

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093022\
 Data File : VU051050.D
 Acq On : 30 Sep 2022 21:36
 Operator : JC/MD
 Sample : N4859-20MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E10042MS

Quant Time: Oct 01 01:29:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 01 01:23:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	443488	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	438529	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	216006	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	146092	32.504	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.000%
7) Chloroethane-d5	1.903	69	138502	33.174	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	66.340%#
11) 1,1-Dichloroethene-d2	2.568	63	264455	39.833	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.660%
21) 2-Butanone-d5	4.623	46	293090	100.543	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.540%
24) Chloroform-d	5.063	84	315542	43.576	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.160%
26) 1,2-Dichloroethane-d4	5.700	65	198625	44.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.640%
32) Benzene-d6	5.726	84	611279	47.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.690	67	208518	50.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.080%
41) Toluene-d8	7.896	98	551488	46.481	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.960%
43) trans-1,3-Dichloroprop...	8.179	79	93689	47.138	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.280%
47) 2-Hexanone-d5	8.632	63	170096	101.092	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.090%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	335787	46.107	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.220%
66) 1,2-Dichlorobenzene-d4	12.192	152	203632	44.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	168276	45.249	ug/L	99
3) Chloromethane	1.520	50	222384	50.613	ug/L	97
5) Vinyl chloride	1.604	62	217449	46.632	ug/L	98
6) Bromomethane	1.851	94	123852	32.064	ug/L	94
8) Chloroethane	1.925	64	139155	40.639	ug/L	99
9) Trichlorofluoromethane	2.134	101	253715	40.464	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	150993	44.598	ug/L	98
12) 1,1-Dichloroethene	2.578	96	147753	46.719	ug/L	88
13) Acetone	2.629	43	219632	94.352	ug/L	96
14) Carbon disulfide	2.790	76	442482	47.331	ug/L	99
15) Methyl Acetate	2.948	43	214322	50.430	ug/L	95
16) Methylene chloride	3.041	84	200084	44.071	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	164115	48.777	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	538831	52.698	ug/L	99
19) 1,1-Dichloroethane	3.867	63	330350	51.689	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	189562	50.460	ug/L	95
22) 2-Butanone	4.700	43	345321	107.370	ug/L	98
23) Bromochloromethane	4.973	128	100011	48.588	ug/L	94
25) Chloroform	5.086	83	349147	50.224	ug/L	97

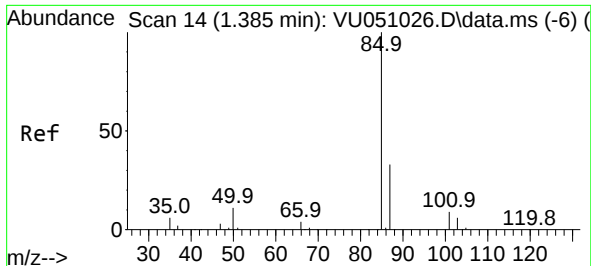
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	274447	51.537	ug/L	98
29) Cyclohexane	5.388	56	238250	55.797	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	267018	51.919	ug/L	99
31) Carbon tetrachloride	5.523	117	210102	50.070	ug/L	98
33) Benzene	5.771	78	762755	57.052	ug/L	100
34) Trichloroethene	6.539	95	182457	52.691	ug/L	95
35) Methylcyclohexane	6.761	83	243853	51.740	ug/L	97
37) 1,2-Dichloropropane	6.790	63	207947	57.759	ug/L	99
38) Bromodichloromethane	7.105	83	259953	54.104	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	285522	55.999	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	642452	123.220	ug/L	98
42) Toluene	7.967	91	786750	55.325	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	281045	54.515	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	205005	52.569	ug/L	99
46) Tetrachloroethene	8.552	164	121247	46.203	ug/L	98
48) 2-Hexanone	8.684	43	553399	116.856	ug/L	99
49) Dibromochloromethane	8.806	129	199062	48.551	ug/L	97
50) 1,2-Dibromoethane	8.922	107	214259	50.675	ug/L	97
51) Chlorobenzene	9.446	112	474222	49.037	ug/L	100
52) Ethylbenzene	9.568	91	785923	51.813	ug/L	100
53) m,p-Xylene	9.690	106	298578	52.345	ug/L	94
54) o-Xylene	10.099	106	299869	52.596	ug/L	99
55) Styrene	10.111	104	525943	53.374	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	355599	51.523	ug/L	99
59) Bromoform	10.288	173	149007	46.884	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	290217	51.055	ug/L	99
61) Isopropylbenzene	10.481	105	761528	54.271	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	631793	55.063	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	636536	55.351	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	343473	47.482	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	346621	47.935	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	368457	49.576	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	84251	50.790	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	233048	47.508	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	196490	48.956	ug/L	99
71) Naphthalene	14.082	128	793320	55.225	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	226721	50.623	ug/L	98

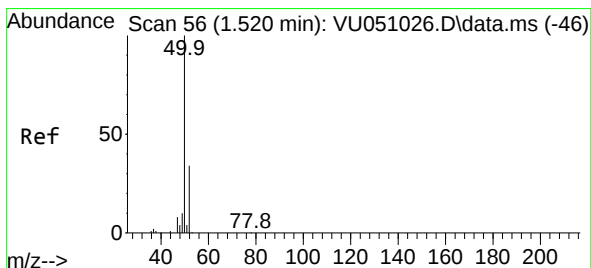
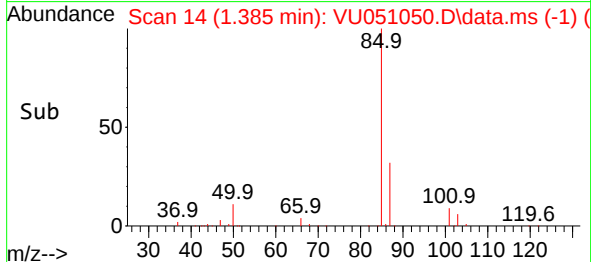
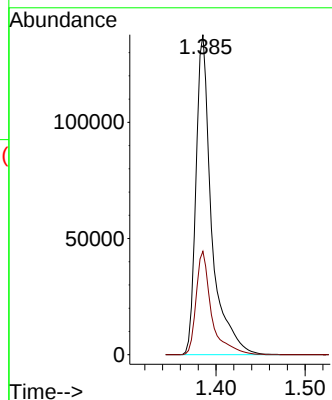
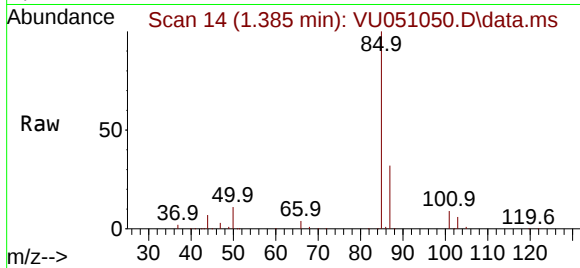
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 45.249 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

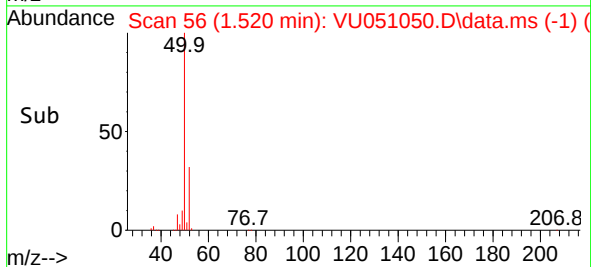
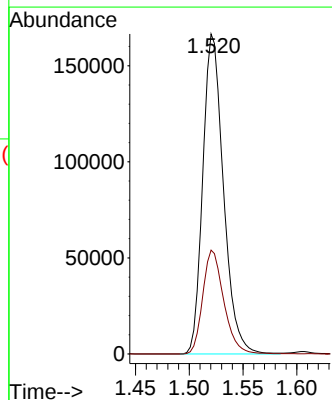
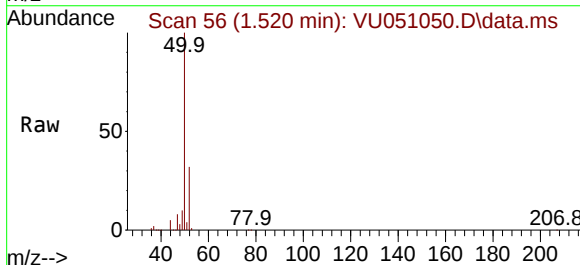
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

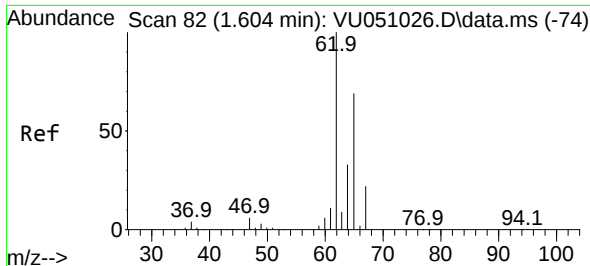
Tgt Ion: 85 Resp: 168276
Ion Ratio Lower Upper
85 100
87 31.8 25.9 38.9



#3
Chloromethane
Concen: 50.613 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion: 50 Resp: 222384
Ion Ratio Lower Upper
50 100
52 32.4 23.7 44.1

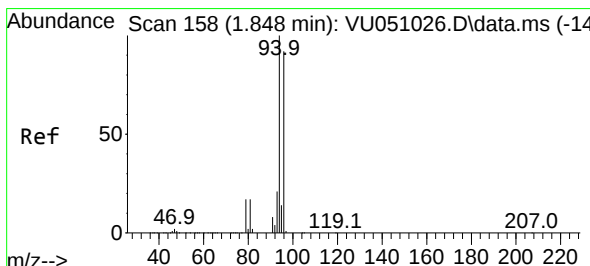
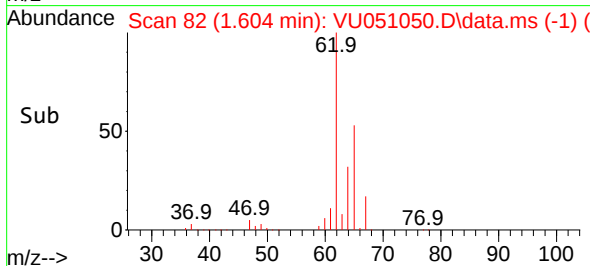
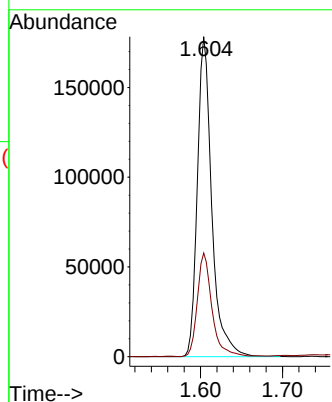
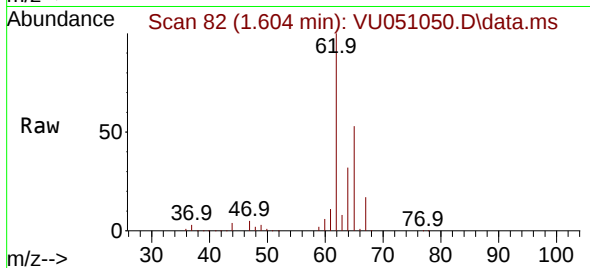




#5
 Vinyl chloride
 Concen: 46.632 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051050.D
 Acq: 30 Sep 2022 21:36

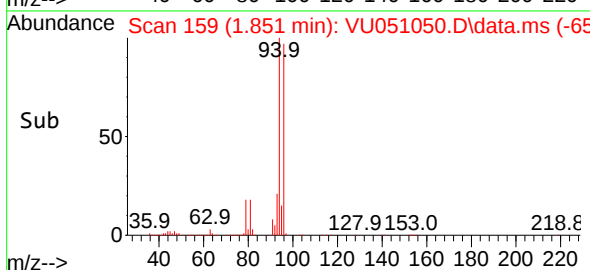
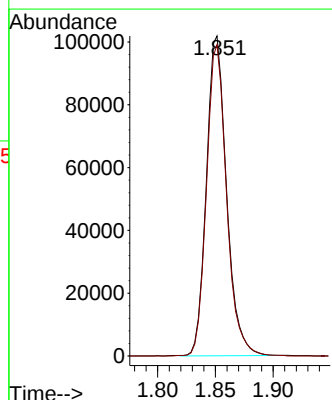
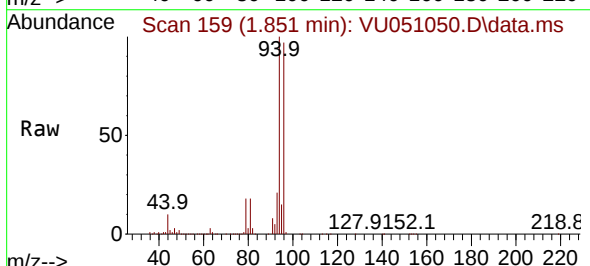
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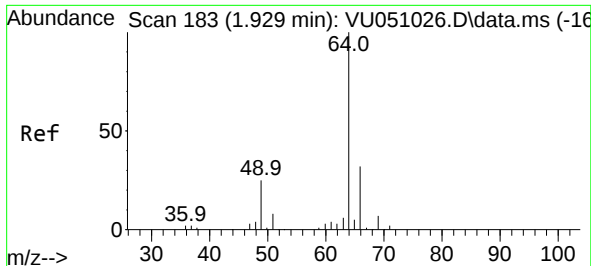
Tgt Ion: 62 Resp: 217449
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.5 43.7



#6
 Bromomethane
 Concen: 32.064 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.003 min
 Lab File: VU051050.D
 Acq: 30 Sep 2022 21:36

Tgt Ion: 94 Resp: 123852
 Ion Ratio Lower Upper
 94 100
 96 97.3 63.9 118.7

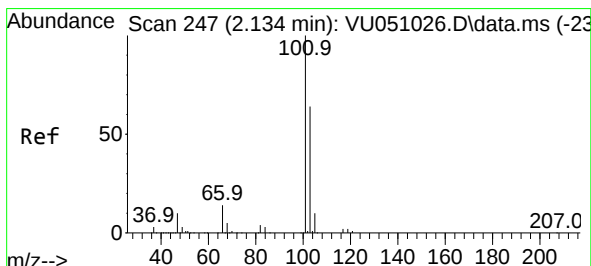
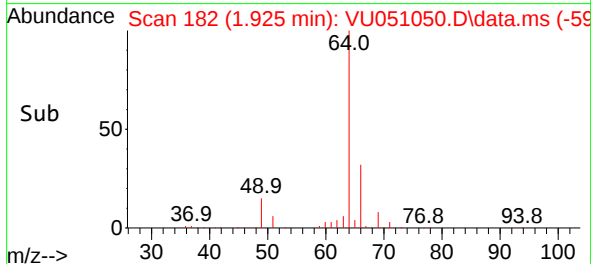
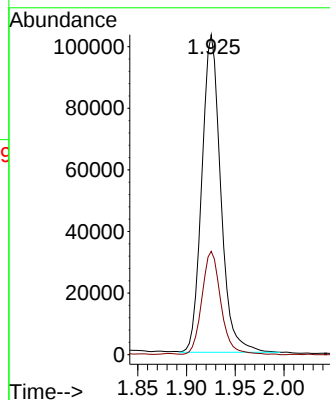
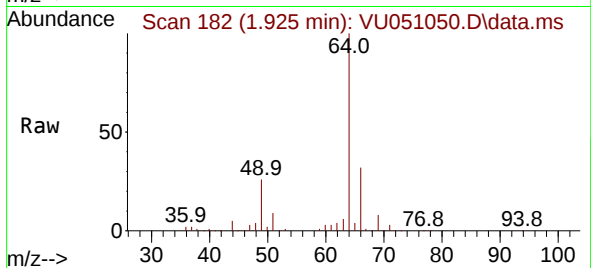




