

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055888.D
 Acq On : 25 Oct 2023 18:46
 Operator : MD/SY
 Sample : 04952-08MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 01:56:08 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	578326	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	580404	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	321577	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	239336	46.138	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.280%		
7) Chloroethane-d5	1.898	69	197456	46.567	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.140%		
11) 1,1-Dichloroethene-d2	2.563	63	420661	45.480	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.960%		
21) 2-Butanone-d5	4.612	46	283804	73.835	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	73.840%		
24) Chloroform-d	5.059	84	452782	45.530	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.060%		
26) 1,2-Dichloroethane-d4	5.695	65	274253	44.805	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.600%		
32) Benzene-d6	5.721	84	913486	49.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.380%		
36) 1,2-Dichloropropane-d6	6.685	67	281962	47.961	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.920%		
41) Toluene-d8	7.894	98	847913	50.566	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.140%		
43) trans-1,3-Dichloroprop...	8.174	79	135420	47.952	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.900%		
47) 2-Hexanone-d5	8.631	63	253113	109.517	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	109.520%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	441236	48.760	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.520%		
66) 1,2-Dichlorobenzene-d4	12.190	152	338160	52.991	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	196304	40.766	ug/L	100
3) Chloromethane	1.518	50	213759	46.913	ug/L	99
5) Vinyl chloride	1.605	62	222126	44.298	ug/L	97
6) Bromomethane	1.834	94	109507	34.161	ug/L	96
8) Chloroethane	1.920	64	143909	43.753	ug/L	100
9) Trichlorofluoromethane	2.133	101	318292	44.427	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	204048	44.287	ug/L	98
12) 1,1-Dichloroethene	2.576	96	185796	45.316	ug/L	93
13) Acetone	2.618	43	166433	46.660	ug/L	96
14) Carbon disulfide	2.789	76	500402	40.106	ug/L	99
15) Methyl Acetate	2.940	43	202855	37.135	ug/L	97
16) Methylene chloride	3.039	84	234213	47.106	ug/L	93
17) trans-1,2-Dichloroethene	3.348	96	195678	46.674	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	684091	50.737	ug/L	97
19) 1,1-Dichloroethane	3.862	63	396874	46.161	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	236480	49.422	ug/L	95
22) 2-Butanone	4.692	43	273268	63.561	ug/L	97
23) Bromochloromethane	4.968	128	119237	48.117	ug/L	94
25) Chloroform	5.081	83	418370	46.582	ug/L	100

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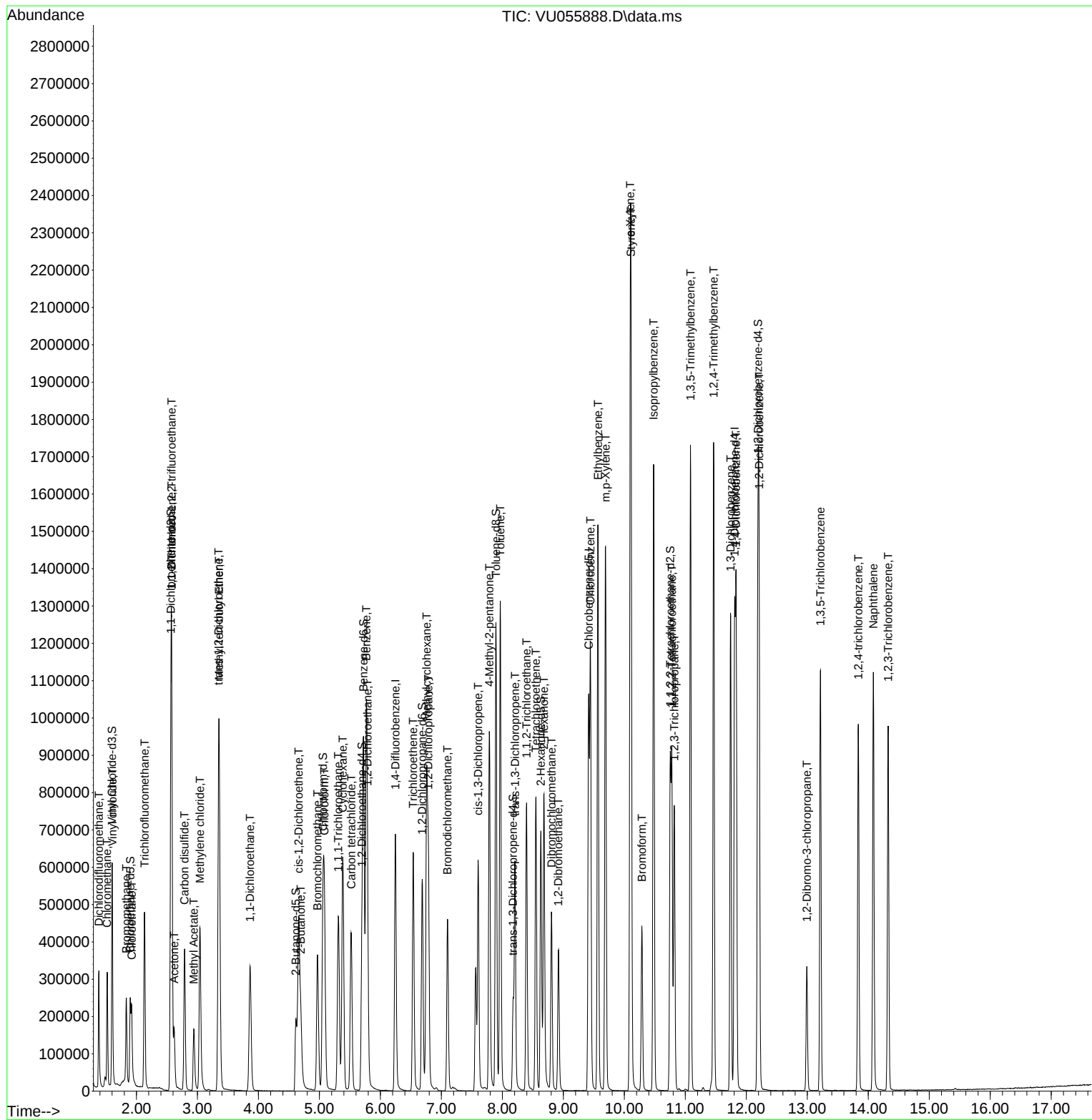
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	321510	44.757	ug/L	99
29) Cyclohexane	5.383	56	330440	49.670	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	356544	47.548	ug/L	97
31) Carbon tetrachloride	5.522	117	302985	46.162	ug/L	98
33) Benzene	5.769	78	889385	48.476	ug/L	100
34) Trichloroethene	6.538	95	227338	45.286	ug/L	96
35) Methylcyclohexane	6.759	83	345548	47.442	ug/L	99
37) 1,2-Dichloropropane	6.785	63	235224	46.559	ug/L #	97
38) Bromodichloromethane	7.100	83	310244	46.566	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	381011	49.571	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	627935	89.342	ug/L	97
42) Toluene	7.965	91	960971	49.638	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	354837	48.250	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	241560	48.490	ug/L	99
46) Tetrachloroethene	8.550	164	175420	48.806	ug/L	99
48) 2-Hexanone	8.682	43	488671	82.314	ug/L	95
49) Dibromochloromethane	8.804	129	249131	48.944	ug/L	99
50) 1,2-Dibromoethane	8.917	107	255240	47.702	ug/L	99
51) Chlorobenzene	9.444	112	632654	50.509	ug/L	100
52) Ethylbenzene	9.566	91	1081218	51.085	ug/L	98
53) m,p-Xylene	9.692	106	416717	52.554	ug/L	99
54) o-Xylene	10.097	106	420728	54.831	ug/L	97
55) Styrene	10.110	104	733754	56.448	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.779	83	439133	51.481	ug/L	98
59) Bromoform	10.287	173	199964	50.513	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	336154	48.165	ug/L	99
61) Isopropylbenzene	10.480	105	1099013	54.820	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	957612	59.033	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	960482	59.879	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	519466	52.417	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	517472	50.787	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	524911	53.373	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	88345	42.341	ug/L	89
69) 1,3,5-Trichlorobenzene	13.216	180	347568	52.579	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	293828	53.364	ug/L	99
71) Naphthalene	14.084	128	909775	55.623	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	294880	54.319	ug/L	98

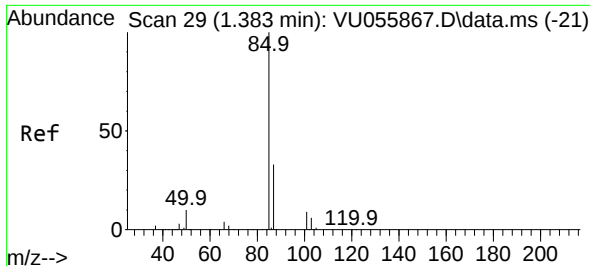
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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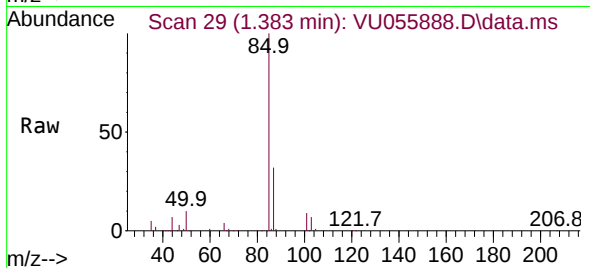
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QLast Update : Thu Oct 26 01:50:39 2023
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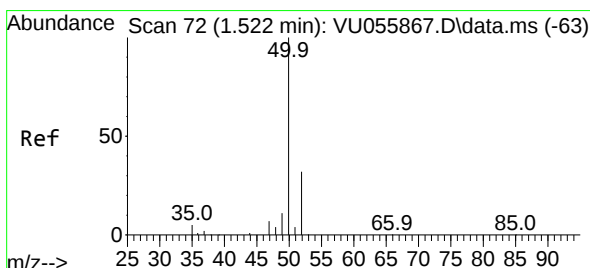
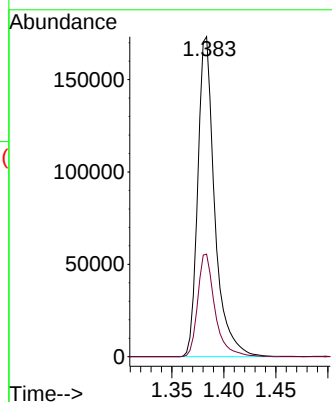
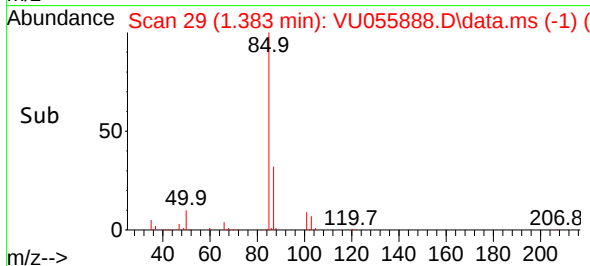


#2
 Dichlorodifluoromethane
 Concen: 40.766 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055888.D
 Acq: 25 Oct 2023 18:46

Instrument :
 MSVOA_U
 ClientSampleId :

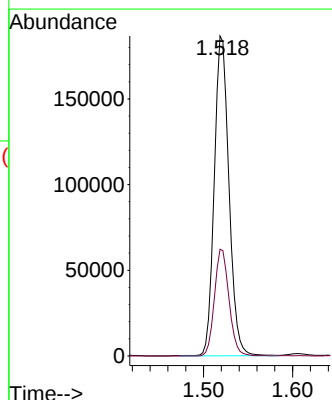
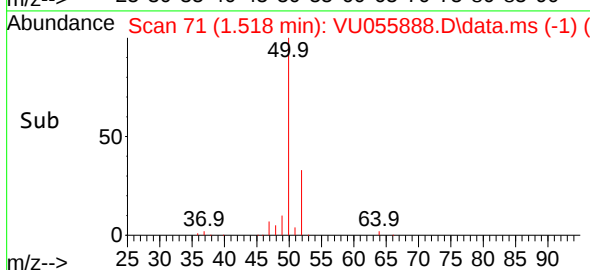
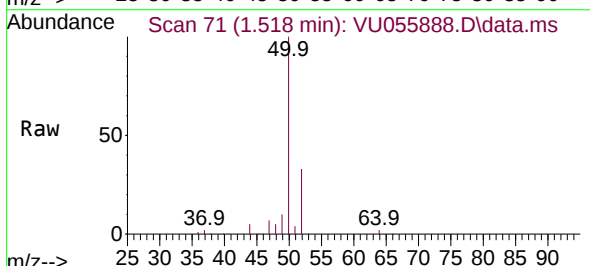


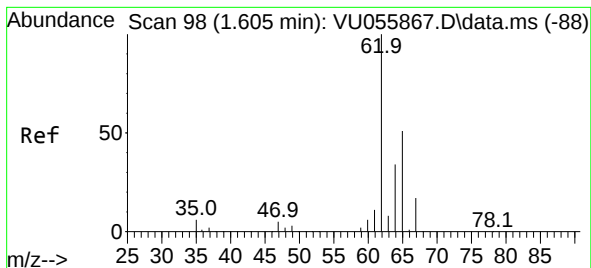
Tgt Ion: 85 Resp: 196304
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.0 39.0



#3
 Chloromethane
 Concen: 46.913 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU055888.D
 Acq: 25 Oct 2023 18:46

Tgt Ion: 50 Resp: 213759
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.8 42.4





#5

Vinyl chloride

Concen: 44.298 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

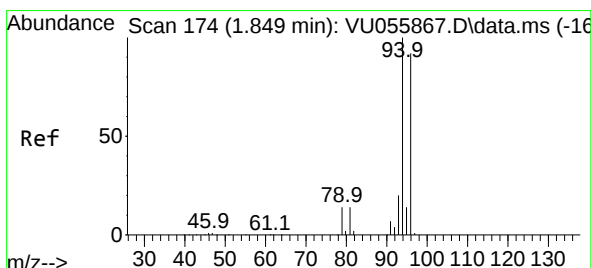
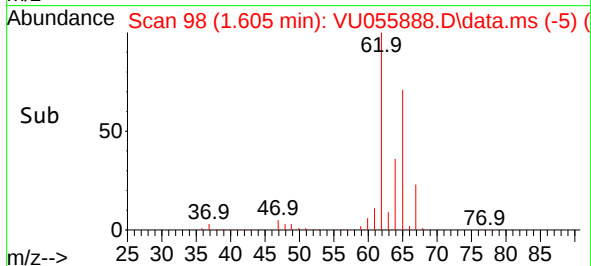
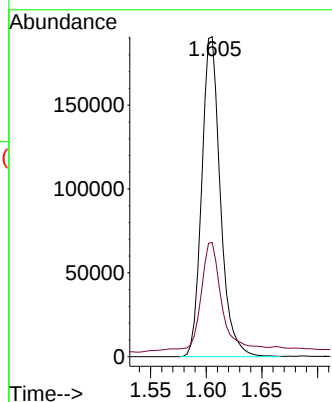
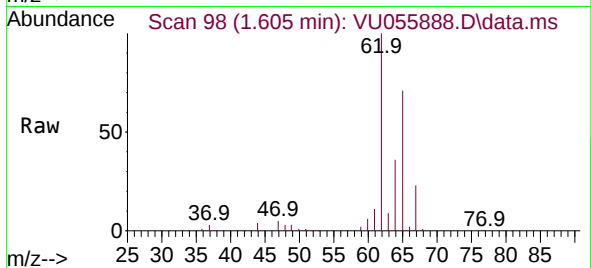
ClientSampleId :

Tgt Ion: 62 Resp: 222126

Ion Ratio Lower Upper

62 100

64 35.7 23.9 44.5



#6

Bromomethane

Concen: 34.161 ug/L

RT: 1.834 min Scan# 169

Delta R.T. -0.016 min

Lab File: VU055888.D

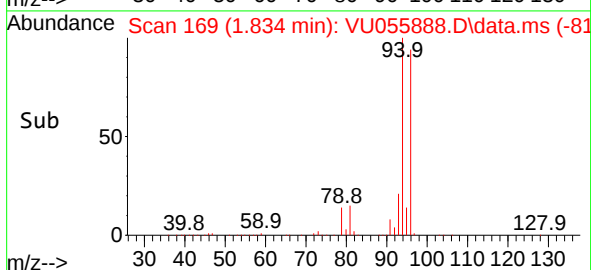
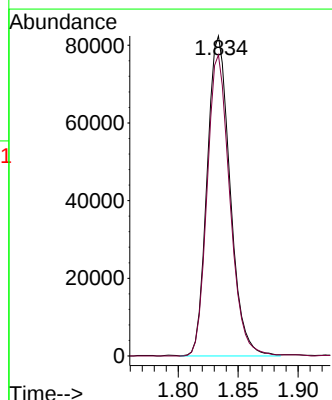
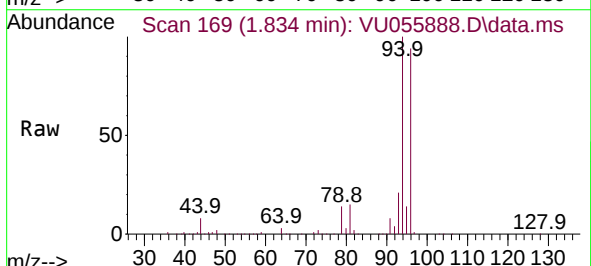
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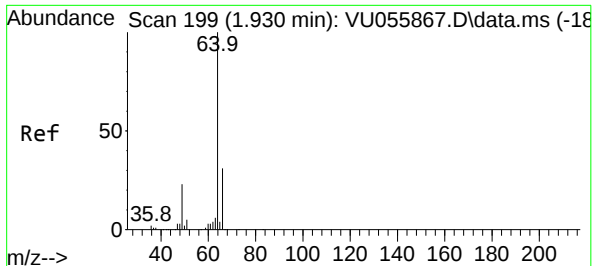
Tgt Ion: 94 Resp: 109507

