

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055889.D
 Acq On : 25 Oct 2023 19:10
 Operator : MD/SY
 Sample : 04946-09MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 01:56:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 26 01:50:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	577054	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	588360	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	331084	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	233281	45.070	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.140%
7) Chloroethane-d5	1.894	69	189532	44.797	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.563	63	410003	44.425	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.860%
21) 2-Butanone-d5	4.611	46	276092	71.987	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.990%
24) Chloroform-d	5.058	84	438889	44.231	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.460%
26) 1,2-Dichloroethane-d4	5.695	65	269221	44.079	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.160%
32) Benzene-d6	5.721	84	885394	47.033	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.060%
36) 1,2-Dichloropropane-d6	6.685	67	270661	45.416	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.840%
41) Toluene-d8	7.894	98	808602	47.570	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.140%
43) trans-1,3-Dichloroprop...	8.174	79	133050	46.476	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.960%
47) 2-Hexanone-d5	8.631	63	249556	106.518	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.520%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	436200	47.551	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.100%
66) 1,2-Dichlorobenzene-d4	12.190	152	334378	50.893	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	195325	40.652	ug/L	100
3) Chloromethane	1.518	50	208708	45.906	ug/L	98
5) Vinyl chloride	1.605	62	224313	44.833	ug/L	98
6) Bromomethane	1.830	94	105646	33.030	ug/L	97
8) Chloroethane	1.917	64	142514	43.424	ug/L	97
9) Trichlorofluoromethane	2.129	101	317117	44.361	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	199915	43.485	ug/L	97
12) 1,1-Dichloroethene	2.573	96	193188	47.223	ug/L	95
13) Acetone	2.618	43	166293	46.723	ug/L	96
14) Carbon disulfide	2.788	76	514581	41.333	ug/L	98
15) Methyl Acetate	2.939	43	205329	37.670	ug/L	96
16) Methylene chloride	3.039	84	235216	47.412	ug/L	93
17) trans-1,2-Dichloroethene	3.348	96	197538	47.221	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	687960	51.137	ug/L	98
19) 1,1-Dichloroethane	3.862	63	398347	46.434	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	239120	50.084	ug/L	98
22) 2-Butanone	4.692	43	281428	65.603	ug/L	100
23) Bromochloromethane	4.968	128	119683	48.404	ug/L	94
25) Chloroform	5.081	83	425098	47.435	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055889.D
 Acq On : 25 Oct 2023 19:10
 Operator : MD/SY
 Sample : 04946-09MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

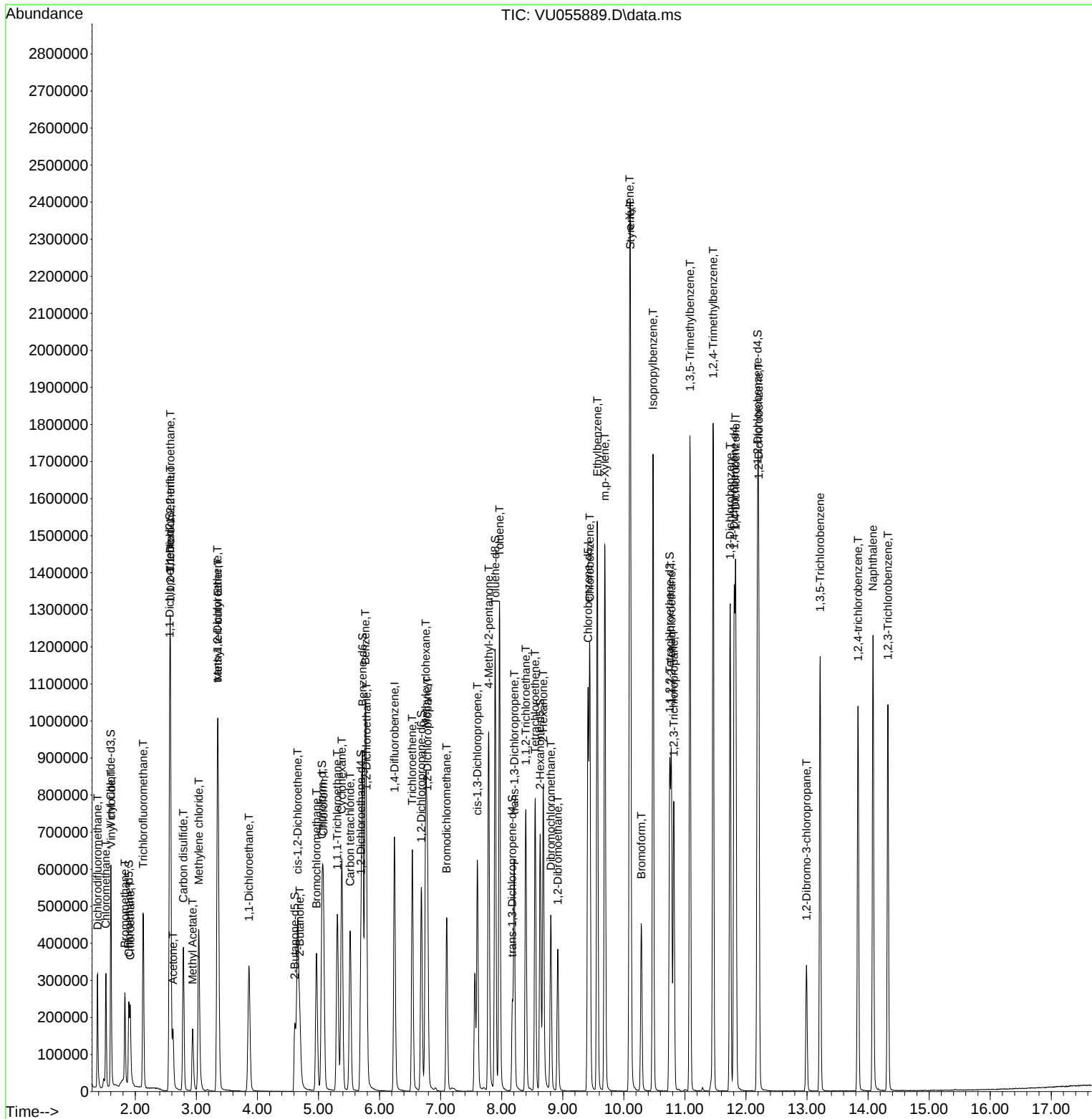
Instrument :
 MSVOA_U
 ClientSampleId :

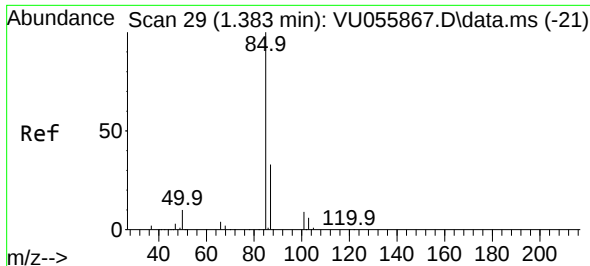
Quant Time: Oct 26 01:56:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 26 01:50:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	322325	44.970	ug/L	98
29) Cyclohexane	5.383	56	328812	48.757	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	361410	47.545	ug/L	97
31) Carbon tetrachloride	5.518	117	304855	45.819	ug/L	98
33) Benzene	5.769	78	899417	48.360	ug/L	100
34) Trichloroethene	6.537	95	234900	46.159	ug/L	99
35) Methylcyclohexane	6.759	83	333981	45.234	ug/L	98
37) 1,2-Dichloropropane	6.785	63	242330	47.317	ug/L	99
38) Bromodichloromethane	7.100	83	315778	46.756	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	363280	46.625	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	625916	87.851	ug/L	95
42) Toluene	7.965	91	971231	49.490	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	359930	48.281	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	243236	48.166	ug/L	98
46) Tetrachloroethene	8.550	164	173400	47.592	ug/L	99
48) 2-Hexanone	8.682	43	501795	83.382	ug/L	96
49) Dibromochloromethane	8.804	129	251487	48.739	ug/L	99
50) 1,2-Dibromoethane	8.920	107	261708	48.249	ug/L	99
51) Chlorobenzene	9.444	112	638500	50.286	ug/L	99
52) Ethylbenzene	9.566	91	1098311	51.190	ug/L	100
53) m,p-Xylene	9.688	106	426669	53.081	ug/L	96
54) o-Xylene	10.097	106	426639	54.850	ug/L	98
55) Styrene	10.110	104	744521	56.502	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	450507	52.100	ug/L	98
59) Bromoform	10.286	173	207531	50.919	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	339554	47.255	ug/L	98
61) Isopropylbenzene	10.479	105	1126755	54.590	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	986878	59.090	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	992312	60.087	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	534693	52.404	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	537042	51.194	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	539096	53.241	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	91494	42.591	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	361914	53.177	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	316417	55.816	ug/L	100
71) Naphthalene	14.080	128	971950	57.718	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	308683	55.228	ug/L	98

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

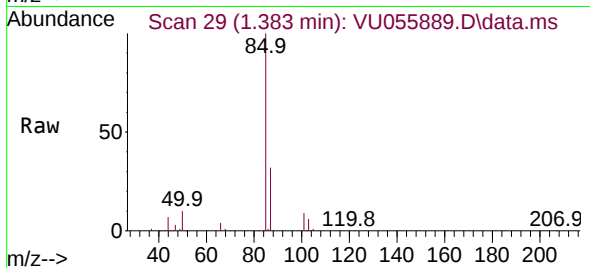
Quant Time: Oct 26 01:56:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 26 01:50:39 2023
Response via : Initial Calibration



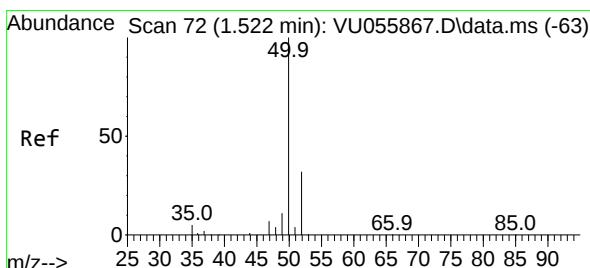
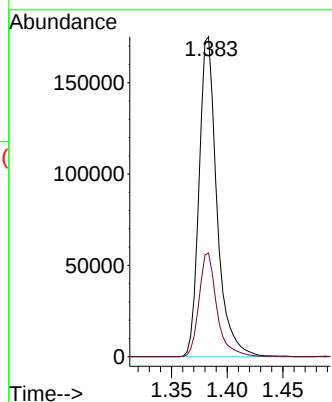
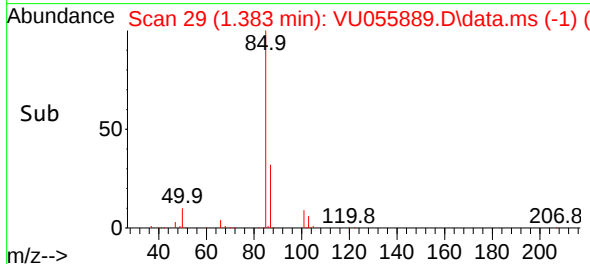


#2
Dichlorodifluoromethane
Concen: 40.652 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Instrument :
MSVOA_U
ClientSampleId :

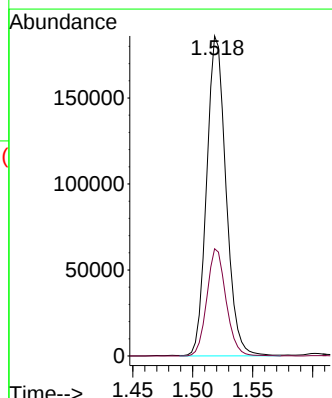
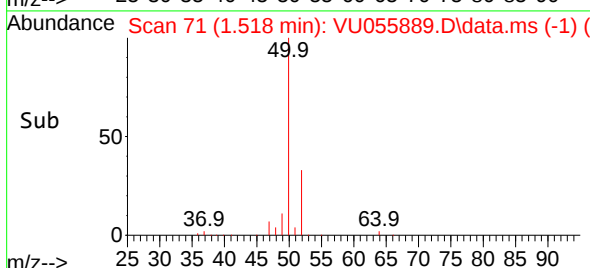
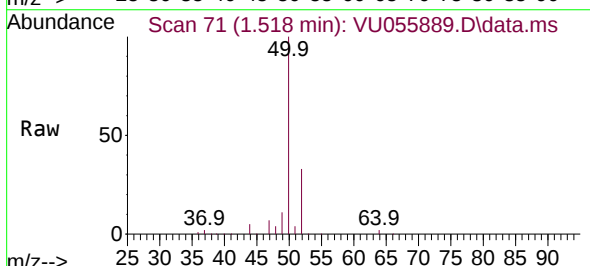


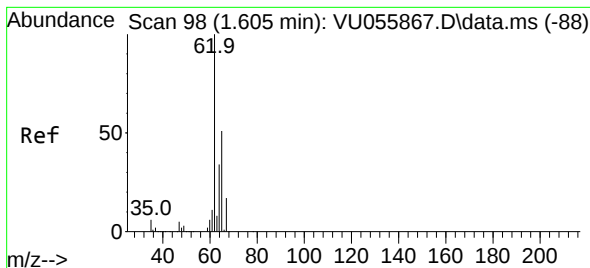
Tgt Ion: 85 Resp: 195325
Ion Ratio Lower Upper
85 100
87 32.5 26.0 39.0



#3
Chloromethane
Concen: 45.906 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Tgt Ion: 50 Resp: 208708
Ion Ratio Lower Upper
50 100
52 33.5 22.8 42.4





#5

Vinyl chloride

Concen: 44.833 ug/L

RT: 1.605 min Scan# 98

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

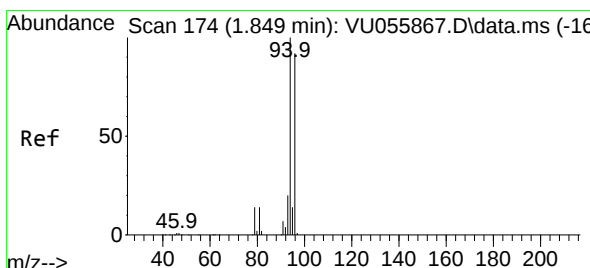
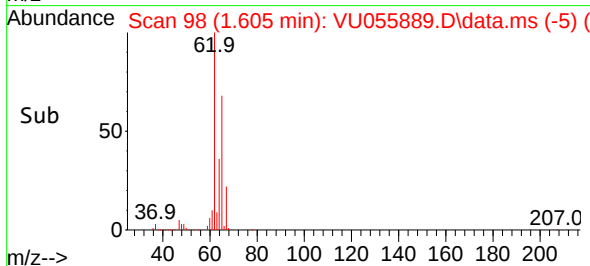
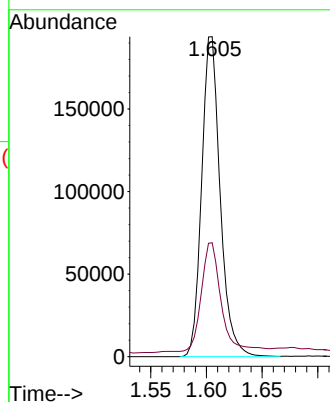
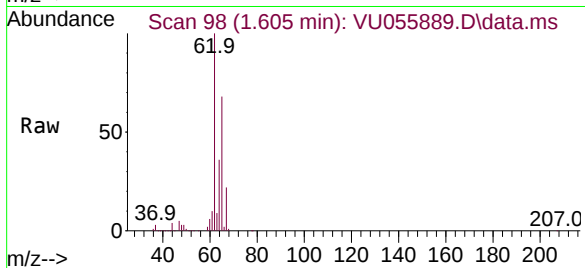
ClientSampleId :

Tgt Ion: 62 Resp: 224313

Ion Ratio Lower Upper

62 100

64 35.6 23.9 44.5



#6

Bromomethane

Concen: 33.030 ug/L

RT: 1.830 min Scan# 168

Delta R.T. -0.019 min

Lab File: VU055889.D

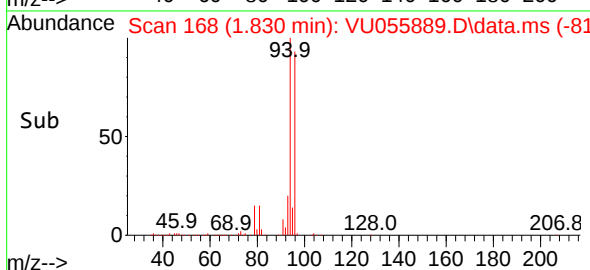
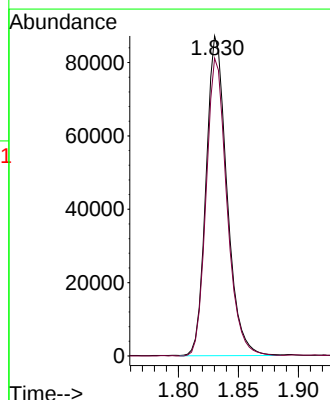
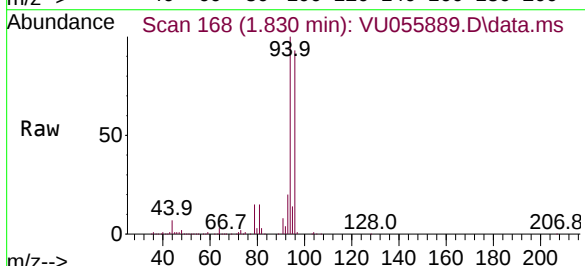
Acq: 25 Oct 2023 19:10

