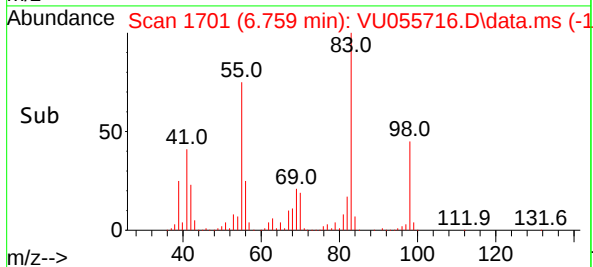
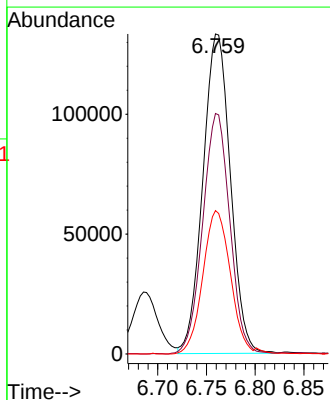
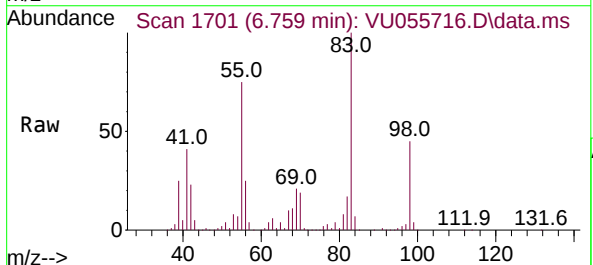


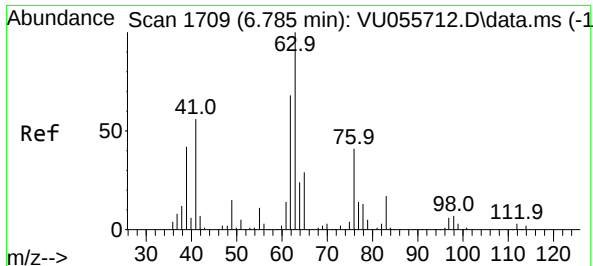
Tgt Ion: 95 Resp: 176332
Ion Ratio Lower Upper
95 100
97 63.2 44.4 82.5
132 87.4 61.8 114.8
130 92.0 66.6 123.8



#35
Methylcyclohexane
Concen: 48.782 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

Tgt Ion: 83 Resp: 261956
Ion Ratio Lower Upper
83 100
55 74.3 61.2 91.8
98 44.7 35.8 53.6

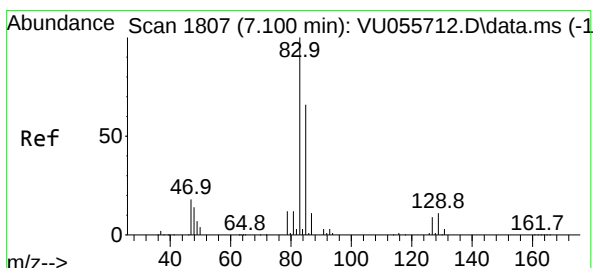
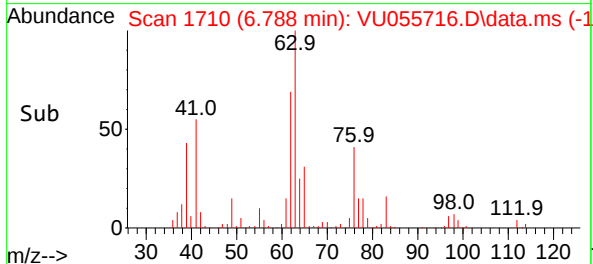
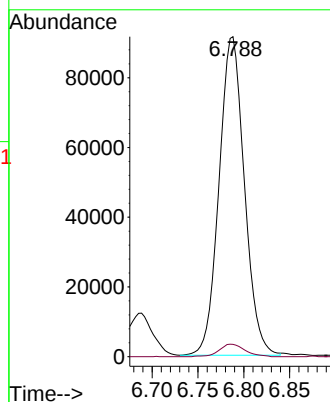
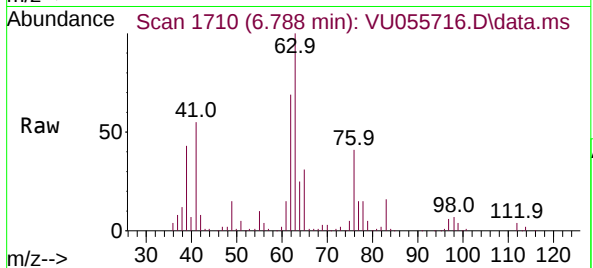




#37
1,2-Dichloropropane
Concen: 47.167 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

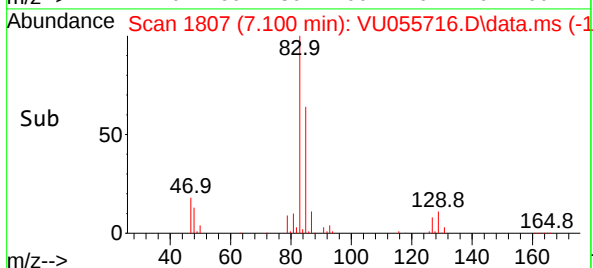
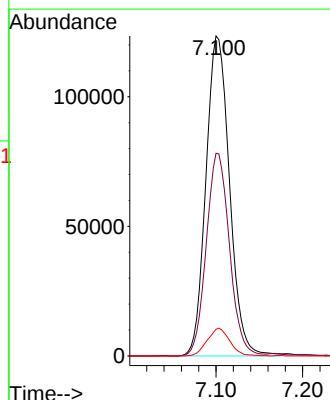
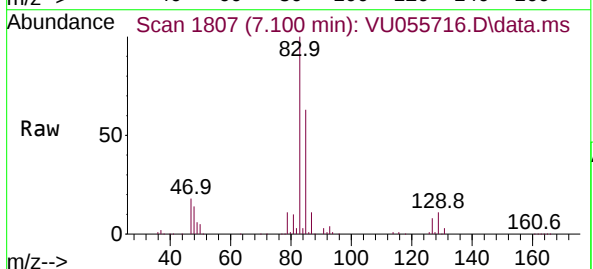
Instrument :
MSVOA_U
ClientSampleId :

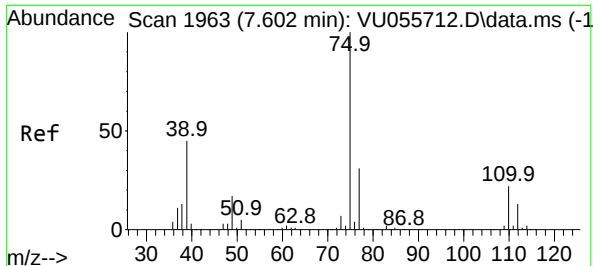
Tgt Ion: 63 Resp: 175687
Ion Ratio Lower Upper
63 100
112 4.0 3.0 4.4



#38
Bromodichloromethane
Concen: 47.657 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

Tgt Ion: 83 Resp: 234089
Ion Ratio Lower Upper
83 100
85 63.4 46.0 85.4
127 9.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 50.498 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

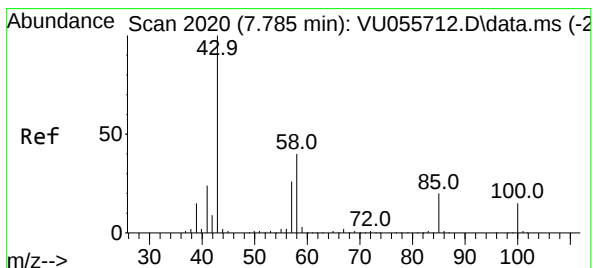
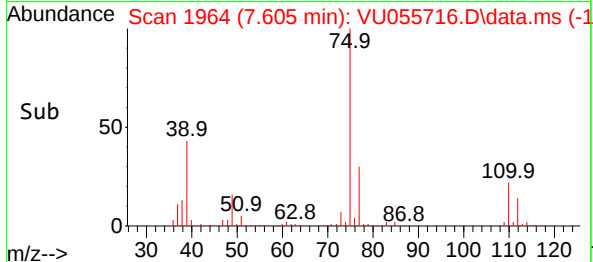
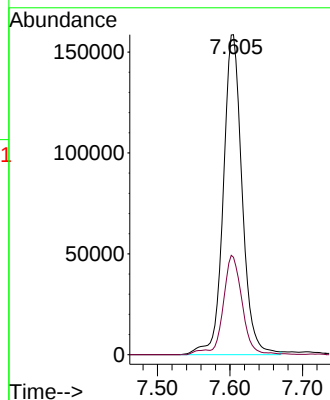
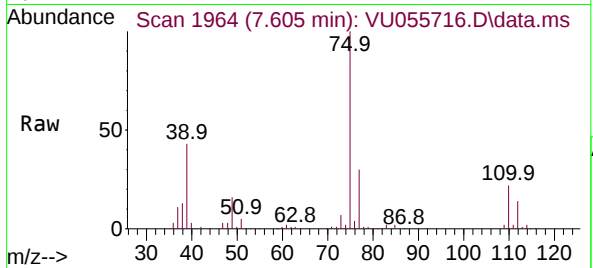
ClientSampleId :