Ion Ratio Lower Upper

94 100

96 94.1 63.5 117.9

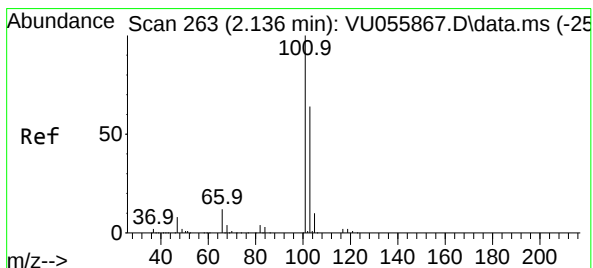
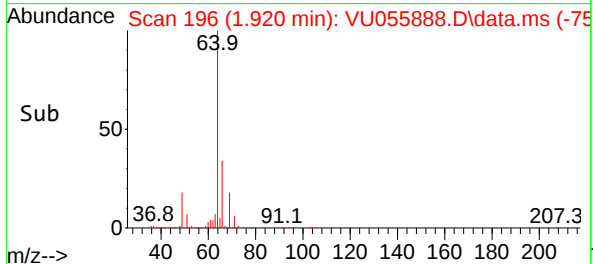
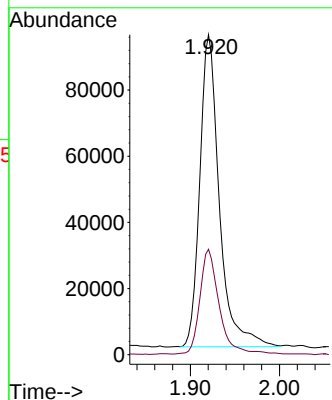
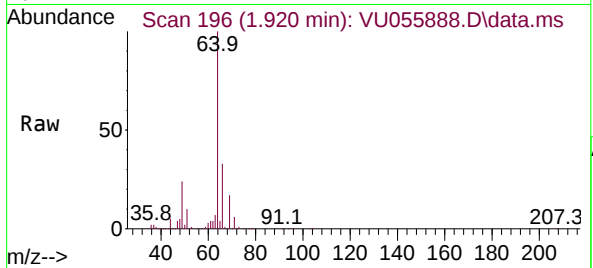




#8
Chloroethane
Concen: 43.753 ug/L
RT: 1.920 min Scan# 199
Delta R.T. -0.010 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

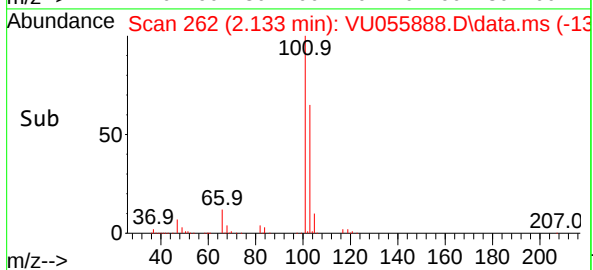
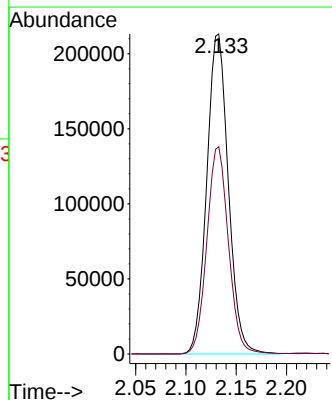
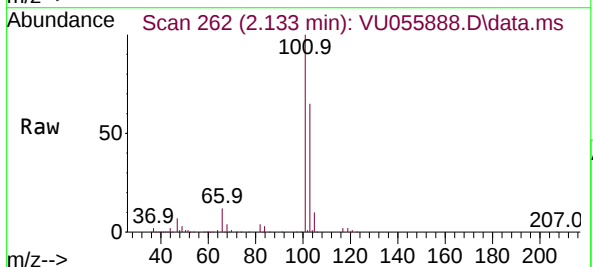
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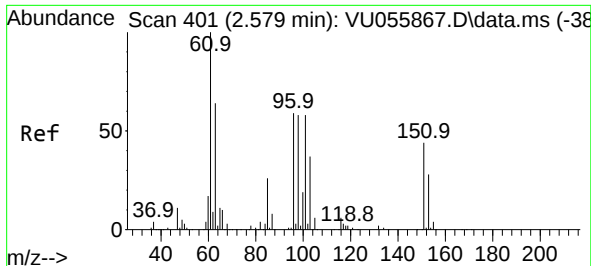
Tgt Ion: 64 Resp: 143909
Ion Ratio Lower Upper
64 100
66 33.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 44.427 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion:101 Resp: 318292
Ion Ratio Lower Upper
101 100
103 64.7 51.3 76.9

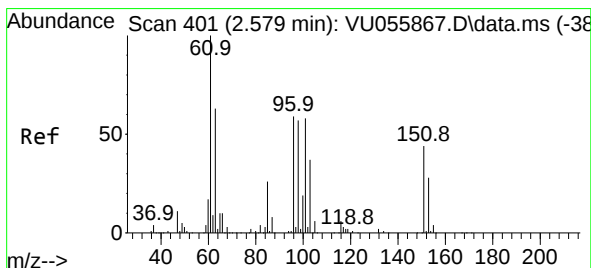
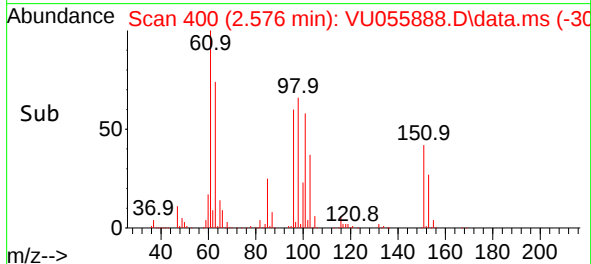
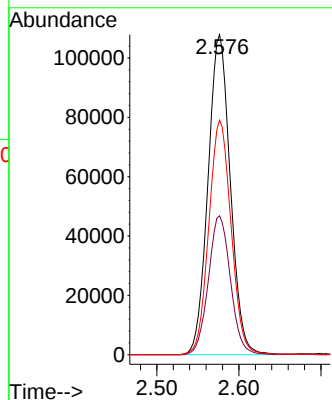
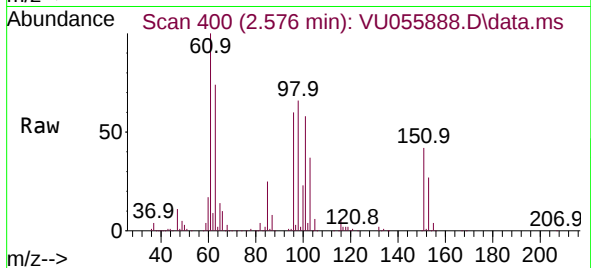




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.287 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

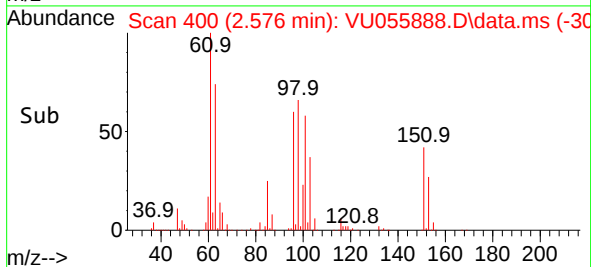
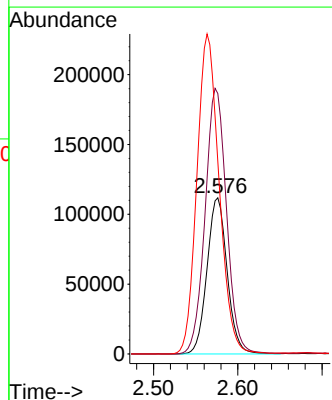
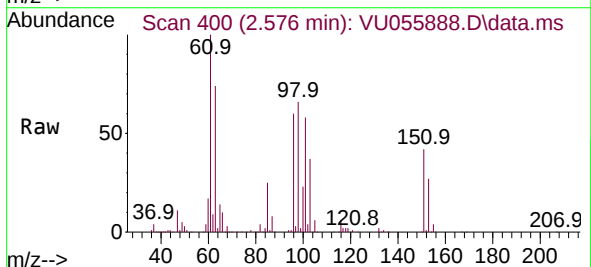
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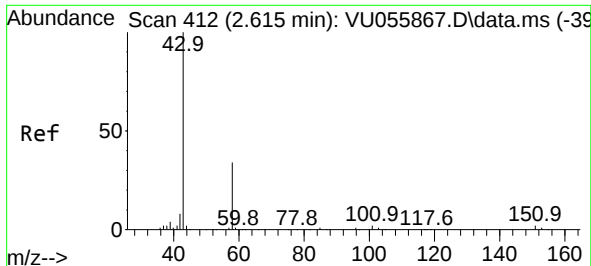
Tgt Ion:101 Resp: 204048
Ion Ratio Lower Upper
101 100
85 42.9 37.1 55.7
151 73.2 58.2 87.4



#12
1,1-Dichloroethene
Concen: 45.316 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion: 96 Resp: 185796
Ion Ratio Lower Upper
96 100
61 166.8 122.0 226.6
63 123.5 93.7 174.1





#13

Acetone

Concen: 46.660 ug/L

RT: 2.618 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

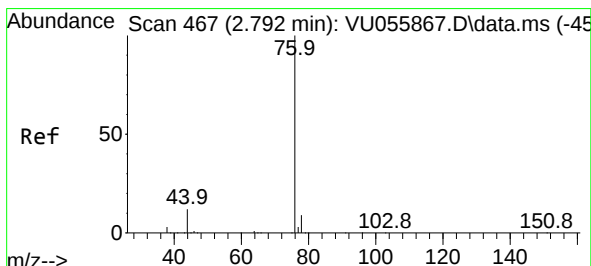
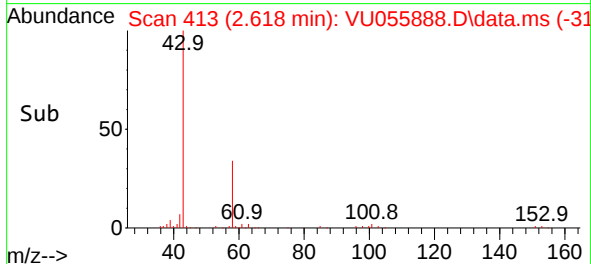
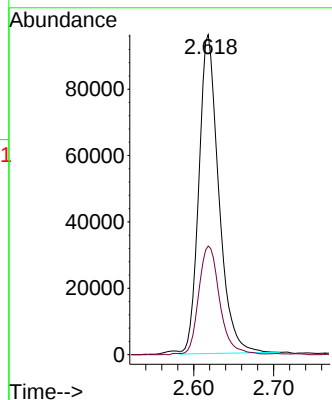
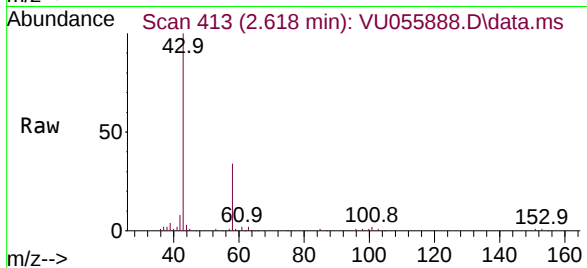
ClientSampleId :

Tgt Ion: 43 Resp: 166433

Ion Ratio Lower Upper

43 100

58 36.0 0.0 67.4



#14

Carbon disulfide

Concen: 40.106 ug/L

RT: 2.789 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU055888.D

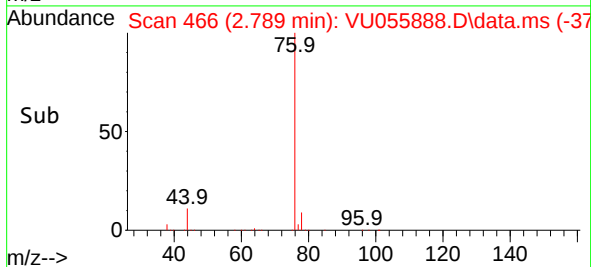
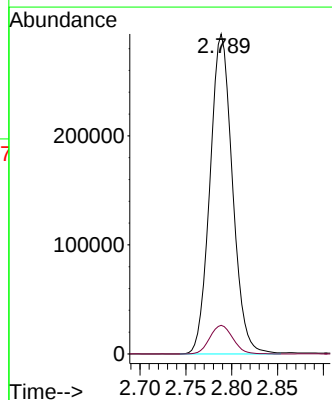
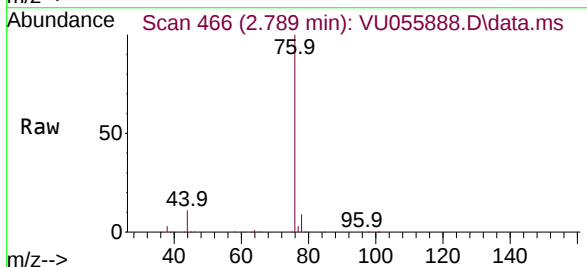
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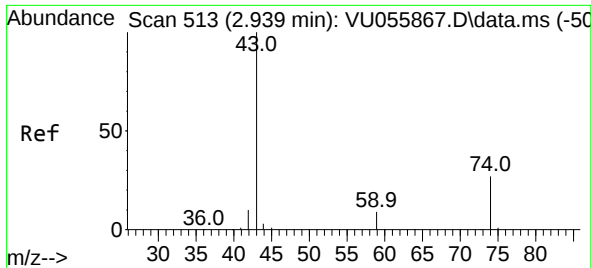
Tgt Ion: 76 Resp: 500402

Ion Ratio Lower Upper

76 100

78 8.9 6.8 10.2

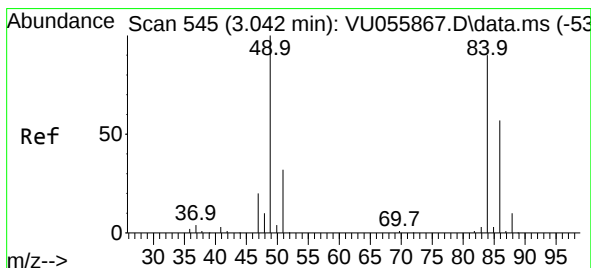
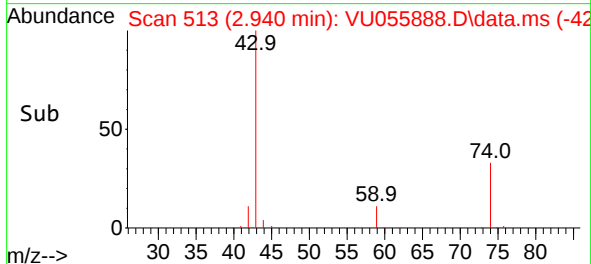
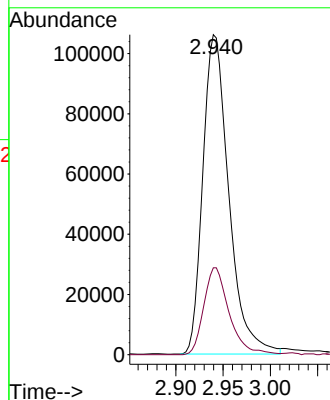
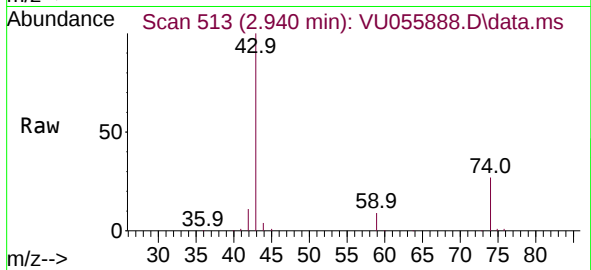