#8
Chloroethane
Concen: 40.639 ug/L
RT: 1.925 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

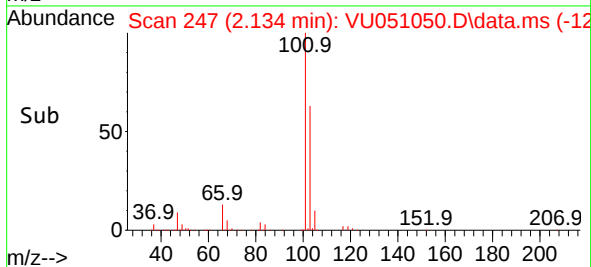
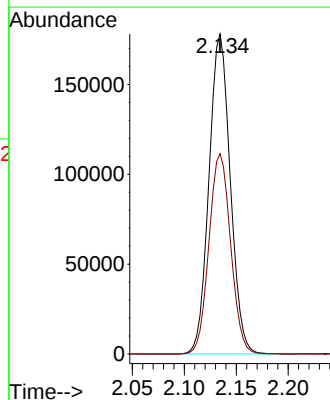
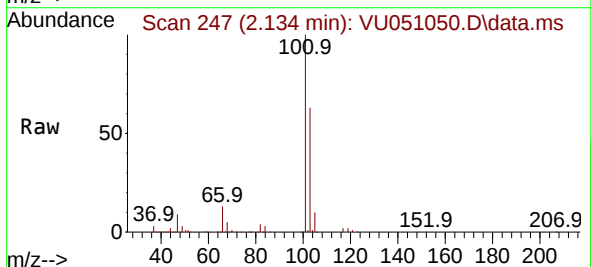
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ClientSampleId :
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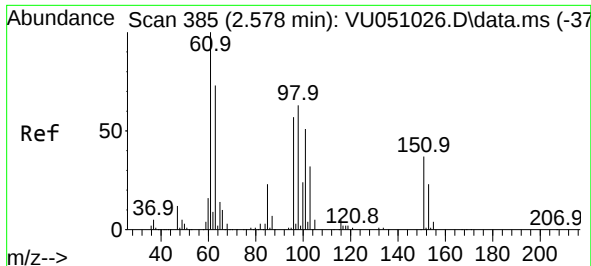
Tgt Ion: 64 Resp: 139155
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 40.464 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion:101 Resp: 253715
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.6

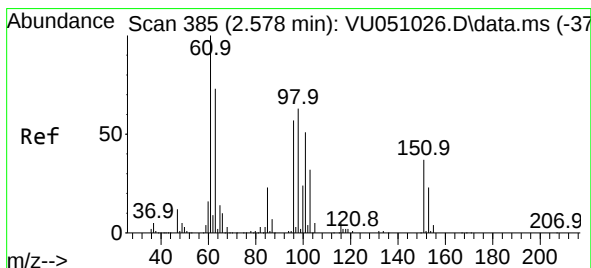
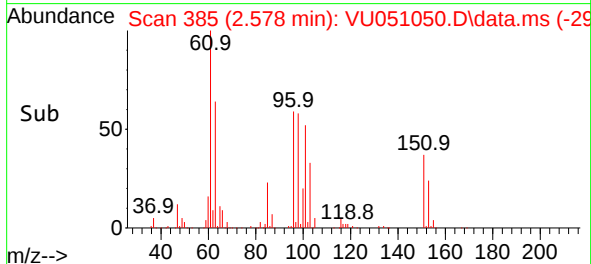
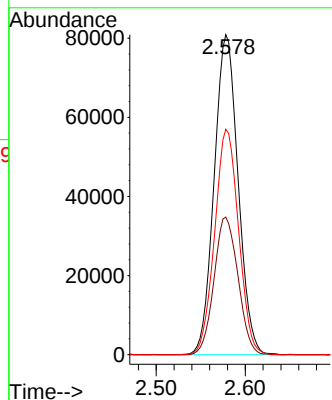
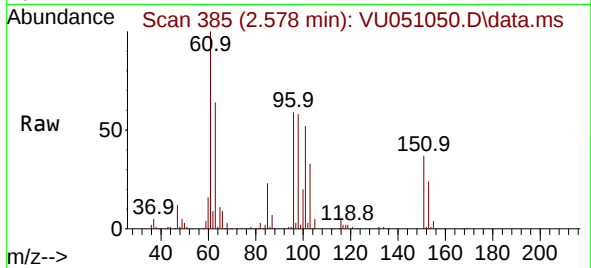




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.598 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051050.D
 Acq: 30 Sep 2022 21:36

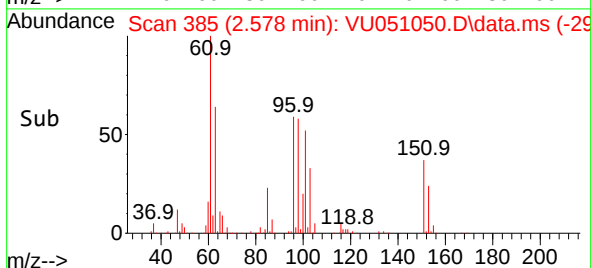
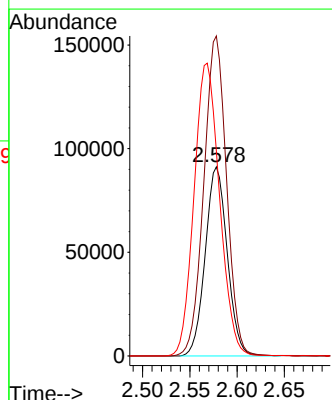
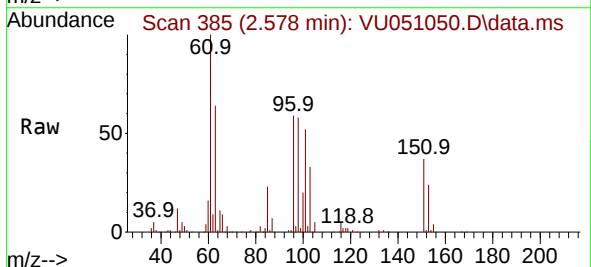
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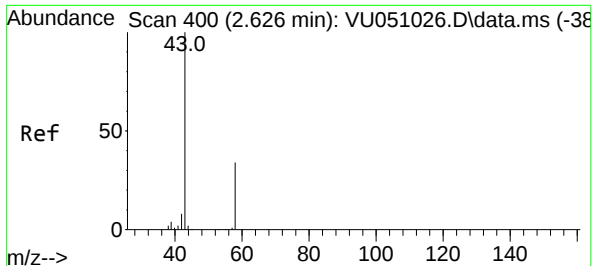
Tgt Ion:101 Resp: 150993
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.6 52.0
 151 70.5 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 46.719 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051050.D
 Acq: 30 Sep 2022 21:36

Tgt Ion: 96 Resp: 147753
 Ion Ratio Lower Upper
 96 100
 61 169.1 113.0 209.9
 63 108.3 91.7 170.3





#13

Acetone

Concen: 94.352 ug/L

RT: 2.629 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

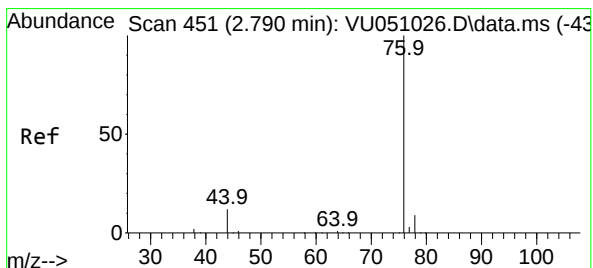
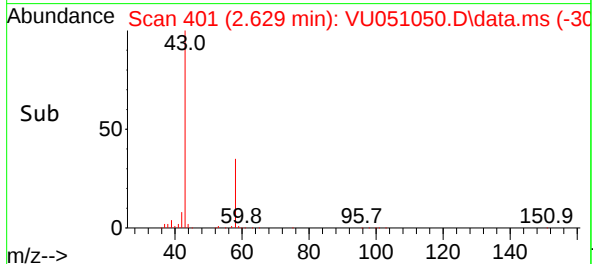
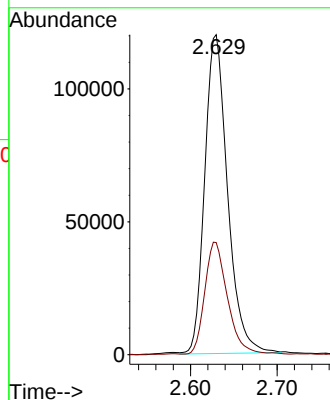
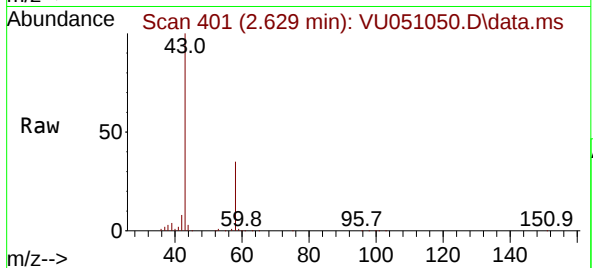
E10042MS

Tgt Ion: 43 Resp: 219632

Ion Ratio Lower Upper

43 100

58 34.6 0.0 73.6



#14

Carbon disulfide

Concen: 47.331 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051050.D

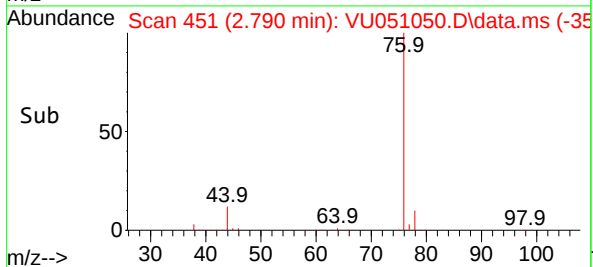
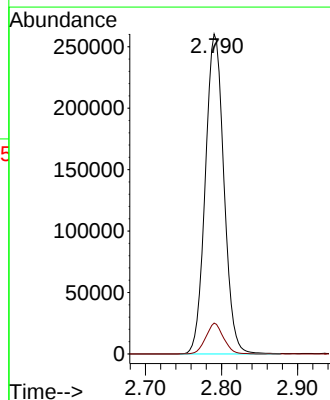
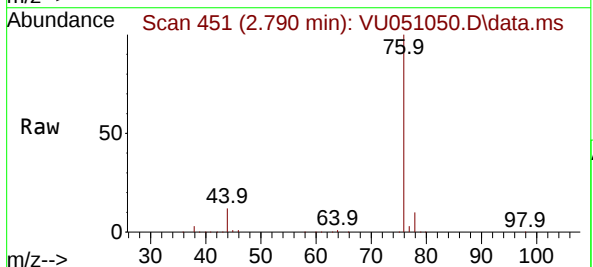
Acq: 30 Sep 2022 21:36

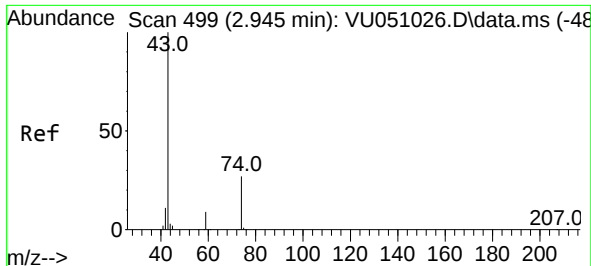
Tgt Ion: 76 Resp: 442482

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

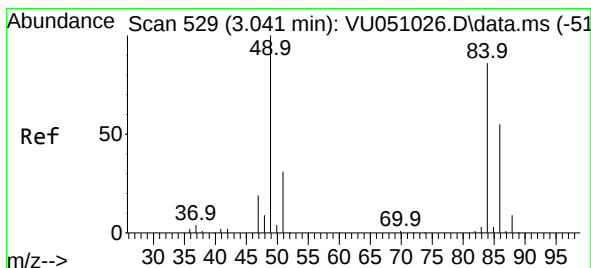
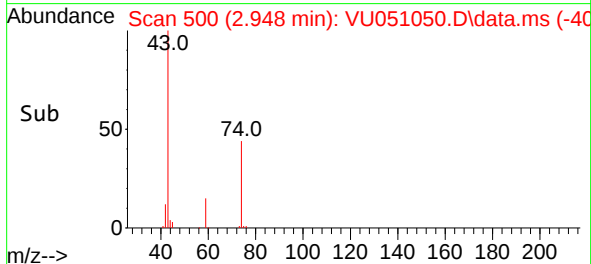
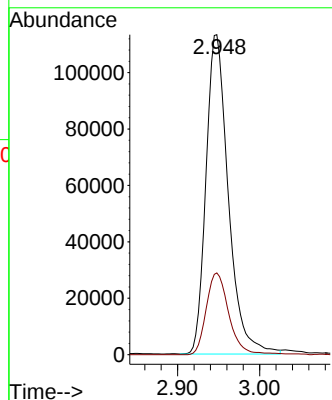
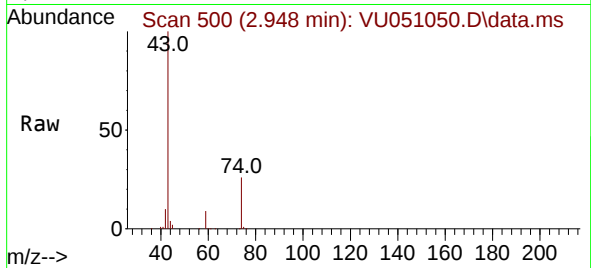




#15
Methyl Acetate
Concen: 50.430 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

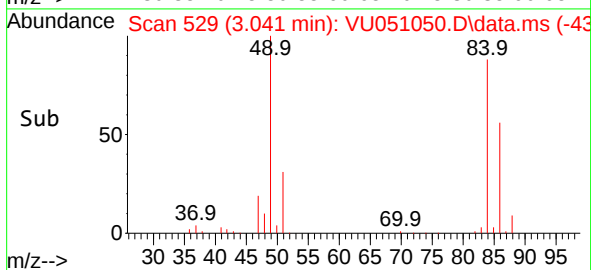
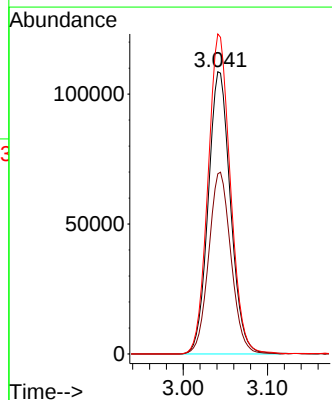
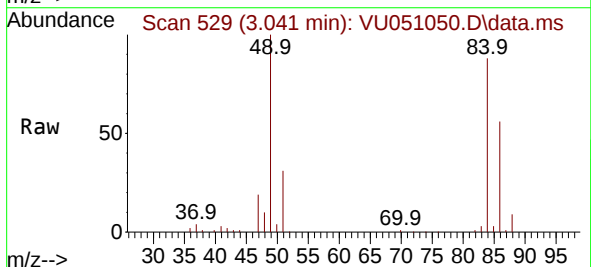
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