Tgt Ion: 75 Resp: 286161

Ion Ratio Lower Upper

75 100

77 30.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 100.686 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

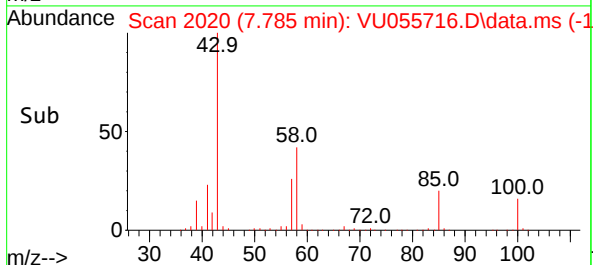
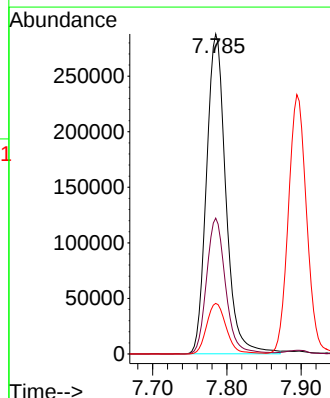
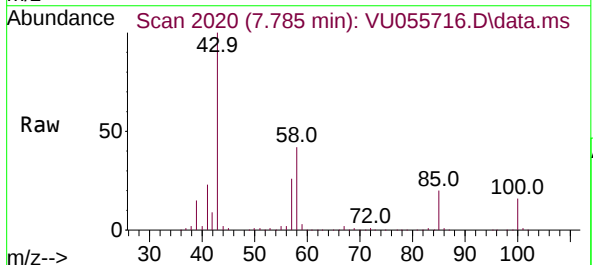
Tgt Ion: 43 Resp: 521737

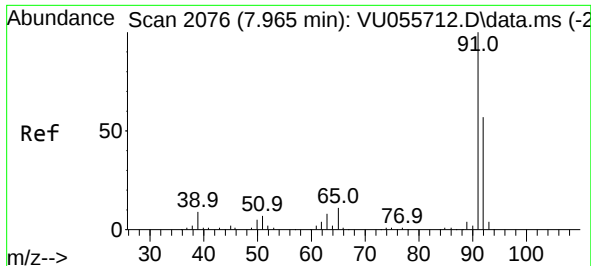
Ion Ratio Lower Upper

43 100

58 41.7 32.3 48.5

100 16.0 12.0 18.0





#42

Toluene

Concen: 48.948 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

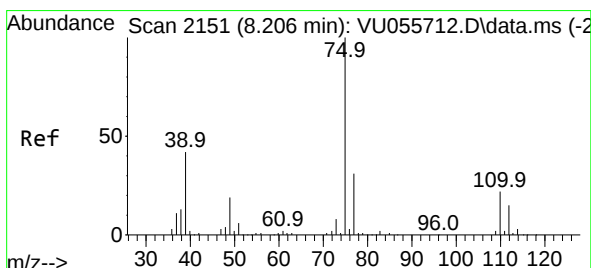
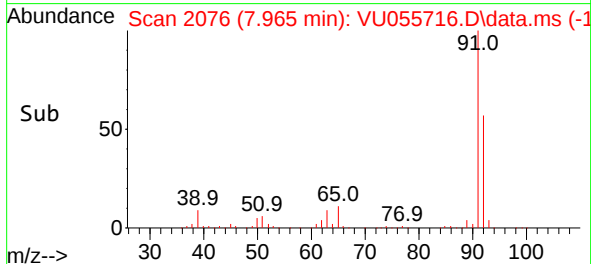
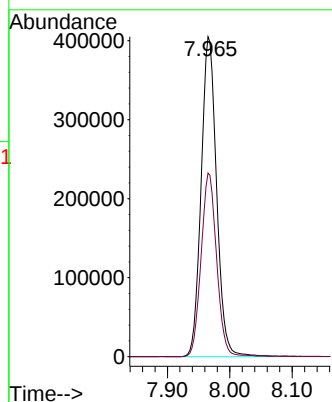
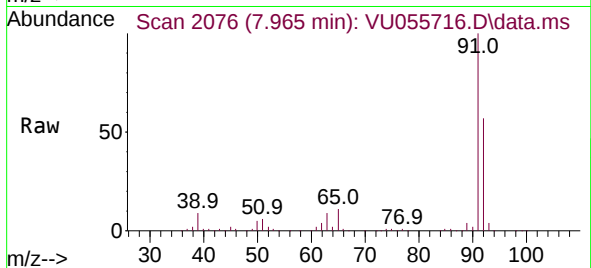
ClientSampleId :

Tgt Ion: 91 Resp: 698646

Ion Ratio Lower Upper

91 100

92 57.4 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 49.453 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055716.D

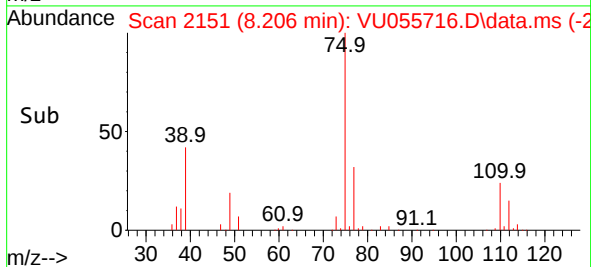
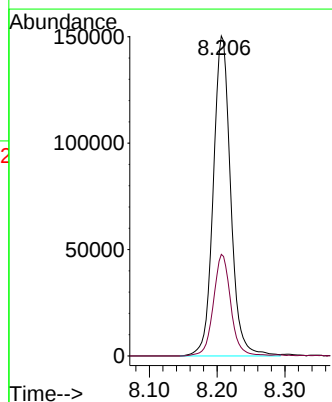
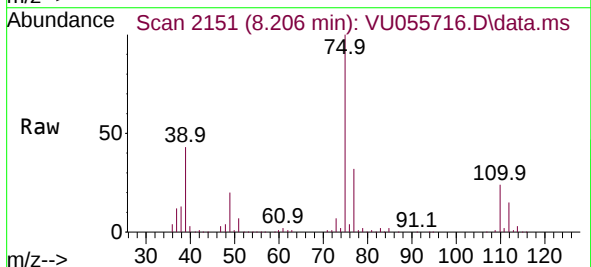
Acq: 10 Oct 2023 12:39

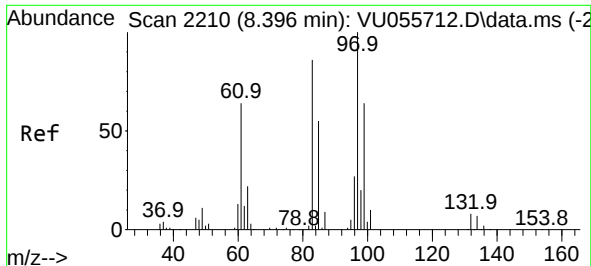
Tgt Ion: 75 Resp: 268135

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 47.247 ug/L

RT: 8.396 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 173529

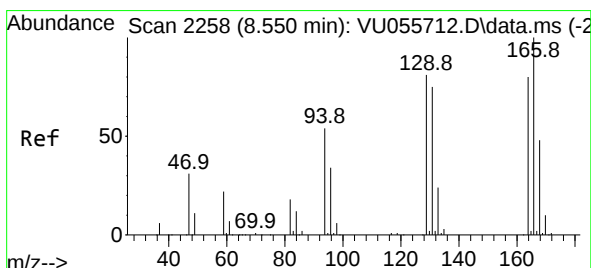
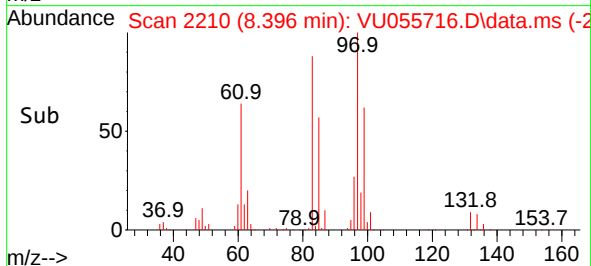
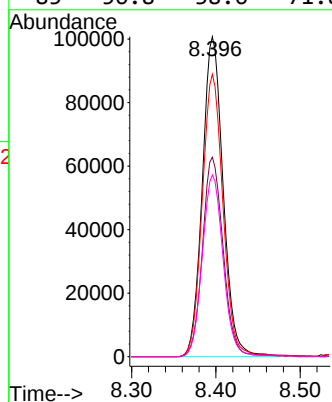
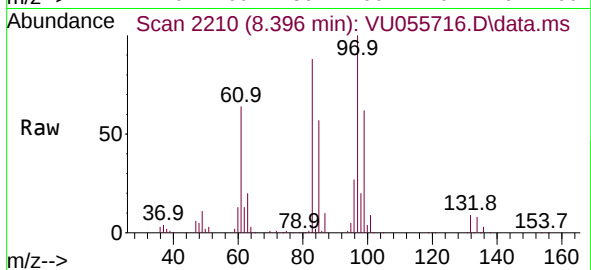
Ion Ratio Lower Upper