#15
Methyl Acetate
Concen: 37.135 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

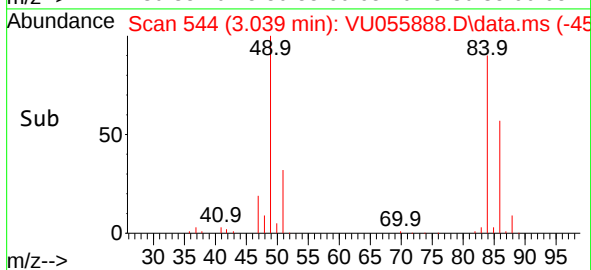
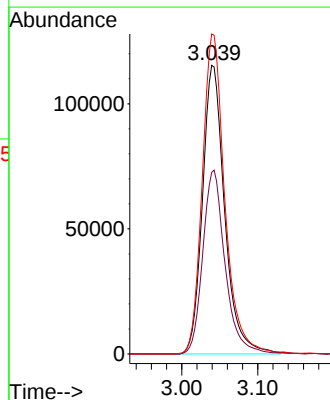
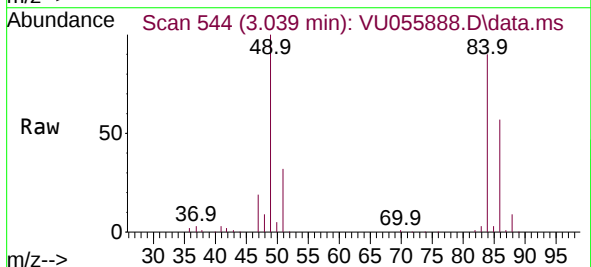
Instrument :
MSVOA_U
ClientSampleId :

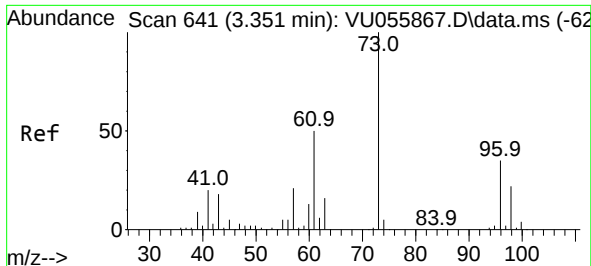
Tgt Ion: 43 Resp: 202855
Ion Ratio Lower Upper
43 100
74 25.9 19.5 29.3



#16
Methylene chloride
Concen: 47.106 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion: 84 Resp: 234213
Ion Ratio Lower Upper
84 100
86 62.9 46.3 86.1
49 110.8 84.8 157.6

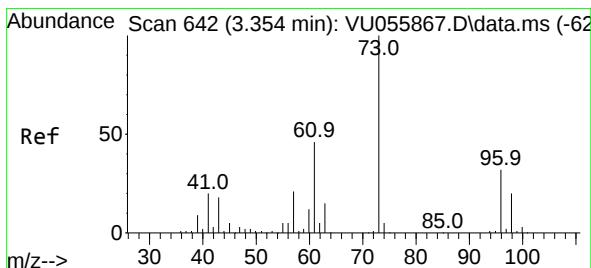
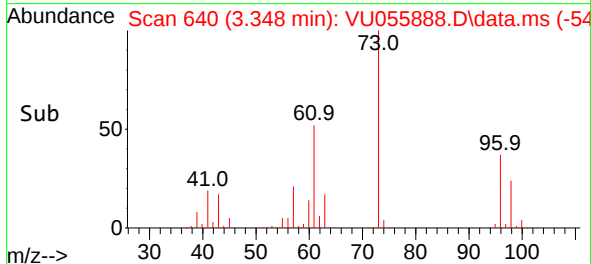
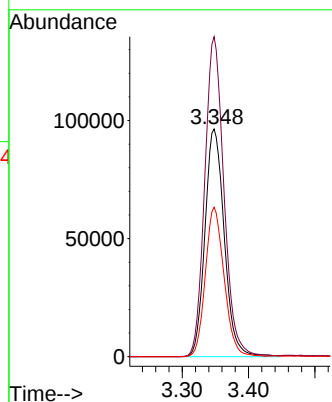
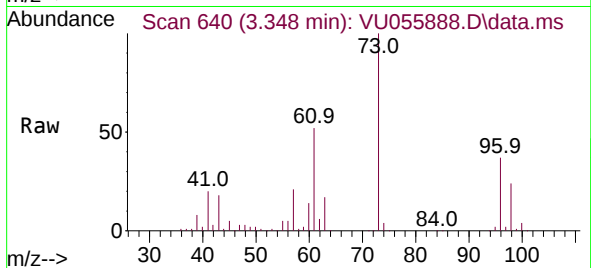




#17
trans-1,2-Dichloroethene
Concen: 46.674 ug/L
RT: 3.348 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

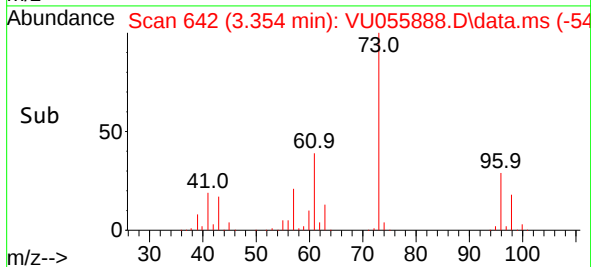
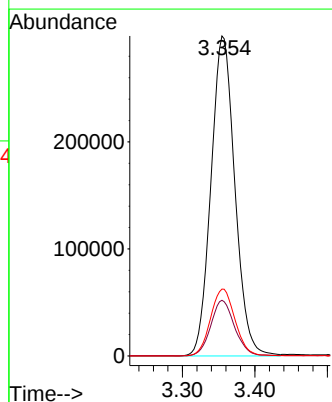
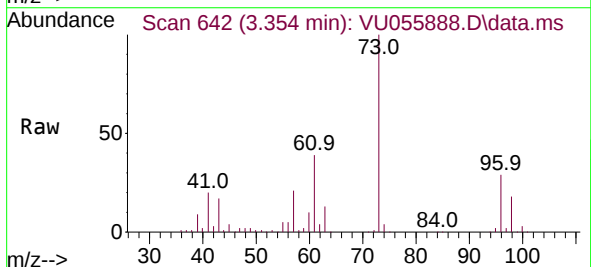
Instrument :
MSVOA_U
ClientSampleId :

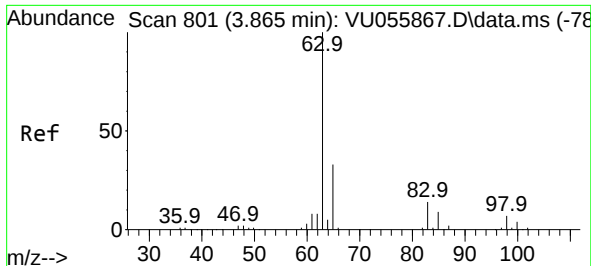
Tgt Ion: 96 Resp: 195678
Ion Ratio Lower Upper
96 100
61 140.5 102.1 189.7
98 65.6 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 50.737 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion: 73 Resp: 684091
Ion Ratio Lower Upper
73 100
43 17.2 15.4 23.2
57 21.6 17.7 26.5





#19

1,1-Dichloroethane

Concen: 46.161 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

ClientSampleId :

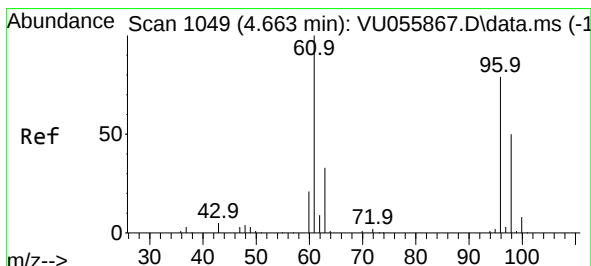
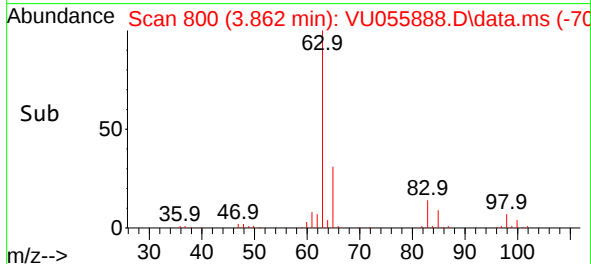
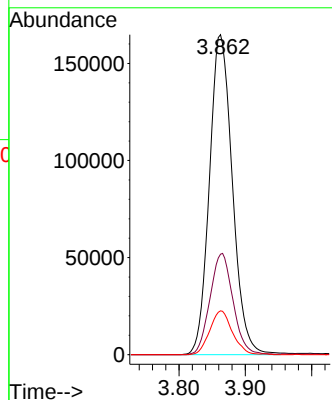
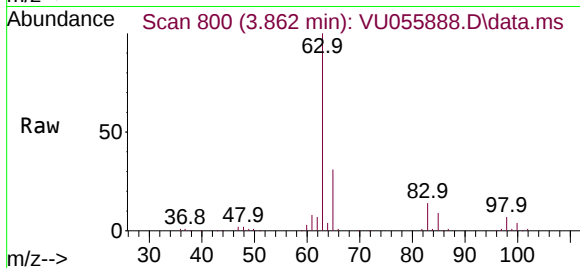
Tgt Ion: 63 Resp: 396874

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

83 13.7 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 49.422 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

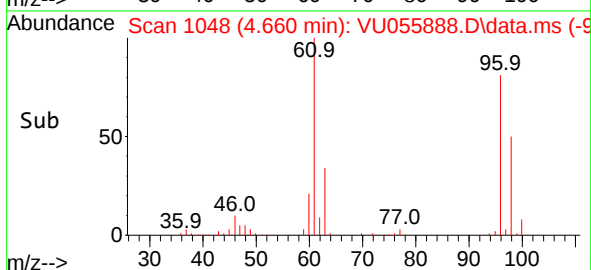
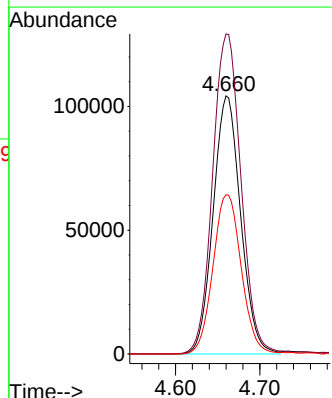
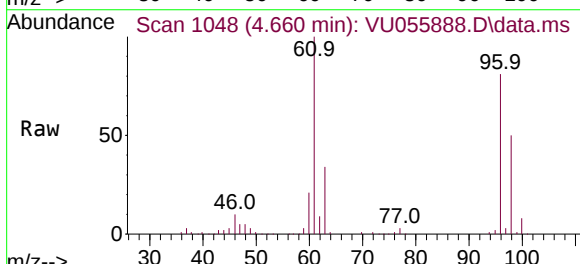
Tgt Ion: 96 Resp: 236480

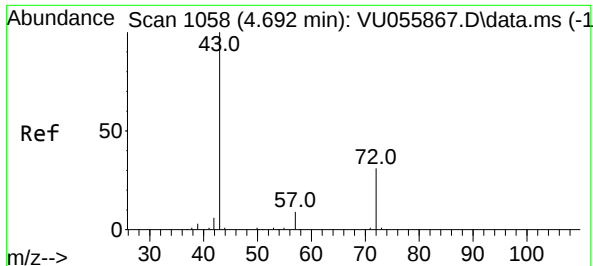
Ion Ratio Lower Upper

96 100

61 124.0 92.3 171.5

98 61.7 43.9 81.5





#22

2-Butanone

Concen: 63.561 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

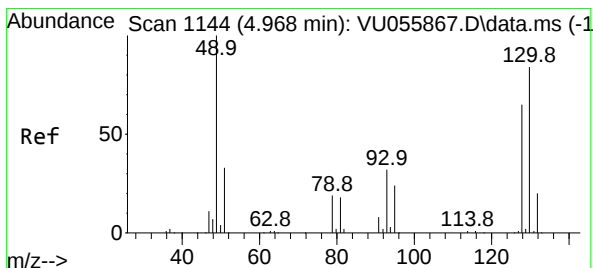
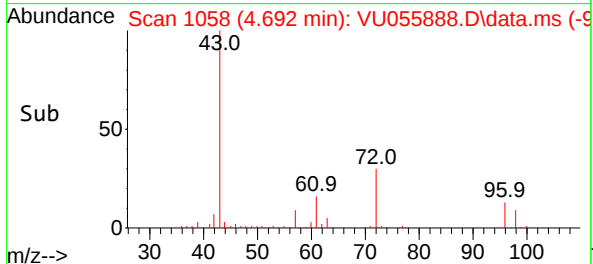
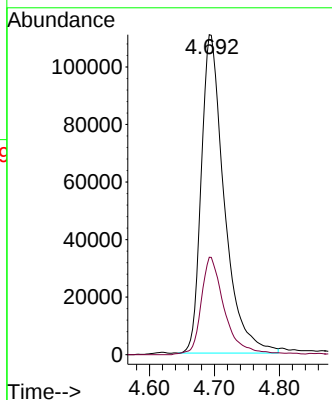
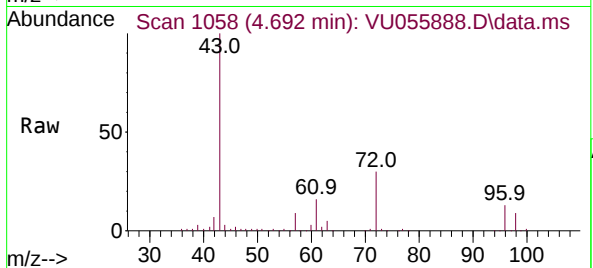
ClientSampleId :

Tgt Ion: 43 Resp: 273268

Ion Ratio Lower Upper

43 100

72 30.7 14.6 44.0



#23

Bromochloromethane

Concen: 48.117 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Tgt Ion:128 Resp: 119237

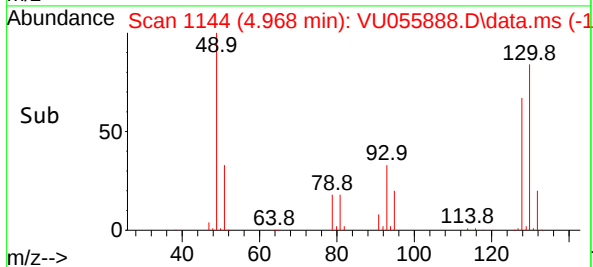
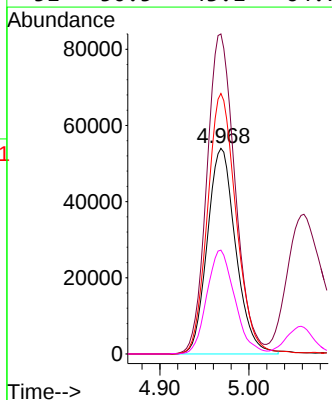
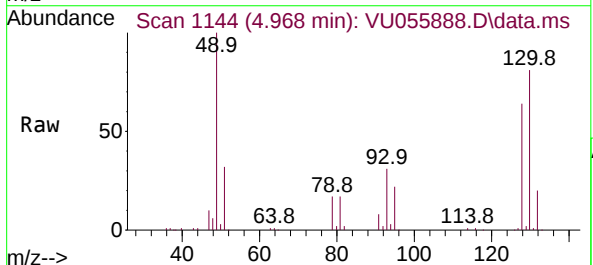
Ion Ratio Lower Upper