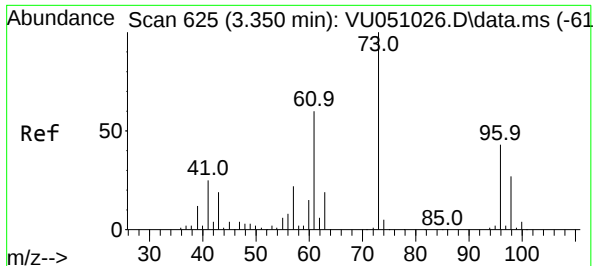
Tgt Ion: 43 Resp: 214322
Ion Ratio Lower Upper
43 100
74 25.6 22.4 33.6



#16
Methylene chloride
Concen: 44.071 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion: 84 Resp: 200084
Ion Ratio Lower Upper
84 100
86 63.8 45.4 84.4
49 113.4 78.3 145.3





#17

trans-1,2-Dichloroethene

Concen: 48.777 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

E10042MS

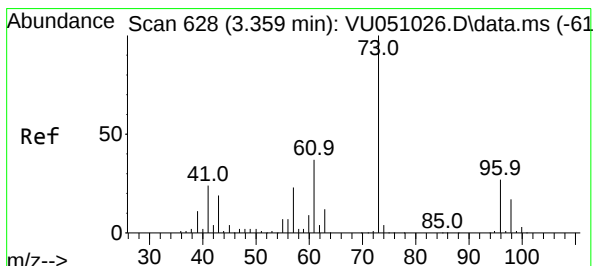
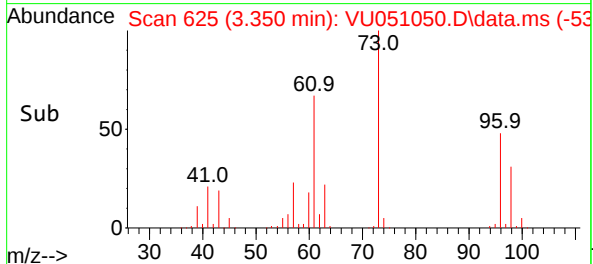
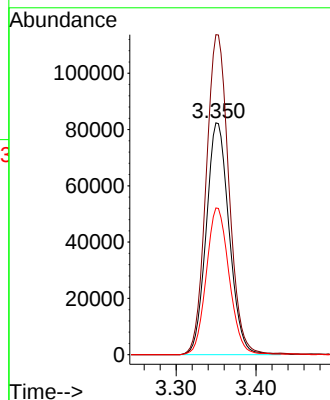
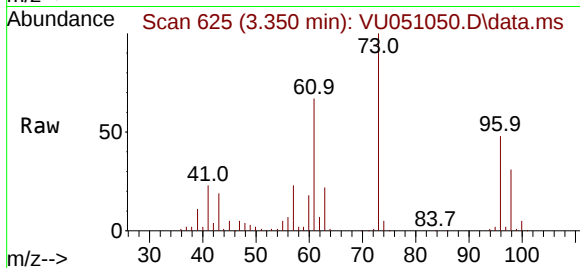
Tgt Ion: 96 Resp: 164115

Ion Ratio Lower Upper

96 100

61 138.0 95.1 176.5

98 63.3 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 52.698 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

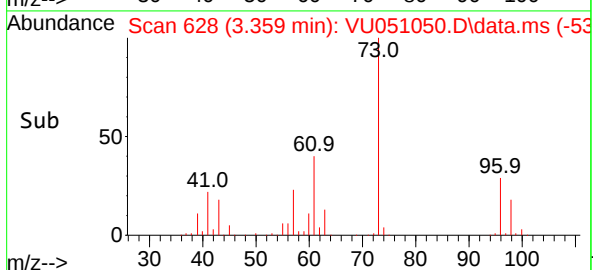
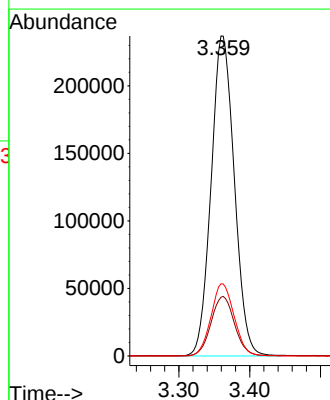
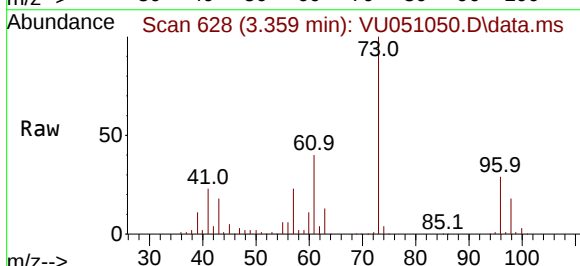
Tgt Ion: 73 Resp: 538831

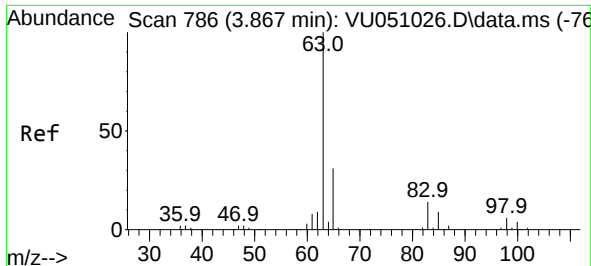
Ion Ratio Lower Upper

73 100

43 18.7 14.7 22.1

57 22.5 17.5 26.3





#19

1,1-Dichloroethane

Concen: 51.689 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

E10042MS

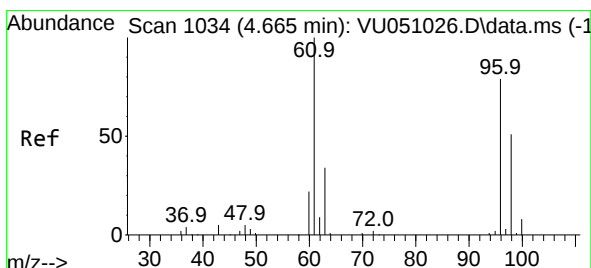
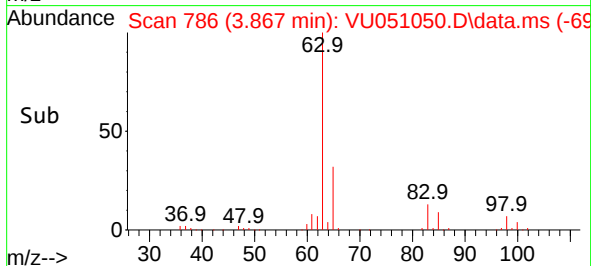
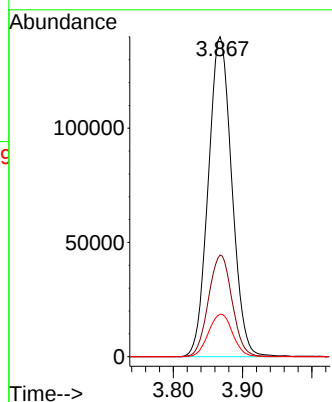
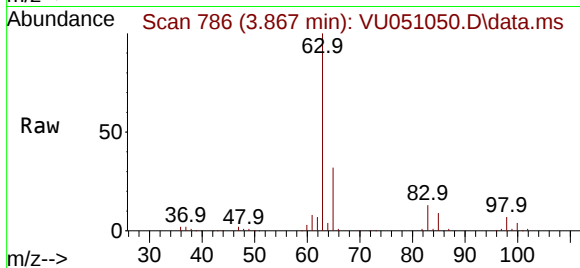
Tgt Ion: 63 Resp: 330350

Ion Ratio Lower Upper

63 100

65 31.7 22.6 42.0

83 13.3 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 50.460 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

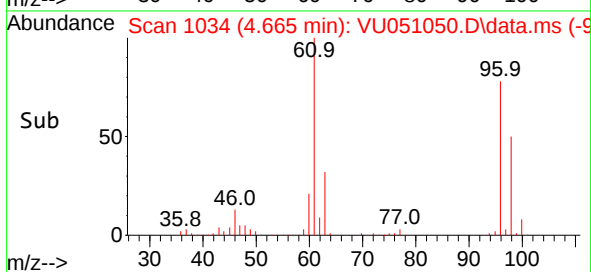
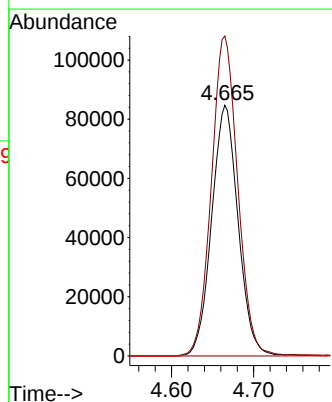
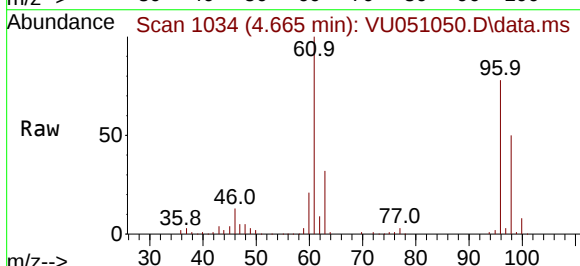
Tgt Ion: 96 Resp: 189562

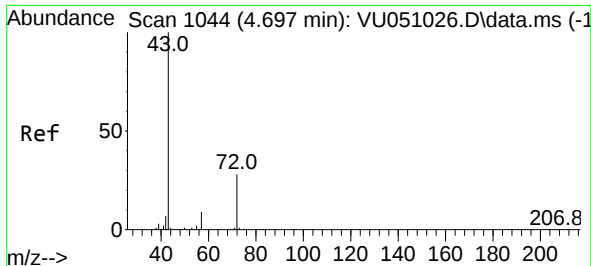
Ion Ratio Lower Upper

96 100

61 127.7 85.4 158.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.370 ug/L

RT: 4.700 min Scan# 110

Delta R.T. 0.003 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

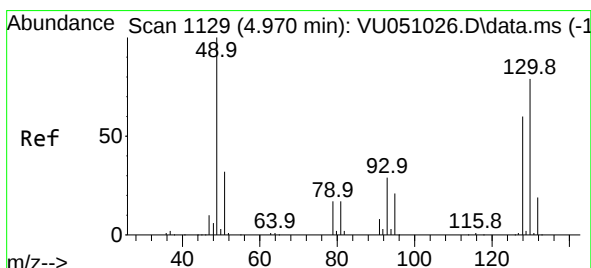
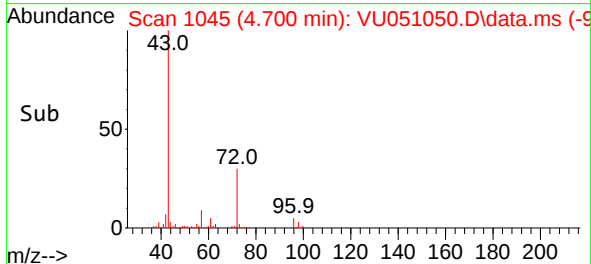
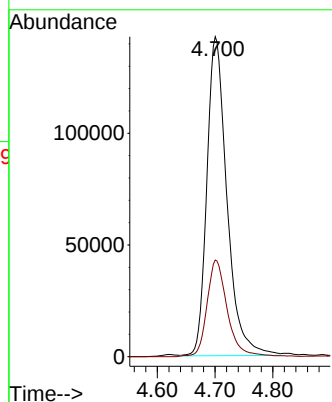
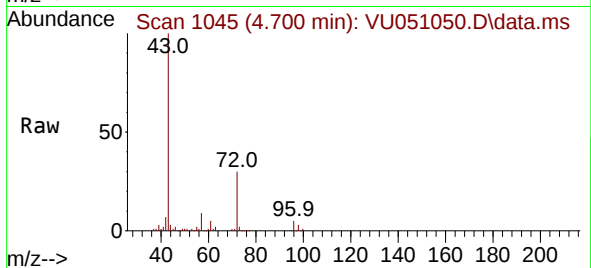
E10042MS

Tgt Ion: 43 Resp: 345321

Ion Ratio Lower Upper

43 100

72 30.6 15.8 47.4



#23

Bromochloromethane

Concen: 48.588 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Tgt Ion:128 Resp: 100011

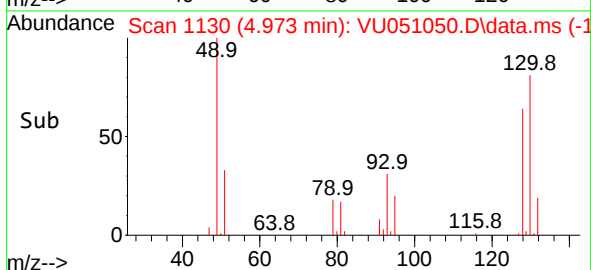
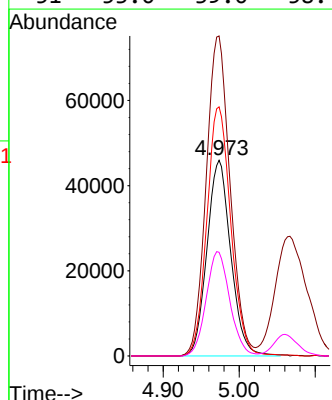
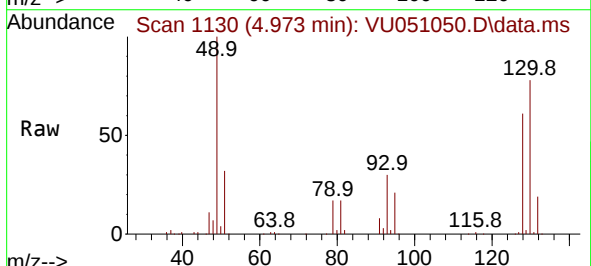
Ion Ratio Lower Upper