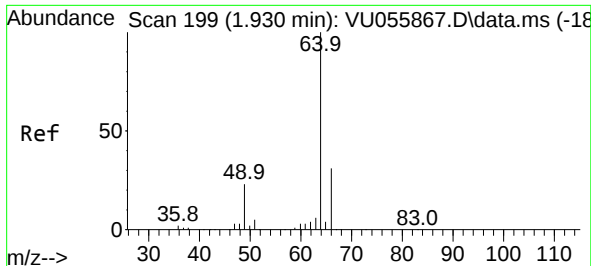
Tgt Ion: 94 Resp: 105646

Ion Ratio Lower Upper

94 100

96 93.1 63.5 117.9





#8

Chloroethane

Concen: 43.424 ug/L

RT: 1.917 min Scan# 19

Delta R.T. -0.013 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

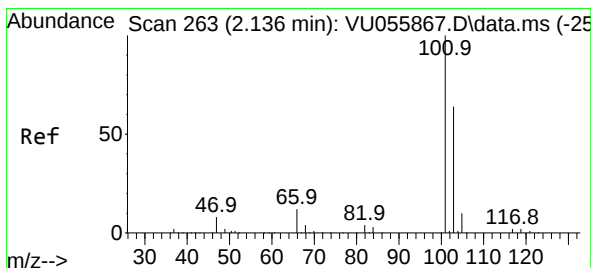
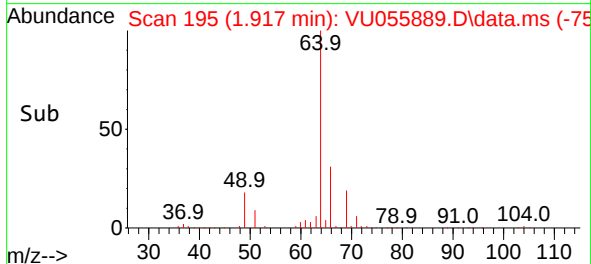
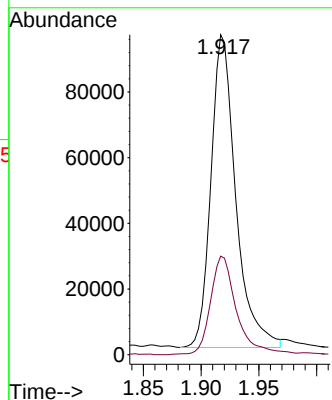
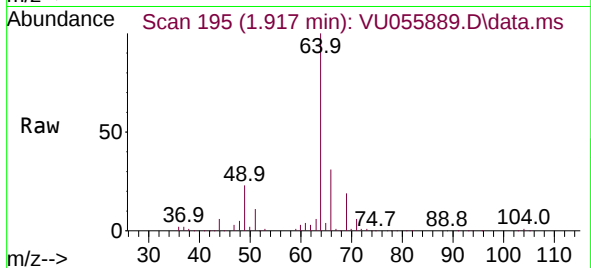
ClientSampleId :

Tgt Ion: 64 Resp: 142514

Ion Ratio Lower Upper

64 100

66 30.8 22.9 42.5



#9

Trichlorofluoromethane

Concen: 44.361 ug/L

RT: 2.129 min Scan# 261

Delta R.T. -0.006 min

Lab File: VU055889.D

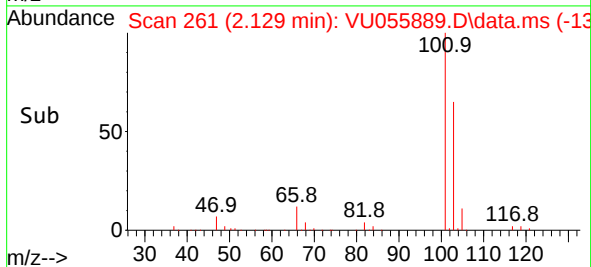
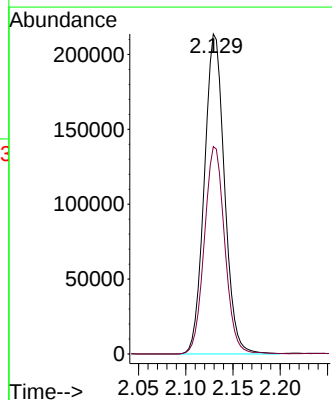
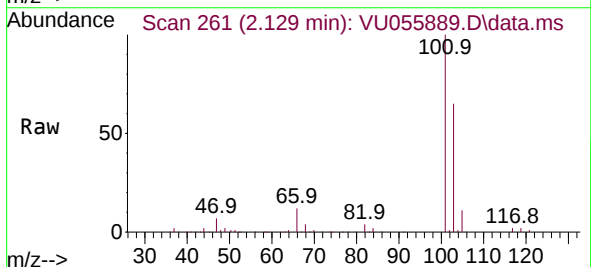
Acq: 25 Oct 2023 19:10

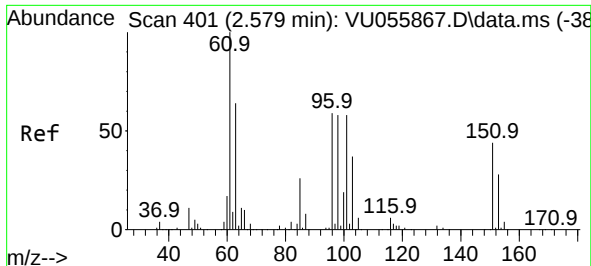
Tgt Ion:101 Resp: 317117

Ion Ratio Lower Upper

101 100

103 65.7 51.3 76.9

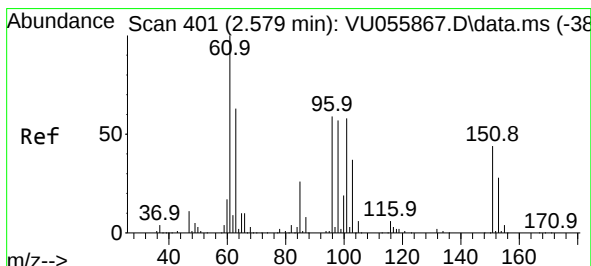
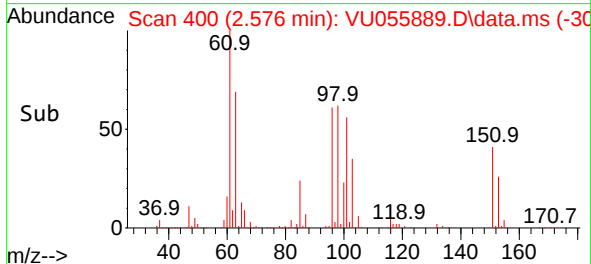
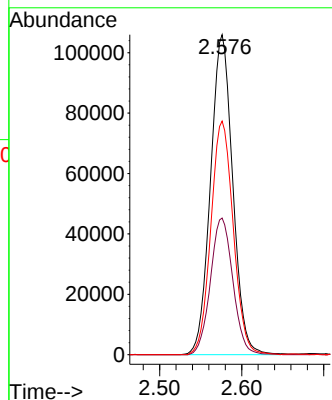
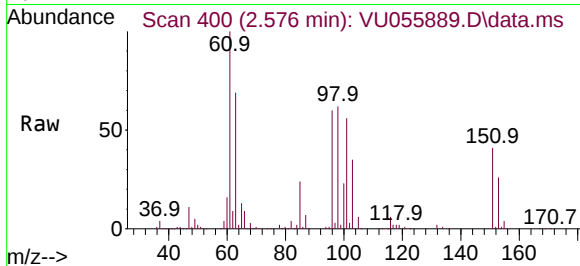




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.485 ug/L
 RT: 2.576 min Scan# 401
 Delta R.T. -0.003 min
 Lab File: VU055889.D
 Acq: 25 Oct 2023 19:10

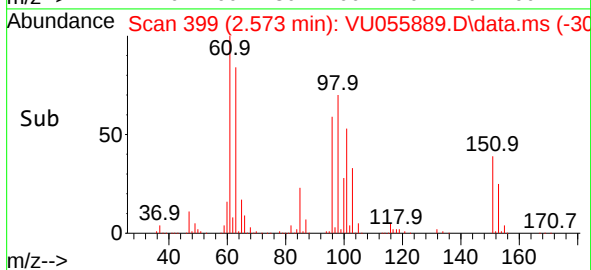
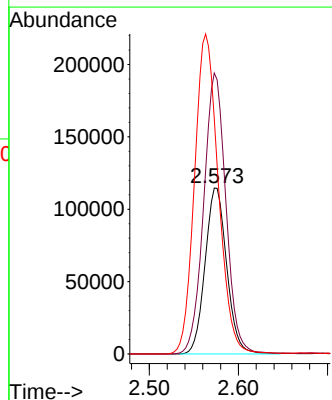
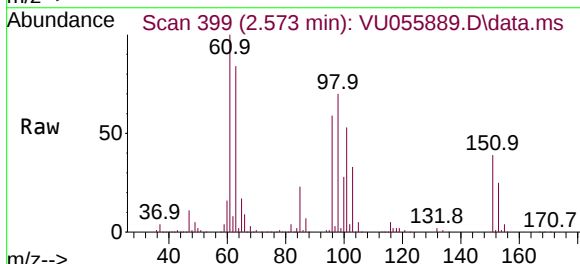
Instrument :
 MSVOA_U
 ClientSampleId :

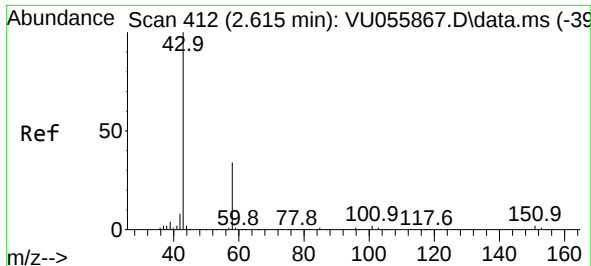
Tgt Ion:101 Resp: 199915
 Ion Ratio Lower Upper
 101 100
 85 42.9 37.1 55.7
 151 73.6 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 47.223 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VU055889.D
 Acq: 25 Oct 2023 19:10

Tgt Ion: 96 Resp: 193188
 Ion Ratio Lower Upper
 96 100
 61 169.2 122.0 226.6
 63 141.8 93.7 174.1





#13

Acetone

Concen: 46.723 ug/L

RT: 2.618 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

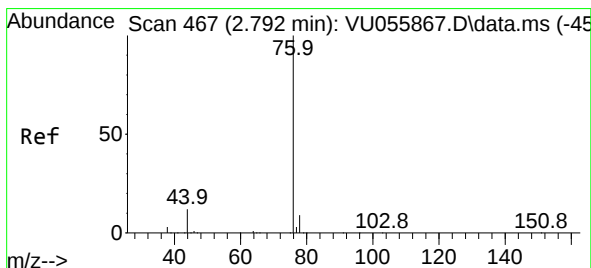
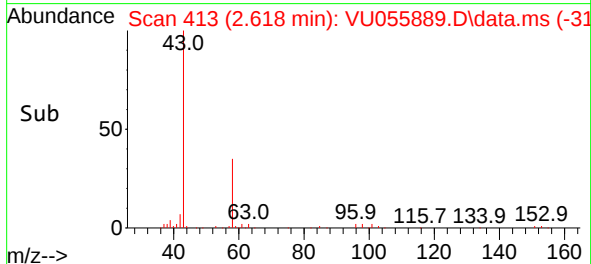
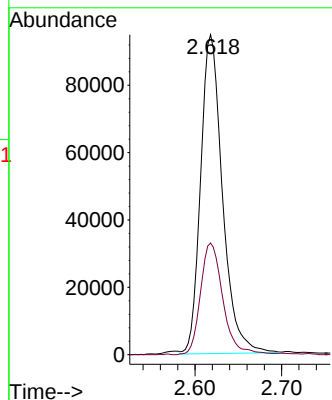
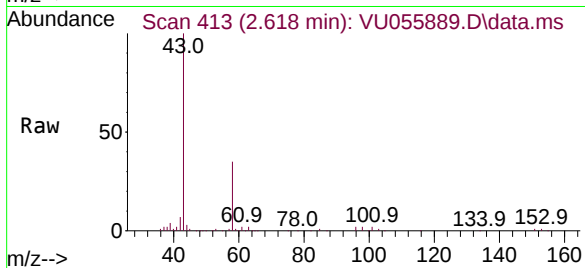
ClientSampleId :

Tgt Ion: 43 Resp: 166293

Ion Ratio Lower Upper

43 100

58 35.8 0.0 67.4



#14

Carbon disulfide

Concen: 41.333 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU055889.D

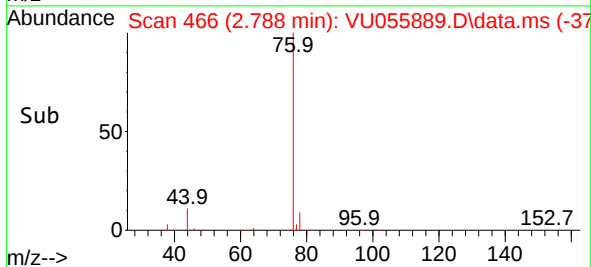
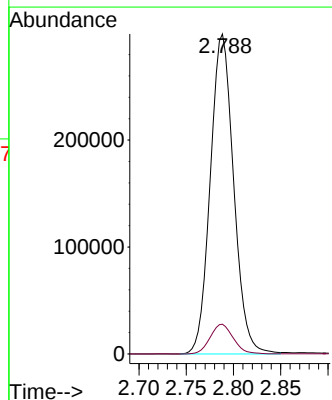
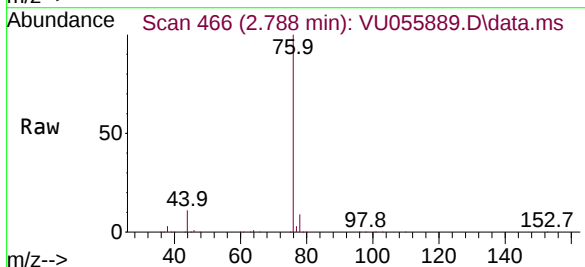
Acq: 25 Oct 2023 19:10

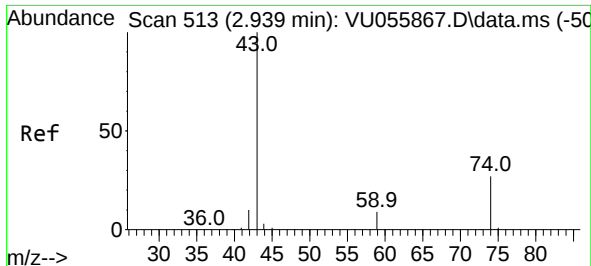
Tgt Ion: 76 Resp: 514581

Ion Ratio Lower Upper

76 100

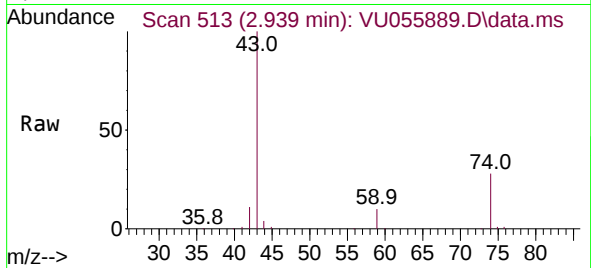
78 9.3 6.8 10.2



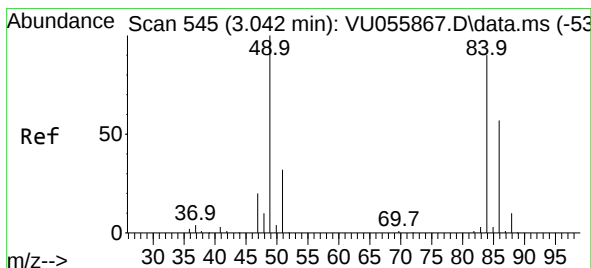
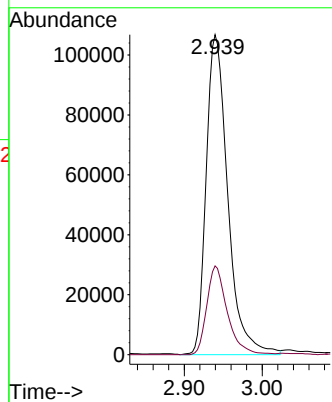
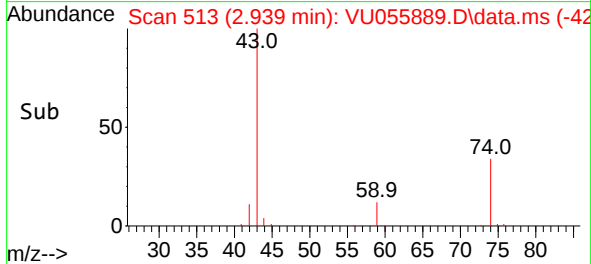