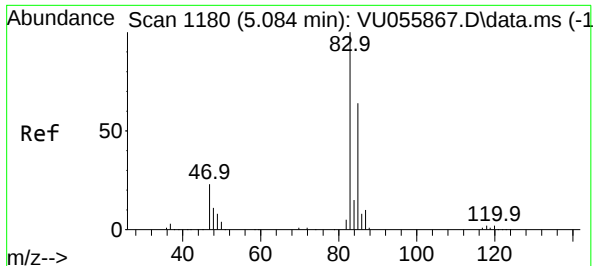
128 100

49 155.6 116.3 216.1

130 126.7 91.6 170.0

51 50.5 43.1 64.7





#25

Chloroform

Concen: 46.582 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

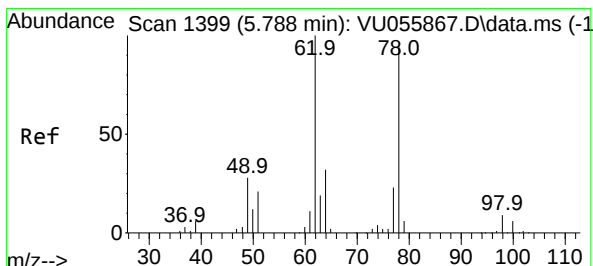
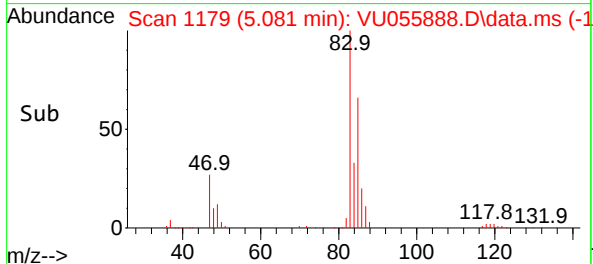
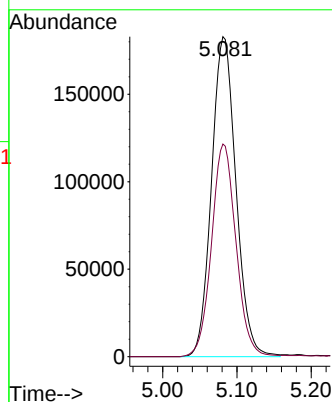
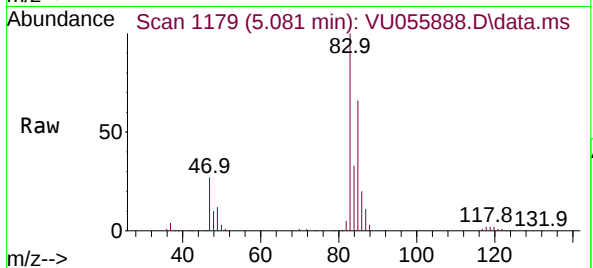
ClientSampleId :

Tgt Ion: 83 Resp: 418370

Ion Ratio Lower Upper

83 100

85 66.5 46.3 86.1



#27

1,2-Dichloroethane

Concen: 44.757 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU055888.D

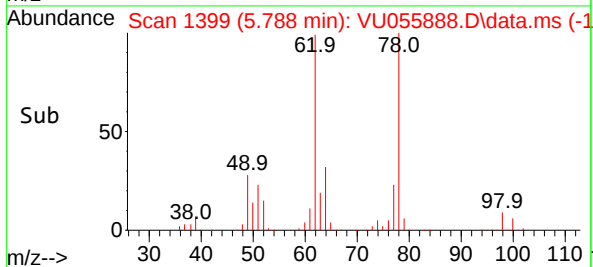
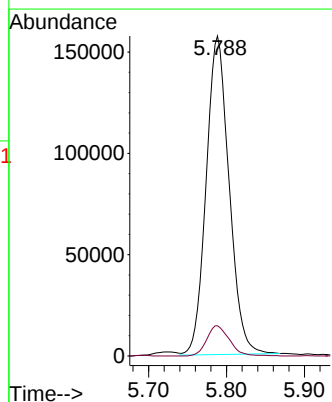
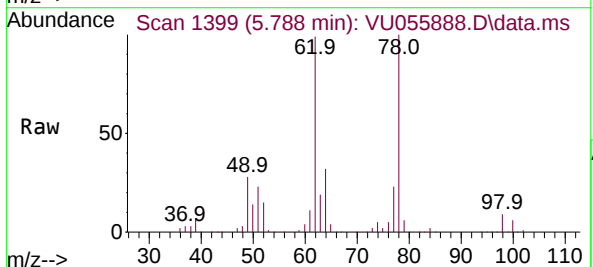
Acq: 25 Oct 2023 18:46

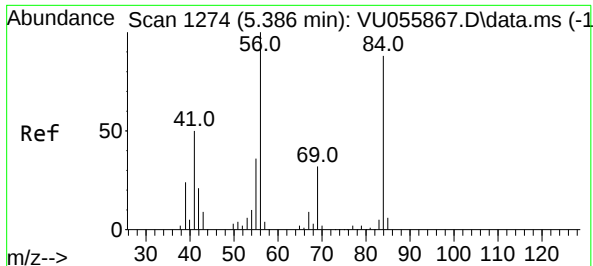
Tgt Ion: 62 Resp: 321510

Ion Ratio Lower Upper

62 100

98 9.5 7.2 10.8





#29

Cyclohexane

Concen: 49.670 ug/L

RT: 5.383 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

ClientSampleId :

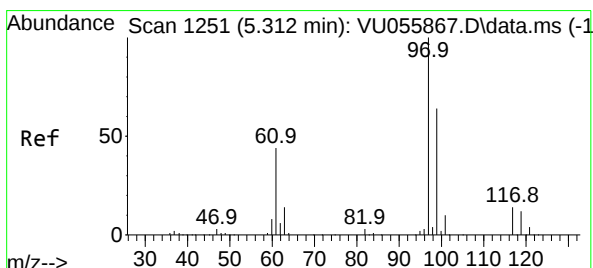
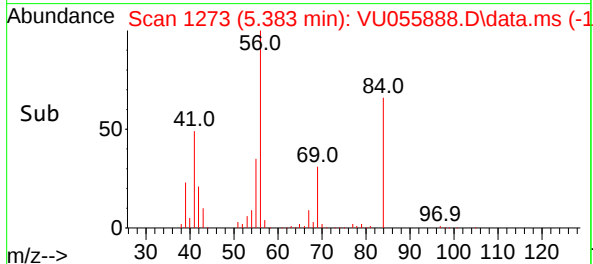
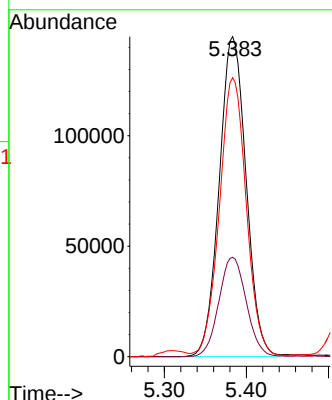
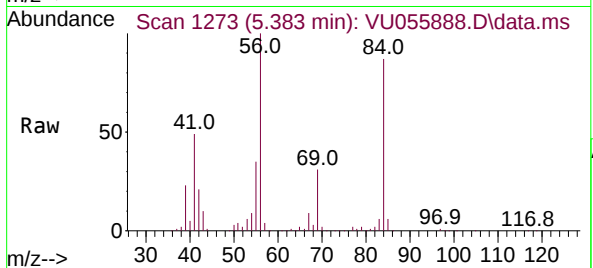
Tgt Ion: 56 Resp: 330440

Ion Ratio Lower Upper

56 100

69 31.8 24.9 37.3

84 87.4 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 47.548 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

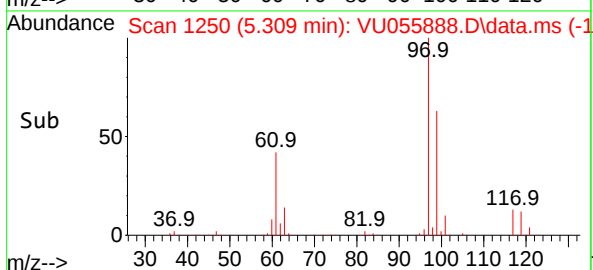
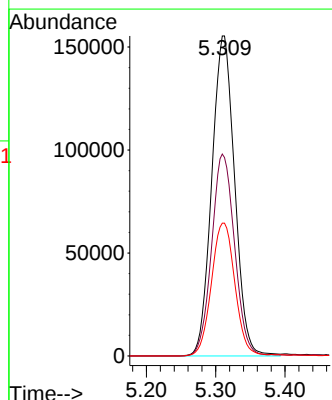
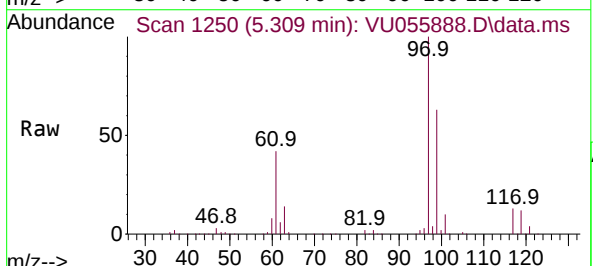
Tgt Ion: 97 Resp: 356544

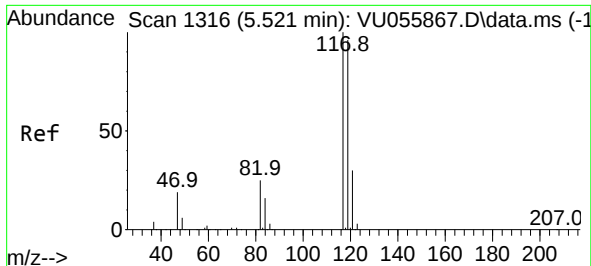
Ion Ratio Lower Upper

97 100

99 63.2 51.6 77.4

61 42.5 36.8 55.2

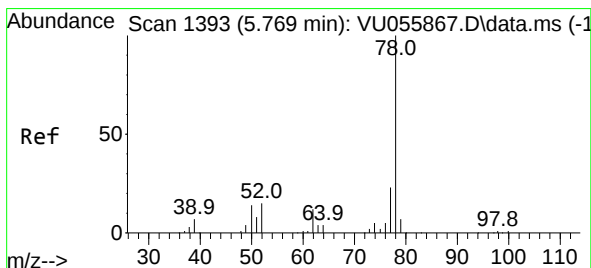
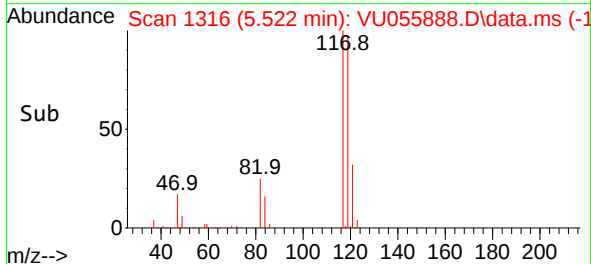
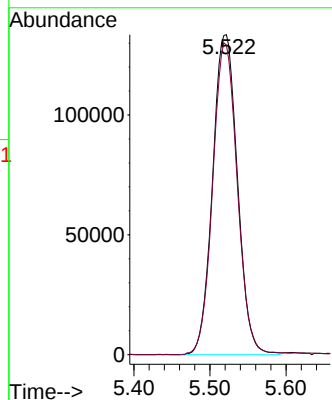
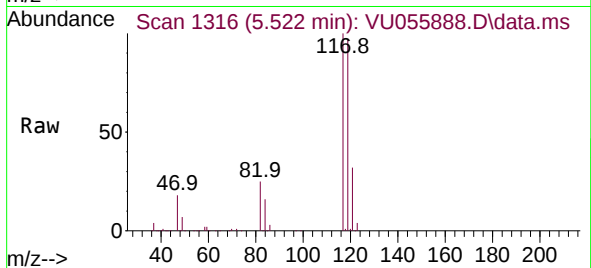




#31
Carbon tetrachloride
Concen: 46.162 ug/L
RT: 5.522 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

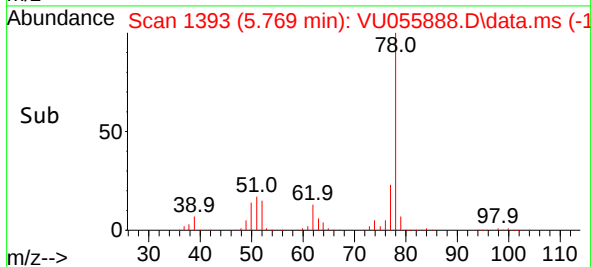
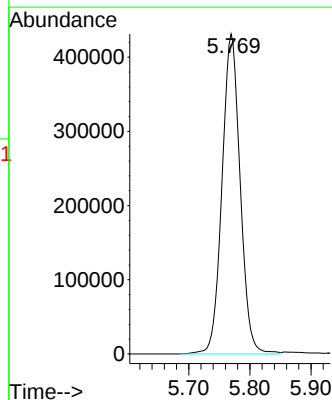
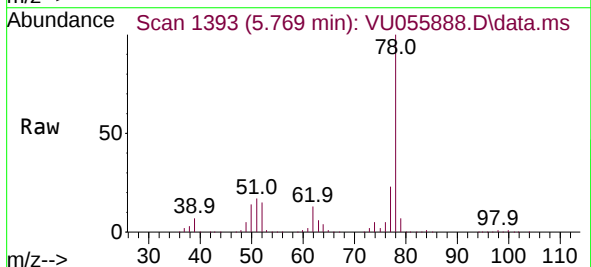
Instrument :
MSVOA_U
ClientSampleId :

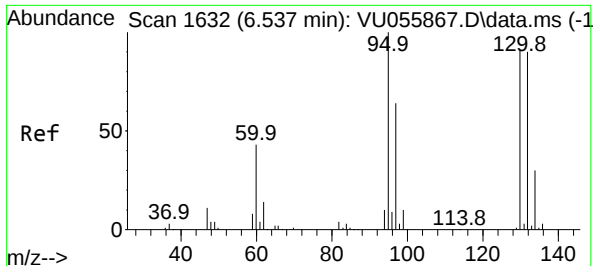
Tgt Ion:117 Resp: 302985
Ion Ratio Lower Upper
117 100
119 95.8 75.4 113.0



#33
Benzene
Concen: 48.476 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

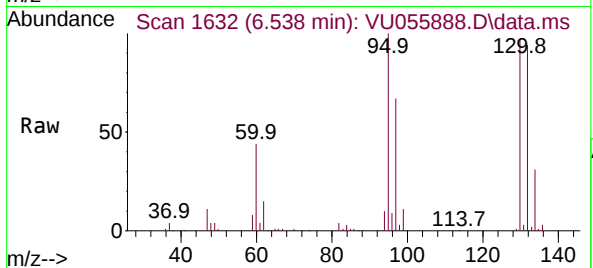
Tgt Ion: 78 Resp: 889385



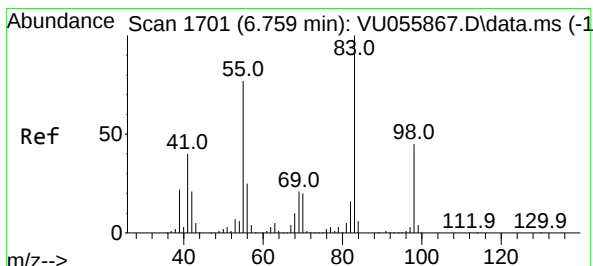
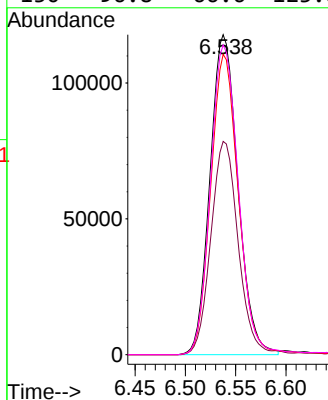
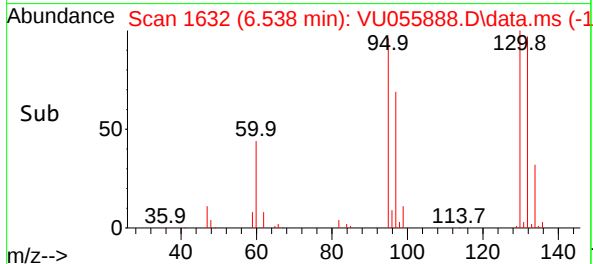


#34
Trichloroethene
Concen: 45.286 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

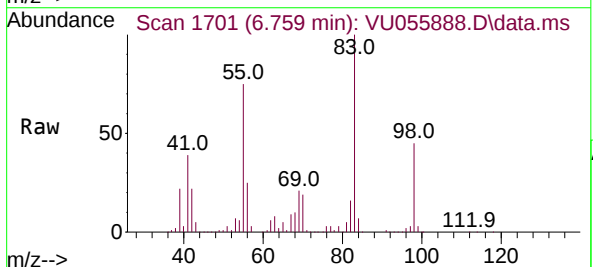
Instrument :
MSVOA_U
ClientSampleId :



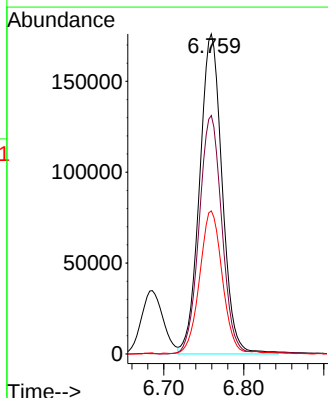
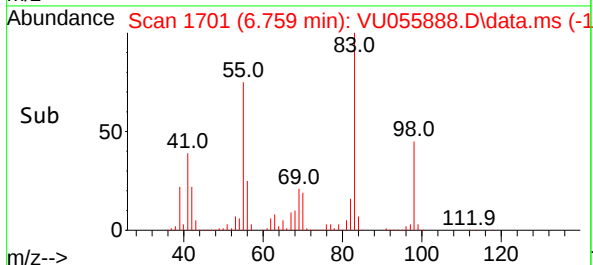
Tgt Ion: 95 Resp: 227338
Ion Ratio Lower Upper
95 100
97 66.7 44.4 82.5
132 93.9 61.8 114.8
130 96.8 66.6 123.8