97 100

99 62.4 44.4 82.5

83 88.3 60.4 112.2

85 56.8 38.6 71.8



#46

Tetrachloroethene

Concen: 45.905 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Tgt Ion:164 Resp: 121643

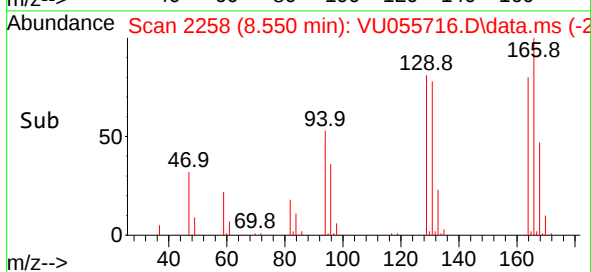
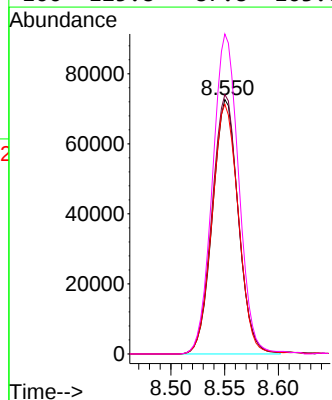
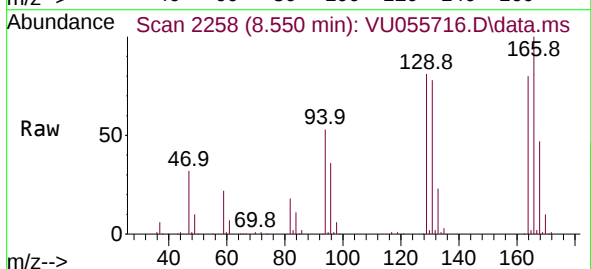
Ion Ratio Lower Upper

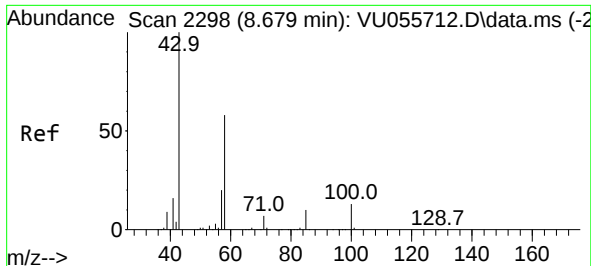
164 100

129 101.9 70.7 131.3

131 98.1 65.9 122.5

166 125.8 87.8 163.0

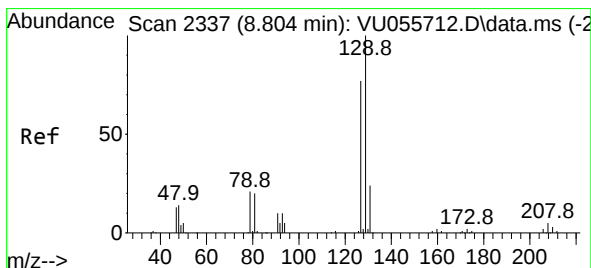
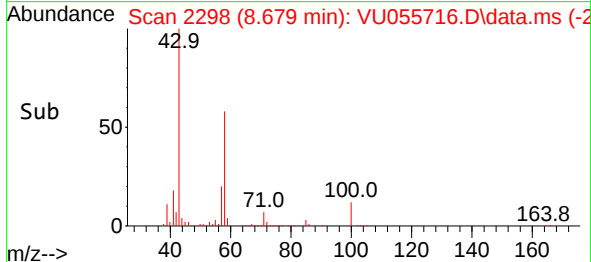
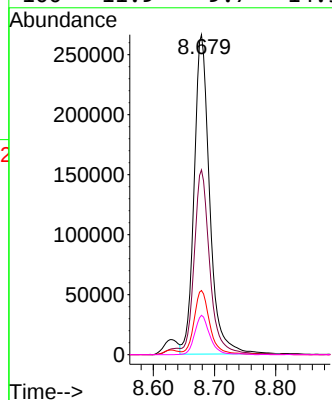
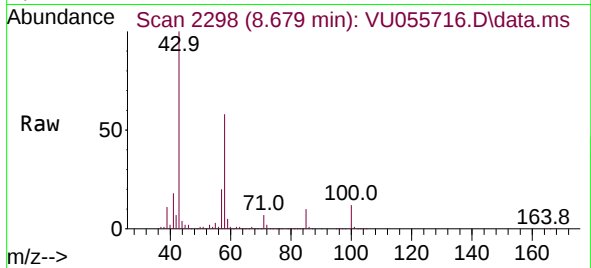




#48
2-Hexanone
Concen: 107.265 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

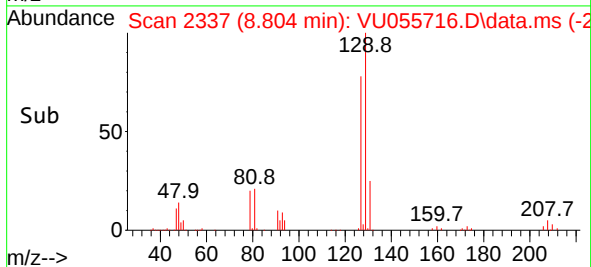
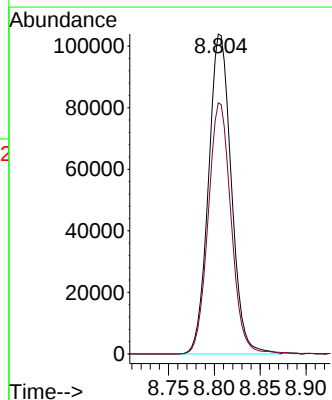
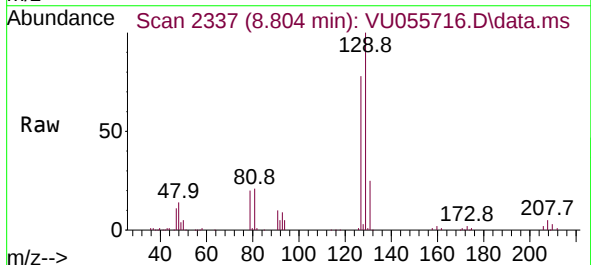
Instrument :
MSVOA_U
ClientSampleId :

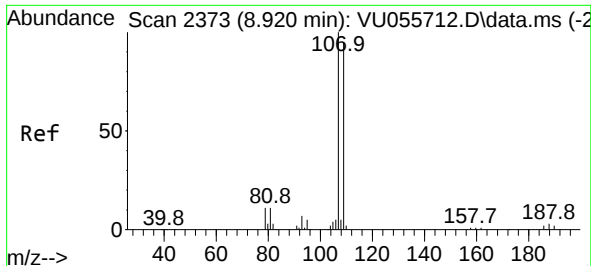
Tgt Ion: 43 Resp: 469490
Ion Ratio Lower Upper
43 100
58 57.2 45.2 67.8
57 19.9 16.1 24.1
100 11.9 9.7 14.5



#49
Dibromochloromethane
Concen: 47.927 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