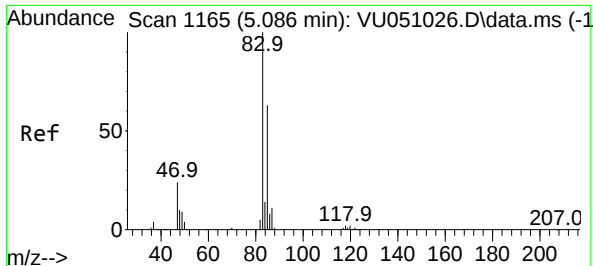
128 100

49 163.5 106.9 198.5

130 127.3 86.2 160.0

51 53.0 39.0 58.4





#25

Chloroform

Concen: 50.224 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

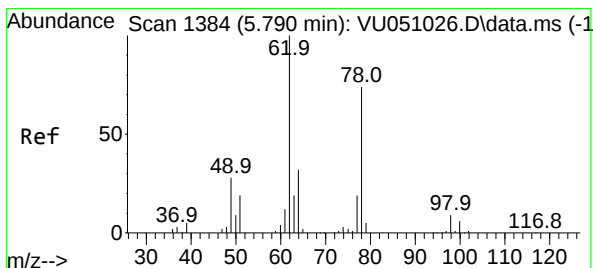
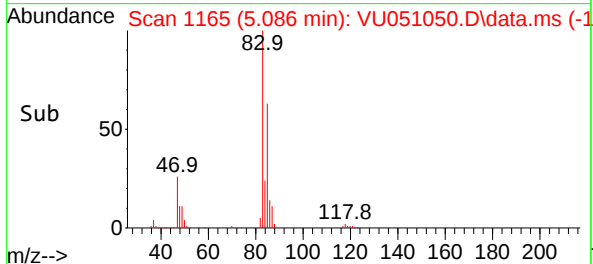
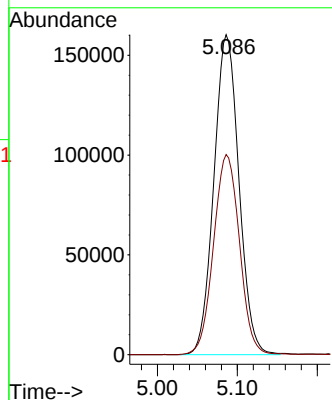
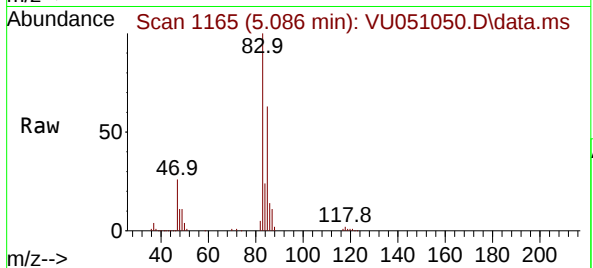
E10042MS

Tgt Ion: 83 Resp: 349147

Ion Ratio Lower Upper

83 100

85 62.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 51.537 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051050.D

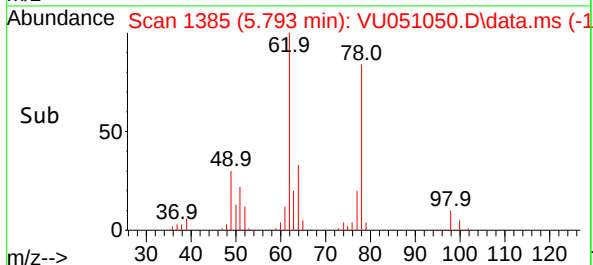
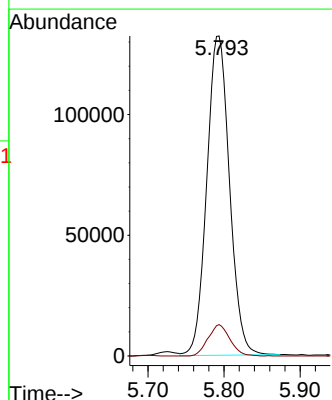
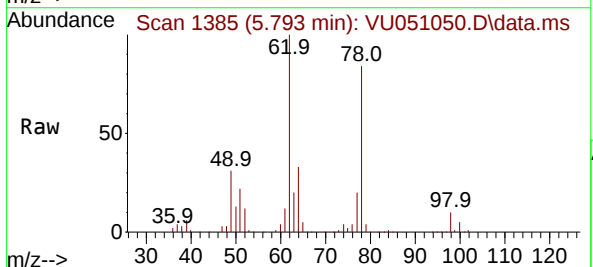
Acq: 30 Sep 2022 21:36

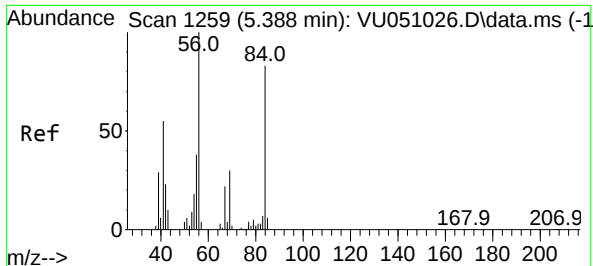
Tgt Ion: 62 Resp: 274447

Ion Ratio Lower Upper

62 100

98 9.8 7.3 10.9





#29

Cyclohexane

Concen: 55.797 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

E10042MS

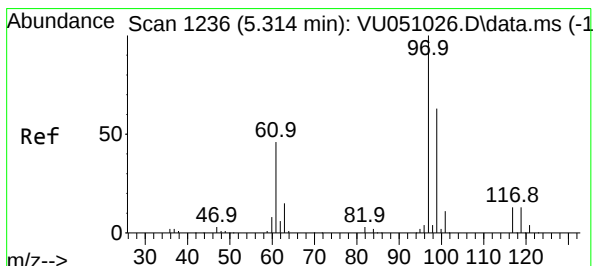
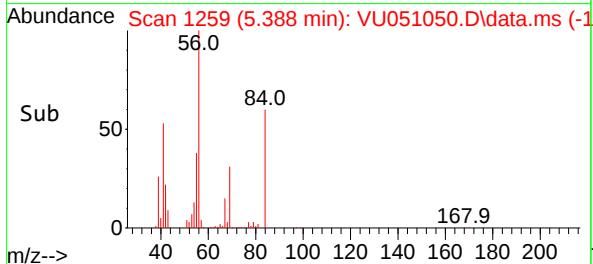
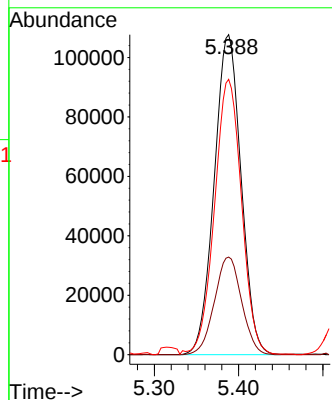
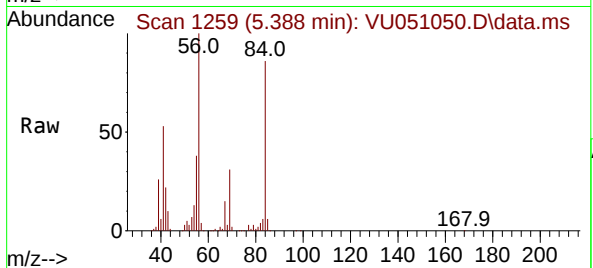
Tgt Ion: 56 Resp: 238250

Ion Ratio Lower Upper

56 100

69 30.9 24.8 37.2

84 86.0 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 51.919 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

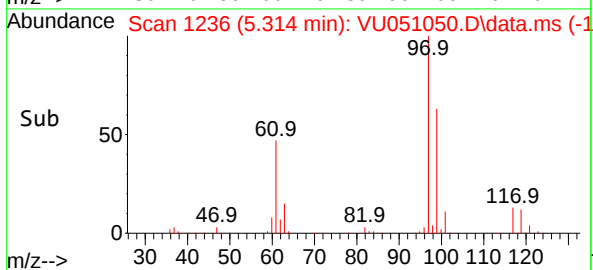
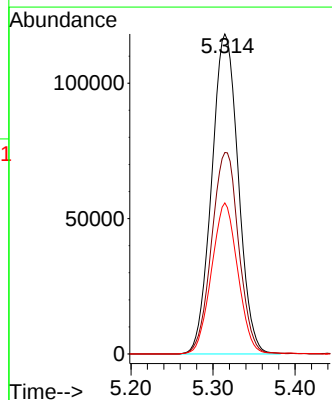
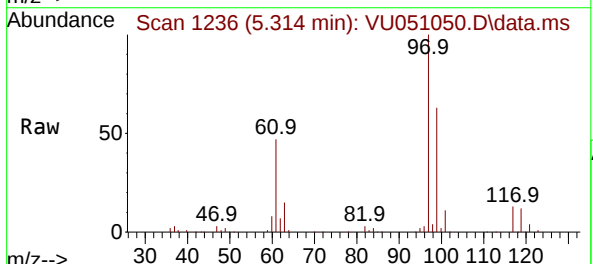
Tgt Ion: 97 Resp: 267018

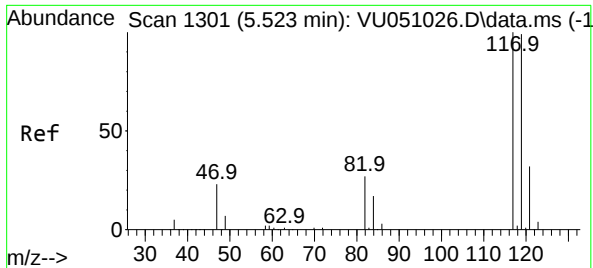
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 46.6 36.0 54.0

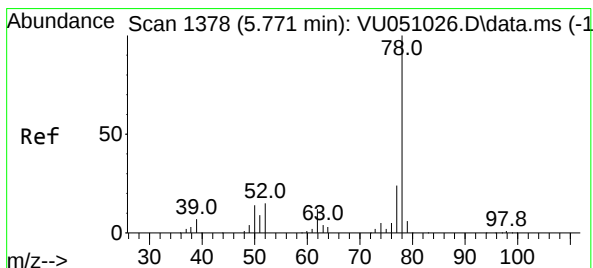
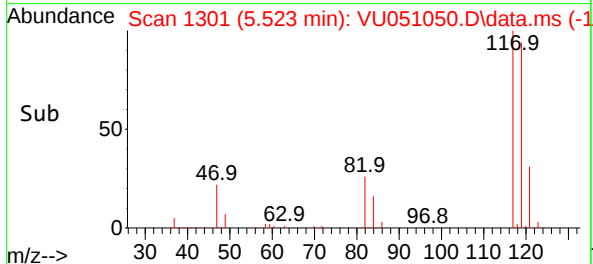
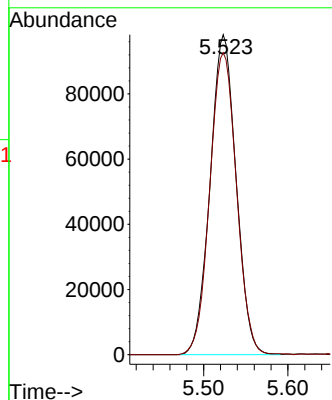
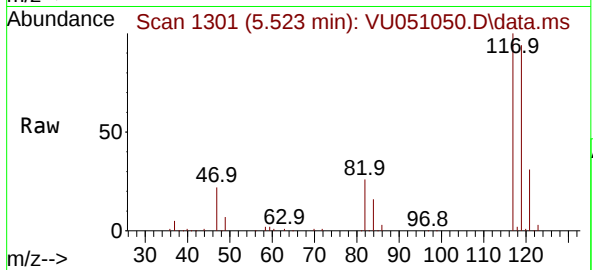




#31
Carbon tetrachloride
Concen: 50.070 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

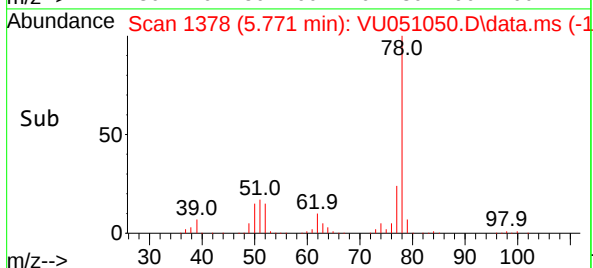
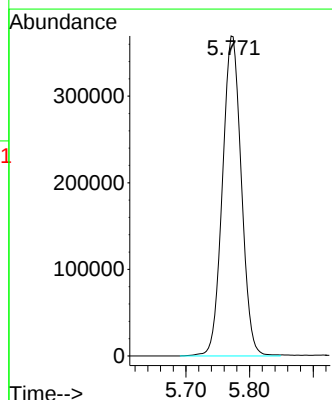
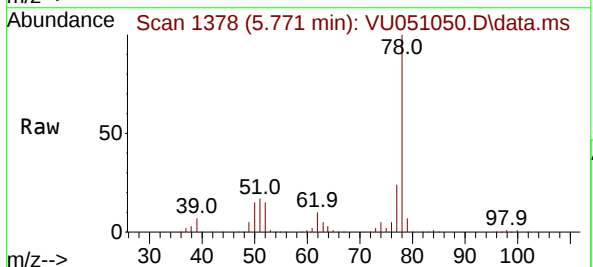
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

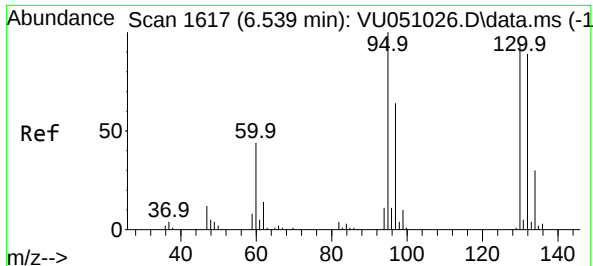
Tgt Ion:117 Resp: 210102
Ion Ratio Lower Upper
117 100
119 96.9 75.7 113.5



#33
Benzene
Concen: 57.052 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion: 78 Resp: 762755





#34

Trichloroethene

Concen: 52.691 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

E10042MS

Tgt Ion: 95 Resp: 182457

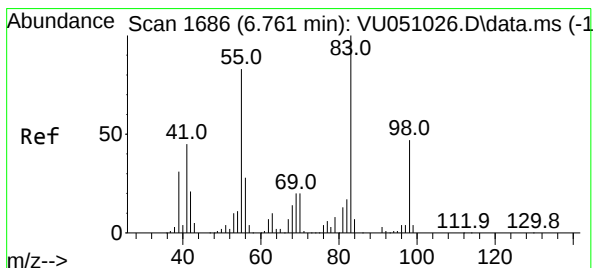
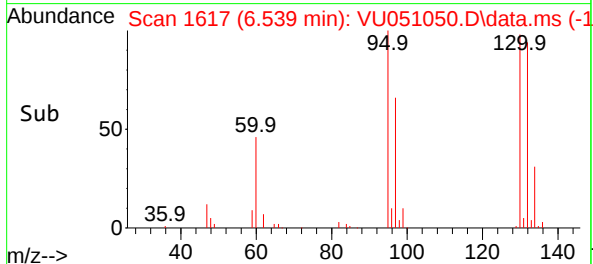
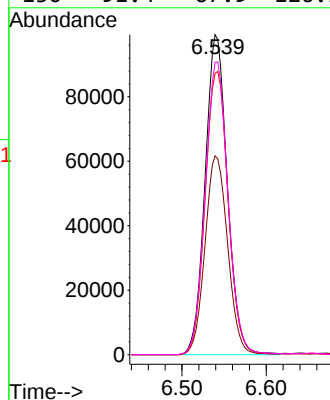
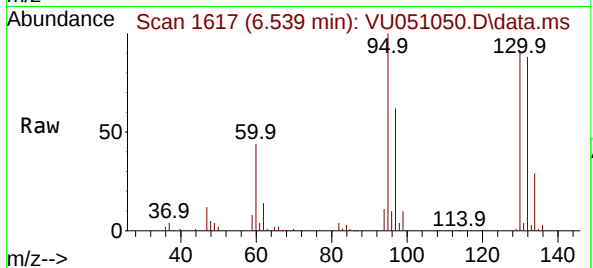
Ion Ratio Lower Upper