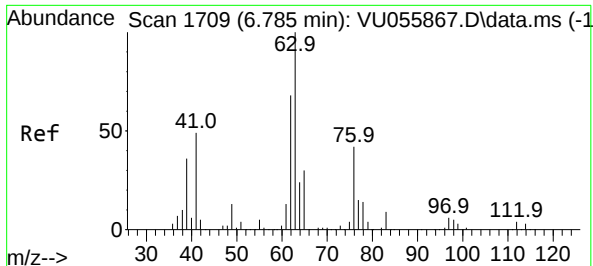


#35
Methylcyclohexane
Concen: 47.442 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46



Tgt Ion: 83 Resp: 345548
Ion Ratio Lower Upper
83 100
55 74.8 61.2 91.8
98 44.5 35.8 53.6

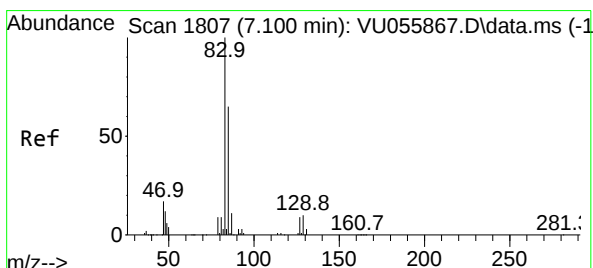
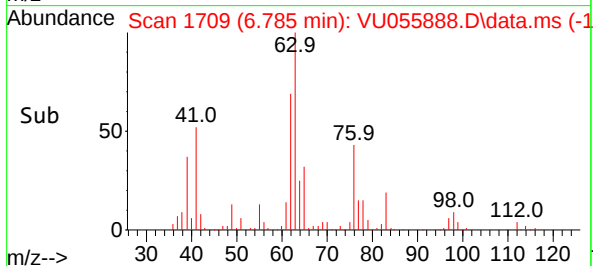
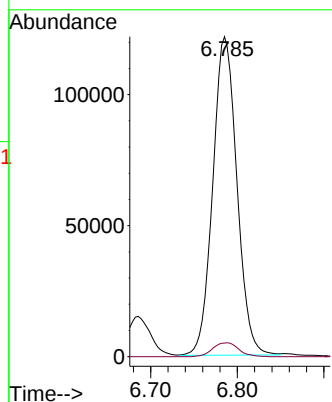
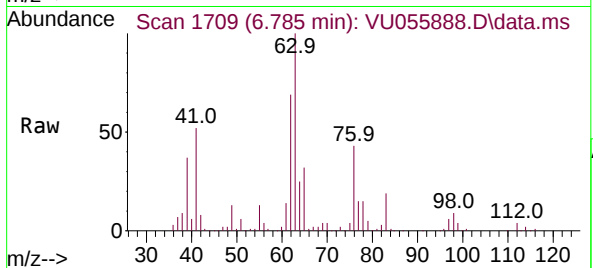




#37
1,2-Dichloropropane
Concen: 46.559 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

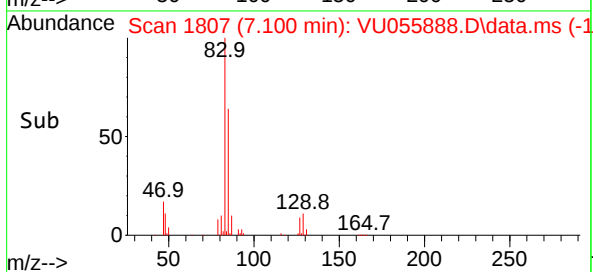
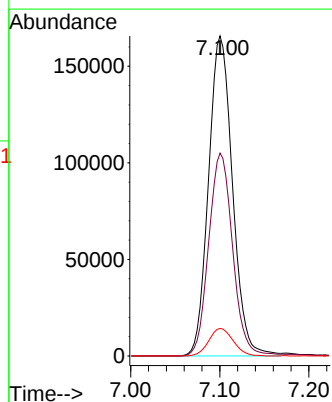
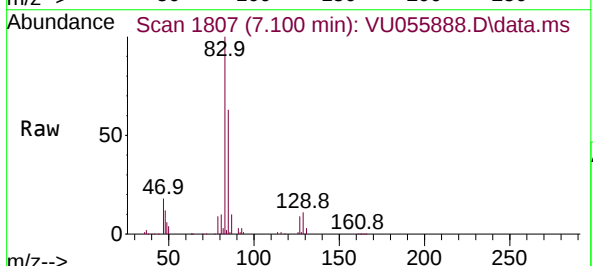
Instrument :
MSVOA_U
ClientSampleId :

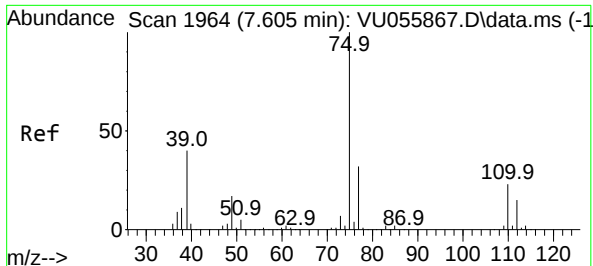
Tgt Ion: 63 Resp: 235224
Ion Ratio Lower Upper
63 100
112 4.7 3.0 4.4#



#38
Bromodichloromethane
Concen: 46.566 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion: 83 Resp: 310244
Ion Ratio Lower Upper
83 100
85 63.4 46.0 85.4
127 8.6 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 49.571 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

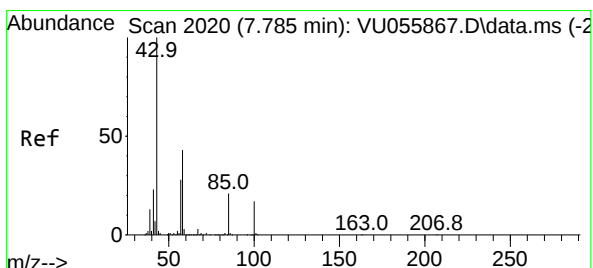
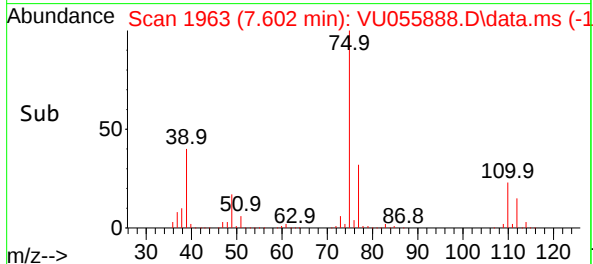
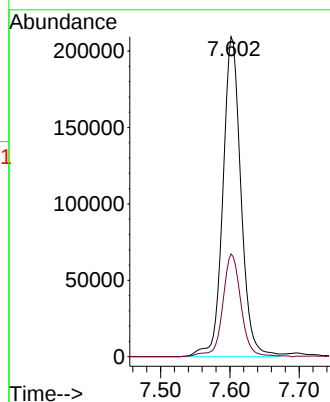
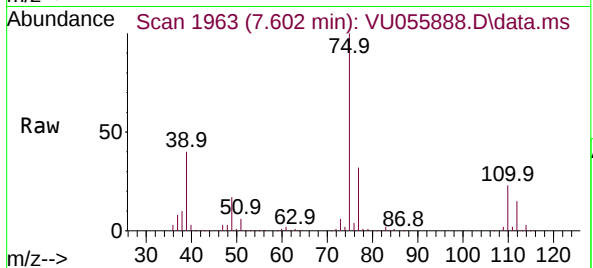
ClientSampleId :

Tgt Ion: 75 Resp: 381011

Ion Ratio Lower Upper

75 100

77 32.1 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 89.342 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

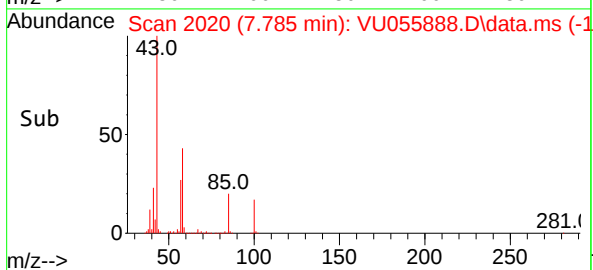
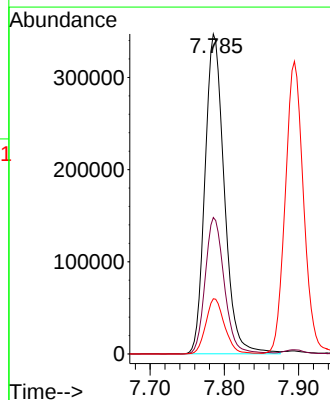
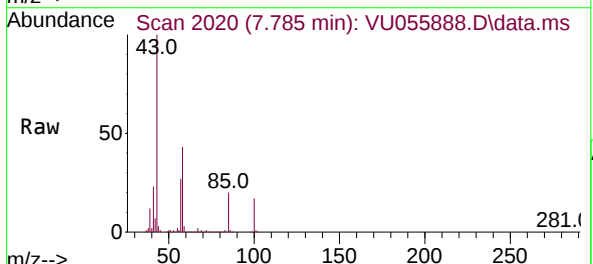
Tgt Ion: 43 Resp: 627935

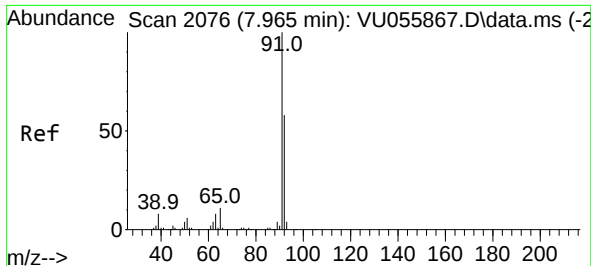
Ion Ratio Lower Upper

43 100

58 42.4 32.3 48.5

100 16.8 12.0 18.0





#42

Toluene

Concen: 49.638 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

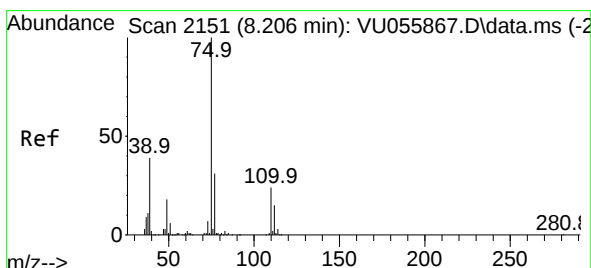
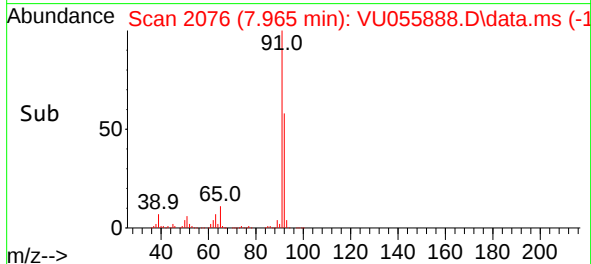
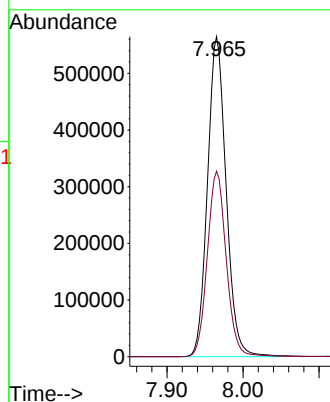
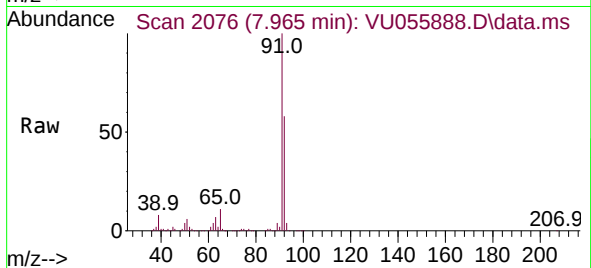
ClientSampleId :

Tgt Ion: 91 Resp: 960971

Ion Ratio Lower Upper

91 100

92 58.0 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 48.250 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055888.D

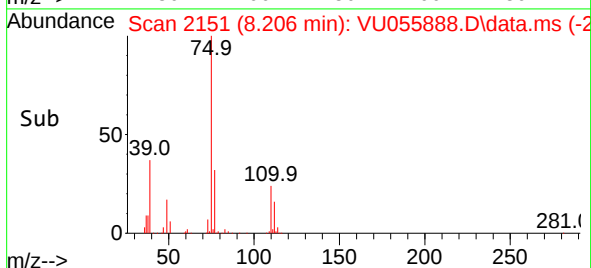
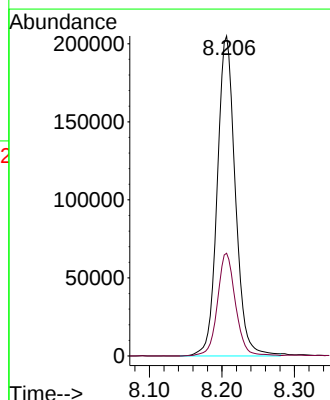
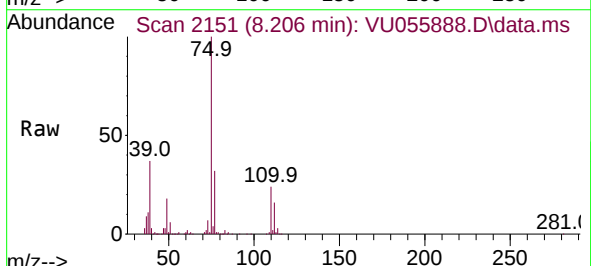
Acq: 25 Oct 2023 18:46

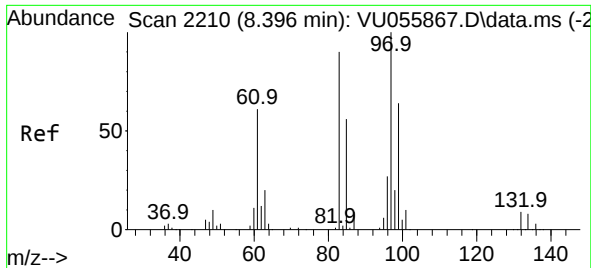
Tgt Ion: 75 Resp: 354837

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2



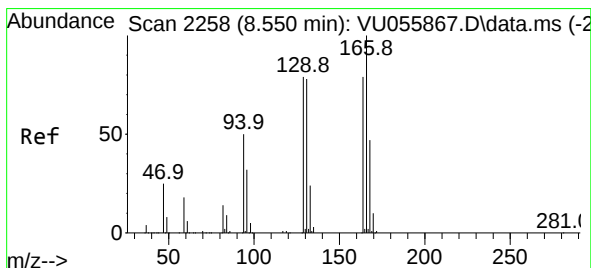
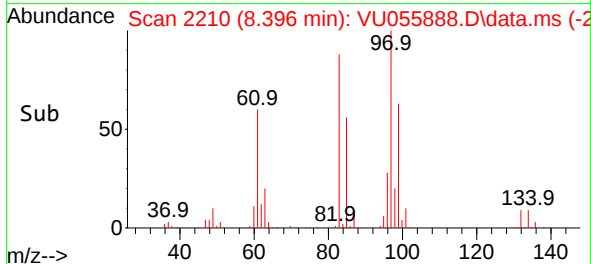
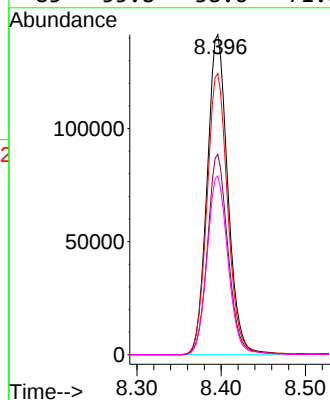
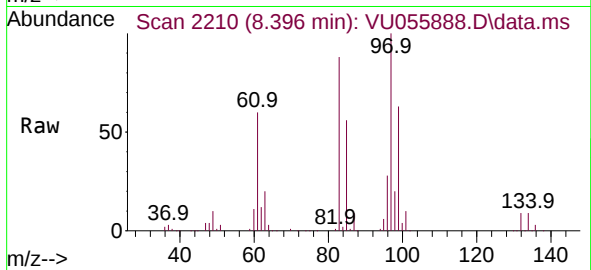


#45
1,1,2-Trichloroethane
Concen: 48.490 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 241560