Tgt Ion: 129 Resp: 179859
Ion Ratio Lower Upper
129 100
127 78.5 54.0 100.4





#50

1,2-Dibromoethane

Concen: 47.856 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

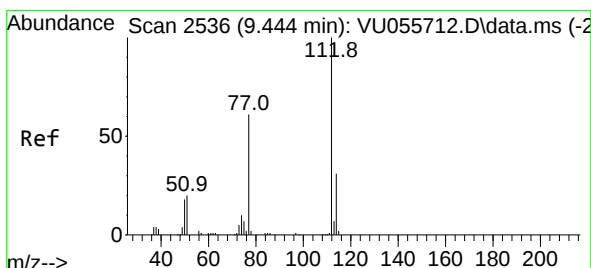
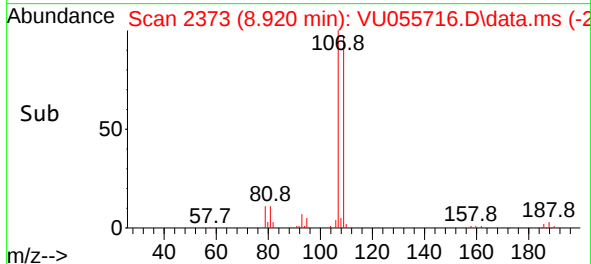
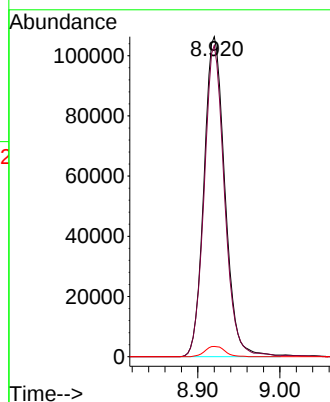
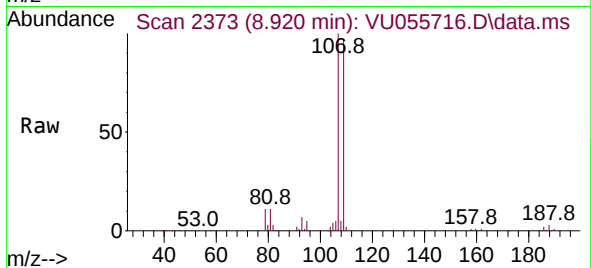
Tgt Ion:107 Resp: 188788

Ion Ratio Lower Upper

107 100

109 97.3 66.7 123.9

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 47.037 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

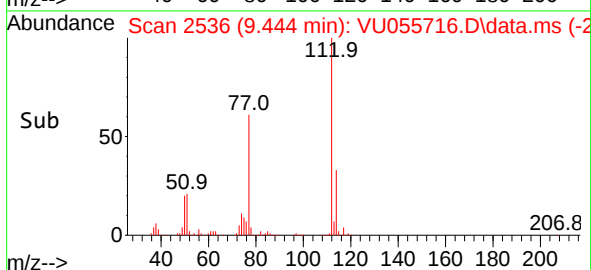
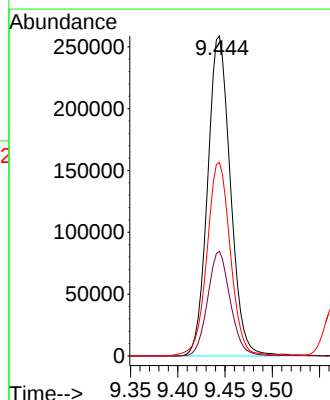
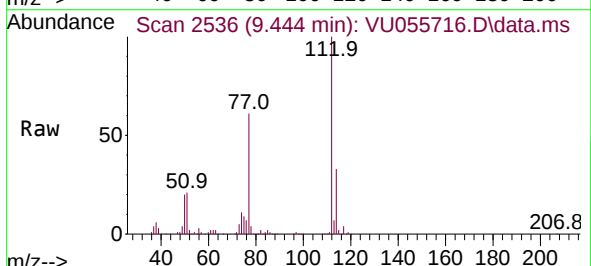
Tgt Ion:112 Resp: 434380

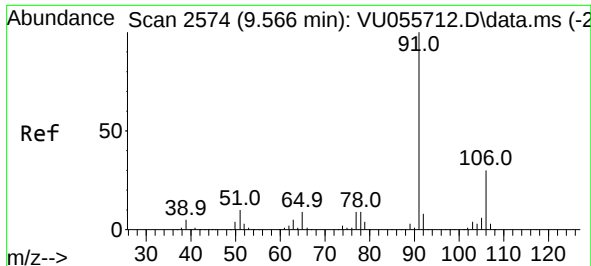
Ion Ratio Lower Upper

112 100

114 32.7 22.0 40.8

77 60.6 49.0 73.6

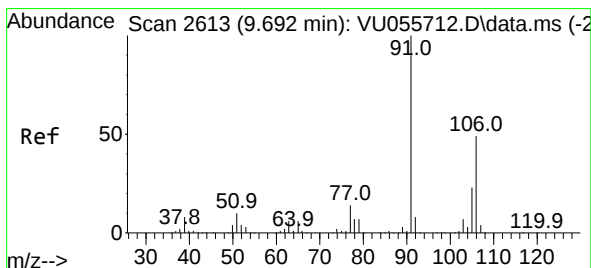
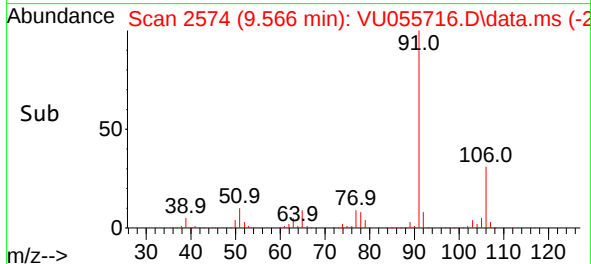
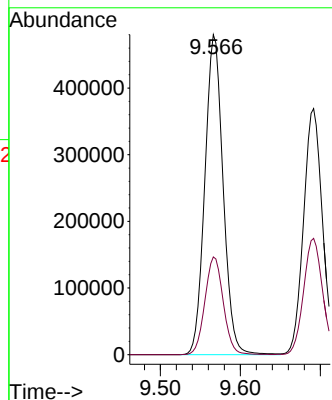
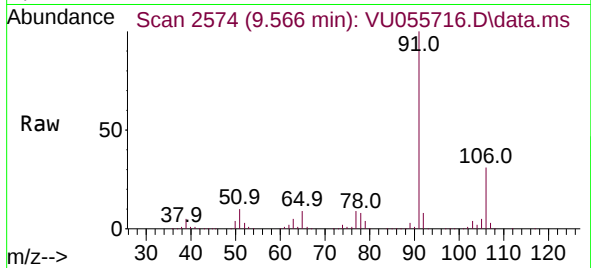




#52
Ethylbenzene
Concen: 48.895 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

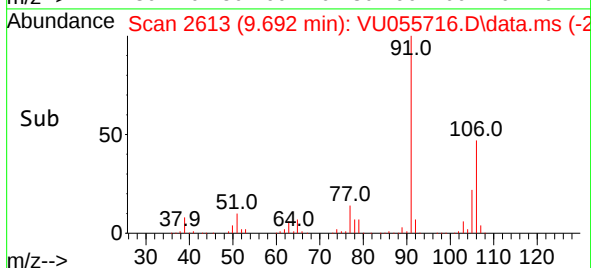
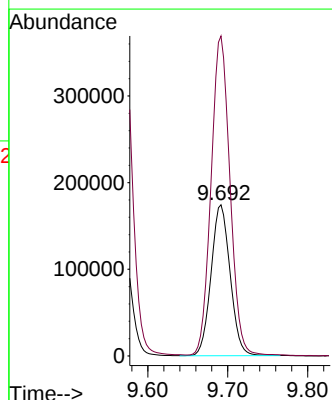
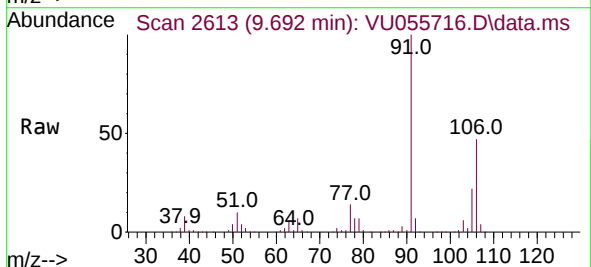
Instrument :
MSVOA_U
ClientSampleId :

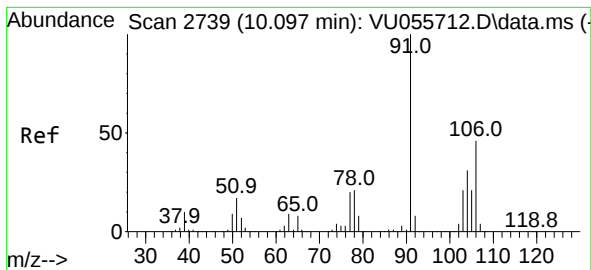
Tgt Ion: 91 Resp: 762991
Ion Ratio Lower Upper
91 100
106 30.6 21.2 39.4



#53
m,p-Xylene
Concen: 49.287 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