#15
Methyl Acetate
Concen: 37.670 ug/L
RT: 2.939 min Scan# 513
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Instrument :
MSVOA_U
ClientSampleId :

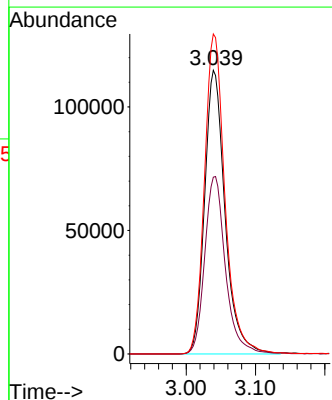
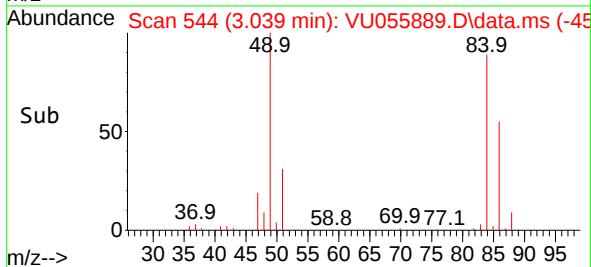
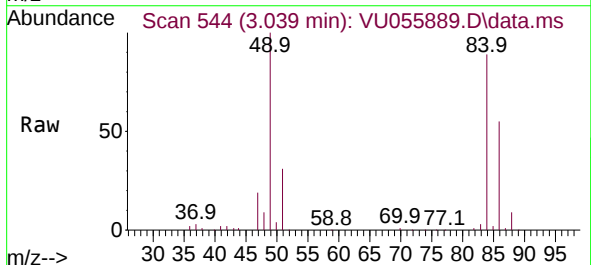


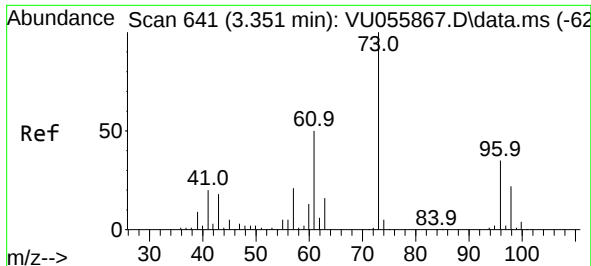
Tgt Ion: 43 Resp: 205329
Ion Ratio Lower Upper
43 100
74 26.3 19.5 29.3



#16
Methylene chloride
Concen: 47.412 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Tgt Ion: 84 Resp: 235216
Ion Ratio Lower Upper
84 100
86 62.4 46.3 86.1
49 112.8 84.8 157.6

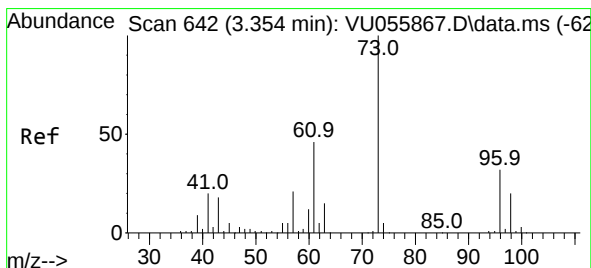
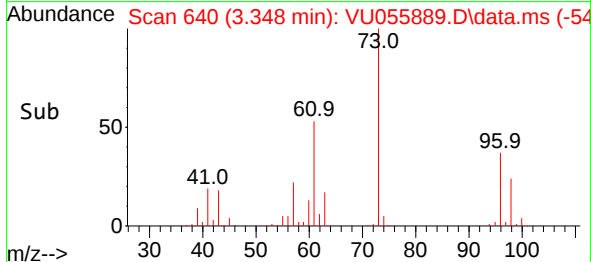
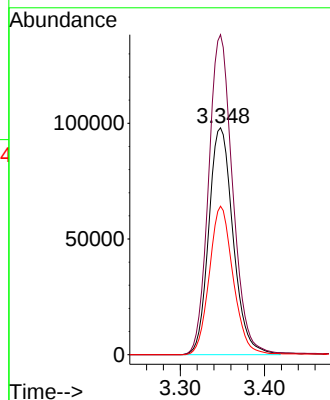
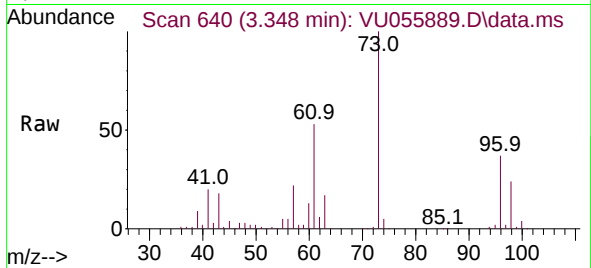




#17
trans-1,2-Dichloroethene
Concen: 47.221 ug/L
RT: 3.348 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

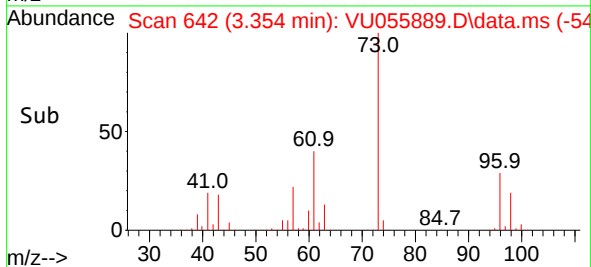
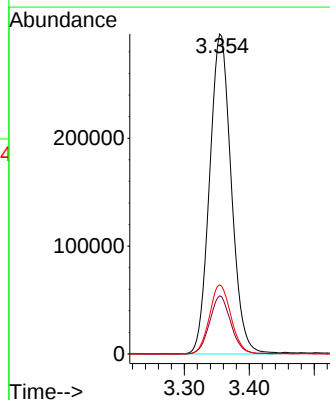
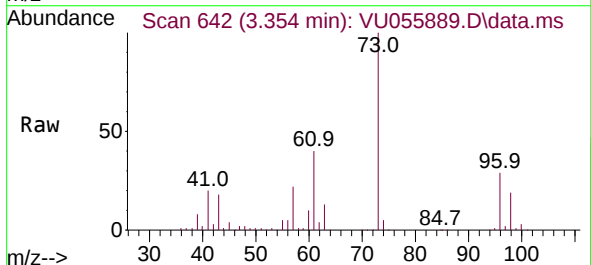
Instrument :
MSVOA_U
ClientSampleId :

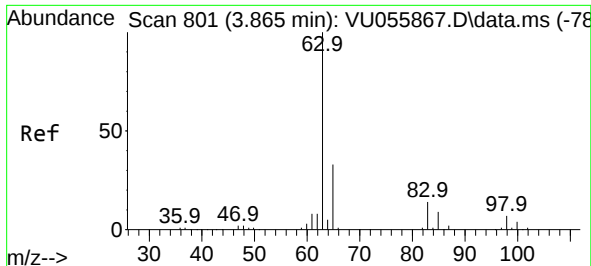
Tgt Ion: 96 Resp: 197538
Ion Ratio Lower Upper
96 100
61 141.1 102.1 189.7
98 65.5 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 51.137 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Tgt Ion: 73 Resp: 687960
Ion Ratio Lower Upper
73 100
43 17.8 15.4 23.2
57 21.5 17.7 26.5

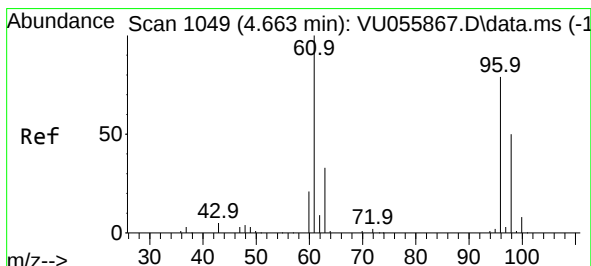
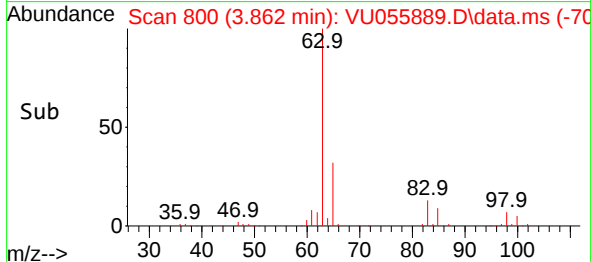
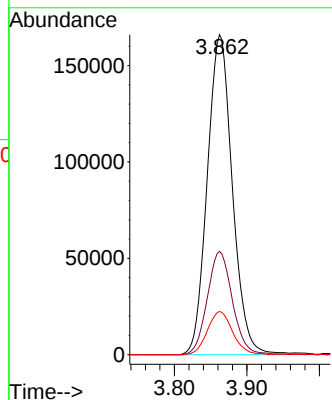
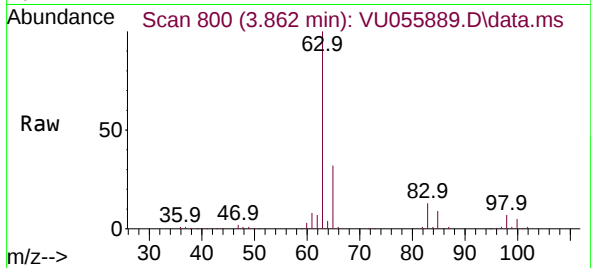




#19
1,1-Dichloroethane
Concen: 46.434 ug/L
RT: 3.862 min Scan# 801
Delta R.T. -0.003 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

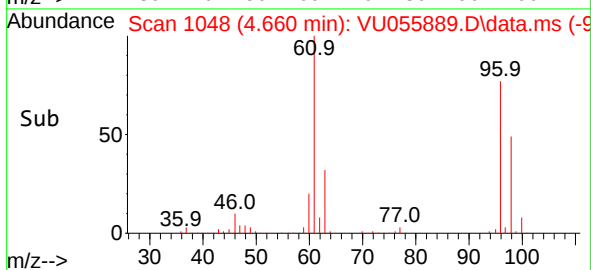
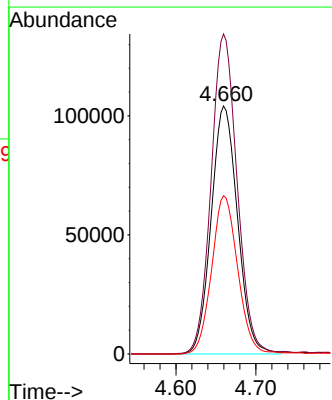
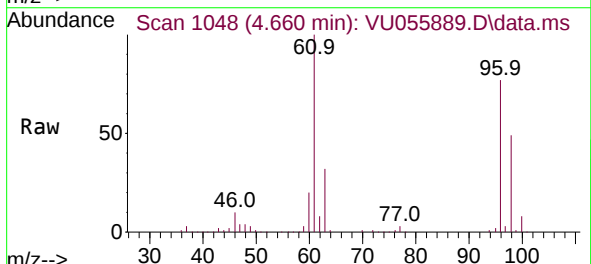
Instrument :
MSVOA_U
ClientSampleId :

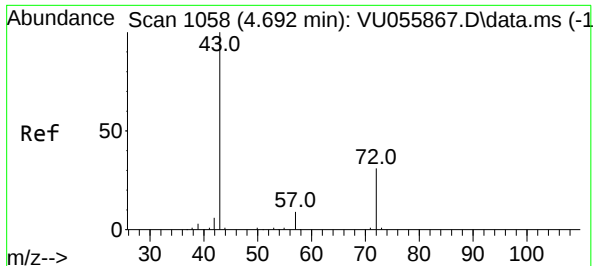
Tgt Ion: 63 Resp: 398347
Ion Ratio Lower Upper
63 100
65 32.3 22.3 41.5
83 13.5 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 50.084 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Tgt Ion: 96 Resp: 239120
Ion Ratio Lower Upper
96 100
61 129.0 92.3 171.5
98 63.8 43.9 81.5





#22

2-Butanone

Concen: 65.603 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

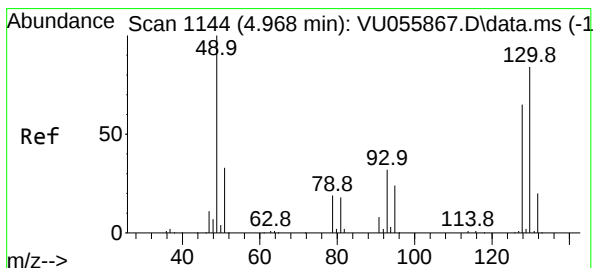
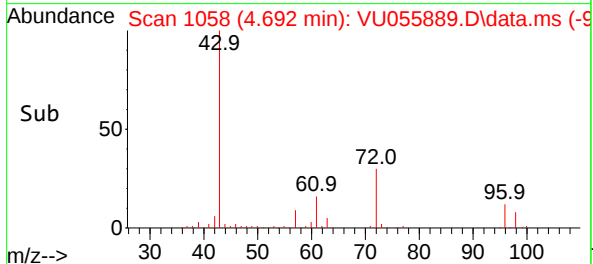
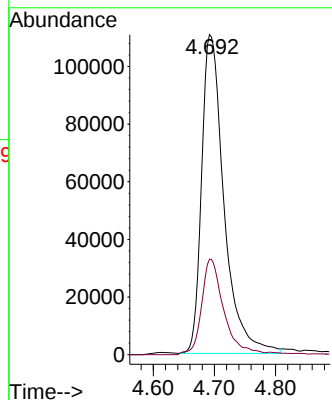
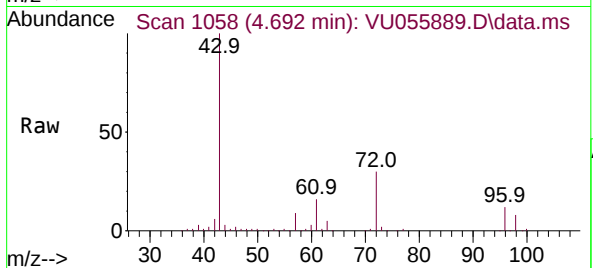
ClientSampleId :

Tgt Ion: 43 Resp: 281428

Ion Ratio Lower Upper

43 100

72 29.5 14.6 44.0



#23

Bromochloromethane

Concen: 48.404 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Tgt Ion: 128 Resp: 119683

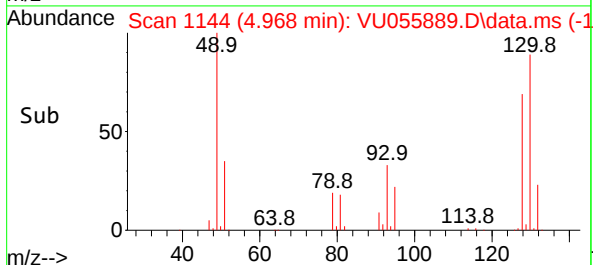
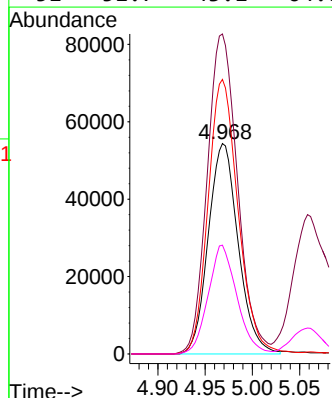
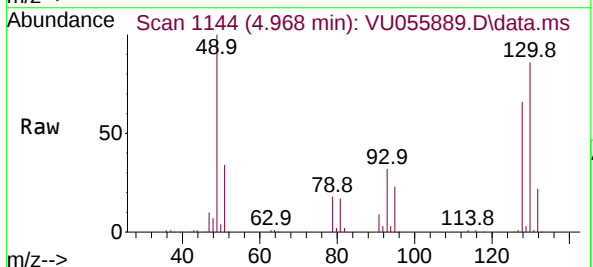
Ion Ratio Lower Upper