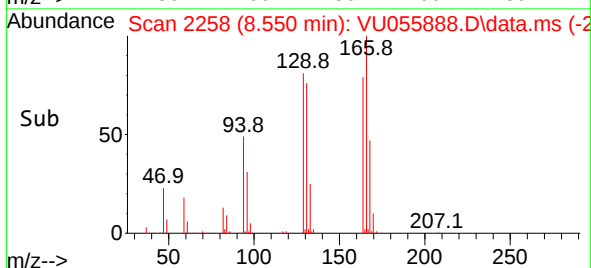
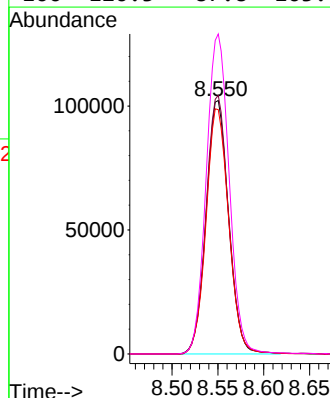
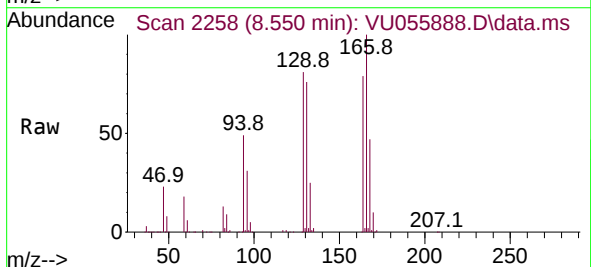
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.4	82.5
83	87.9	60.4	112.2
85	55.8	38.6	71.8

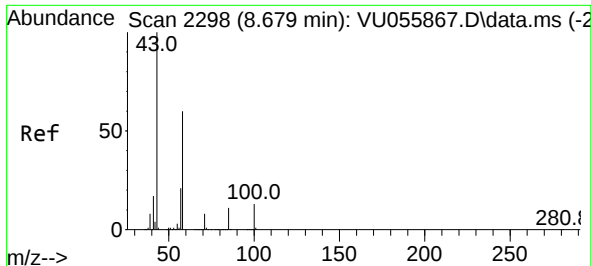


#46
Tetrachloroethene
Concen: 48.806 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion: 164 Resp: 175420

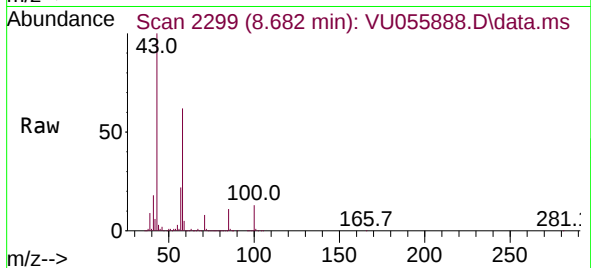
Ion	Ratio	Lower	Upper
164	100		
129	102.0	70.7	131.3
131	96.4	65.9	122.5
166	126.3	87.8	163.0



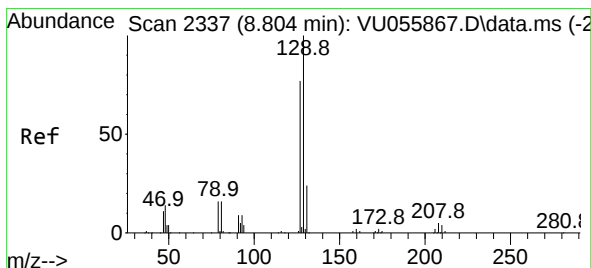
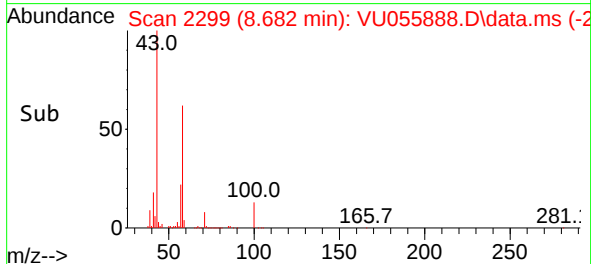
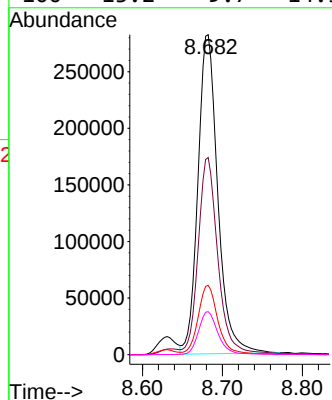


#48
2-Hexanone
Concen: 82.314 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Instrument :
MSVOA_U
ClientSampleId :

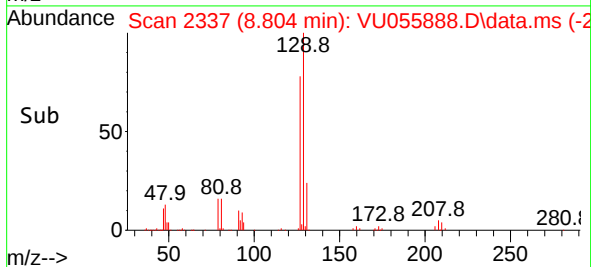
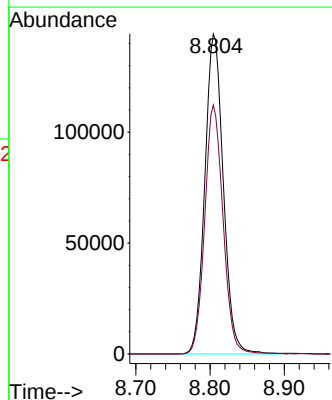
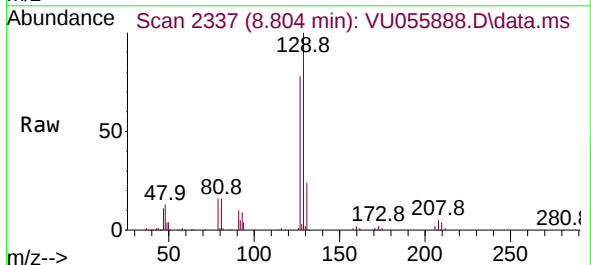


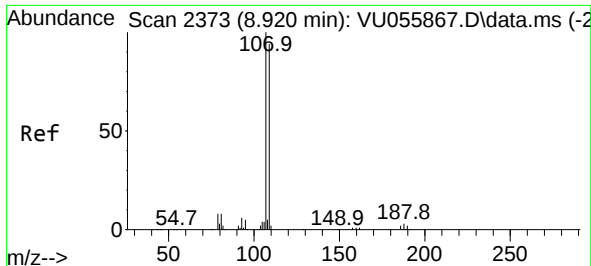
Tgt Ion: 43 Resp: 488671
Ion Ratio Lower Upper
43 100
58 61.0 45.2 67.8
57 21.2 16.1 24.1
100 13.2 9.7 14.5



#49
Dibromochloromethane
Concen: 48.944 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion: 129 Resp: 249131
Ion Ratio Lower Upper
129 100
127 77.8 54.0 100.4





#50

1,2-Dibromoethane

Concen: 47.702 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

ClientSampleId :

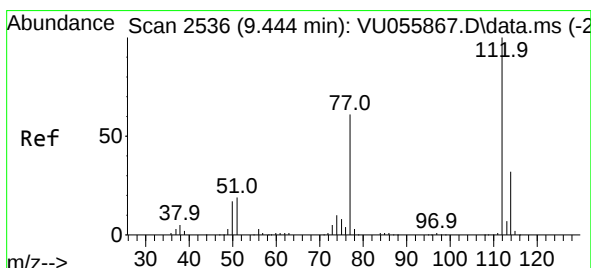
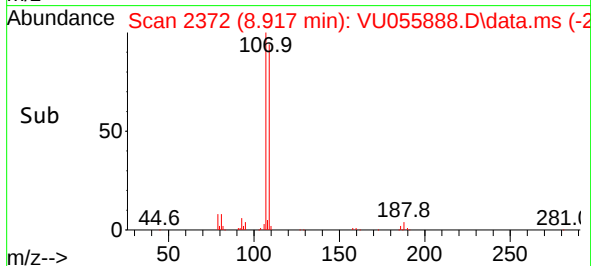
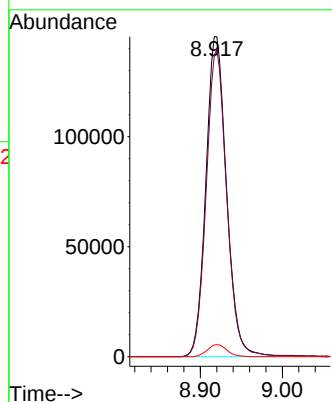
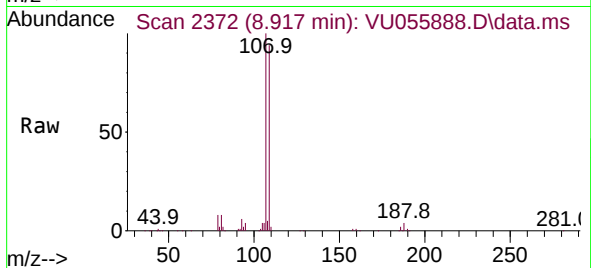
Tgt Ion:107 Resp: 255240

Ion Ratio Lower Upper

107 100

109 94.2 66.7 123.9

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 50.509 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

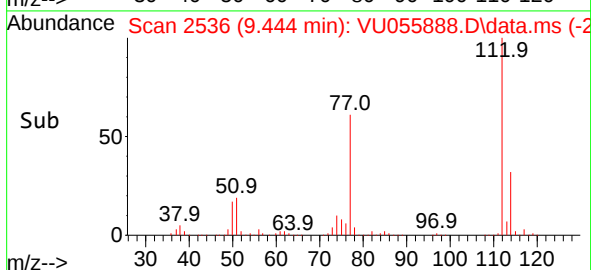
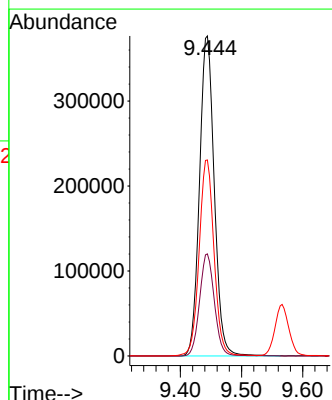
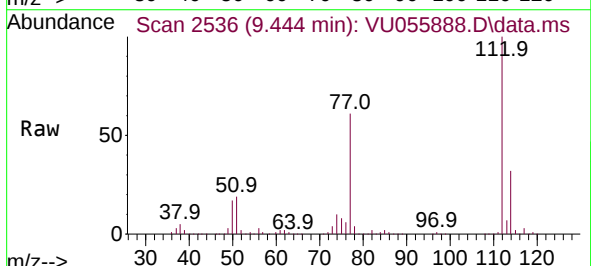
Tgt Ion:112 Resp: 632654

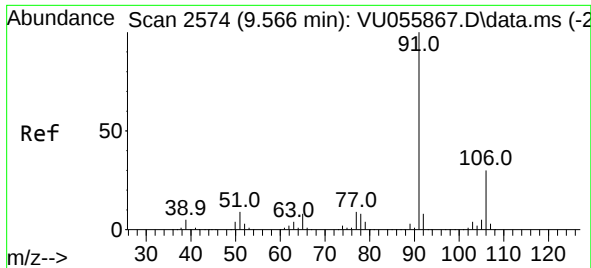
Ion Ratio Lower Upper

112 100

114 31.9 22.0 40.8

77 61.2 49.0 73.6

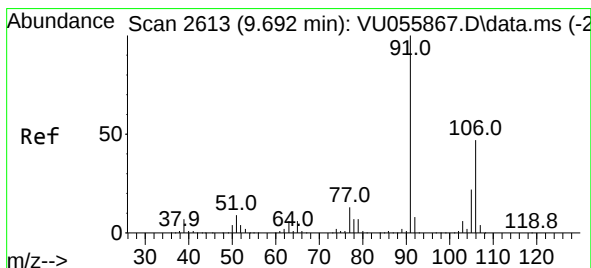
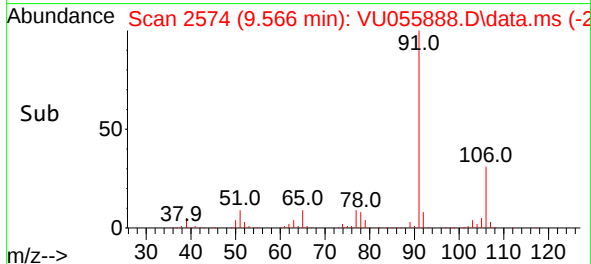
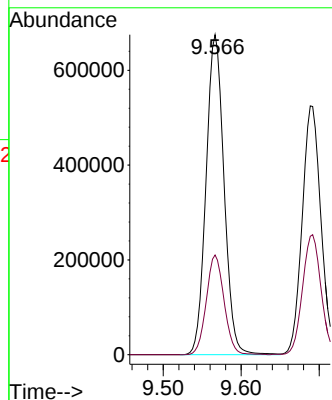
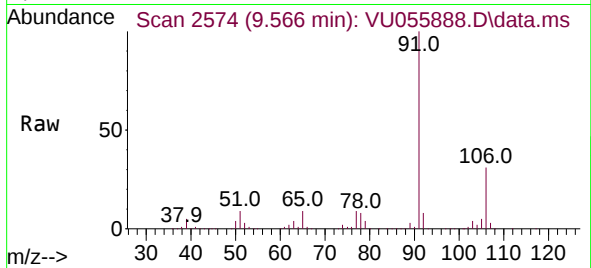




#52
Ethylbenzene
Concen: 51.085 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

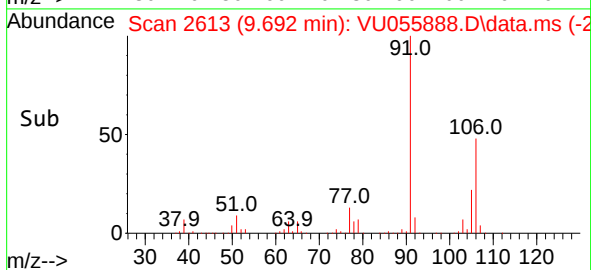
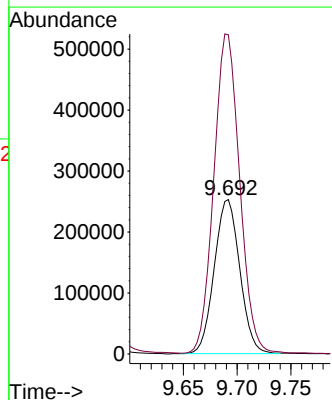
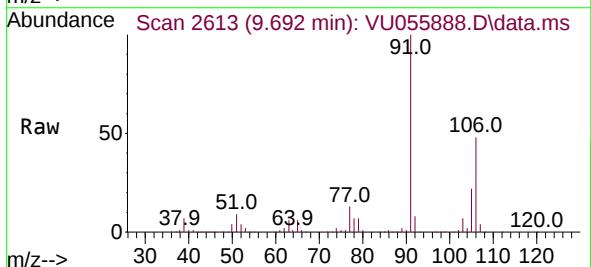
Instrument :
MSVOA_U
ClientSampleId :

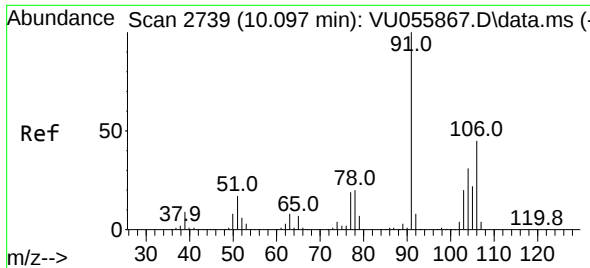
Tgt Ion: 91 Resp: 1081218
Ion Ratio Lower Upper
91 100
106 31.1 21.2 39.4



#53
m,p-Xylene
Concen: 52.554 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion:106 Resp: 416717
Ion Ratio Lower Upper
106 100
91 206.8 143.8 267.0