95 100

97 62.2 45.9 85.3

132 87.9 64.0 119.0

130 91.4 67.9 126.1



#35

Methylcyclohexane

Concen: 51.740 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

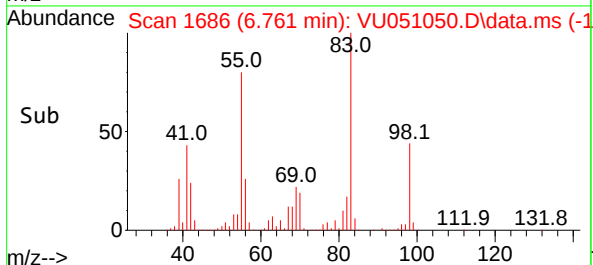
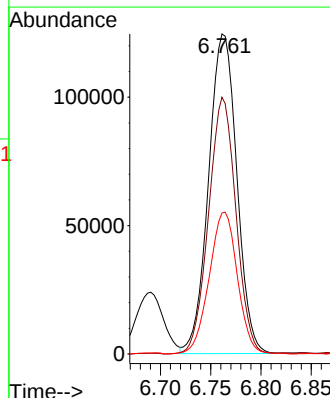
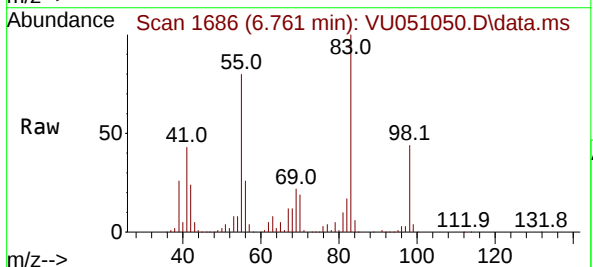
Tgt Ion: 83 Resp: 243853

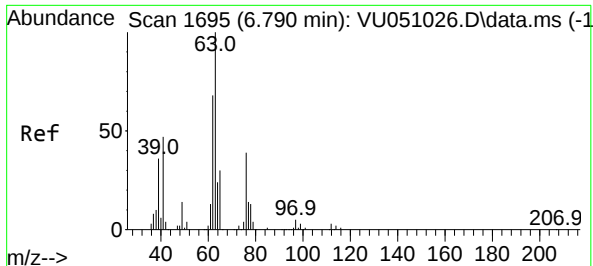
Ion Ratio Lower Upper

83 100

55 77.7 59.3 88.9

98 44.2 36.0 54.0





#37

1,2-Dichloropropane

Concen: 57.759 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

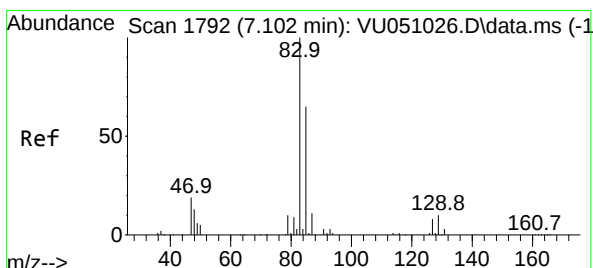
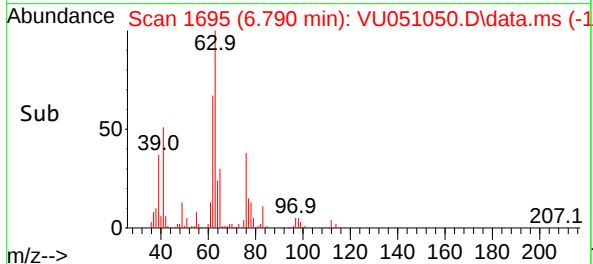
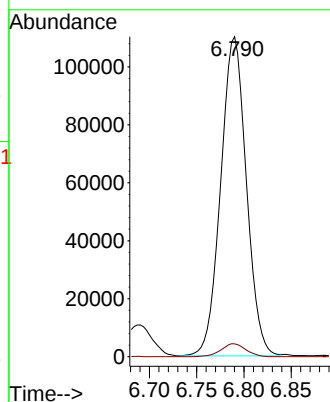
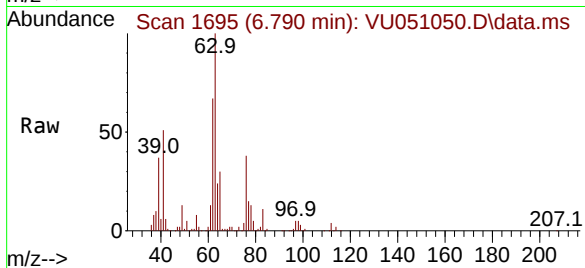
E10042MS

Tgt Ion: 63 Resp: 207947

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 54.104 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

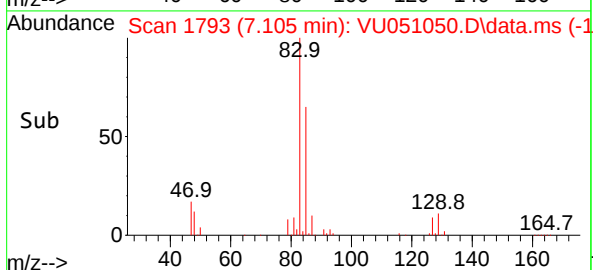
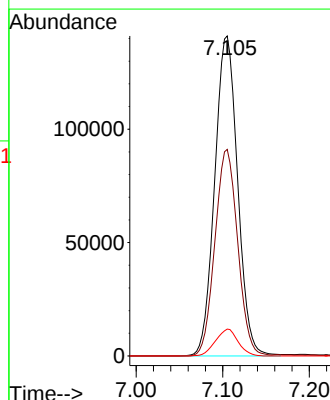
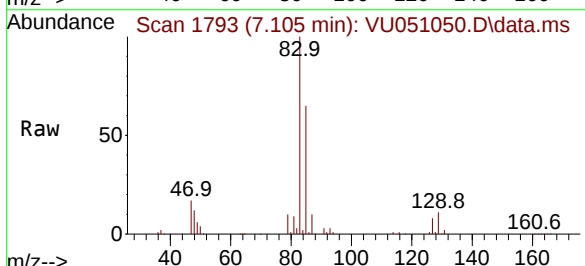
Tgt Ion: 83 Resp: 259953

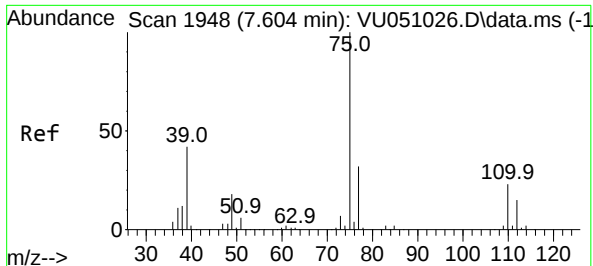
Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7

127 8.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 55.999 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

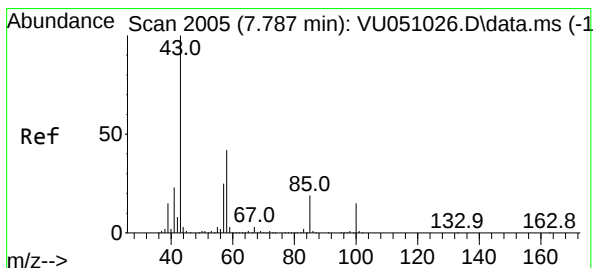
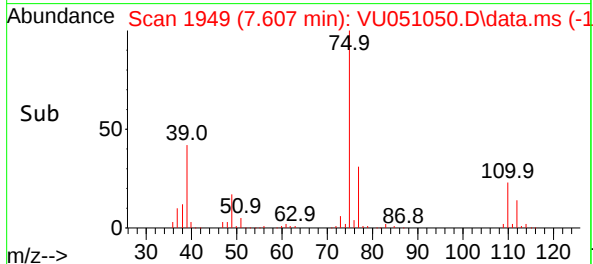
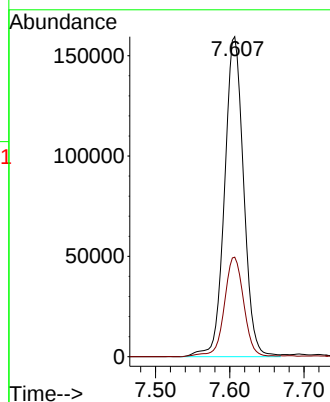
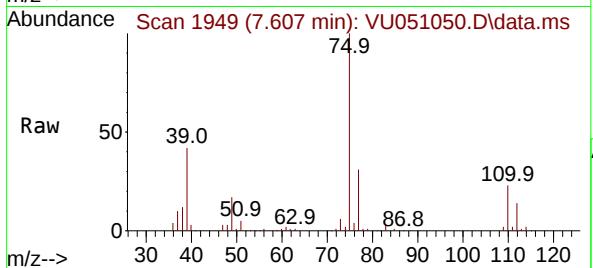
E10042MS

Tgt Ion: 75 Resp: 285522

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 123.220 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

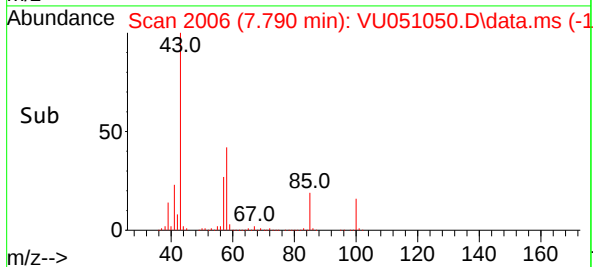
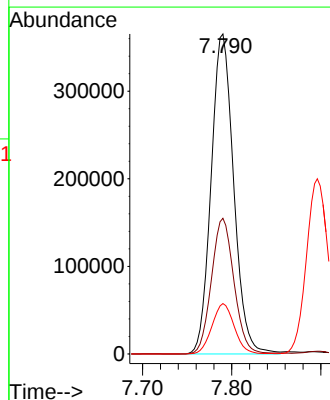
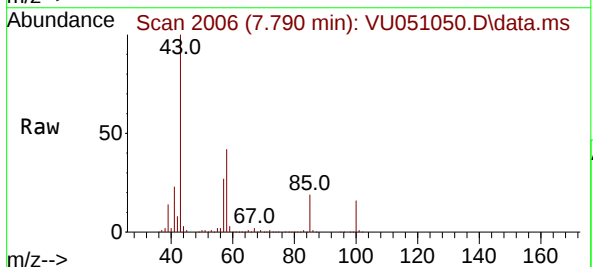
Tgt Ion: 43 Resp: 642452

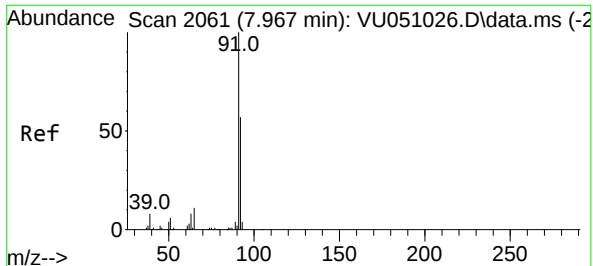
Ion Ratio Lower Upper

43 100

58 42.3 35.0 52.4

100 15.6 13.3 19.9





#42

Toluene

Concen: 55.325 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

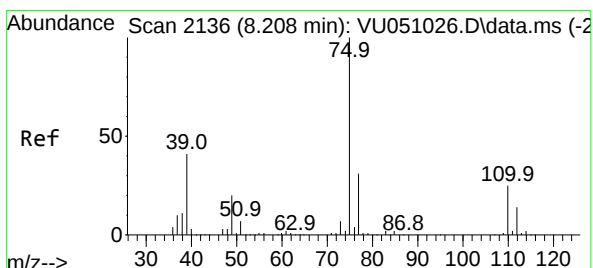
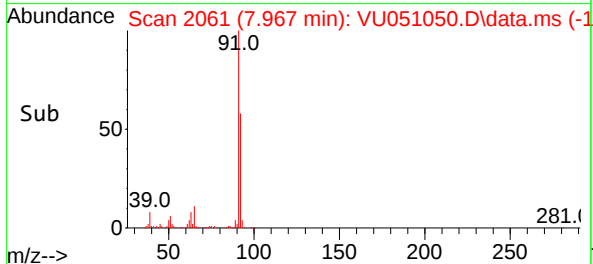
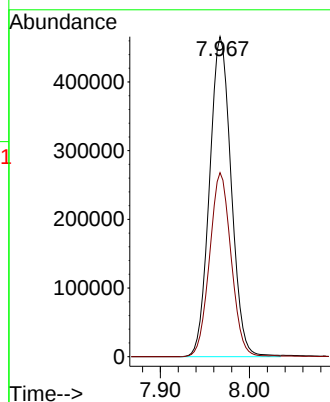
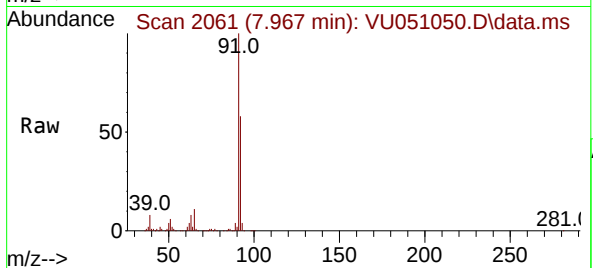
E10042MS

Tgt Ion: 91 Resp: 786750

Ion Ratio Lower Upper

91 100

92 57.5 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 54.515 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051050.D

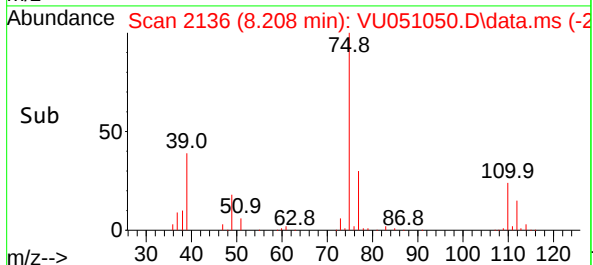
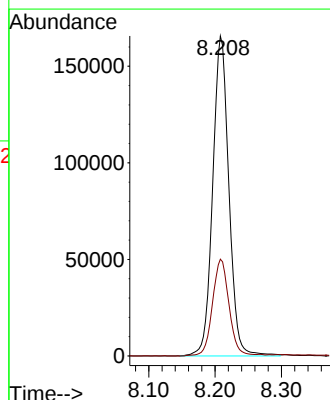
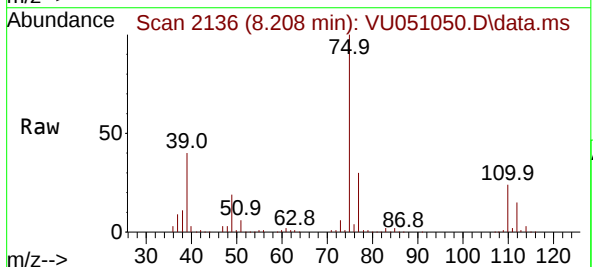
Acq: 30 Sep 2022 21:36