Tgt Ion: 106 Resp: 288135
Ion Ratio Lower Upper
106 100
91 211.6 143.8 267.0





#54

o-Xylene

Concen: 49.532 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

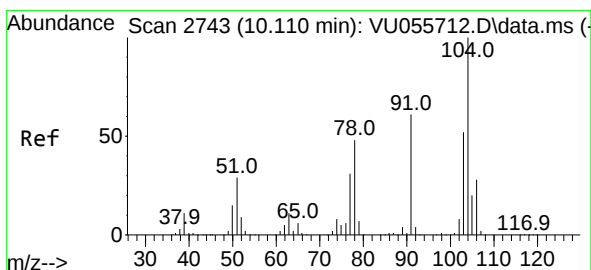
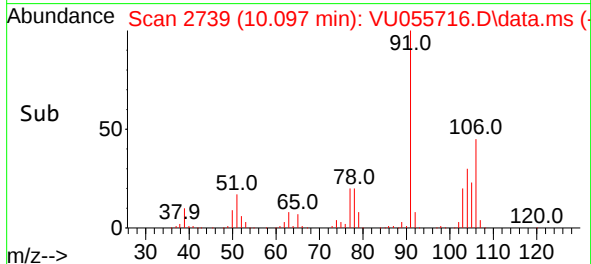
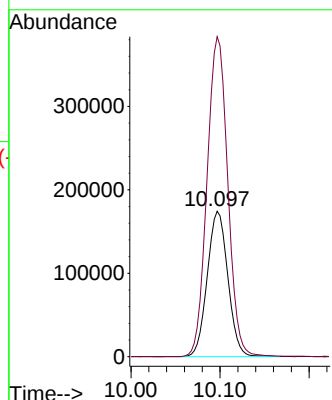
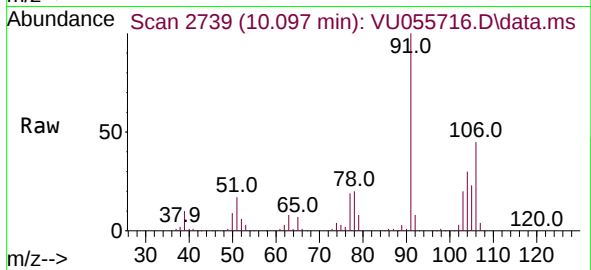
ClientSampleId :

Tgt Ion:106 Resp: 280215

Ion Ratio Lower Upper

106 100

91 220.1 151.8 282.0



#55

Styrene

Concen: 51.649 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU055716.D

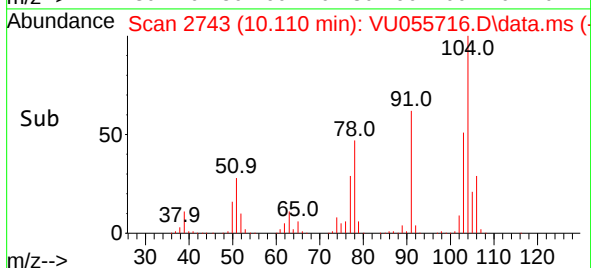
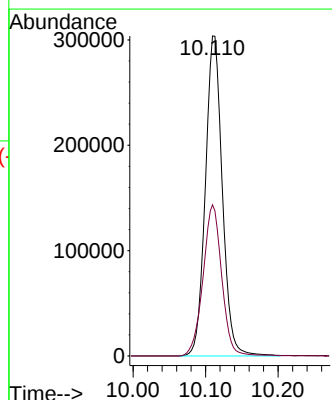
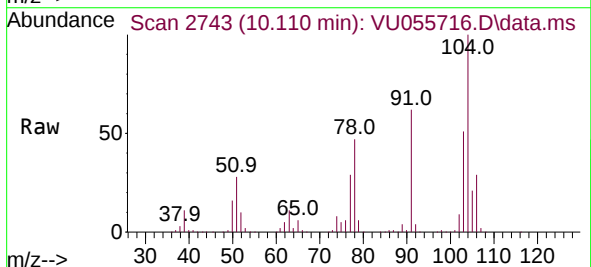
Acq: 10 Oct 2023 12:39

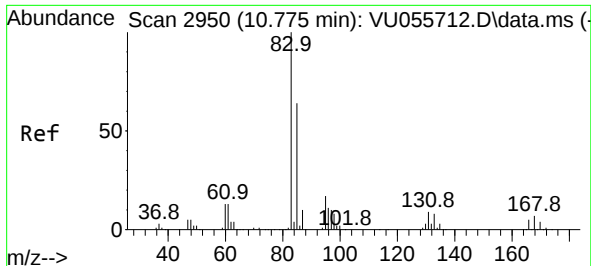
Tgt Ion:104 Resp: 494985

Ion Ratio Lower Upper

104 100

78 47.2 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 48.779 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

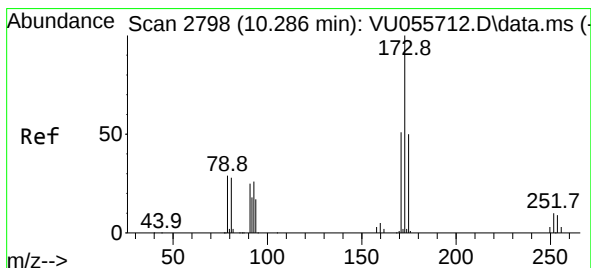
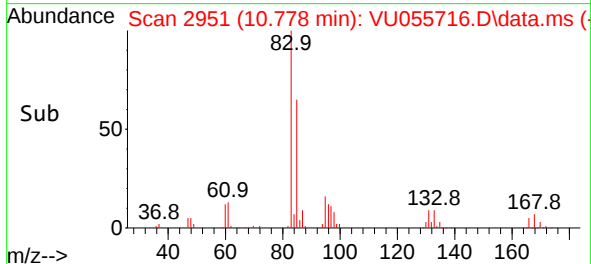
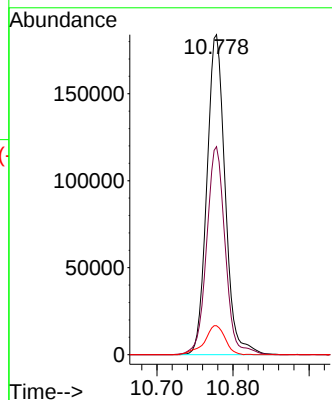
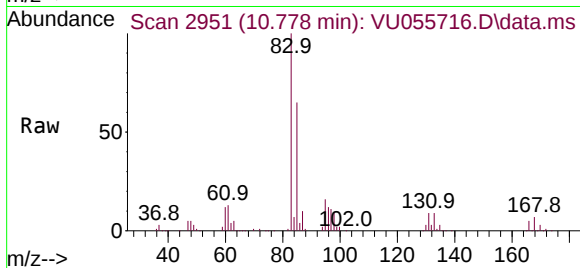
Tgt Ion: 83 Resp: 306768

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

131 9.1 7.3 10.9



#59

Bromoform

Concen: 47.880 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

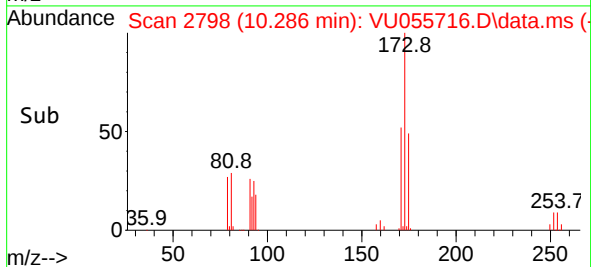
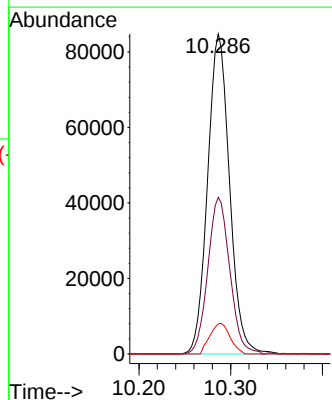
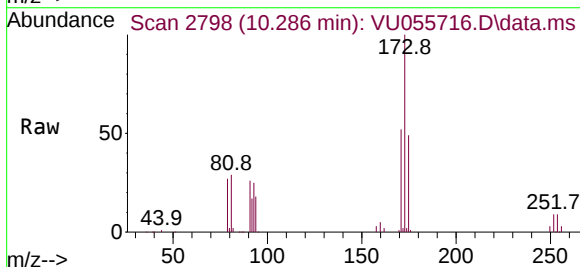
Tgt Ion:173 Resp: 140717

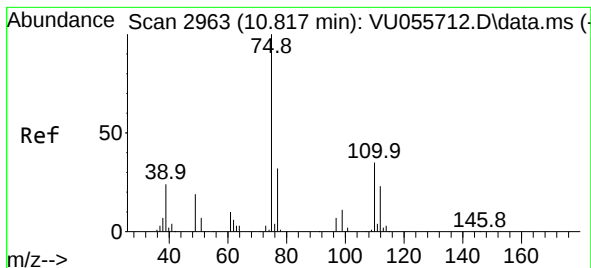
Ion Ratio Lower Upper

173 100

175 48.9 40.4 60.6

254 8.7 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 47.865 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