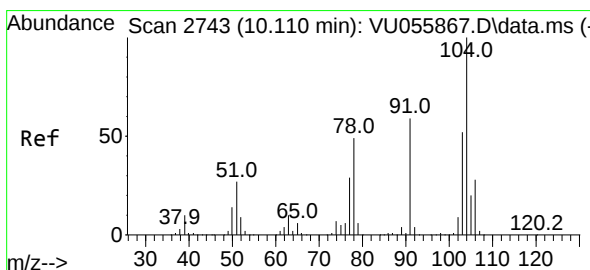
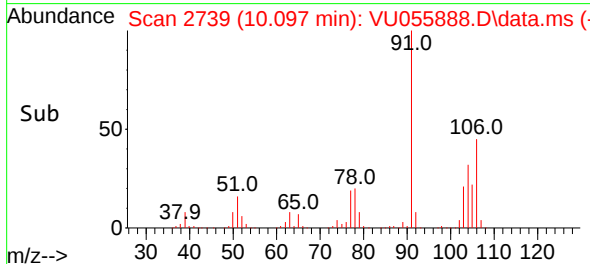
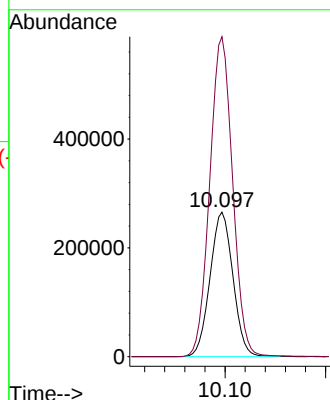
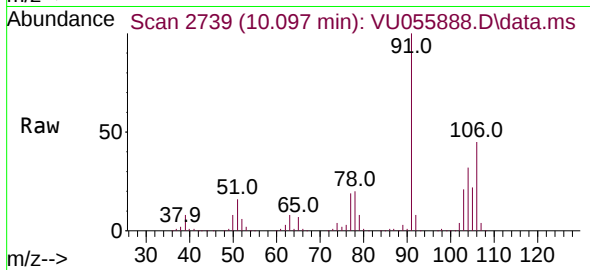




#54
o-Xylene
Concen: 54.831 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

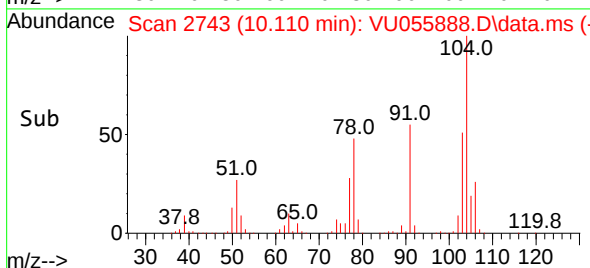
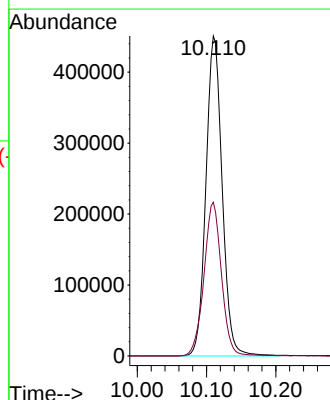
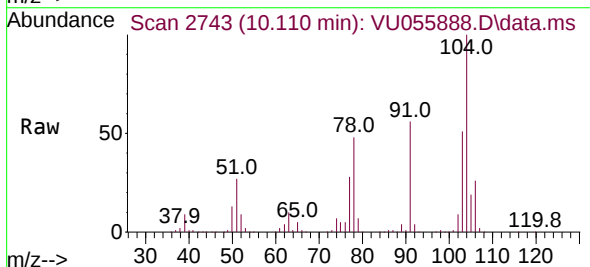
Instrument :
MSVOA_U
ClientSampleId :

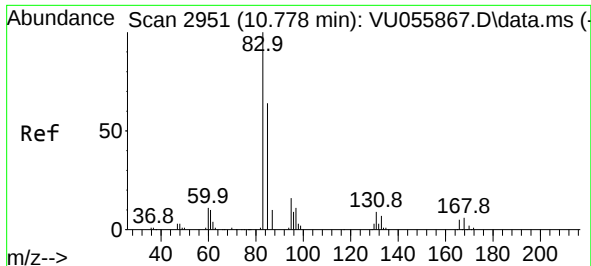
Tgt Ion:106 Resp: 420728
Ion Ratio Lower Upper
106 100
91 221.5 151.8 282.0



#55
Styrene
Concen: 56.448 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion:104 Resp: 733754
Ion Ratio Lower Upper
104 100
78 48.0 33.6 62.4

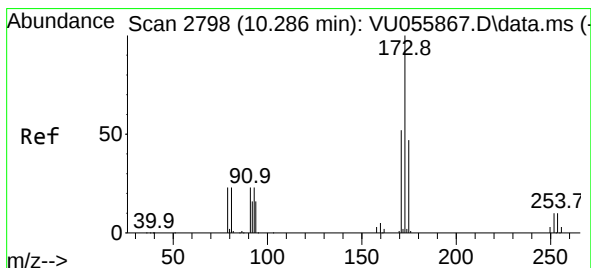
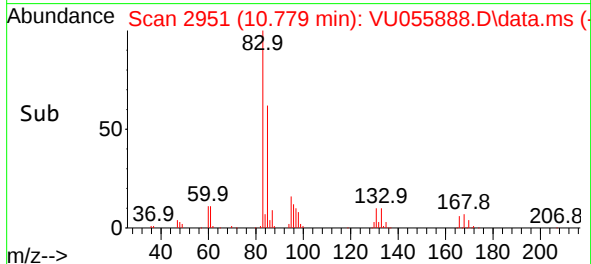
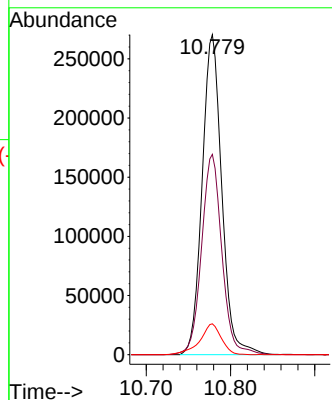
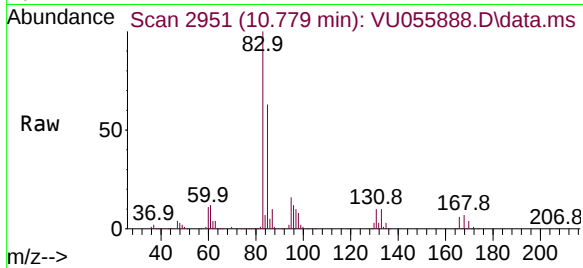




#57
1,1,2,2-Tetrachloroethane
Concen: 51.481 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

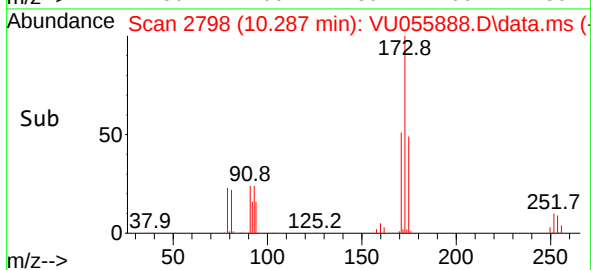
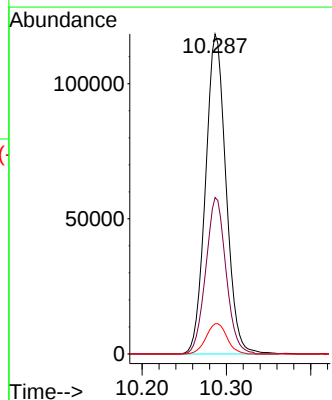
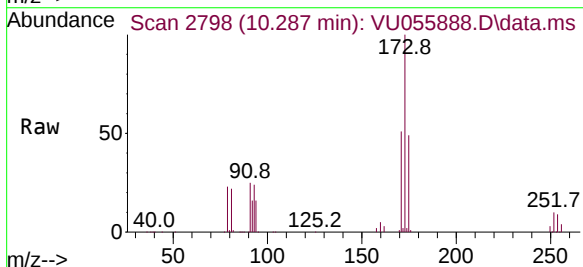
Instrument :
MSVOA_U
ClientSampleId :

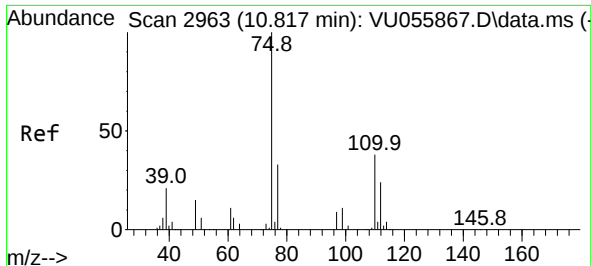
Tgt Ion: 83 Resp: 439133
Ion Ratio Lower Upper
83 100
85 62.6 44.9 83.5
131 9.7 7.3 10.9



#59
Bromoform
Concen: 50.513 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion:173 Resp: 199964
Ion Ratio Lower Upper
173 100
175 48.5 40.4 60.6
254 9.7 7.3 10.9

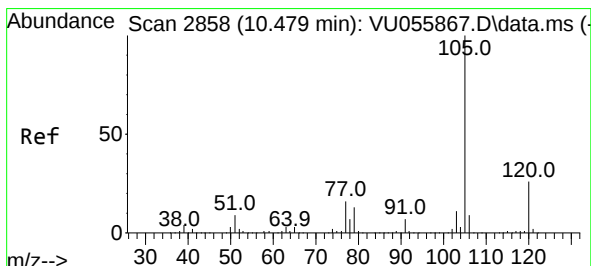
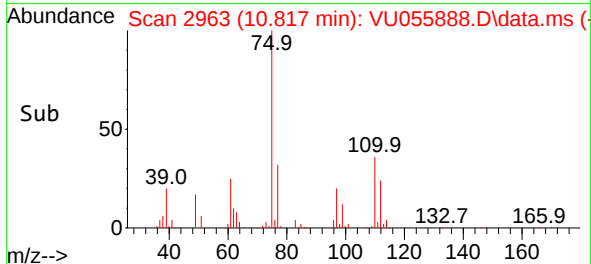
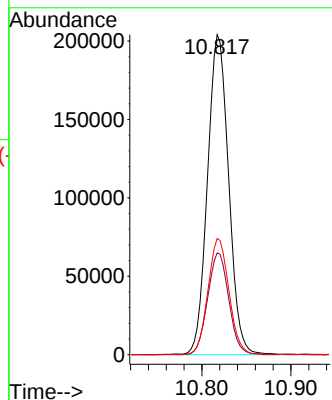
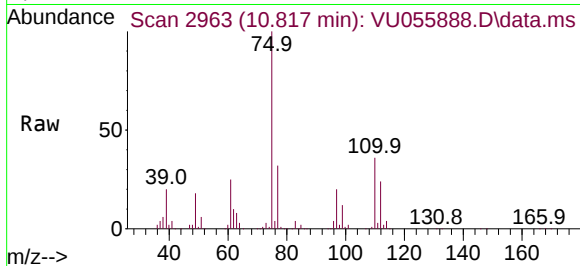




#60
 1,2,3-Trichloropropane
 Concen: 48.165 ug/L
 RT: 10.817 min Scan# 2963
 Delta R.T. 0.000 min
 Lab File: VU055888.D
 Acq: 25 Oct 2023 18:46

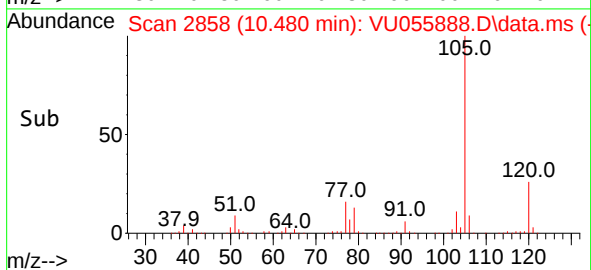
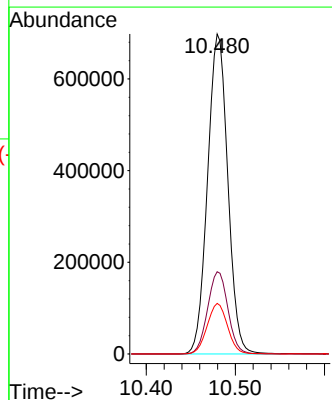
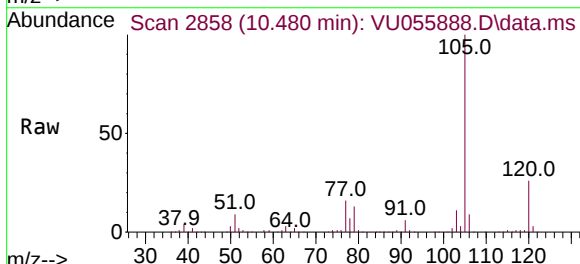
Instrument :
 MSVOA_U
 ClientSampleId :

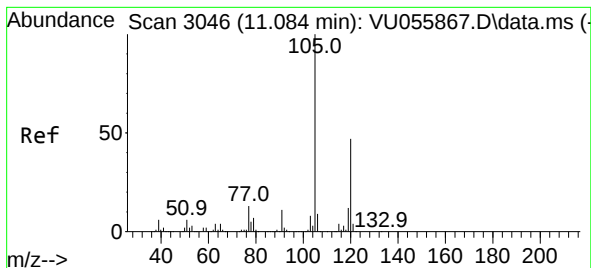
Tgt Ion: 75 Resp: 336154
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8
 110 36.1 28.5 42.7



#61
 Isopropylbenzene
 Concen: 54.820 ug/L
 RT: 10.480 min Scan# 2858
 Delta R.T. 0.000 min
 Lab File: VU055888.D
 Acq: 25 Oct 2023 18:46

Tgt Ion: 105 Resp: 1099013
 Ion Ratio Lower Upper
 105 100
 120 25.9 20.6 30.8
 77 15.9 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 59.033 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

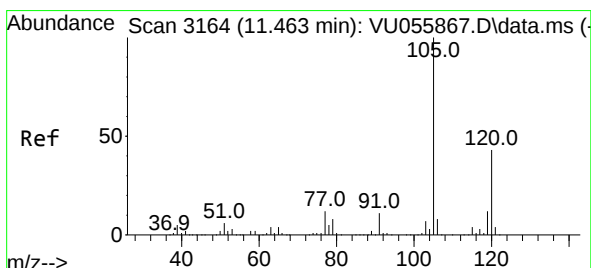
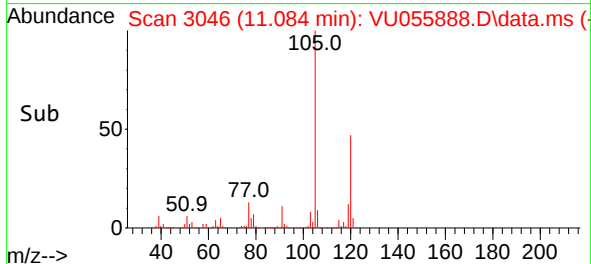
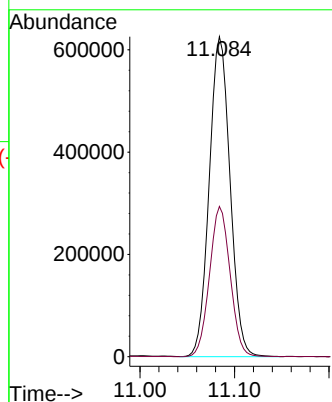
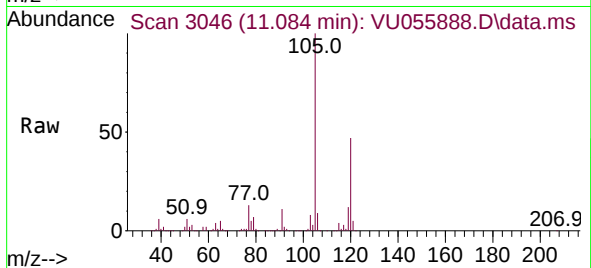
ClientSampleId :

Tgt Ion:105 Resp: 957612

Ion Ratio Lower Upper

105 100

120 46.4 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 59.879 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU055888.D

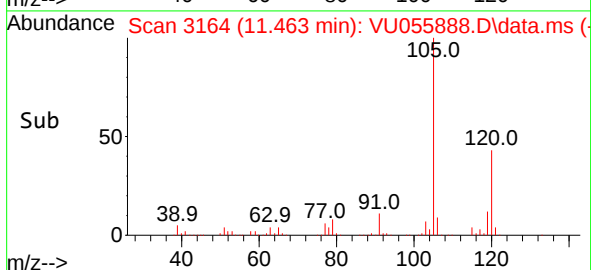
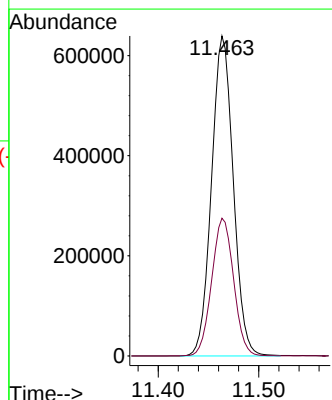
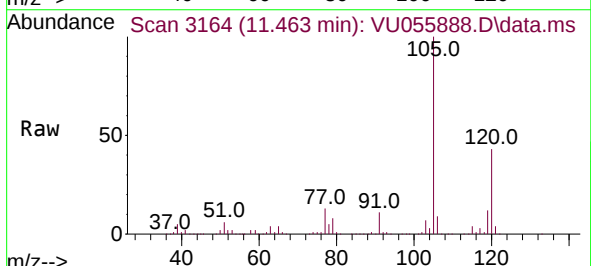
Acq: 25 Oct 2023 18:46