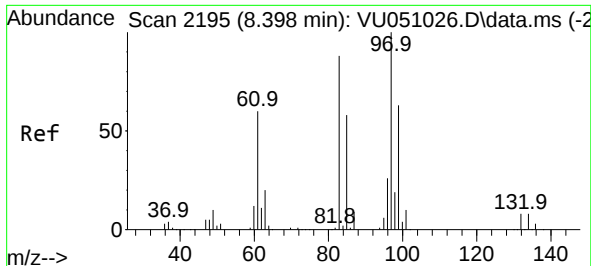
Tgt Ion: 75 Resp: 281045

Ion Ratio Lower Upper

75 100

77 30.3 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 52.569 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

E10042MS

Tgt Ion: 97 Resp: 205005

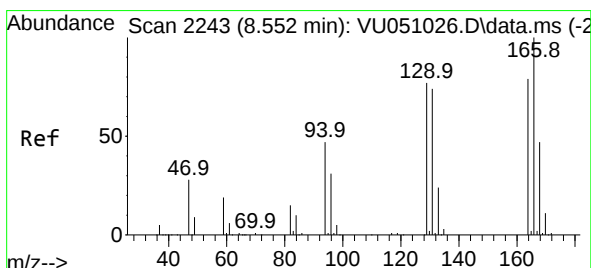
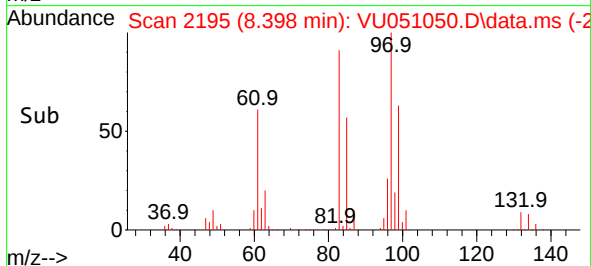
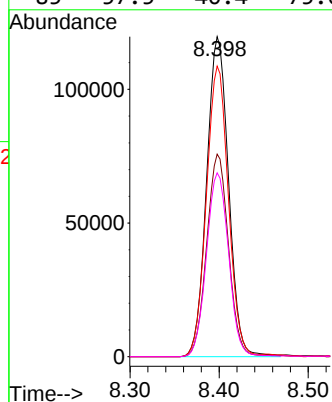
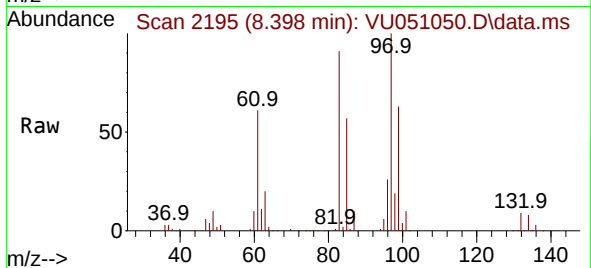
Ion Ratio Lower Upper

97 100

99 63.3 44.4 82.4

83 90.8 61.7 114.5

85 57.5 40.4 75.0



#46

Tetrachloroethene

Concen: 46.203 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Tgt Ion:164 Resp: 121247

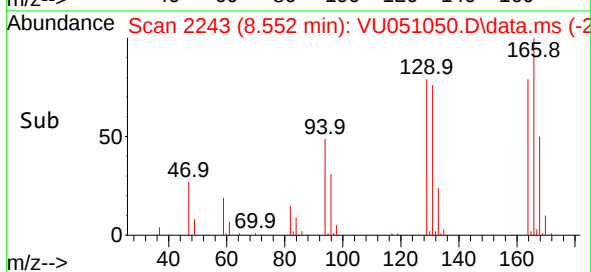
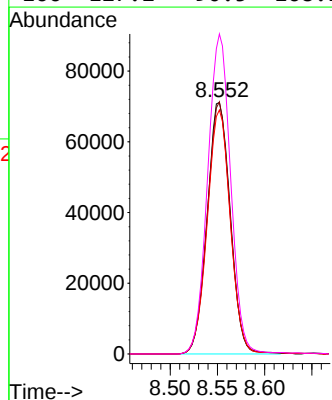
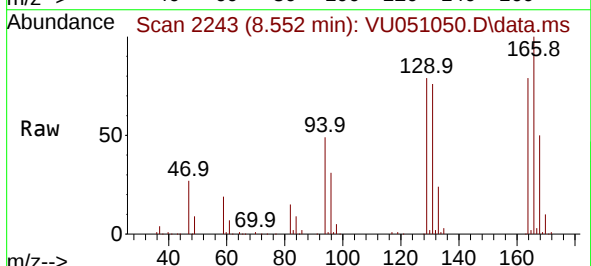
Ion Ratio Lower Upper

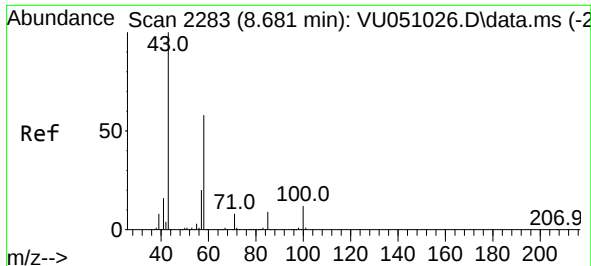
164 100

129 100.2 68.1 126.5

131 97.0 67.8 126.0

166 127.2 90.5 168.1

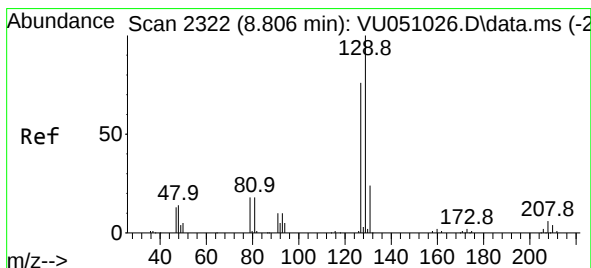
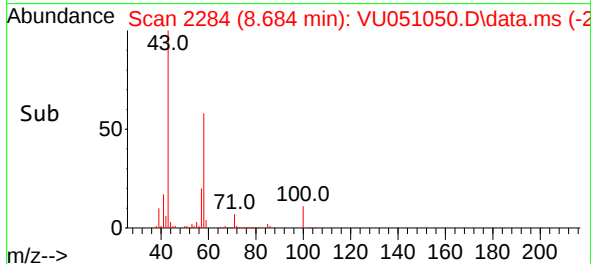
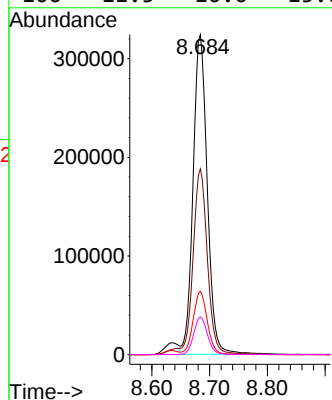
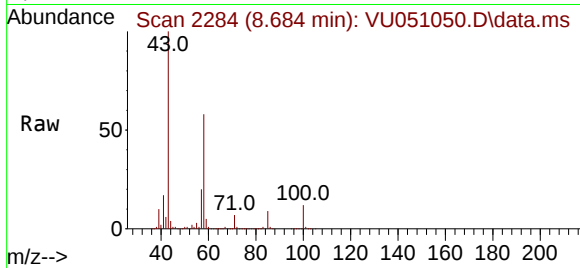




#48
2-Hexanone
Concen: 116.856 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

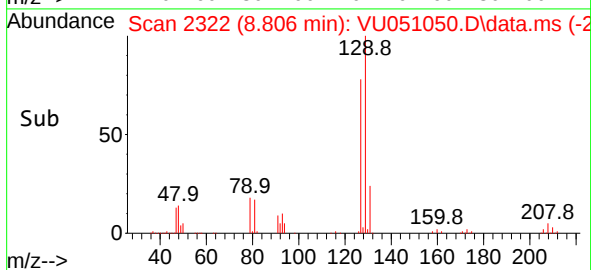
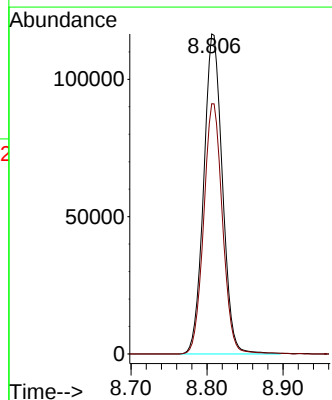
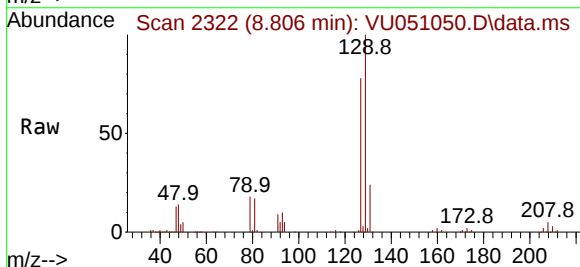
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

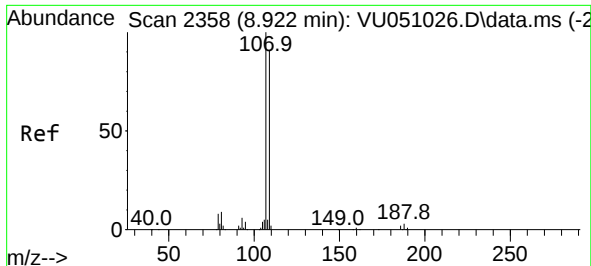
Tgt Ion: 43 Resp: 553399
Ion Ratio Lower Upper
43 100
58 59.8 48.3 72.5
57 19.6 15.9 23.9
100 11.5 10.0 15.0



#49
Dibromochloromethane
Concen: 48.551 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion: 129 Resp: 199062
Ion Ratio Lower Upper
129 100
127 78.2 52.8 98.0





#50

1,2-Dibromoethane

Concen: 50.675 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

E10042MS

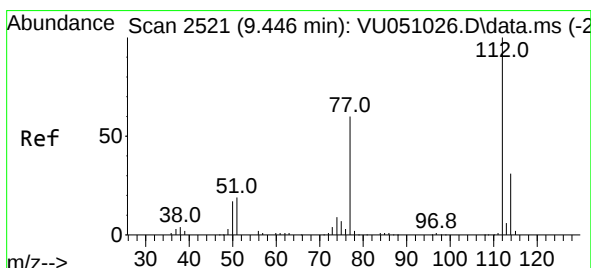
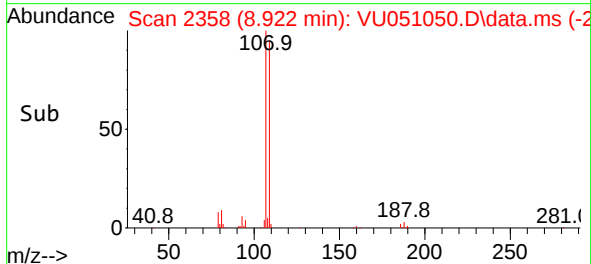
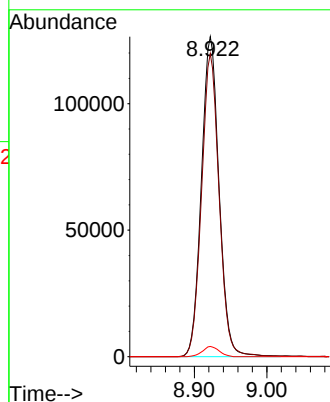
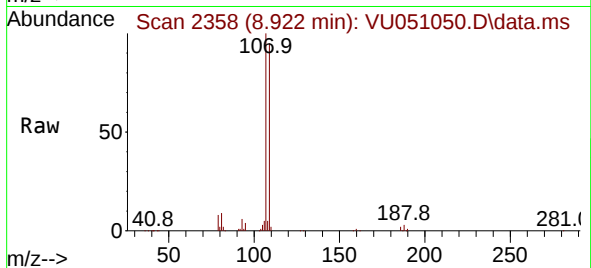
Tgt Ion:107 Resp: 214259

Ion Ratio Lower Upper

107 100

109 94.7 64.1 119.1

188 3.2 2.9 4.3



#51

Chlorobenzene

Concen: 49.037 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

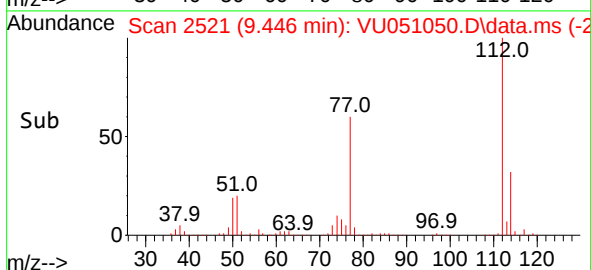
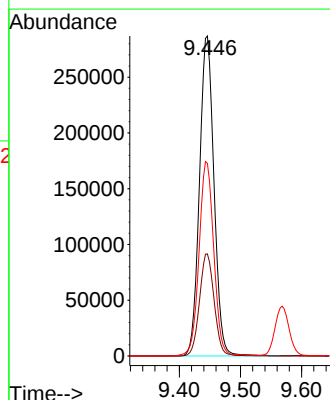
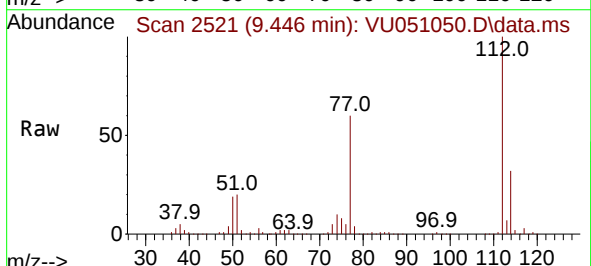
Tgt Ion:112 Resp: 474222

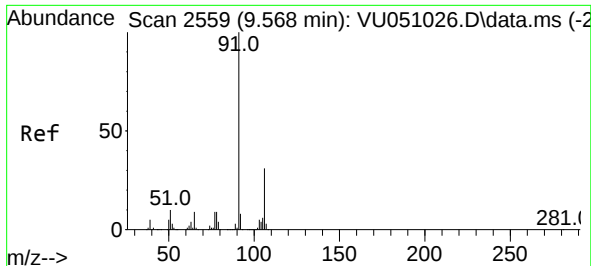
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 60.2 48.2 72.2