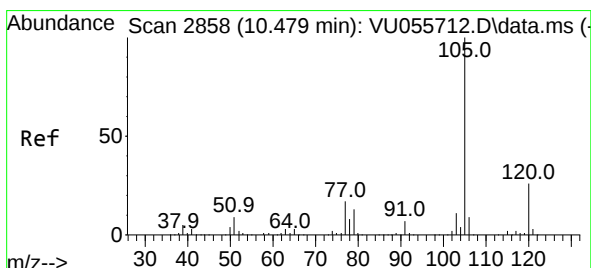
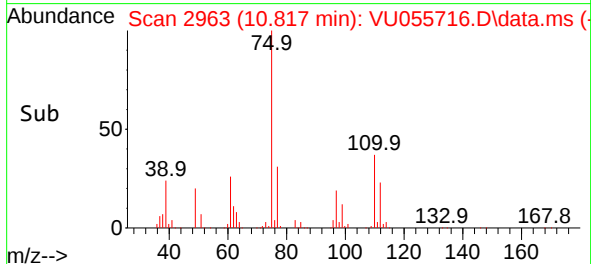
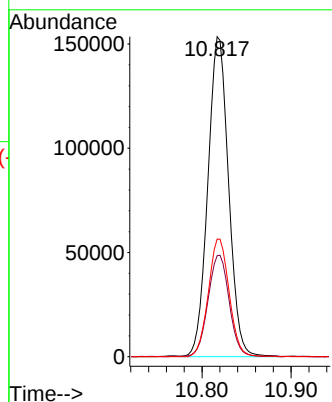
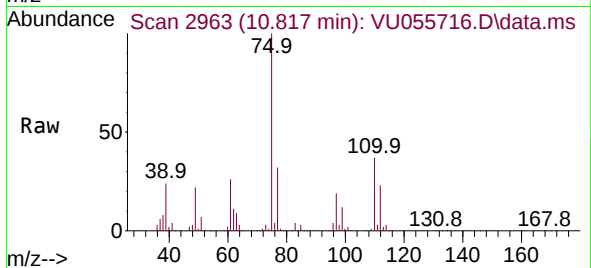
Tgt Ion: 75 Resp: 248008

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

110 36.9 28.5 42.7



#61

Isopropylbenzene

Concen: 50.491 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.003 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

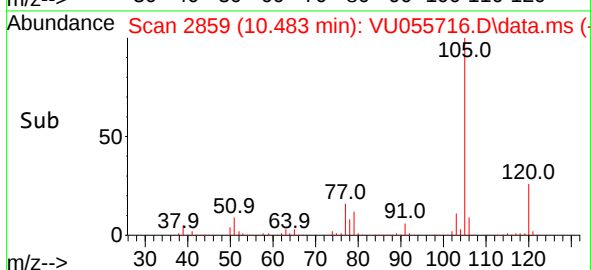
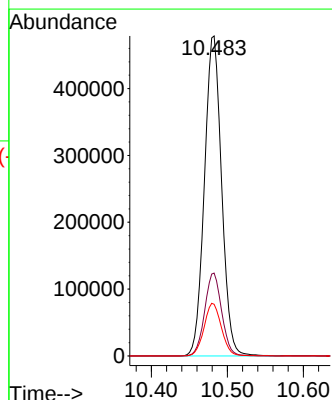
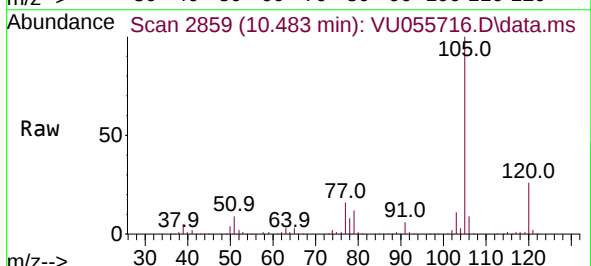
Tgt Ion: 105 Resp: 751488

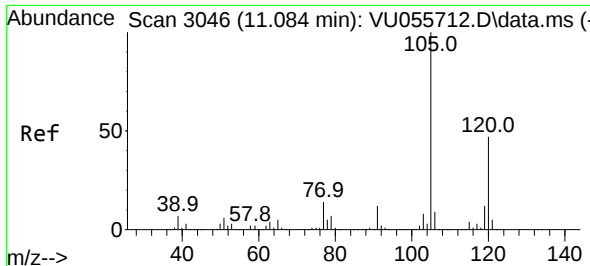
Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

77 16.6 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 51.672 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

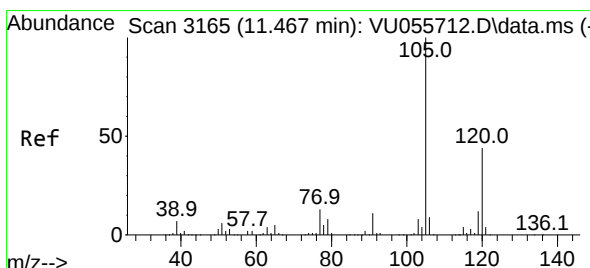
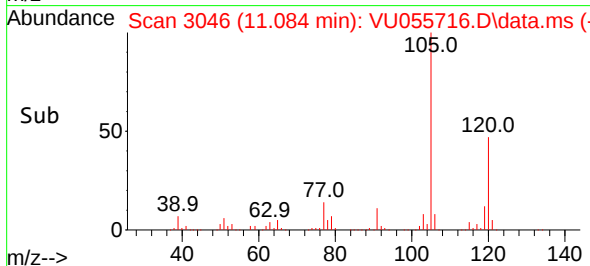
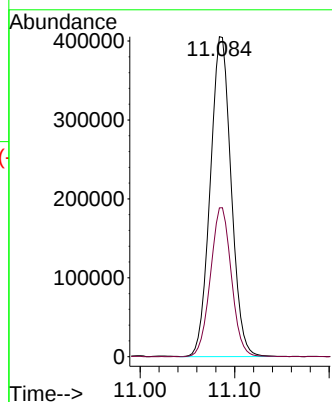
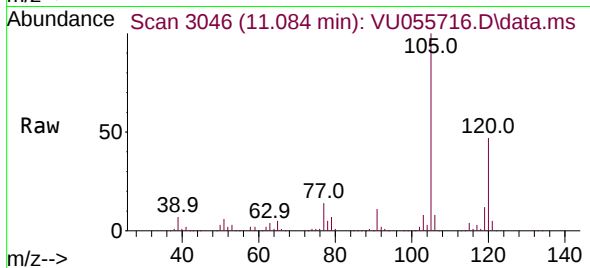
ClientSampleId :

Tgt Ion:105 Resp: 622294

Ion Ratio Lower Upper

105 100

120 46.7 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 52.717 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VU055716.D

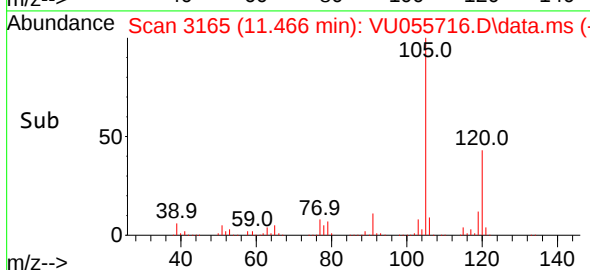
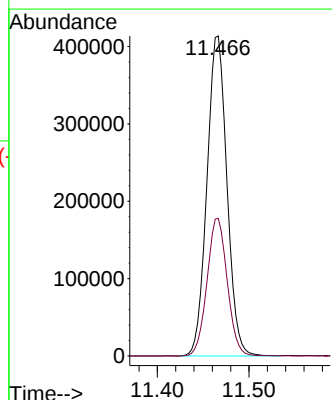
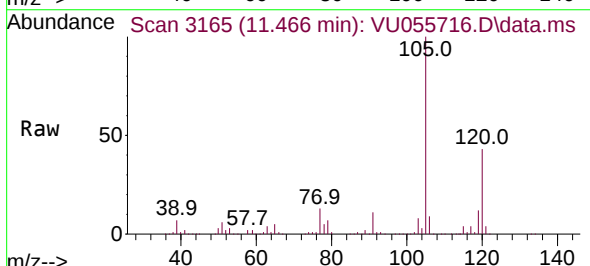
Acq: 10 Oct 2023 12:39