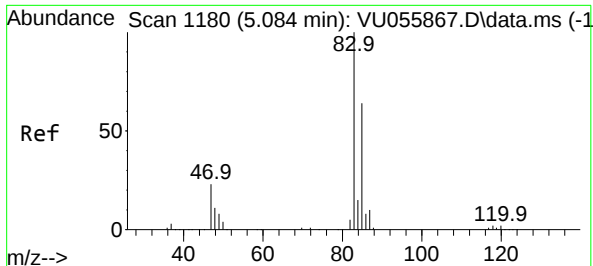
128 100

49 152.1 116.3 216.1

130 130.5 91.6 170.0

51 51.7 43.1 64.7





#25

Chloroform

Concen: 47.435 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

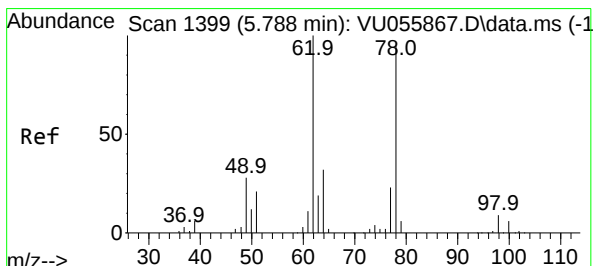
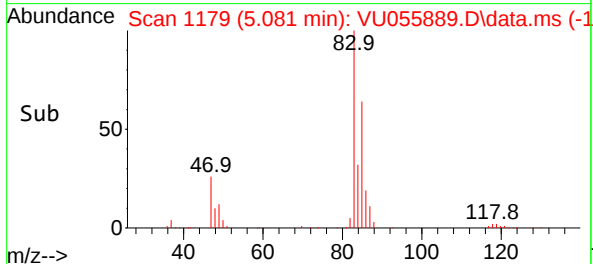
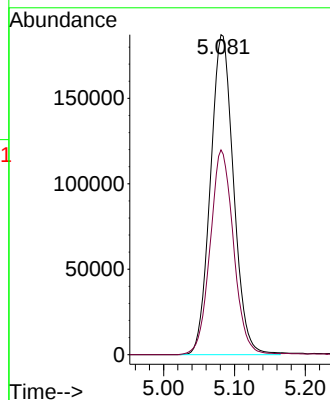
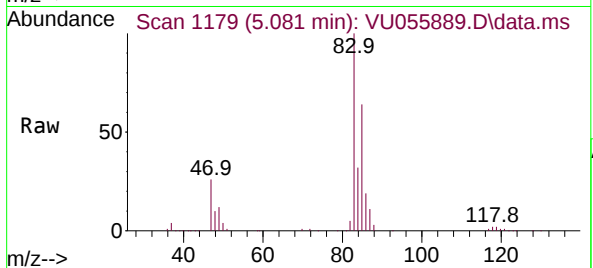
ClientSampleId :

Tgt Ion: 83 Resp: 425098

Ion Ratio Lower Upper

83 100

85 64.0 46.3 86.1



#27

1,2-Dichloroethane

Concen: 44.970 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU055889.D

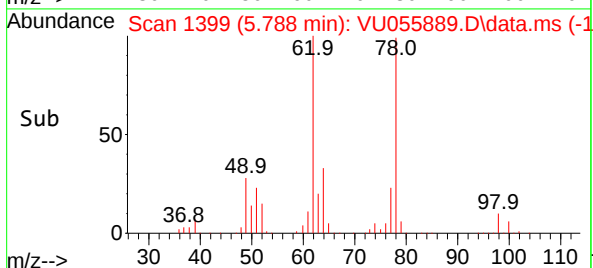
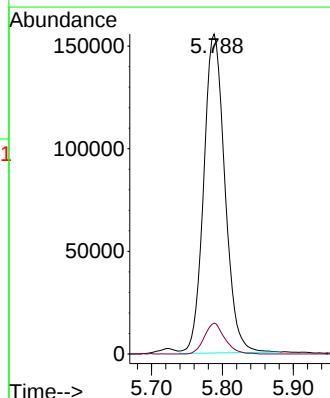
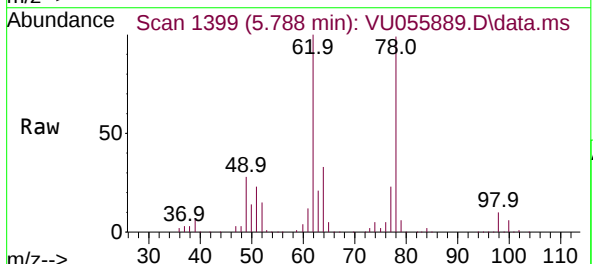
Acq: 25 Oct 2023 19:10

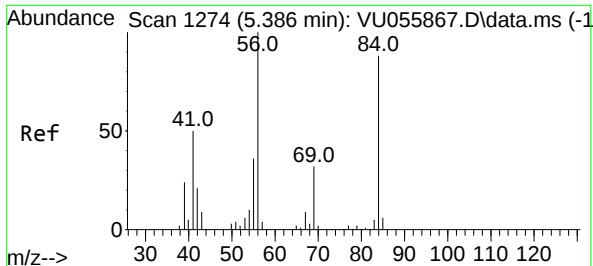
Tgt Ion: 62 Resp: 322325

Ion Ratio Lower Upper

62 100

98 9.6 7.2 10.8





#29

Cyclohexane

Concen: 48.757 ug/L

RT: 5.383 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

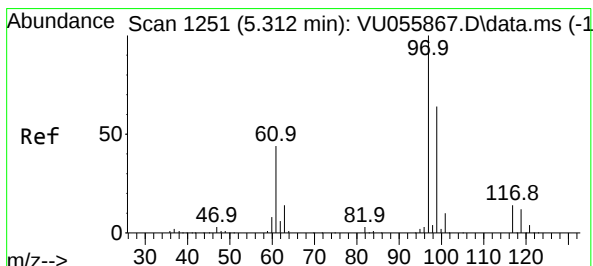
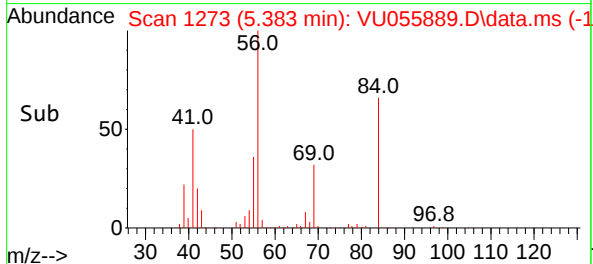
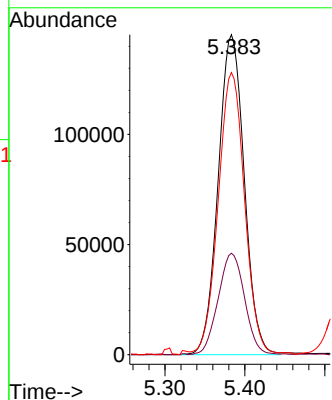
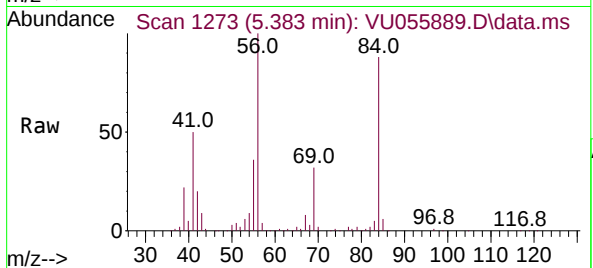
Tgt Ion: 56 Resp: 328812

Ion Ratio Lower Upper

56 100

69 32.1 24.9 37.3

84 88.0 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 47.545 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

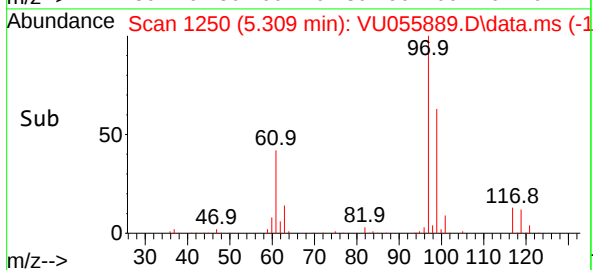
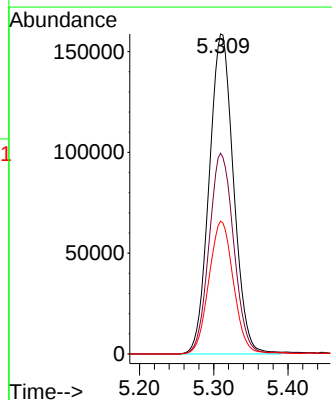
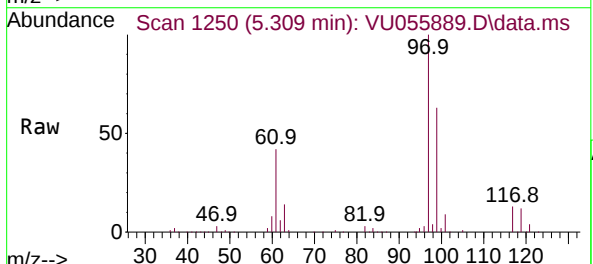
Tgt Ion: 97 Resp: 361410

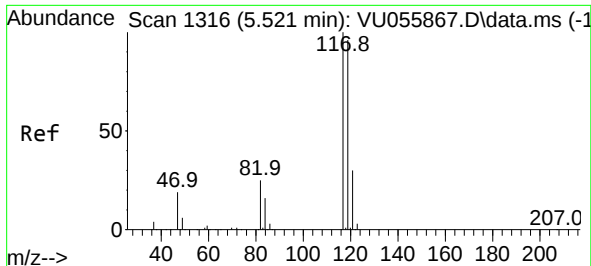
Ion Ratio Lower Upper

97 100

99 63.5 51.6 77.4

61 42.2 36.8 55.2

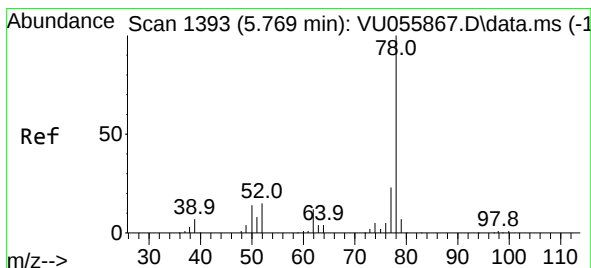
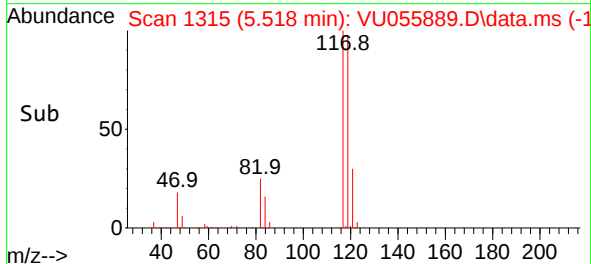
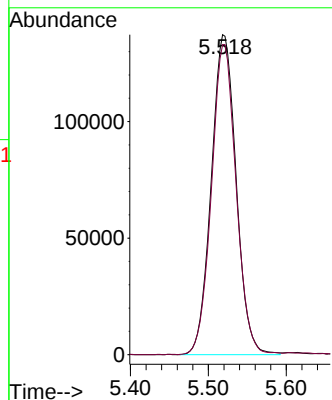
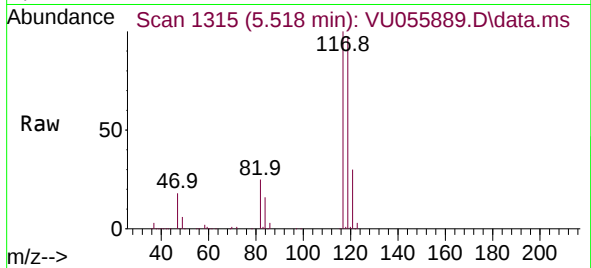




#31
Carbon tetrachloride
Concen: 45.819 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

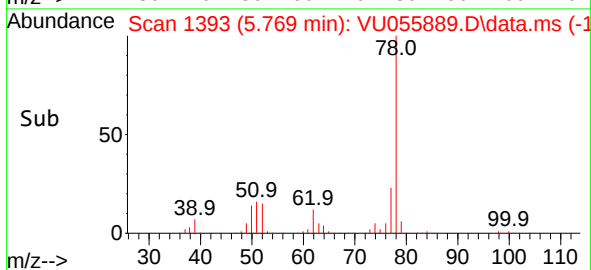
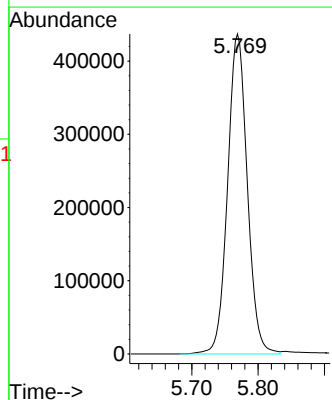
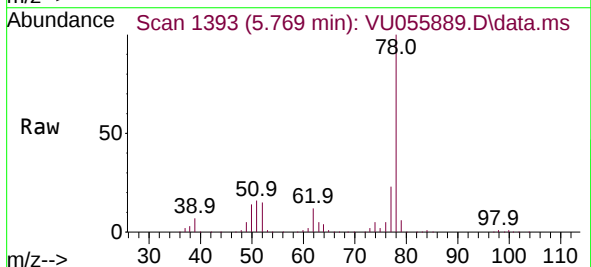
Instrument :
MSVOA_U
ClientSampleId :

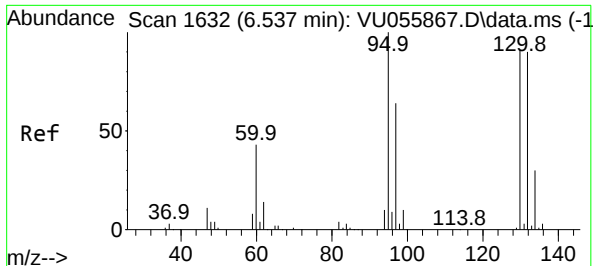
Tgt Ion:117 Resp: 304855
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.0



#33
Benzene
Concen: 48.360 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

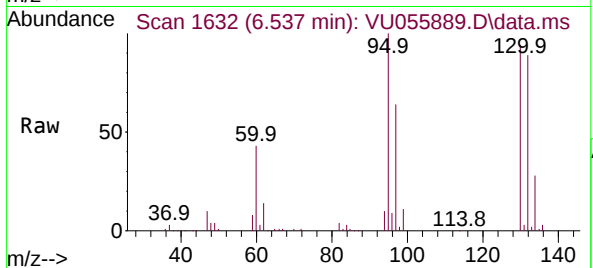
Tgt Ion: 78 Resp: 899417



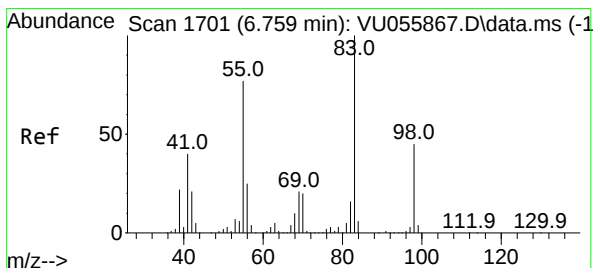
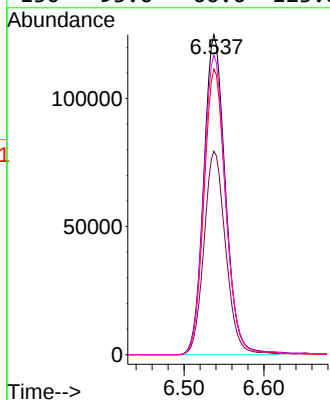
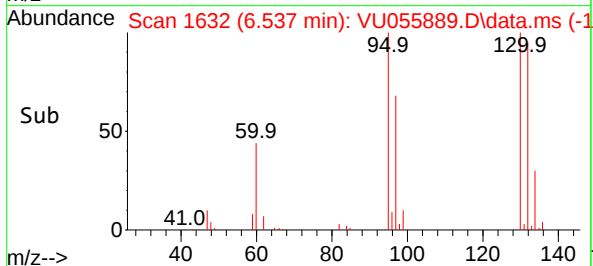


#34
Trichloroethene
Concen: 46.159 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

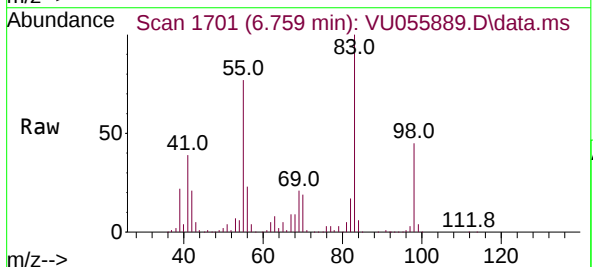
Instrument :
MSVOA_U
ClientSampleId :