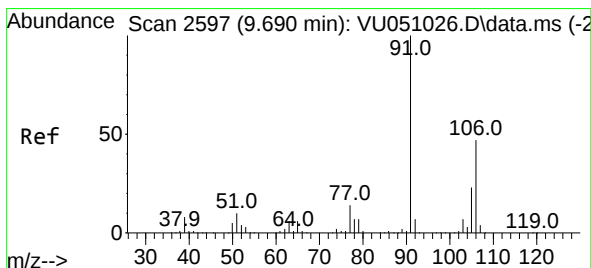
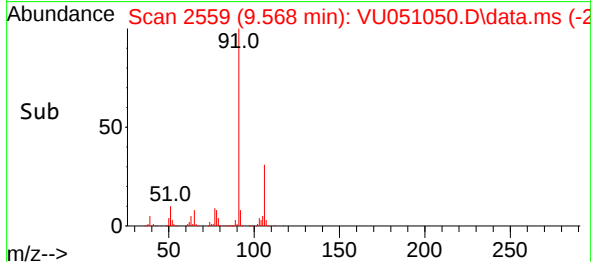
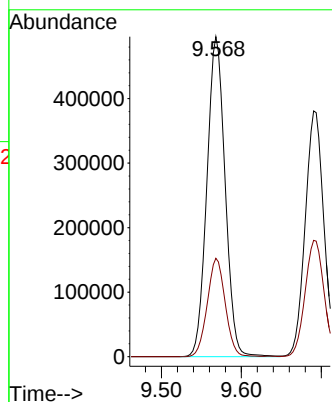
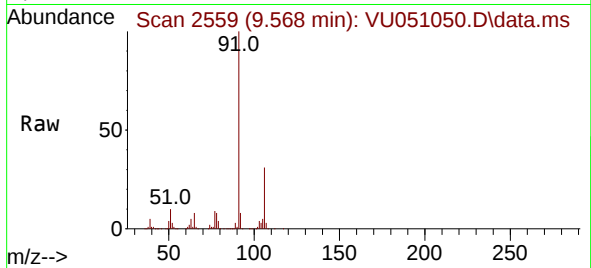




#52
Ethylbenzene
Concen: 51.813 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

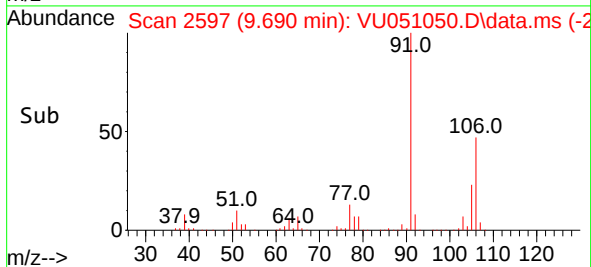
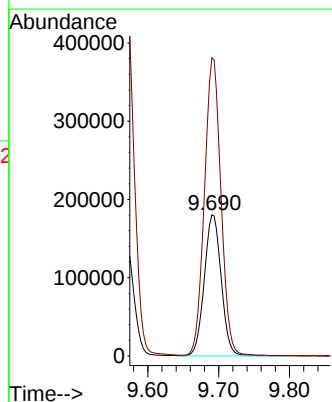
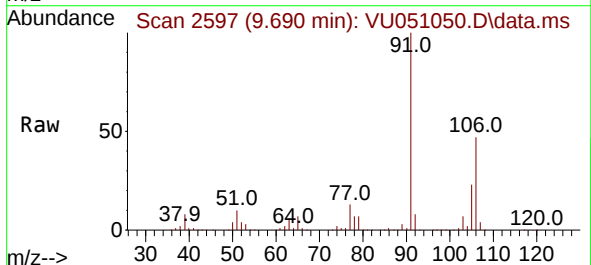
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

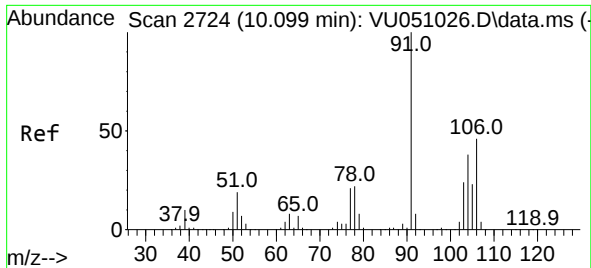
Tgt Ion: 91 Resp: 785923
Ion Ratio Lower Upper
91 100
106 30.8 21.7 40.3



#53
m,p-Xylene
Concen: 52.345 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion: 106 Resp: 298578
Ion Ratio Lower Upper
106 100
91 211.3 141.9 263.5

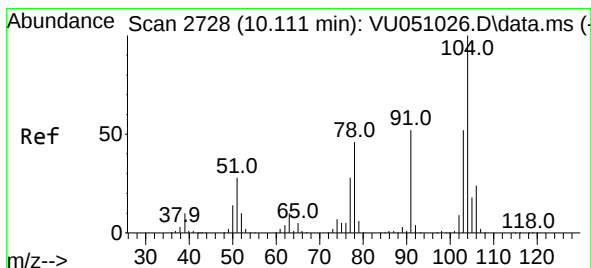
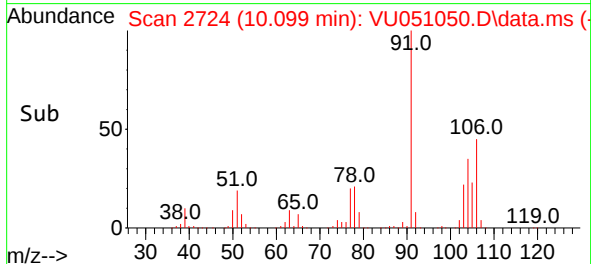
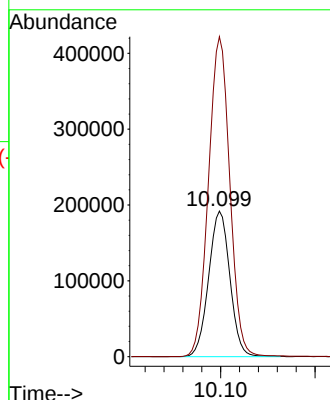
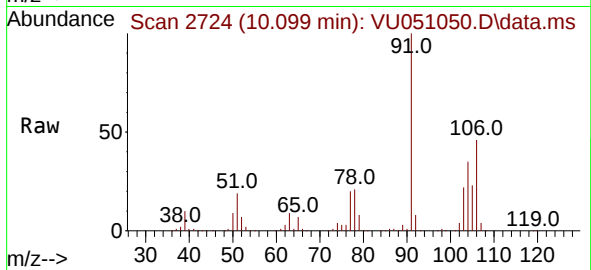




#54
o-Xylene
Concen: 52.596 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

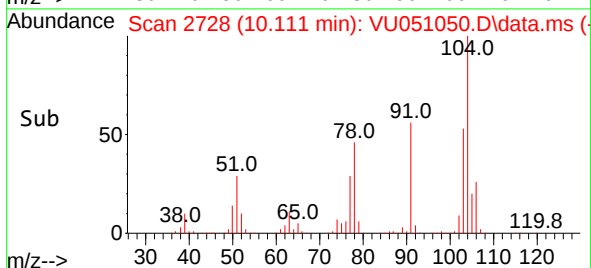
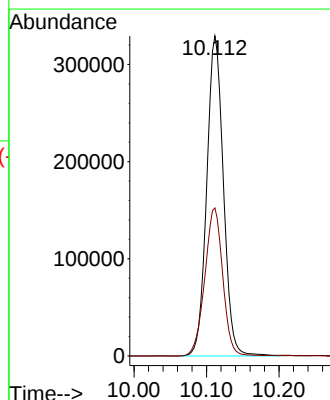
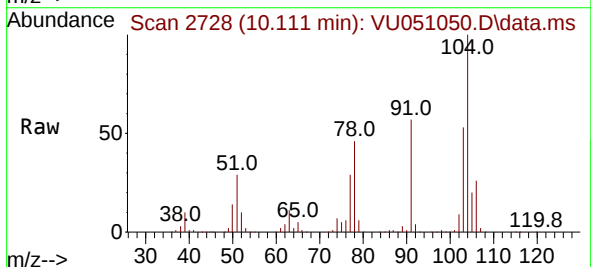
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

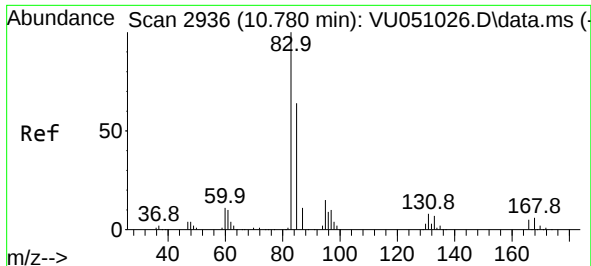
Tgt Ion:106 Resp: 299869
Ion Ratio Lower Upper
106 100
91 219.7 152.4 283.0



#55
Styrene
Concen: 53.374 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion:104 Resp: 525943
Ion Ratio Lower Upper
104 100
78 46.2 31.0 57.6

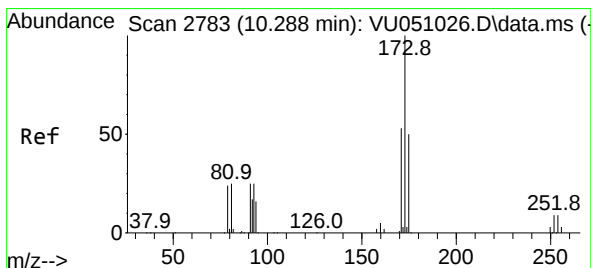
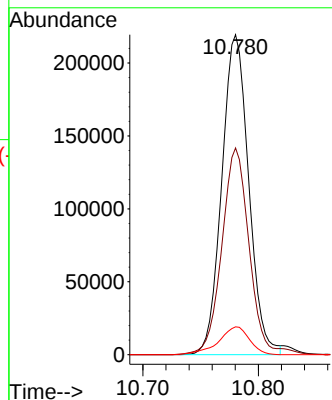
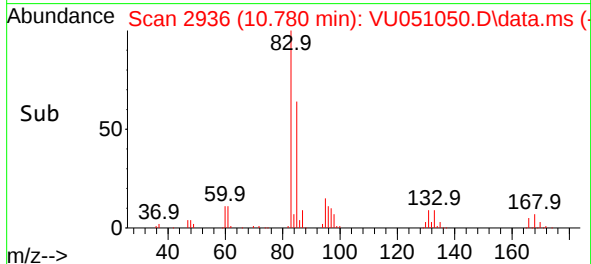
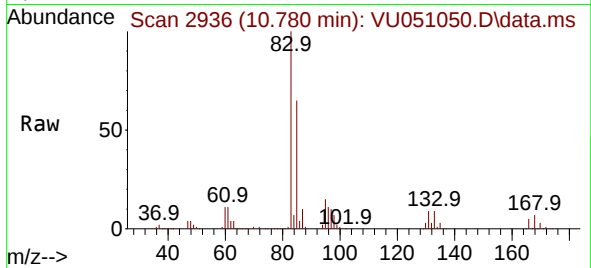




#57
1,1,2,2-Tetrachloroethane
Concen: 51.523 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

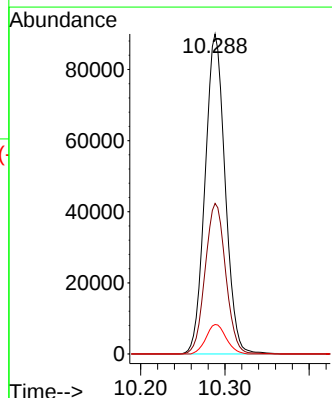
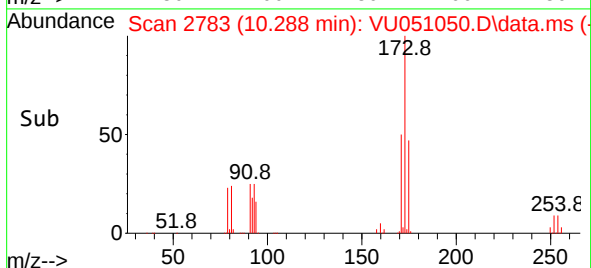
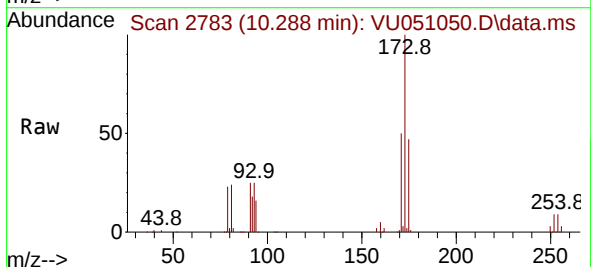
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

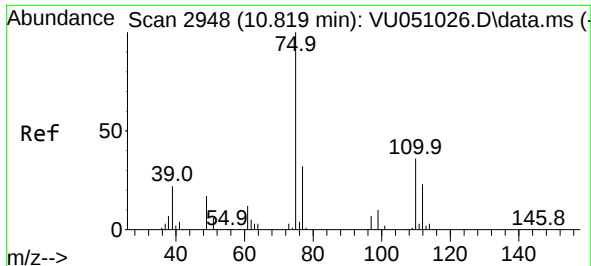
Tgt Ion: 83 Resp: 355599
Ion Ratio Lower Upper
83 100
85 64.6 44.7 83.1
131 8.7 7.0 10.4



#59
Bromoform
Concen: 46.884 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion:173 Resp: 149007
Ion Ratio Lower Upper
173 100
175 48.2 39.4 59.0
254 9.2 7.4 11.0

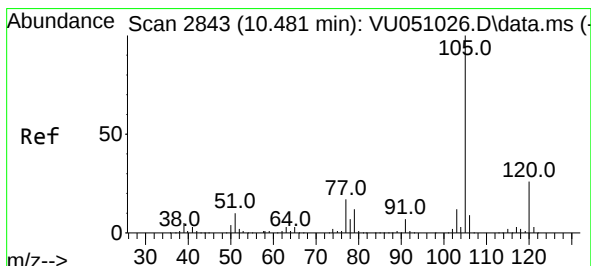
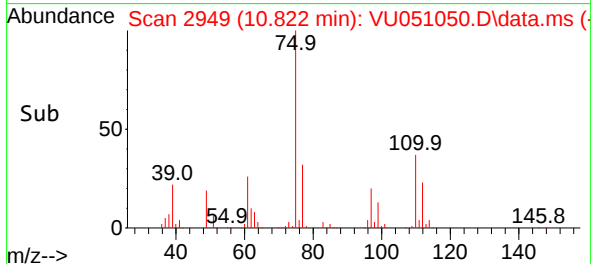
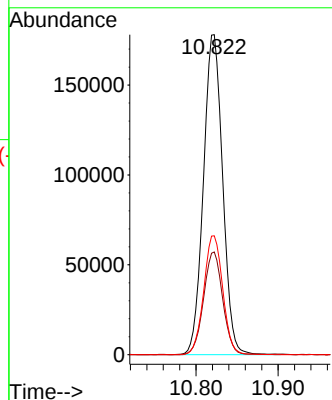
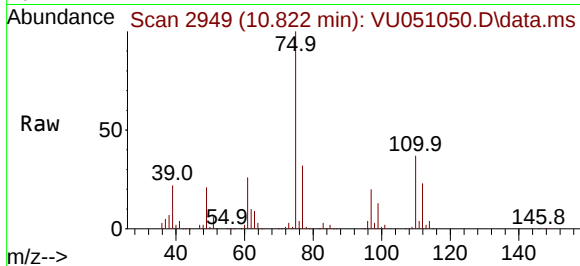