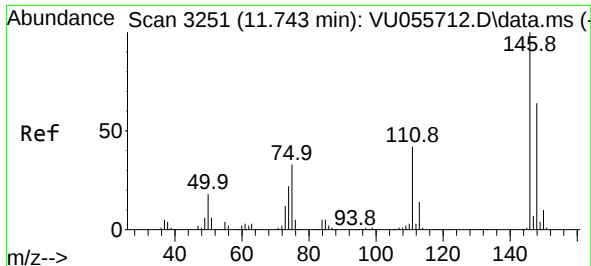
Tgt Ion:105 Resp: 627787

Ion Ratio Lower Upper

105 100

120 43.4 35.0 52.4

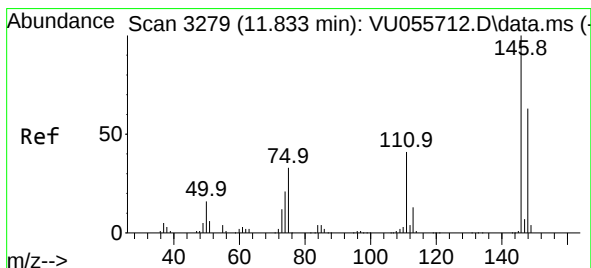
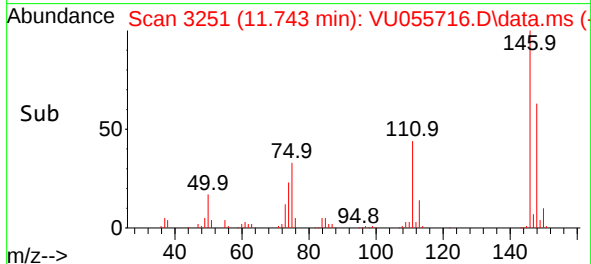
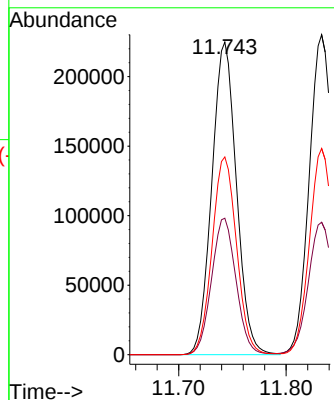
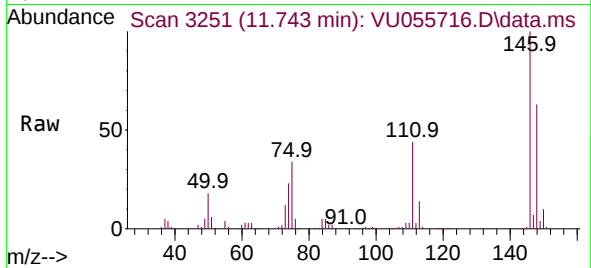




#64
1,3-Dichlorobenzene
Concen: 48.601 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

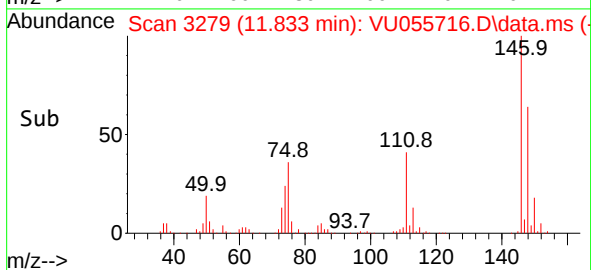
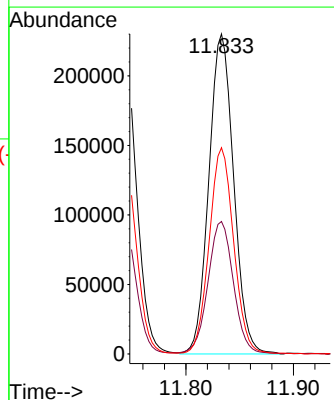
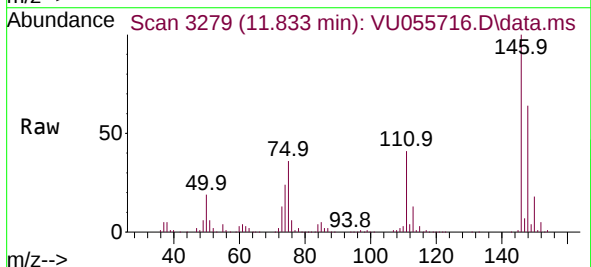
Instrument :
MSVOA_U
ClientSampleId :

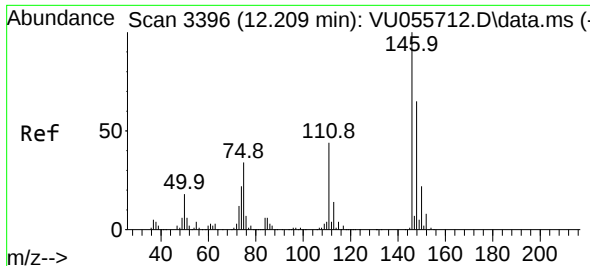
Tgt Ion:146 Resp: 357583
Ion Ratio Lower Upper
146 100
111 43.6 29.7 55.1
148 63.2 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 48.738 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055716.D
Acq: 10 Oct 2023 12:39

Tgt Ion:146 Resp: 368683
Ion Ratio Lower Upper
146 100
111 41.4 28.6 53.0
148 64.4 44.2 82.0

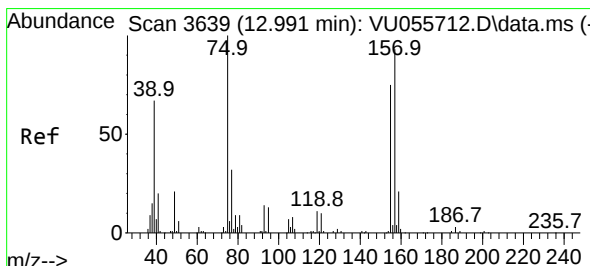
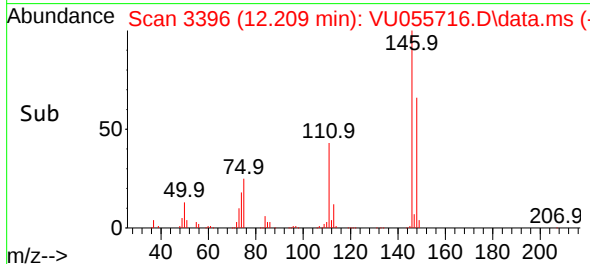
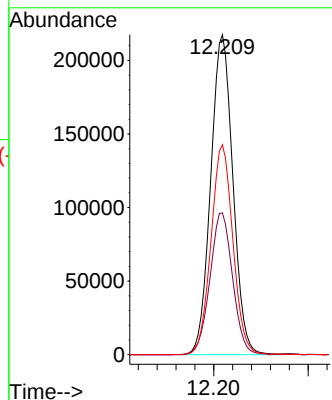
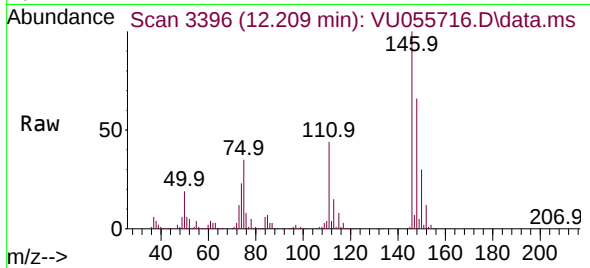




#67
 1,2-Dichlorobenzene
 Concen: 48.473 ug/L
 RT: 12.209 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU055716.D
 Acq: 10 Oct 2023 12:39

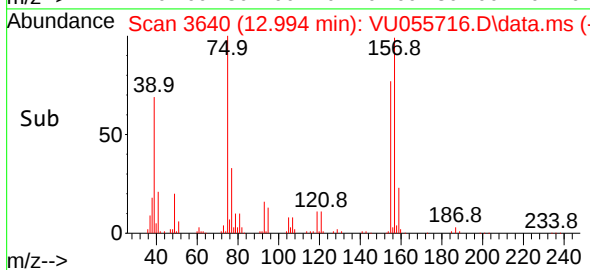
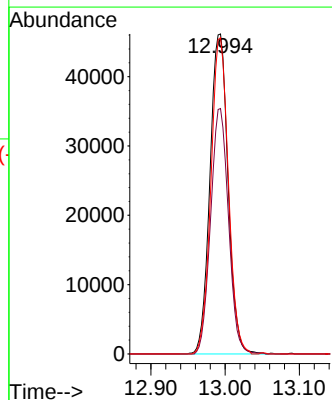
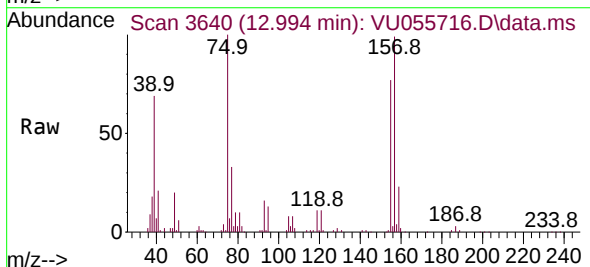
Instrument :
 MSVOA_U
 ClientSampleId :