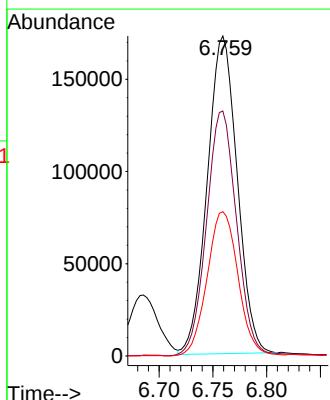
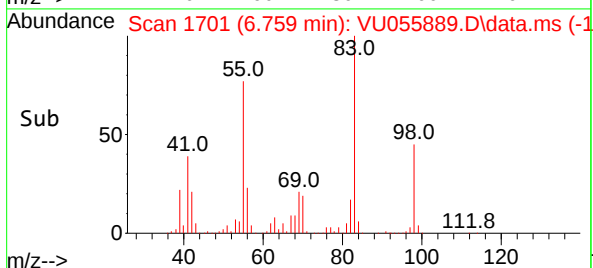
Tgt Ion: 95 Resp: 234900
Ion Ratio Lower Upper
95 100
97 63.6 44.4 82.5
132 89.3 61.8 114.8
130 93.6 66.6 123.8

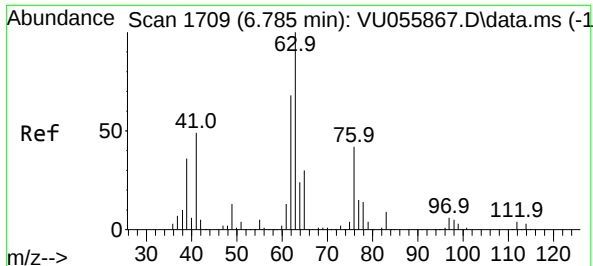


#35
Methylcyclohexane
Concen: 45.234 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10



Tgt Ion: 83 Resp: 333981
Ion Ratio Lower Upper
83 100
55 77.5 61.2 91.8
98 47.1 35.8 53.6





#37

1,2-Dichloropropane

Concen: 47.317 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

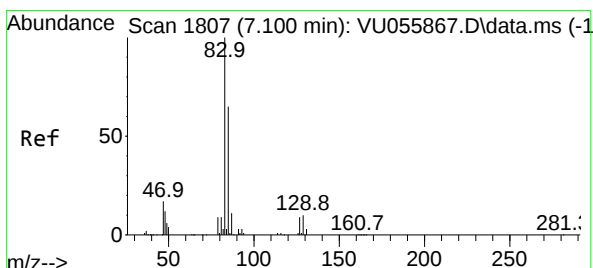
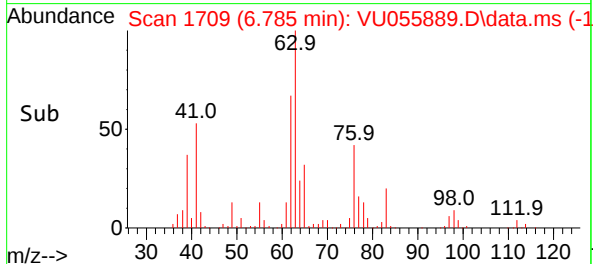
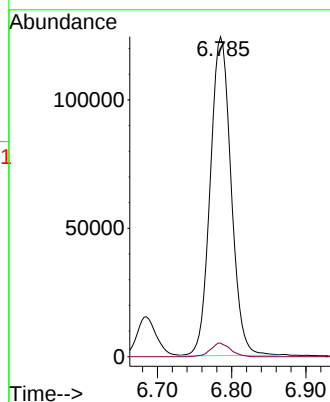
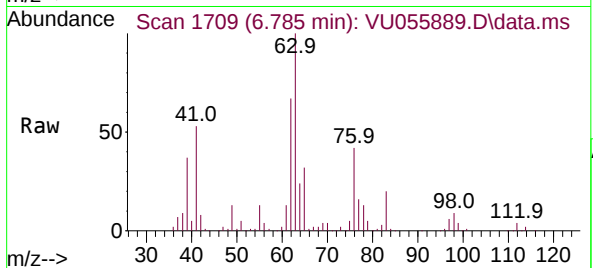
ClientSampleId :

Tgt Ion: 63 Resp: 242330

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.4



#38

Bromodichloromethane

Concen: 46.756 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

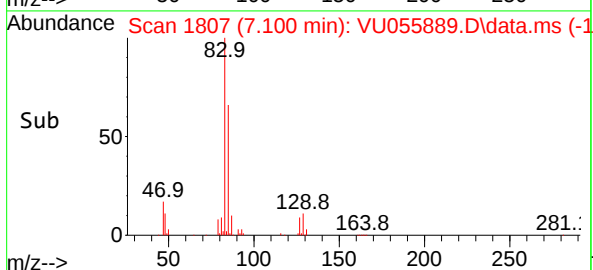
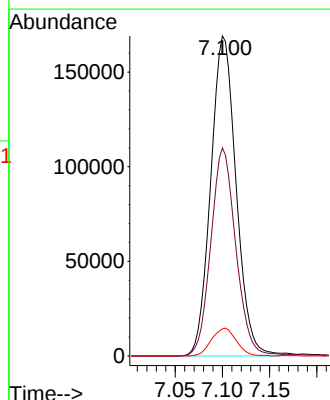
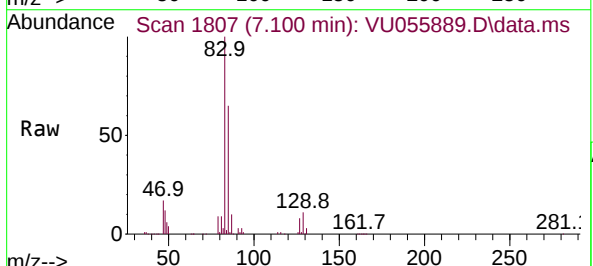
Tgt Ion: 83 Resp: 315778

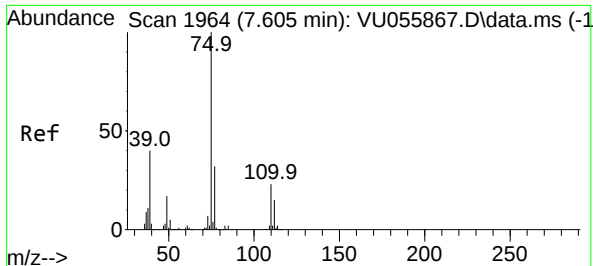
Ion Ratio Lower Upper

83 100

85 65.0 46.0 85.4

127 8.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 46.625 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

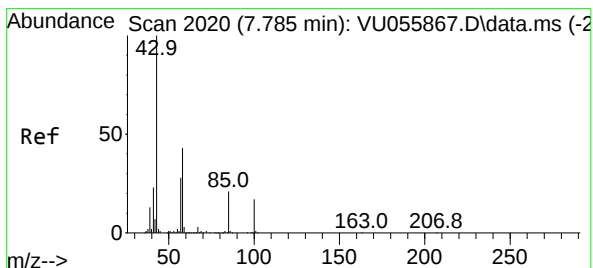
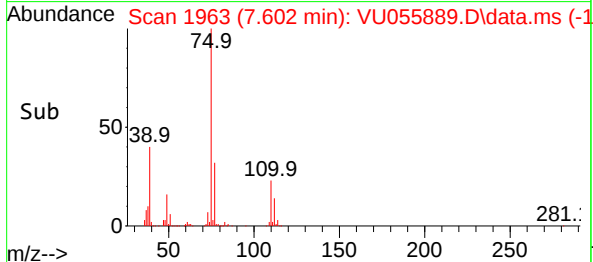
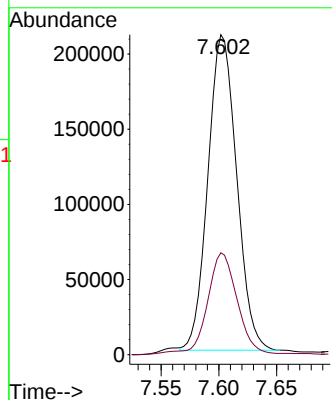
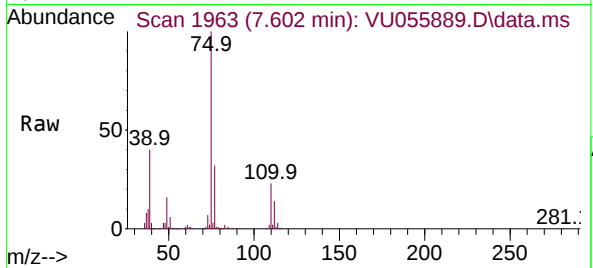
ClientSampleId :

Tgt Ion: 75 Resp: 363280

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 87.851 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

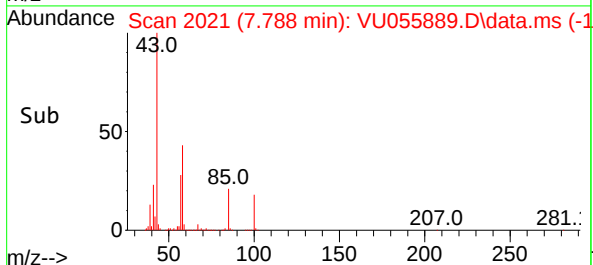
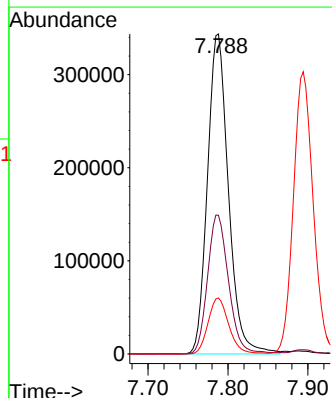
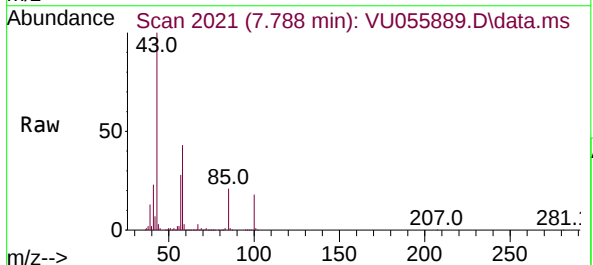
Tgt Ion: 43 Resp: 625916

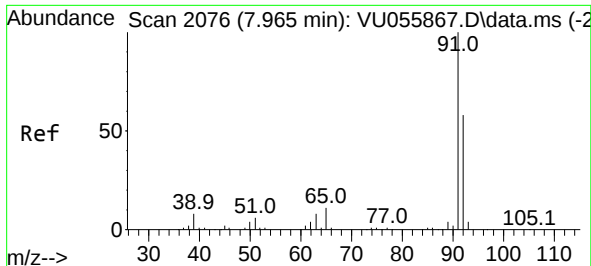
Ion Ratio Lower Upper

43 100

58 43.6 32.3 48.5

100 17.3 12.0 18.0





#42

Toluene

Concen: 49.490 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

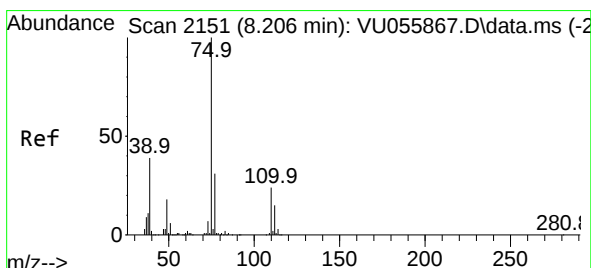
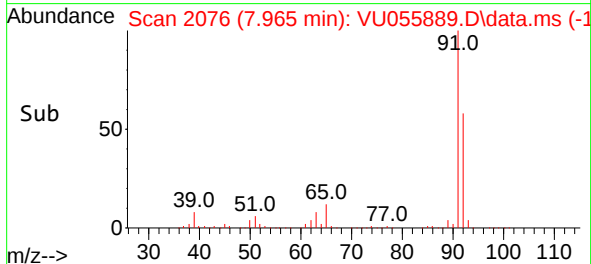
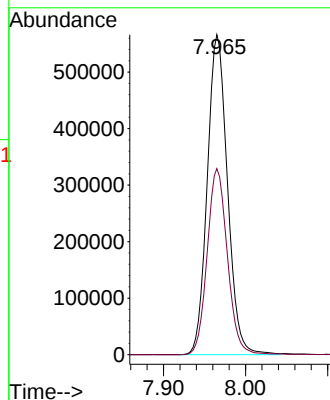
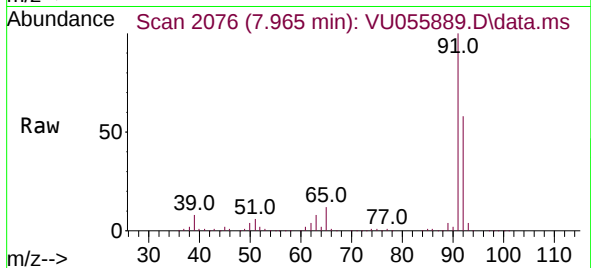
ClientSampleId :

Tgt Ion: 91 Resp: 971231

Ion Ratio Lower Upper

91 100

92 58.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 48.281 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055889.D

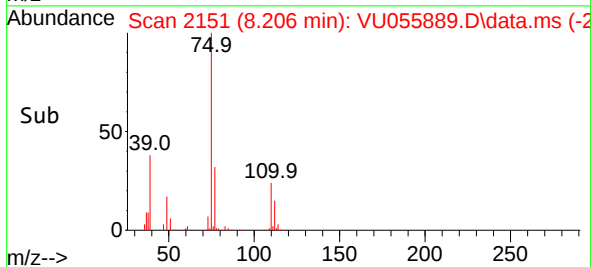
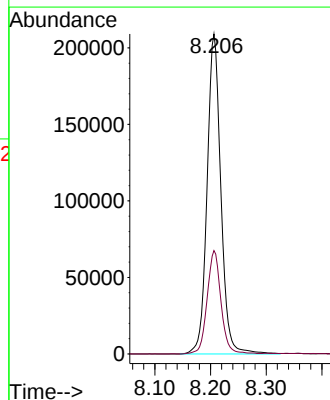
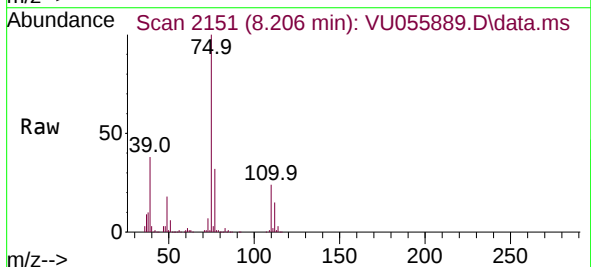
Acq: 25 Oct 2023 19:10

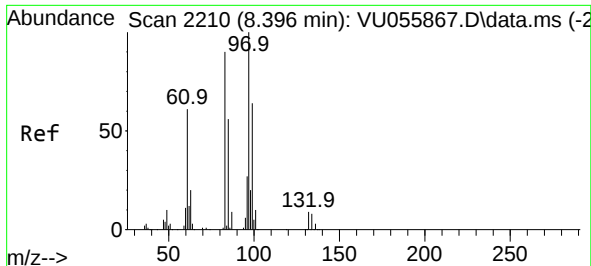
Tgt Ion: 75 Resp: 359930

Ion Ratio Lower Upper

75 100

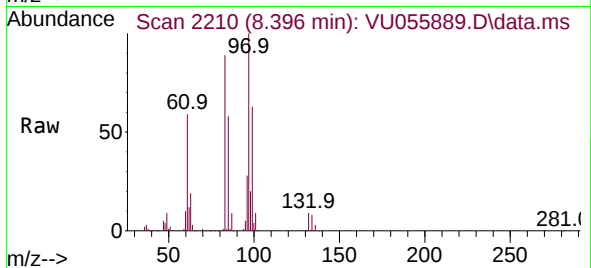
77 32.3 21.6 40.2



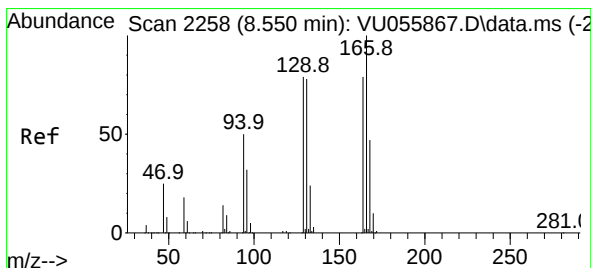
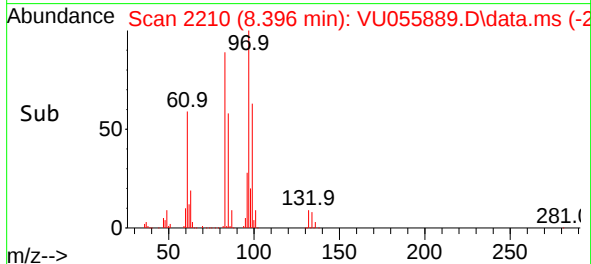
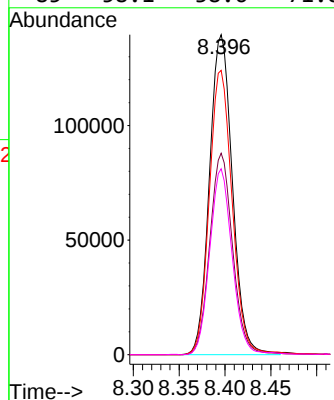