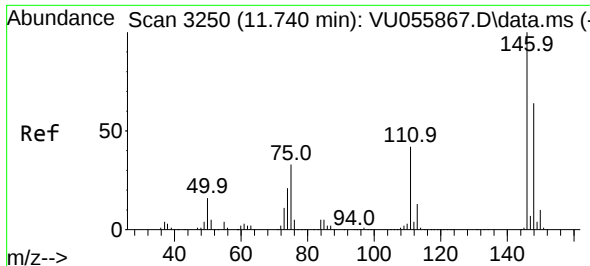
Tgt Ion:105 Resp: 960482

Ion Ratio Lower Upper

105 100

120 43.6 35.0 52.4

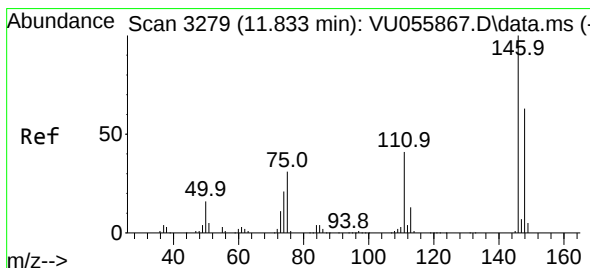
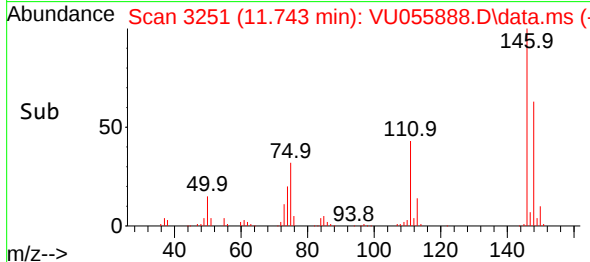
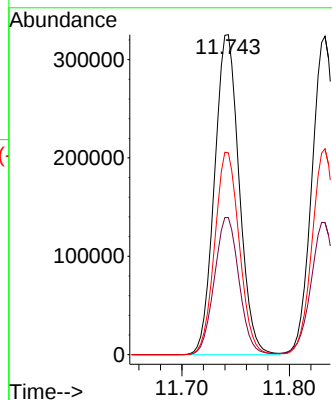
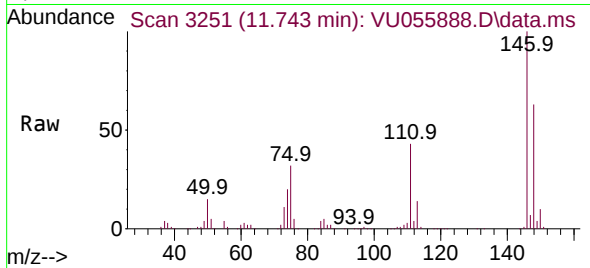




#64
 1,3-Dichlorobenzene
 Concen: 52.417 ug/L
 RT: 11.743 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU055888.D
 Acq: 25 Oct 2023 18:46

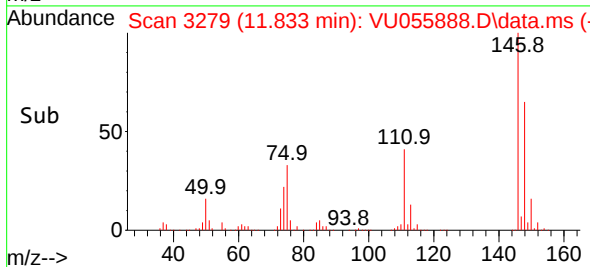
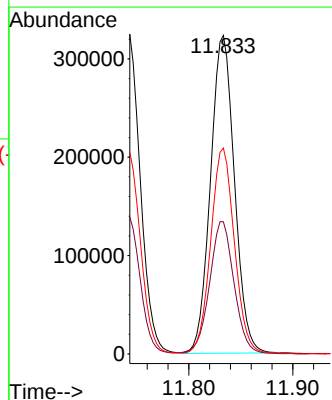
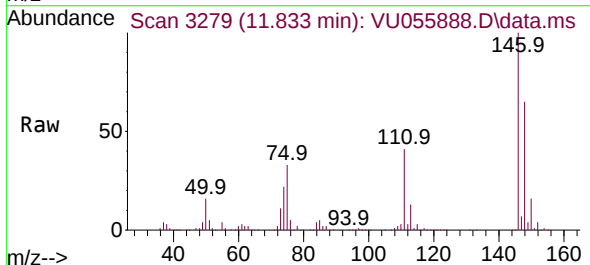
Instrument :
 MSVOA_U
 ClientSampleId :

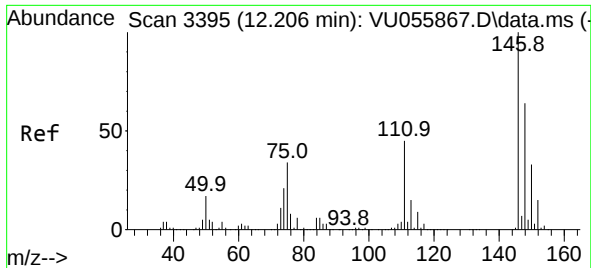
Tgt Ion:146 Resp: 519466
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.7 55.1
 148 63.1 45.0 83.6



#65
 1,4-Dichlorobenzene
 Concen: 50.787 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. 0.000 min
 Lab File: VU055888.D
 Acq: 25 Oct 2023 18:46

Tgt Ion:146 Resp: 517472
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.6 53.0
 148 64.6 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 53.373 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

ClientSampleId :

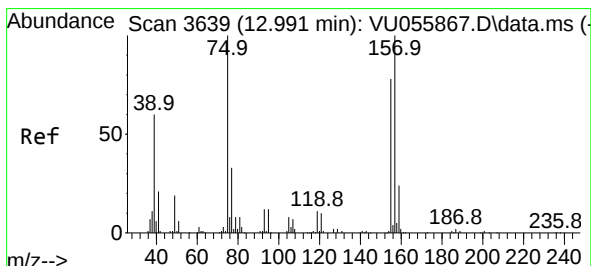
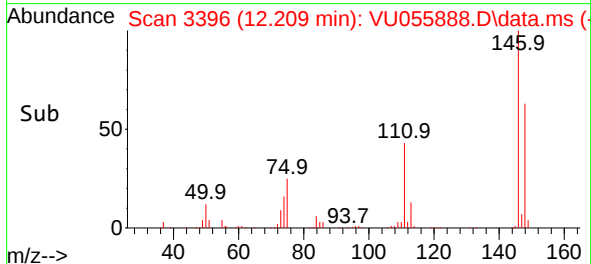
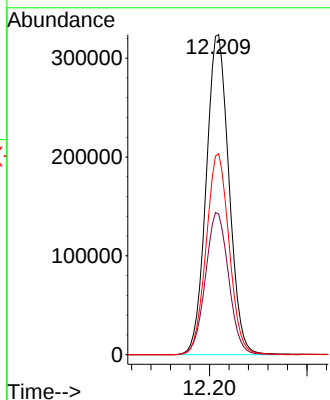
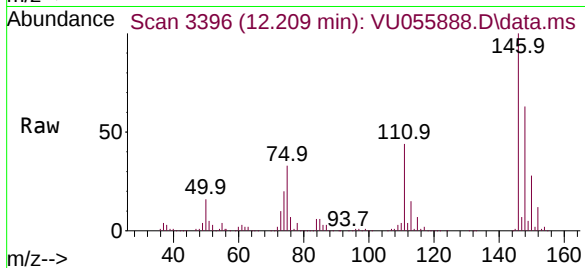
Tgt Ion:146 Resp: 524911

Ion Ratio Lower Upper

146 100

111 43.9 35.2 52.8

148 62.8 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 42.341 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

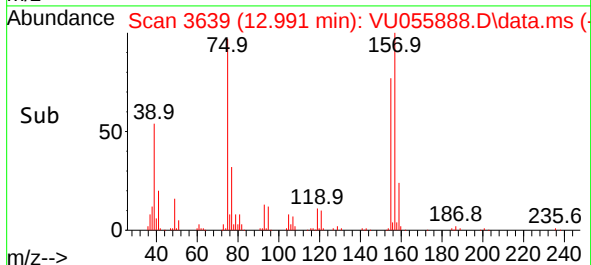
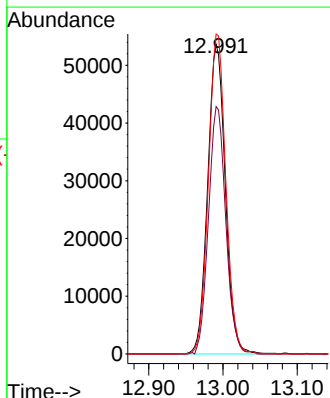
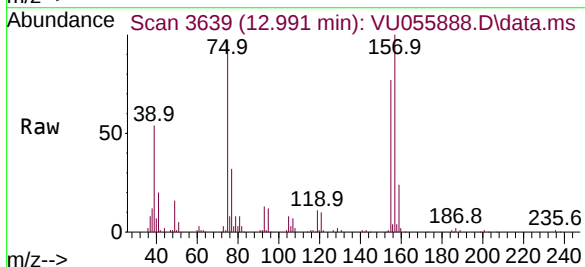
Tgt Ion: 75 Resp: 88345

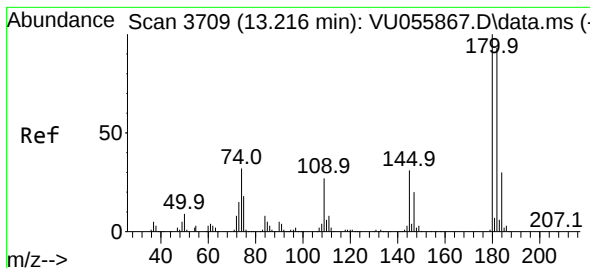
Ion Ratio Lower Upper

75 100

155 84.5 59.6 89.4

157 107.8 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 52.579 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 347568

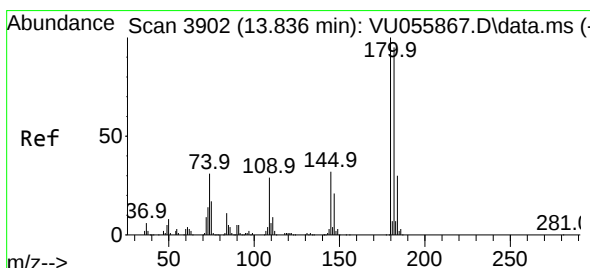
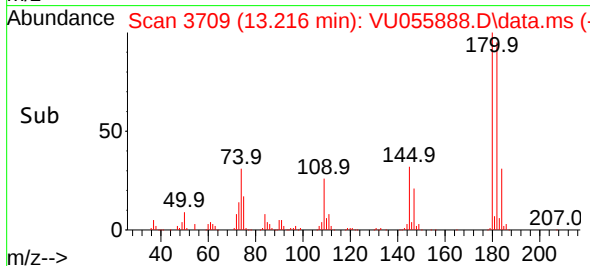
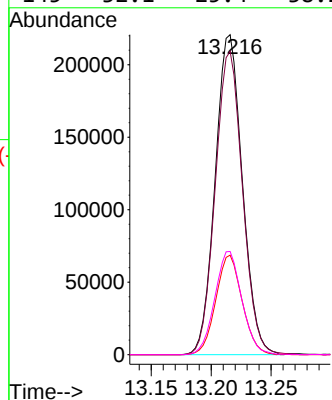
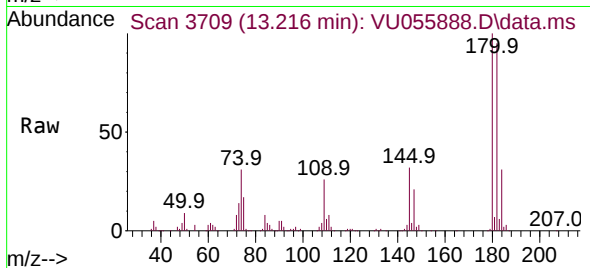
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

184 30.1 23.9 35.9

145 32.1 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 53.364 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055888.D

Acq: 25 Oct 2023 18:46

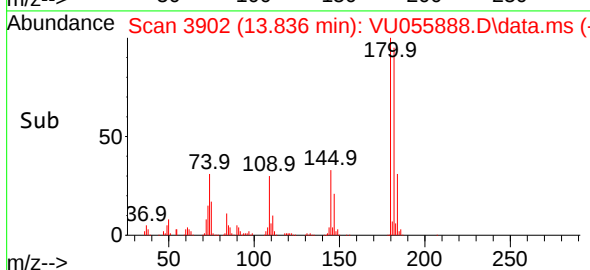
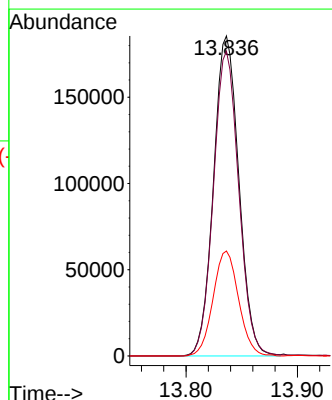
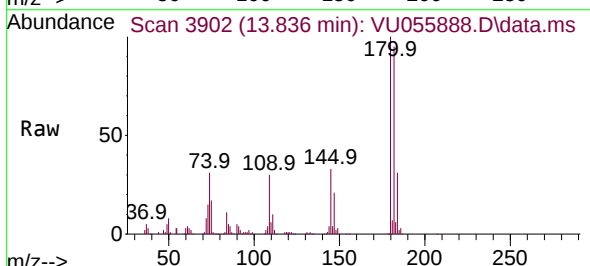
Tgt Ion:180 Resp: 293828

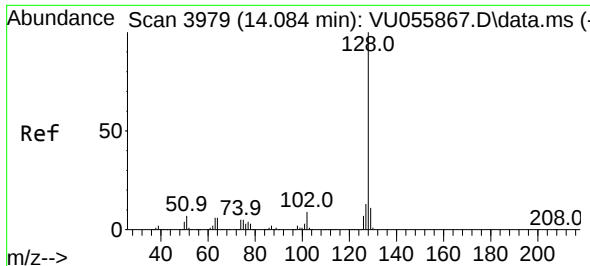
Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.2

145 33.0 26.1 39.1

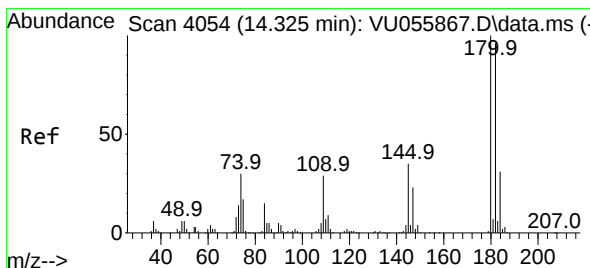
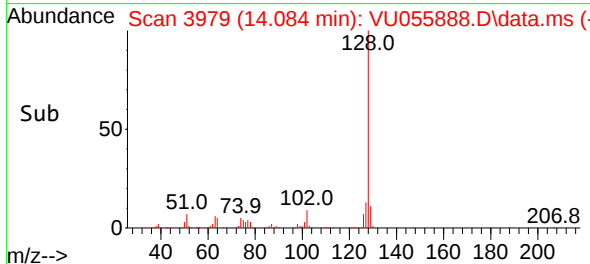
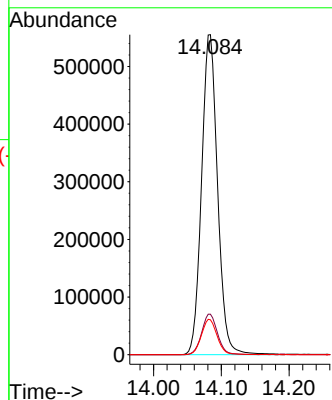
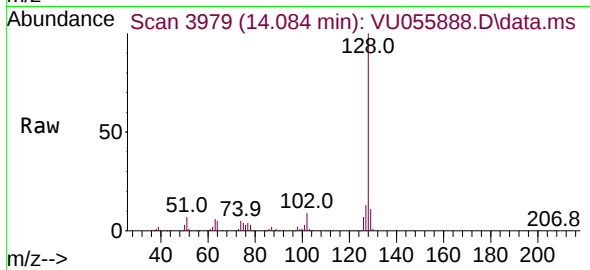




#71
Naphthalene
Concen: 55.623 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 909775
Ion Ratio Lower Upper
128 100
127 12.5 10.6 16.0
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 54.319 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU055888.D
Acq: 25 Oct 2023 18:46

Tgt Ion:180 Resp: 294880
Ion Ratio Lower Upper
180 100
182 95.4 78.1 117.1
145 34.9 27.4 41.0