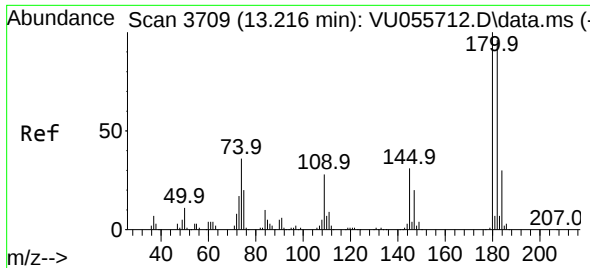
Tgt Ion:146 Resp: 353923
 Ion Ratio Lower Upper
 146 100
 111 44.3 35.2 52.8
 148 65.6 52.3 78.5



#68
 1,2-Dibromo-3-chloropropane
 Concen: 50.335 ug/L
 RT: 12.994 min Scan# 3640
 Delta R.T. 0.003 min
 Lab File: VU055716.D
 Acq: 10 Oct 2023 12:39

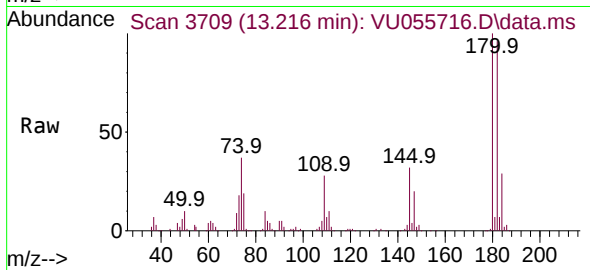
Tgt Ion: 75 Resp: 77972
 Ion Ratio Lower Upper
 75 100
 155 76.7 59.6 89.4
 157 102.8 77.7 116.5



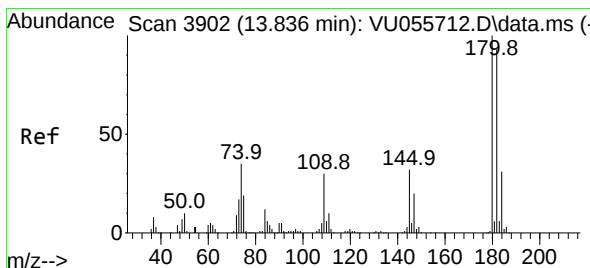
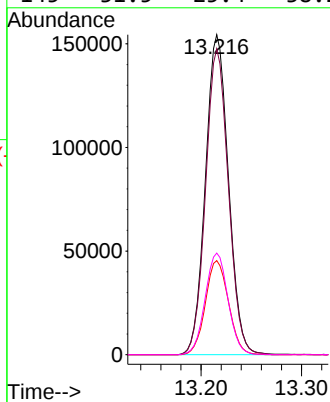
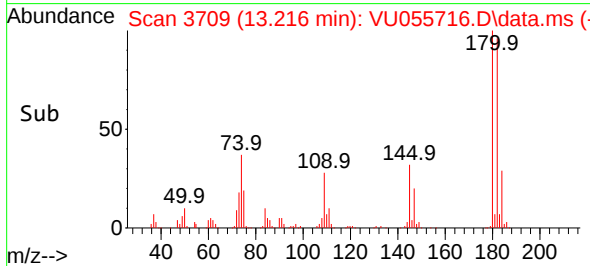


#69
 1,3,5-Trichlorobenzene
 Concen: 50.108 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU055716.D
 Acq: 10 Oct 2023 12:39

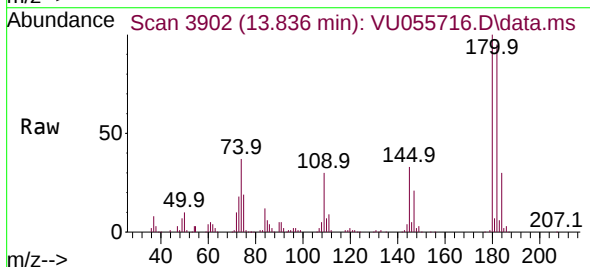
Instrument :
 MSVOA_U
 ClientSampleId :



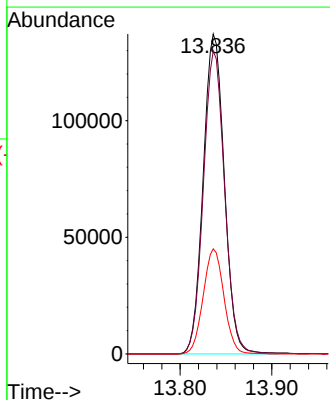
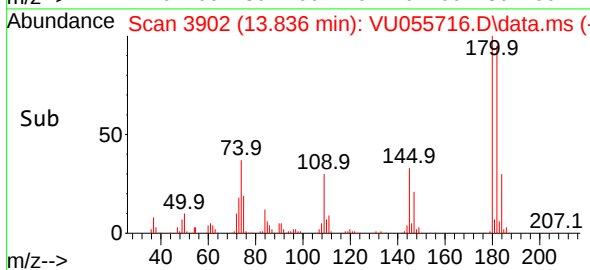
Tgt Ion:180 Resp: 245914
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.2 114.2
 184 29.6 23.9 35.9
 145 31.5 25.4 38.2

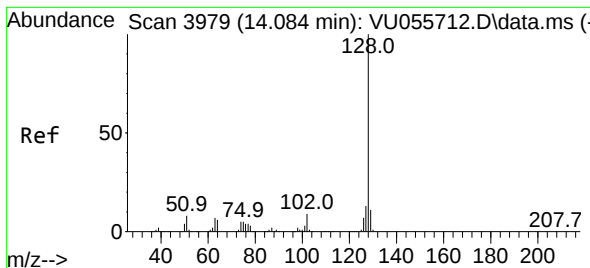


#70
 1,2,4-trichlorobenzene
 Concen: 53.674 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055716.D
 Acq: 10 Oct 2023 12:39



Tgt Ion:180 Resp: 219412
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.4 113.2
 145 32.2 26.1 39.1





#71

Naphthalene

Concen: 65.227 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

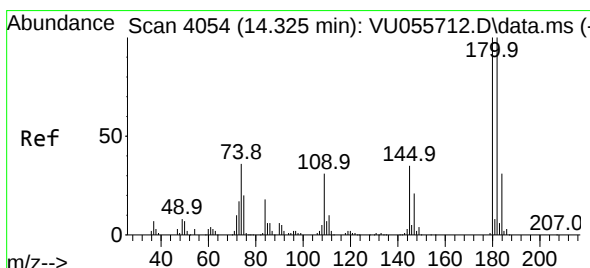
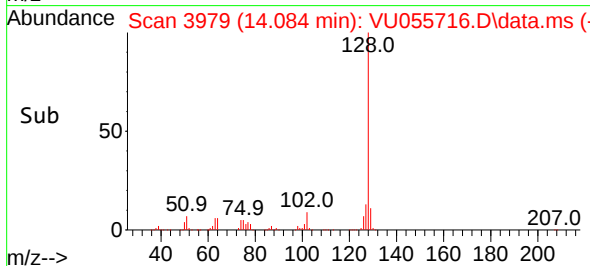
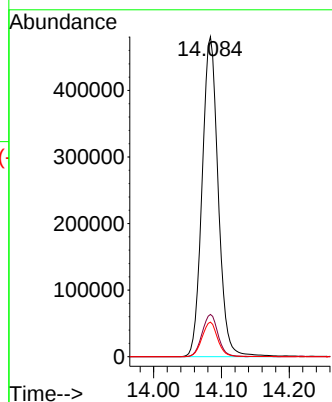
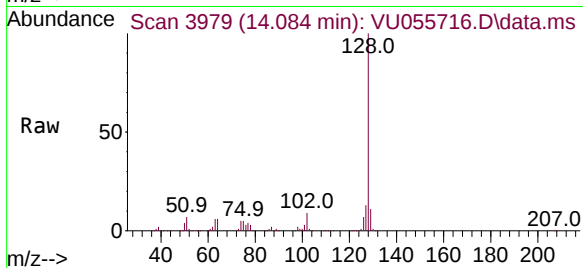
Tgt Ion:128 Resp: 792061

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.5 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 54.816 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU055716.D

Acq: 10 Oct 2023 12:39

Tgt Ion:180 Resp: 220926

Ion Ratio Lower Upper

180 100

182 96.3 78.1 117.1

145 34.6 27.4 41.0