#45
1,1,2-Trichloroethane
Concen: 48.166 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Instrument :
MSVOA_U
ClientSampleId :

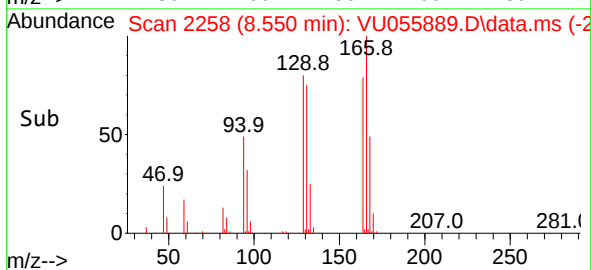
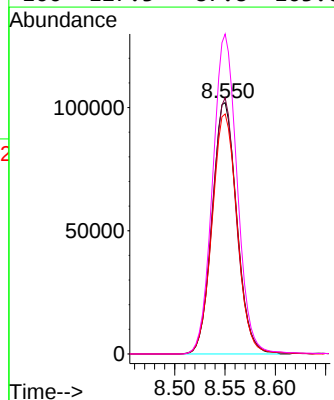
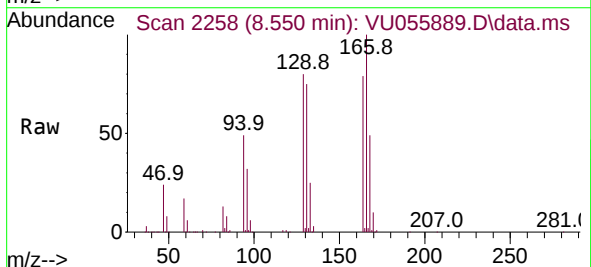


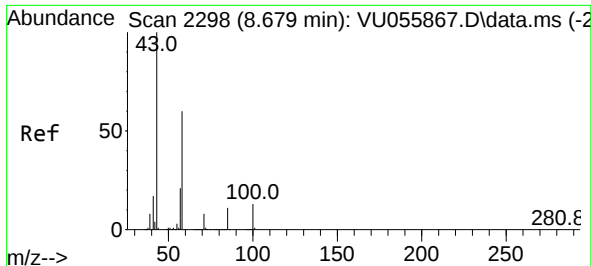
Tgt Ion: 97 Resp: 243236
Ion Ratio Lower Upper
97 100
99 63.0 44.4 82.5
83 88.9 60.4 112.2
85 58.1 38.6 71.8



#46
Tetrachloroethene
Concen: 47.592 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

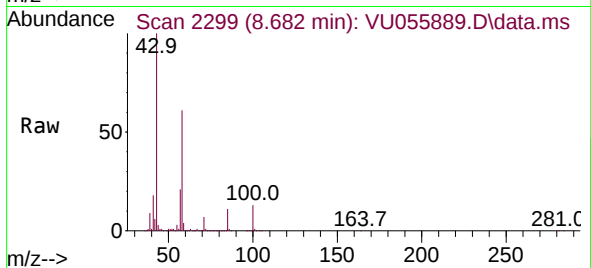
Tgt Ion:164 Resp: 173400
Ion Ratio Lower Upper
164 100
129 101.9 70.7 131.3
131 95.5 65.9 122.5
166 127.3 87.8 163.0



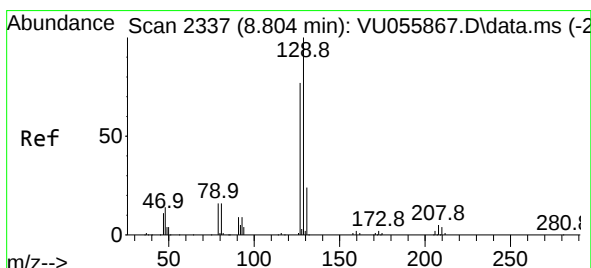
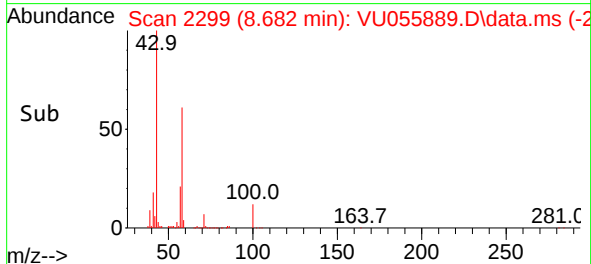
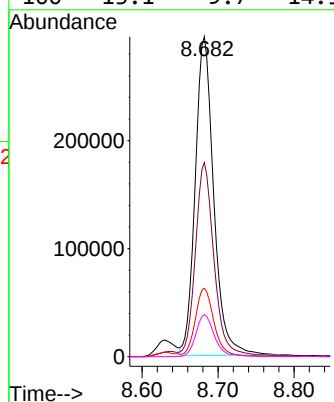


#48
2-Hexanone
Concen: 83.382 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Instrument :
MSVOA_U
ClientSampleId :

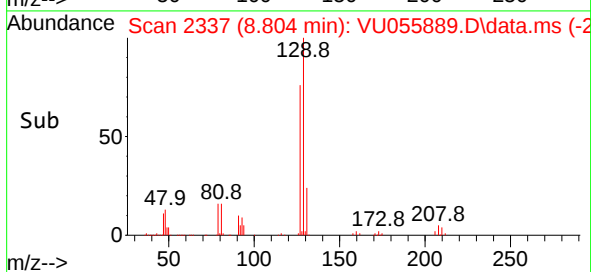
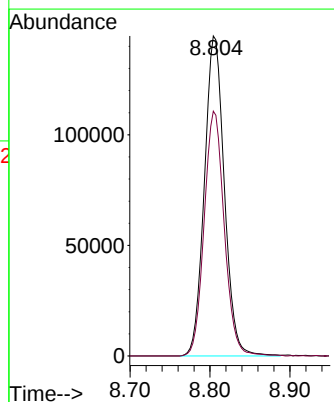
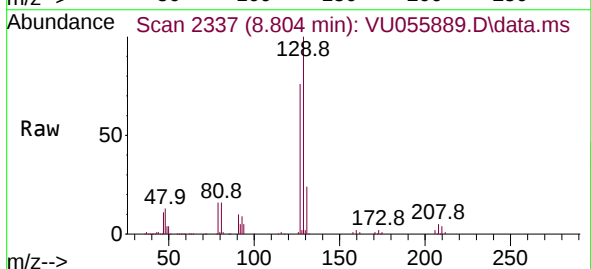


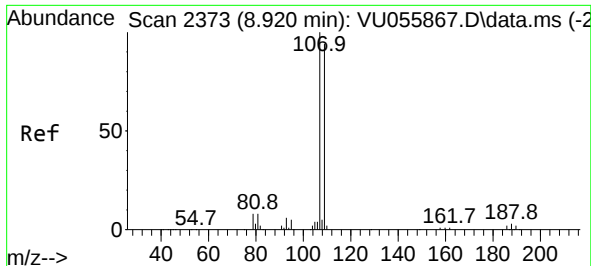
Tgt Ion: 43 Resp: 501795
Ion Ratio Lower Upper
43 100
58 59.7 45.2 67.8
57 21.9 16.1 24.1
100 13.1 9.7 14.5



#49
Dibromochloromethane
Concen: 48.739 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Tgt Ion: 129 Resp: 251487
Ion Ratio Lower Upper
129 100
127 76.5 54.0 100.4





#50

1,2-Dibromoethane

Concen: 48.249 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

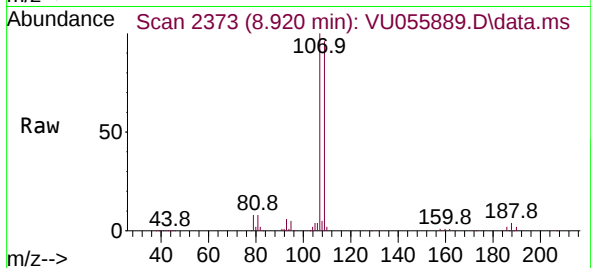
Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :



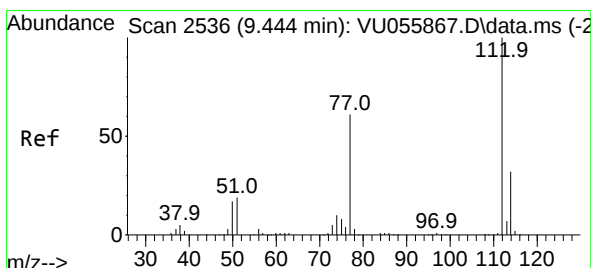
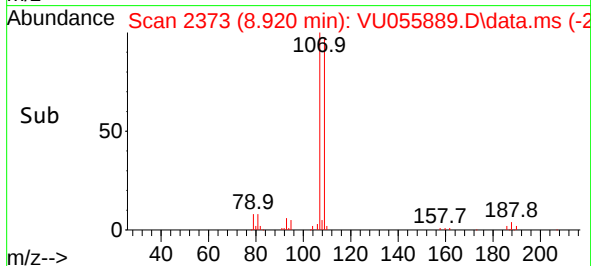
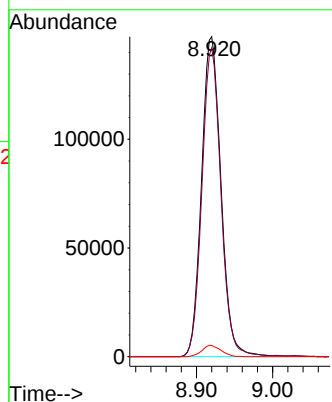
Tgt Ion:107 Resp: 261708

Ion Ratio Lower Upper

107 100

109 96.5 66.7 123.9

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 50.286 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

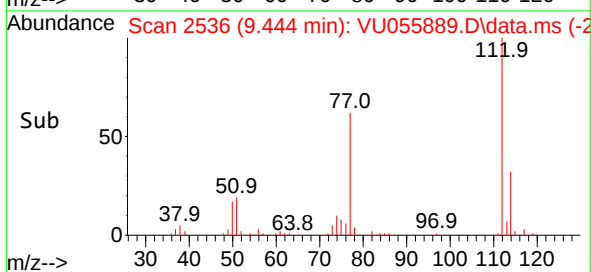
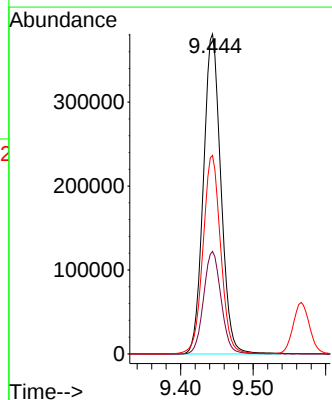
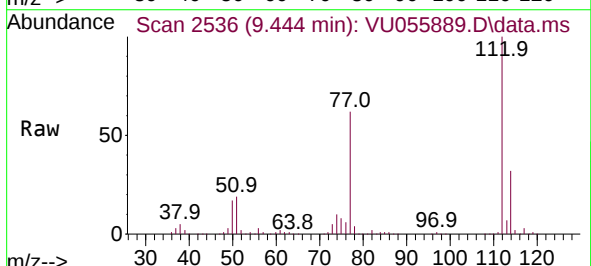
Tgt Ion:112 Resp: 638500

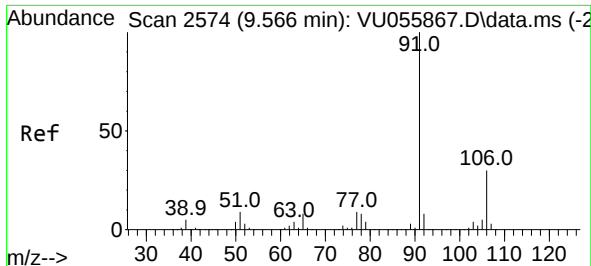
Ion Ratio Lower Upper

112 100

114 32.0 22.0 40.8

77 62.0 49.0 73.6

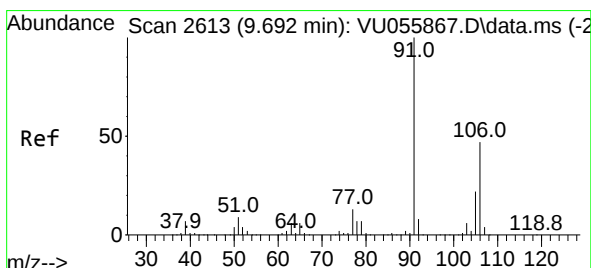
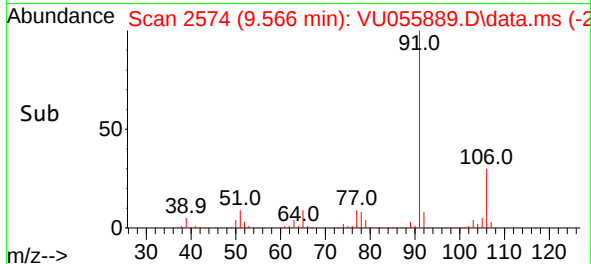
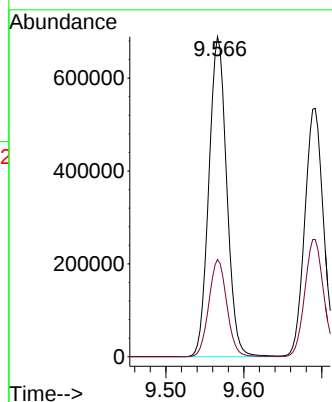
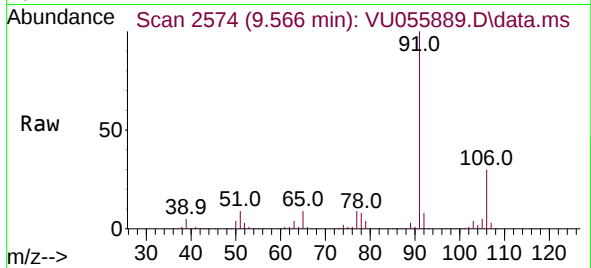




#52
Ethylbenzene
Concen: 51.190 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

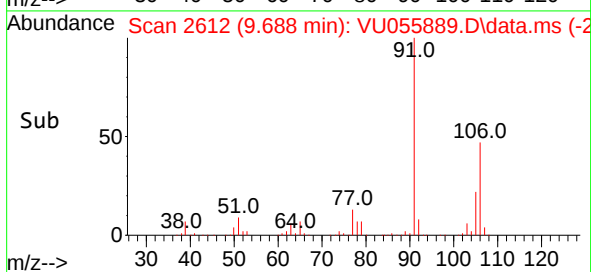
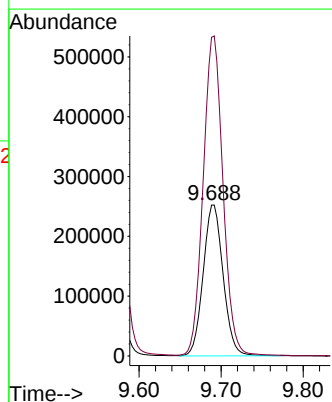
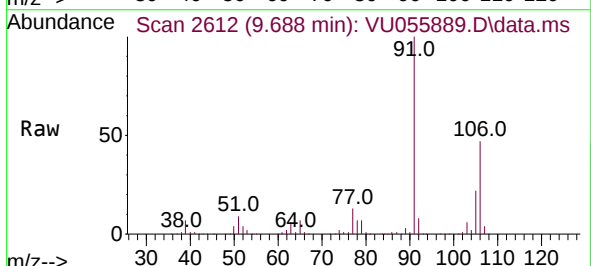
Instrument :
MSVOA_U
ClientSampleId :

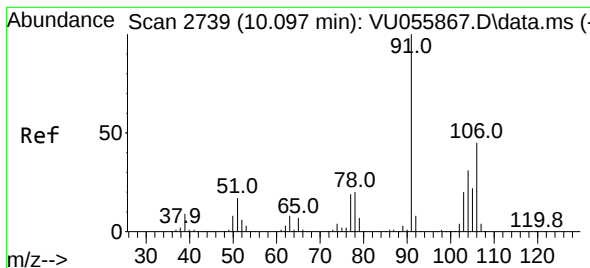
Tgt Ion: 91 Resp: 1098311
Ion Ratio Lower Upper
91 100
106 30.3 21.2 39.4



#53
m,p-Xylene
Concen: 53.081 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Tgt Ion:106 Resp: 426669
Ion Ratio Lower Upper
106 100
91 211.1 143.8 267.0





#54

o-Xylene

Concen: 54.850 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

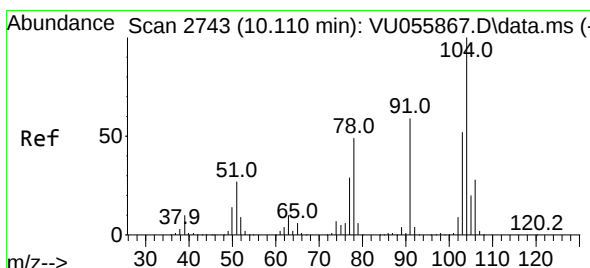
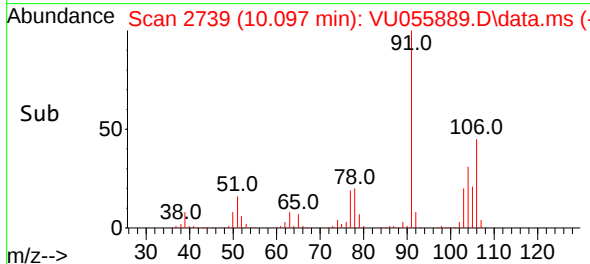
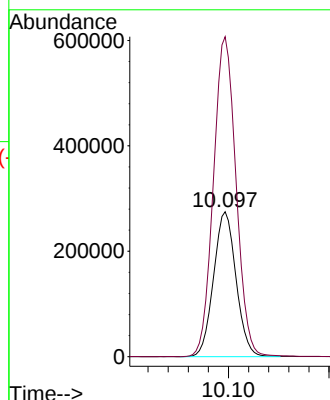
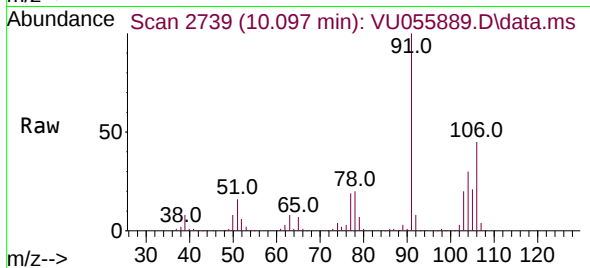
ClientSampleId :

Tgt Ion:106 Resp: 426639

Ion Ratio Lower Upper

106 100

91 220.6 151.8 282.0



#55

Styrene

Concen: 56.502 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU055889.D

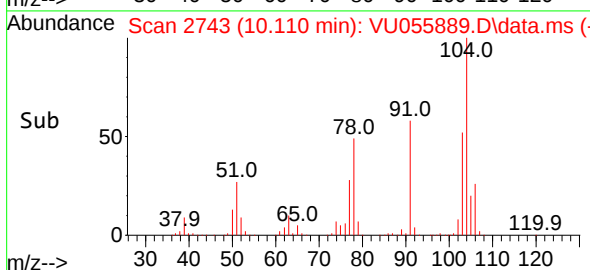
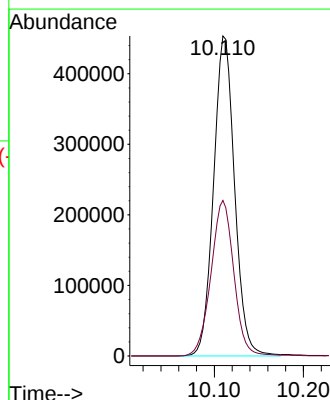
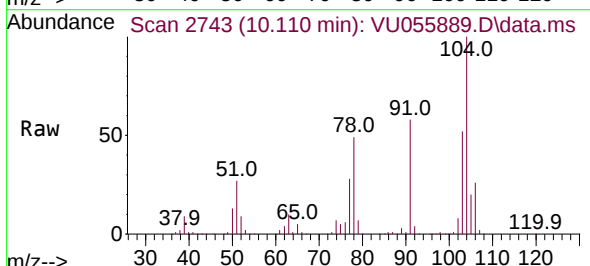
Acq: 25 Oct 2023 19:10

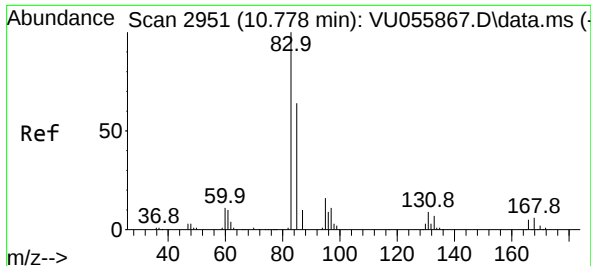
Tgt Ion:104 Resp: 744521

Ion Ratio Lower Upper

104 100

78 48.6 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 52.100 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

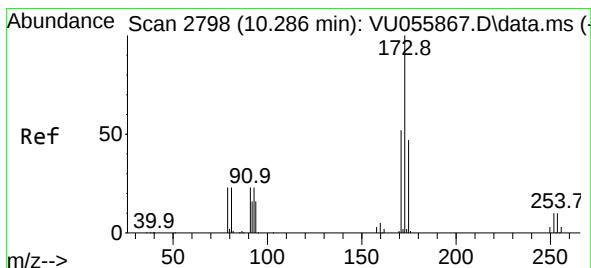
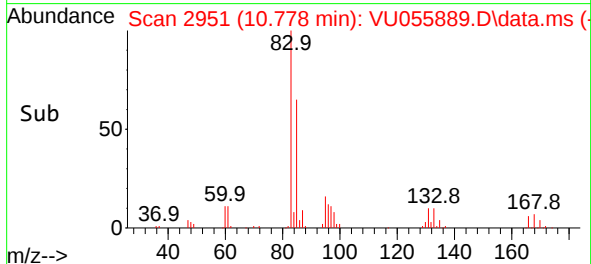
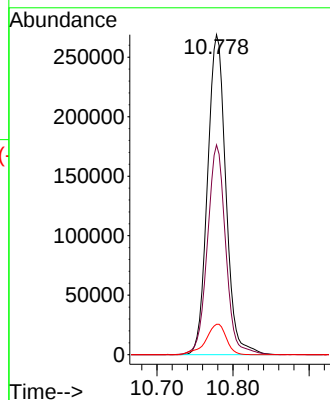
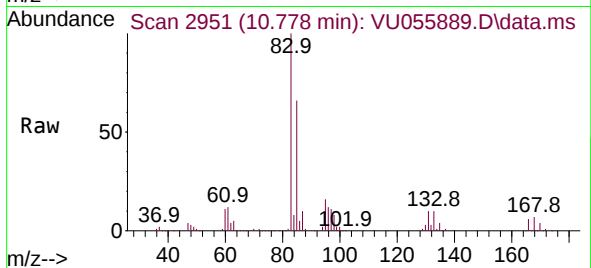
Tgt Ion: 83 Resp: 450507

Ion Ratio Lower Upper

83 100

85 65.5 44.9 83.5

131 9.5 7.3 10.9



#59

Bromoform

Concen: 50.919 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

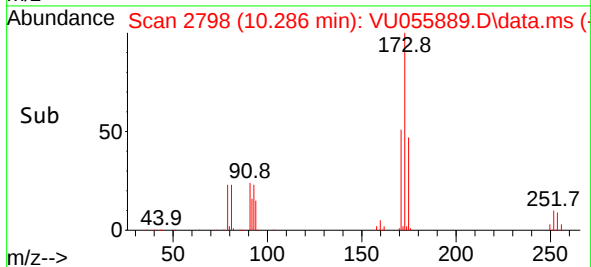
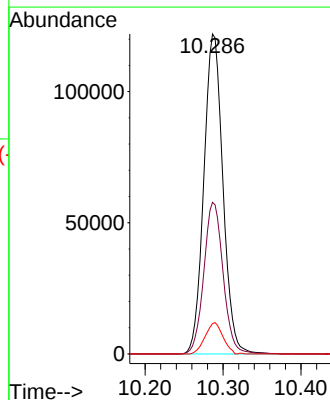
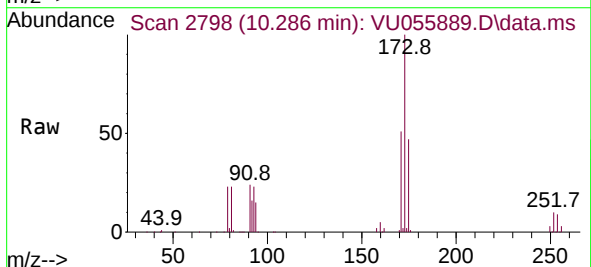
Tgt Ion:173 Resp: 207531

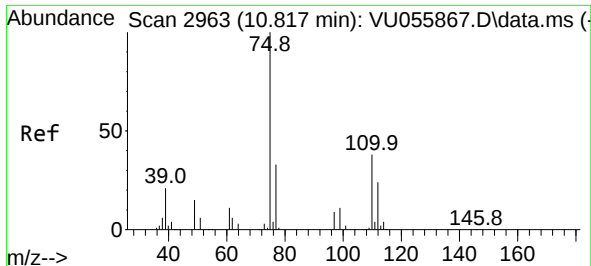
Ion Ratio Lower Upper

173 100

175 47.8 40.4 60.6

254 9.1 7.3 10.9

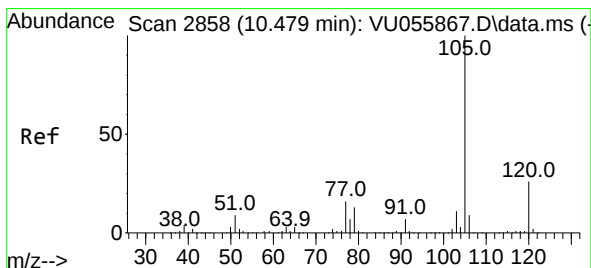
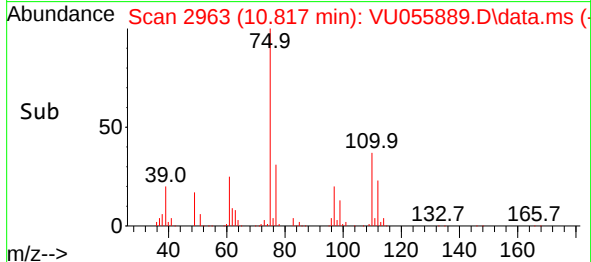
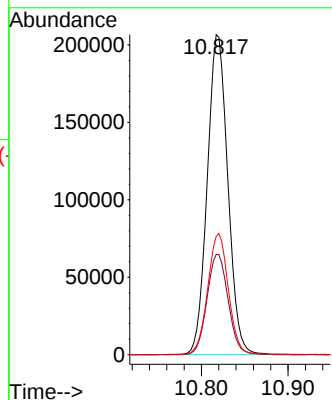
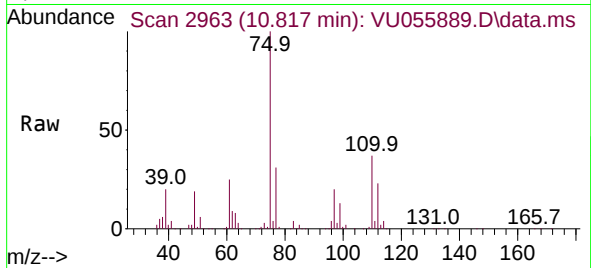




#60
1,2,3-Trichloropropane
Concen: 47.255 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

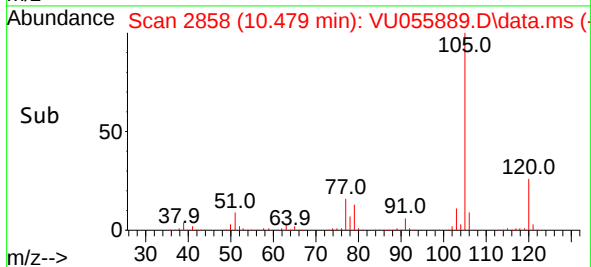
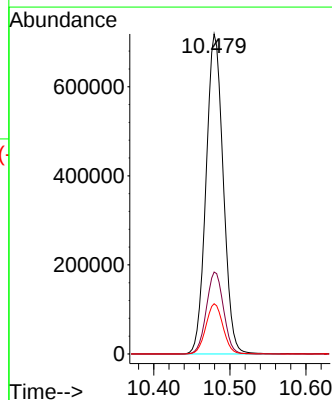
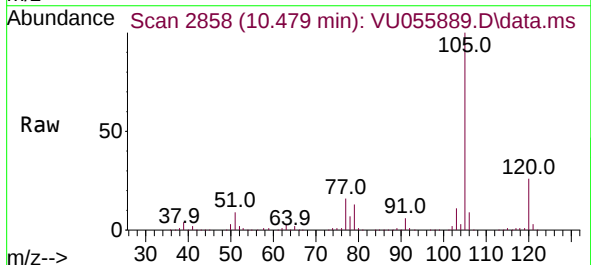
Instrument :
MSVOA_U
ClientSampleId :

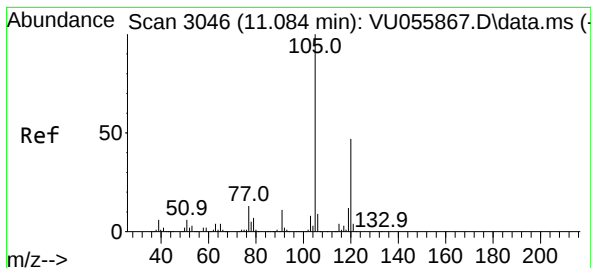
Tgt Ion: 75 Resp: 339554
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.8
110 38.1 28.5 42.7



#61
Isopropylbenzene
Concen: 54.590 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU055889.D
Acq: 25 Oct 2023 19:10

Tgt Ion: 105 Resp: 1126755
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 15.6 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 59.090 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

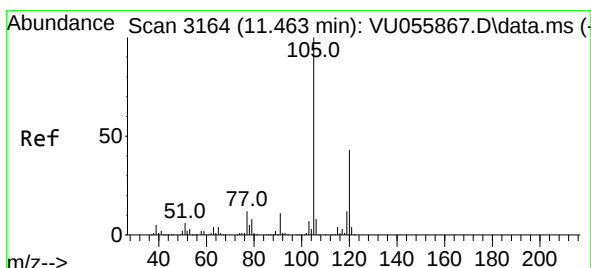
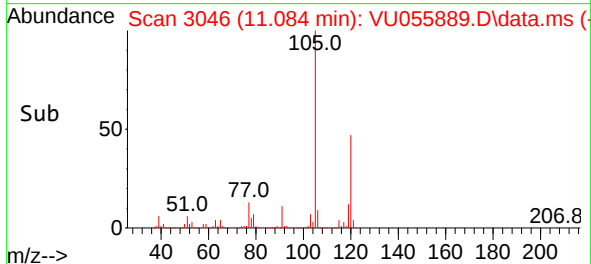
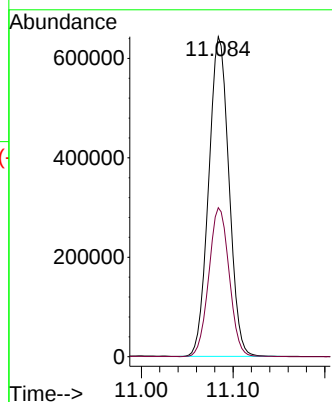
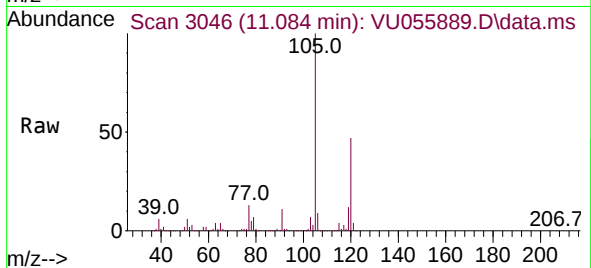
ClientSampleId :

Tgt Ion:105 Resp: 986878

Ion Ratio Lower Upper

105 100

120 46.8 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 60.087 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU055889.D

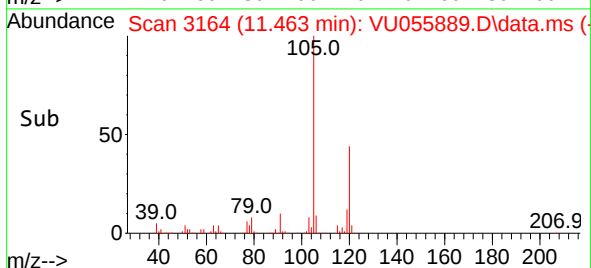
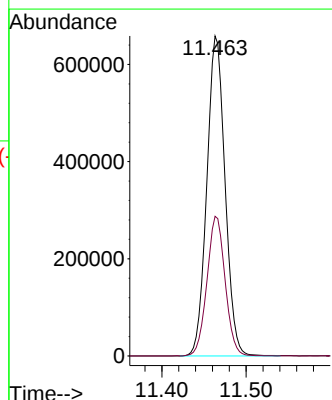
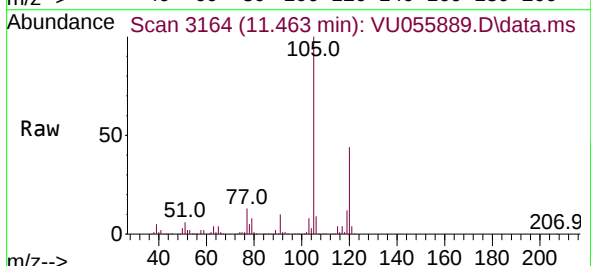
Acq: 25 Oct 2023 19:10

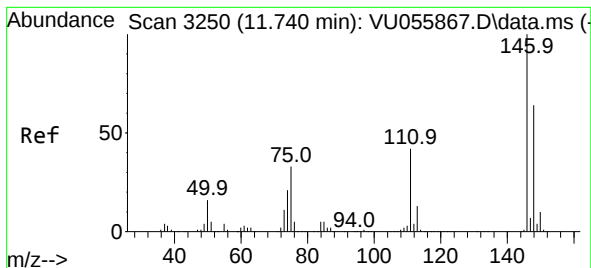
Tgt Ion:105 Resp: 992312

Ion Ratio Lower Upper

105 100

120 43.5 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 52.404 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

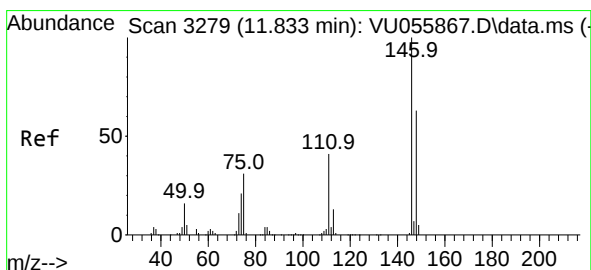
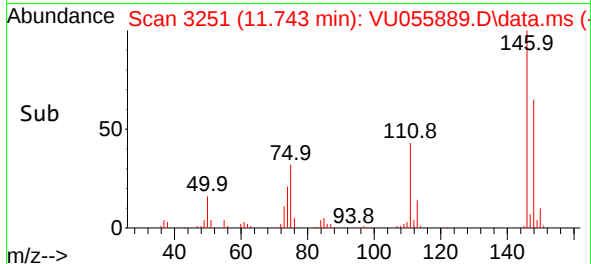
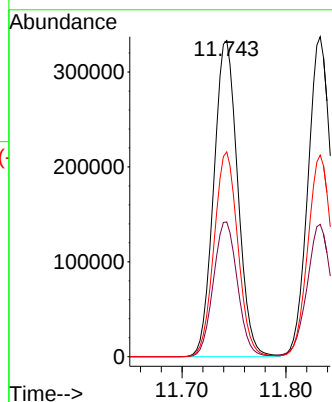
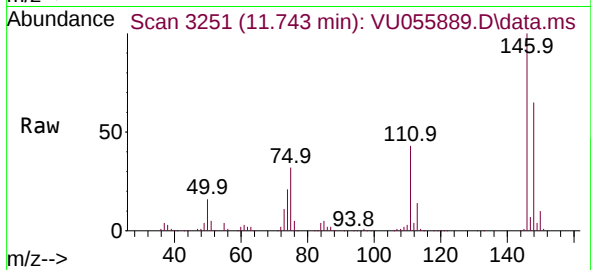
Tgt Ion:146 Resp: 534693

Ion Ratio Lower Upper

146 100

111 42.6 29.7 55.1

148 64.8 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 51.194 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

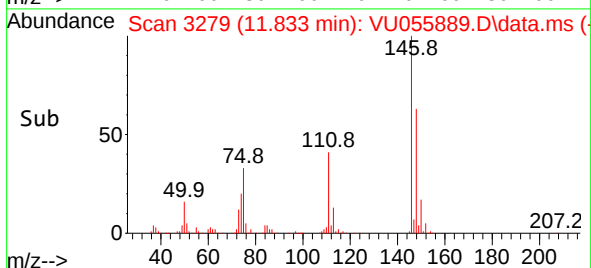
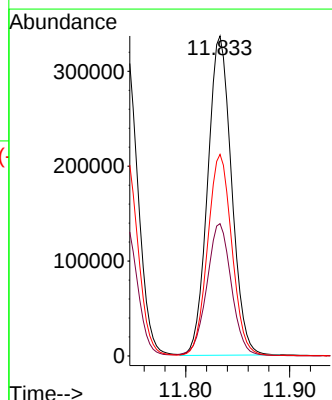
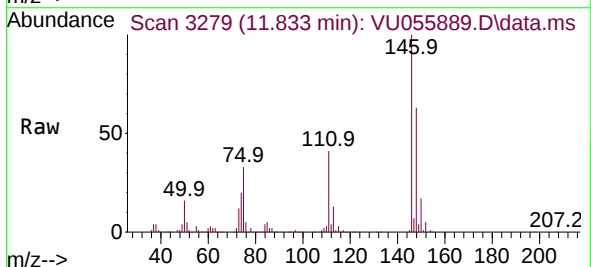
Tgt Ion:146 Resp: 537042

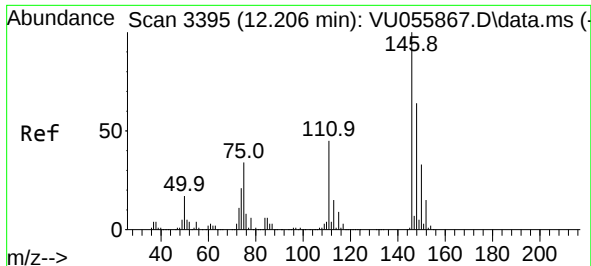
Ion Ratio Lower Upper

146 100

111 41.3 28.6 53.0

148 63.0 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 53.241 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

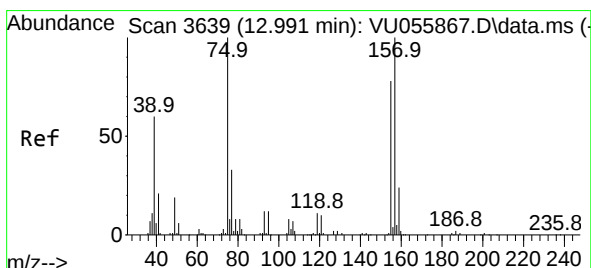
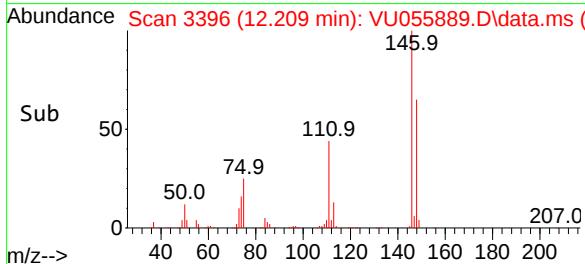
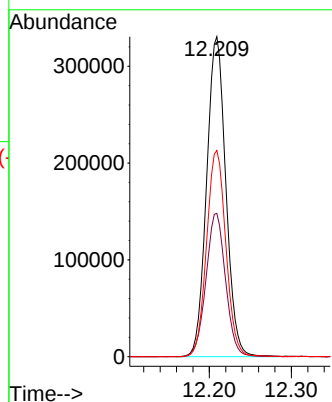
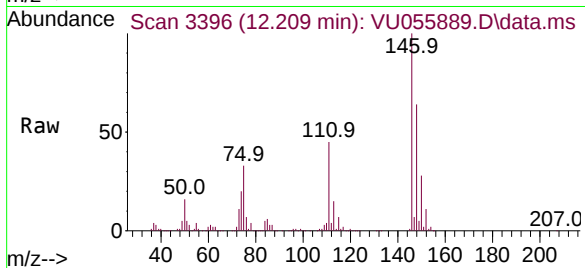
Tgt Ion:146 Resp: 539096

Ion Ratio Lower Upper

146 100

111 44.8 35.2 52.8

148 64.5 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 42.591 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

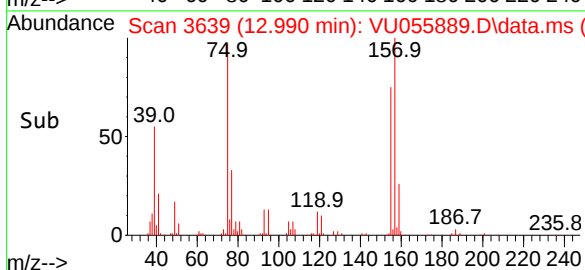
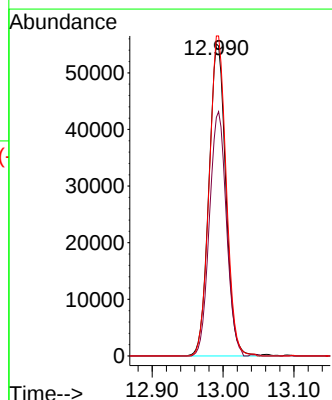
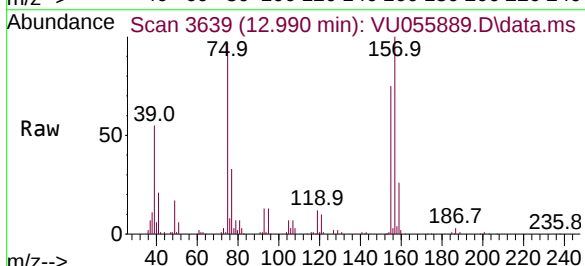
Tgt Ion: 75 Resp: 91494

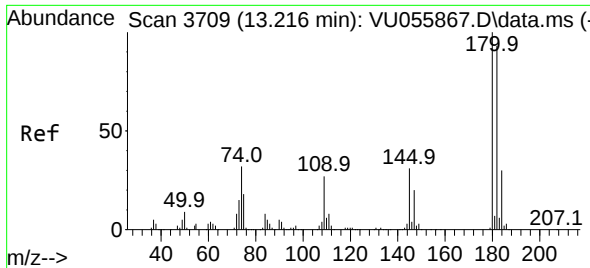
Ion Ratio Lower Upper

75 100

155 76.5 59.6 89.4

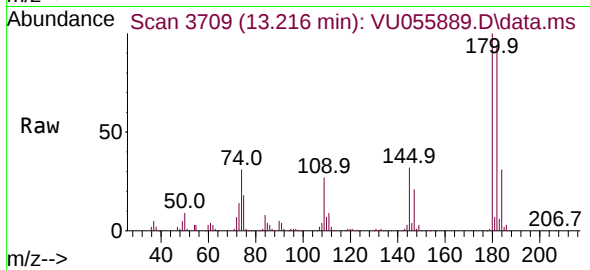
157 102.6 77.7 116.5



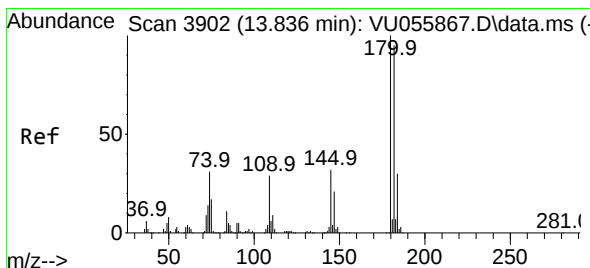
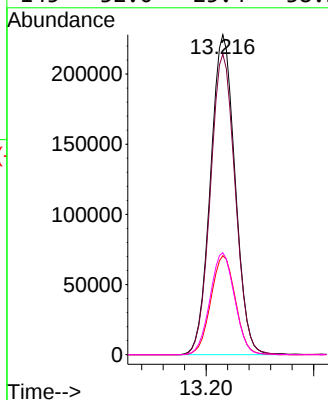
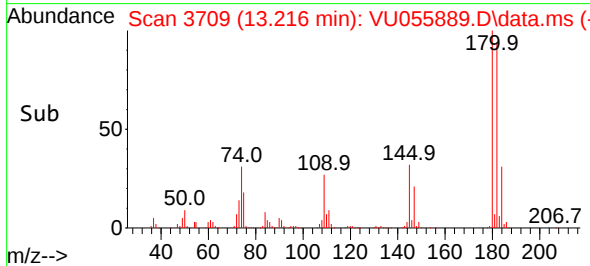


#69
 1,3,5-Trichlorobenzene
 Concen: 53.177 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU055889.D
 Acq: 25 Oct 2023 19:10

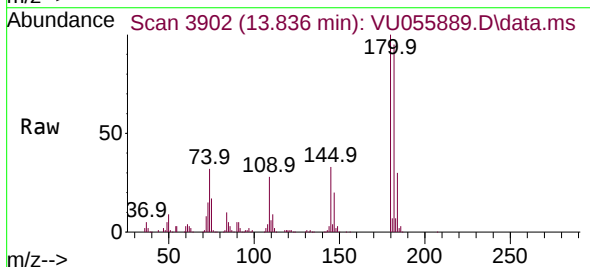
Instrument :
 MSVOA_U
 ClientSampleId :



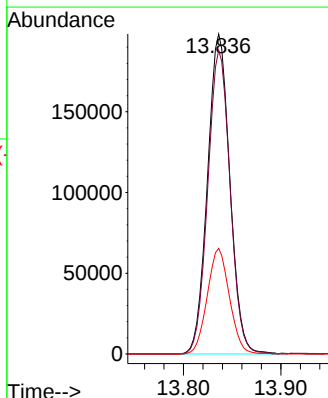
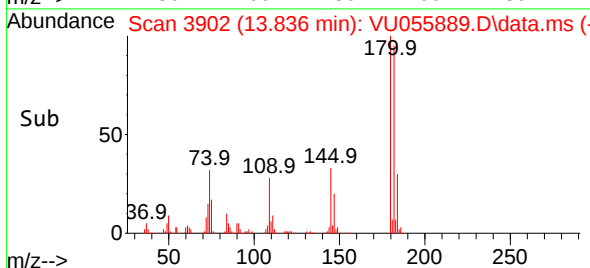
Tgt Ion:180 Resp: 361914
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.2 114.2
 184 30.9 23.9 35.9
 145 32.0 25.4 38.2

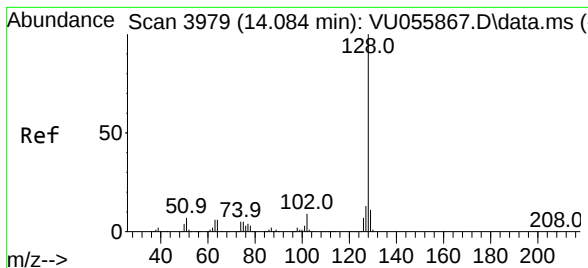


#70
 1,2,4-trichlorobenzene
 Concen: 55.816 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055889.D
 Acq: 25 Oct 2023 19:10



Tgt Ion:180 Resp: 316417
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.4 113.2
 145 32.7 26.1 39.1





#71

Naphthalene

Concen: 57.718 ug/L

RT: 14.080 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Instrument :

MSVOA_U

ClientSampleId :

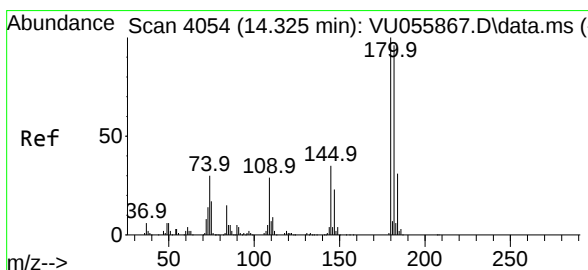
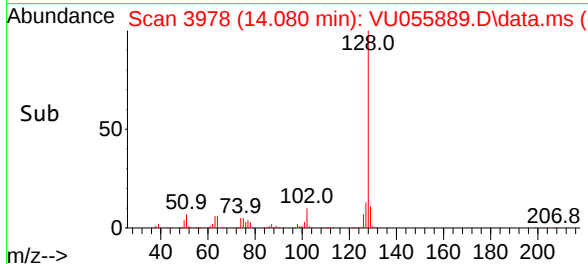
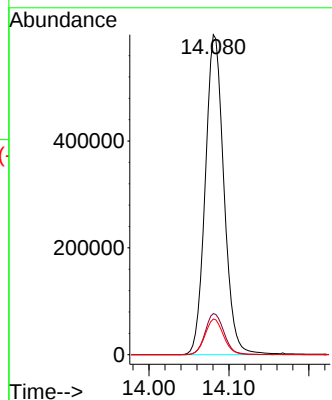
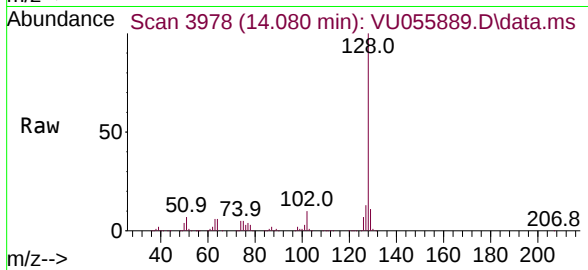
Tgt Ion:128 Resp: 971950

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 55.228 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU055889.D

Acq: 25 Oct 2023 19:10

Tgt Ion:180 Resp: 308683

Ion Ratio Lower Upper

180 100

182 95.5 78.1 117.1

145 34.4 27.4 41.0