#60
1,2,3-Trichloropropane
Concen: 51.055 ug/L
RT: 10.822 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

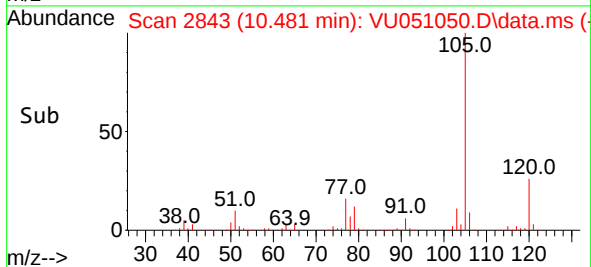
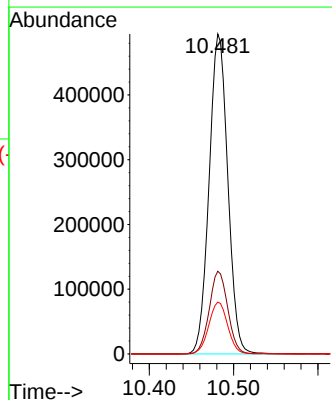
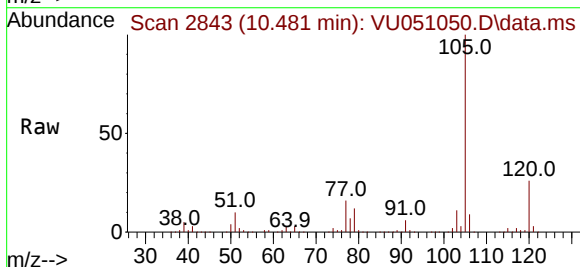
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

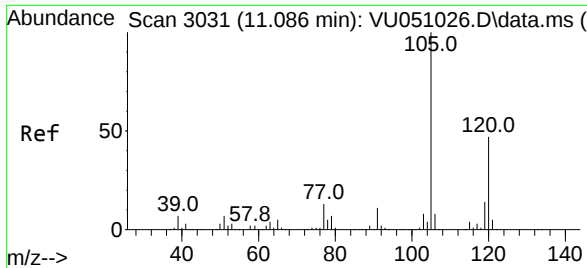
Tgt Ion: 75 Resp: 290217
Ion Ratio Lower Upper
75 100
77 32.1 26.1 39.1
110 36.7 30.0 45.0



#61
Isopropylbenzene
Concen: 54.271 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion: 105 Resp: 761528
Ion Ratio Lower Upper
105 100
120 25.6 21.1 31.7
77 16.4 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 55.063 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051050.D

Acq: 30 Sep 2022 21:36

Instrument :

MSVOA_U

ClientSampleId :

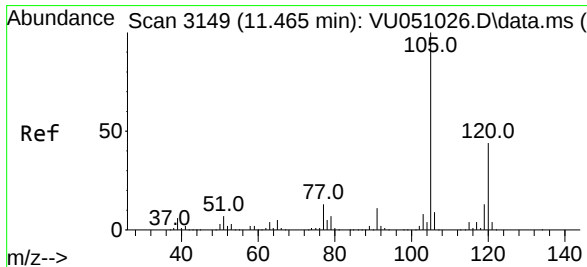
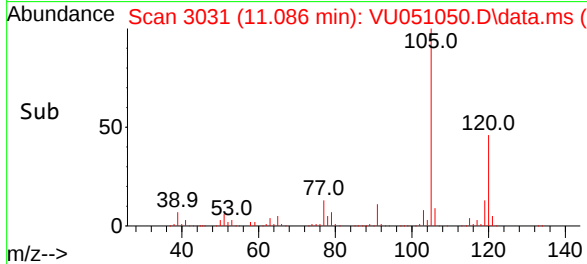
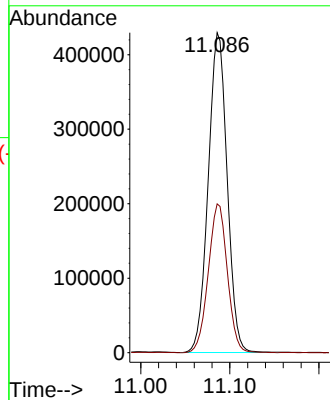
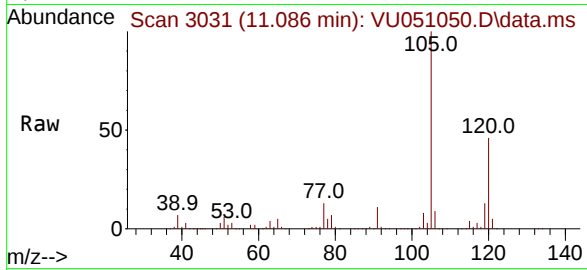
E10042MS

Tgt Ion:105 Resp: 631793

Ion Ratio Lower Upper

105 100

120 46.9 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 55.351 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU051050.D

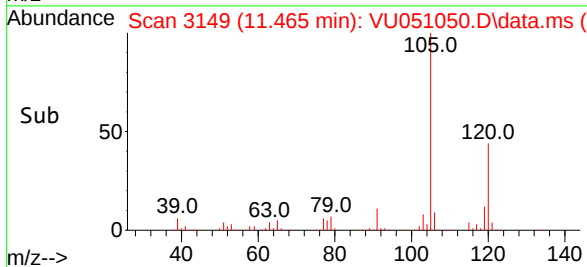
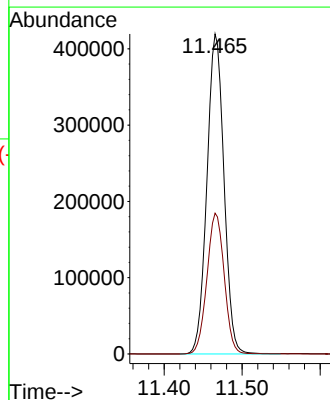
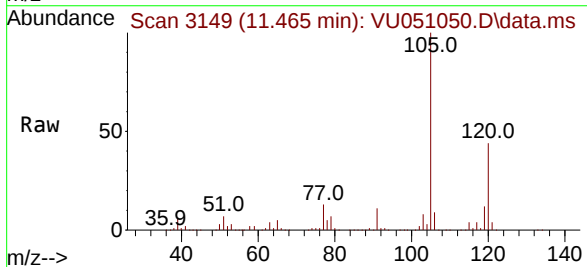
Acq: 30 Sep 2022 21:36

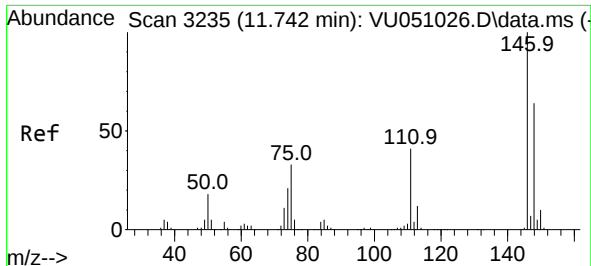
Tgt Ion:105 Resp: 636536

Ion Ratio Lower Upper

105 100

120 44.6 35.5 53.3

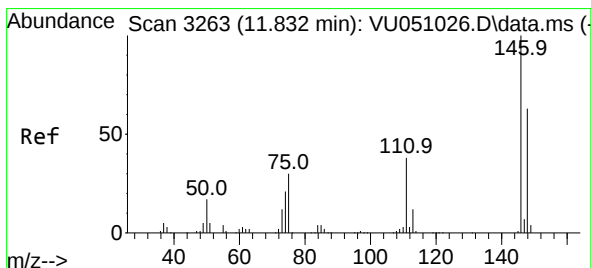
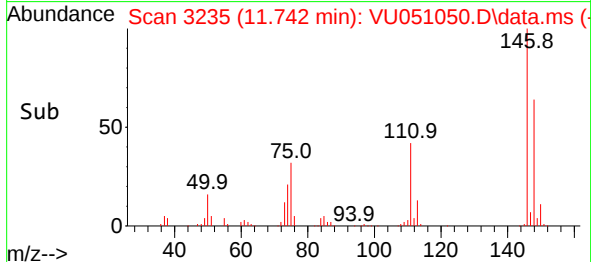
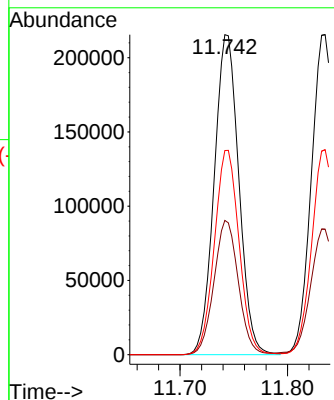
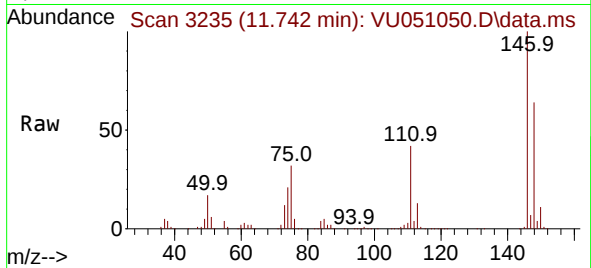




#64
1,3-Dichlorobenzene
Concen: 47.482 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

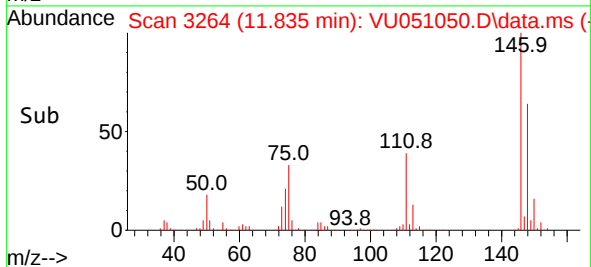
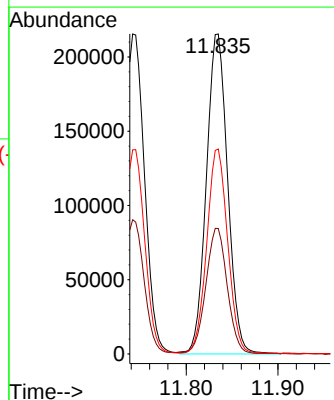
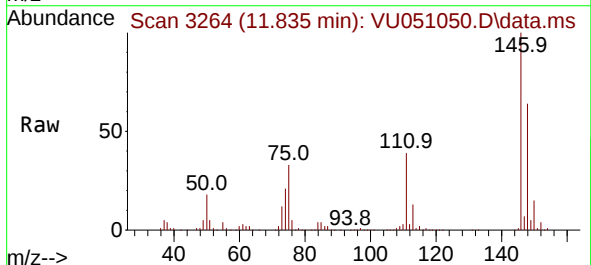
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

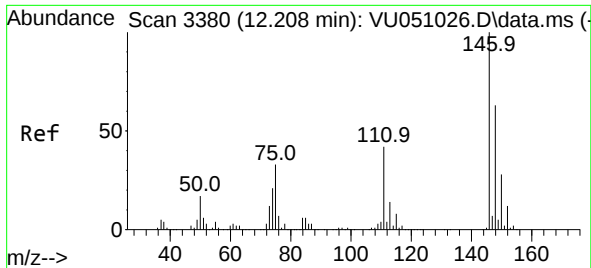
Tgt Ion:146 Resp: 343473
Ion Ratio Lower Upper
146 100
111 42.0 28.2 52.4
148 63.8 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 47.935 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion:146 Resp: 346621
Ion Ratio Lower Upper
146 100
111 39.2 27.0 50.2
148 64.1 45.1 83.9

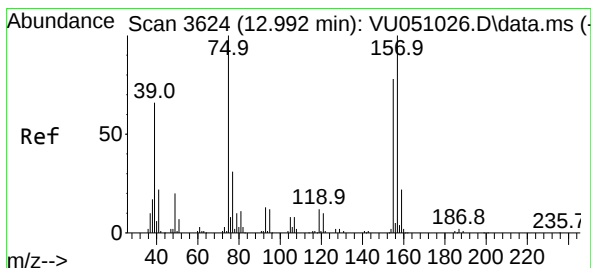
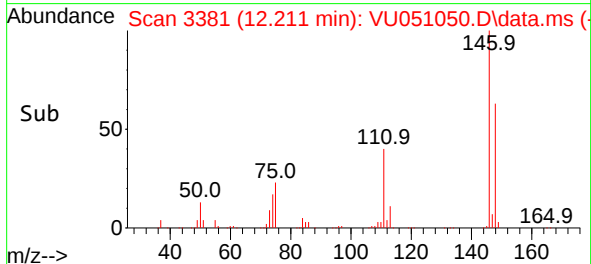
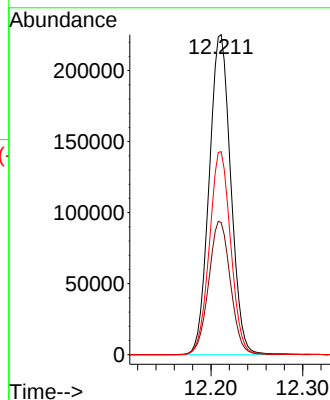
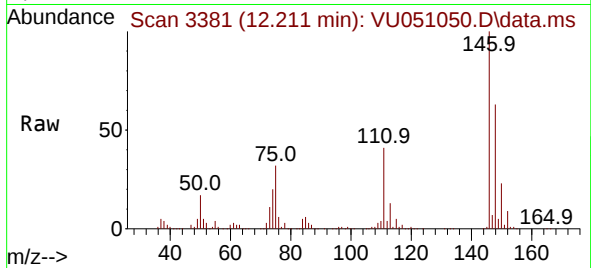




#67
1,2-Dichlorobenzene
Concen: 49.576 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

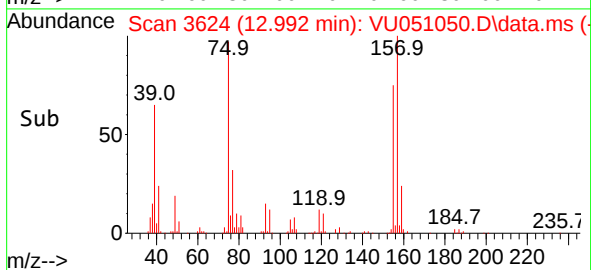
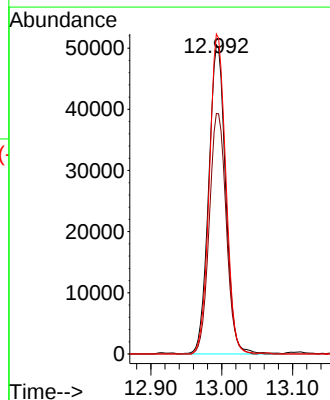
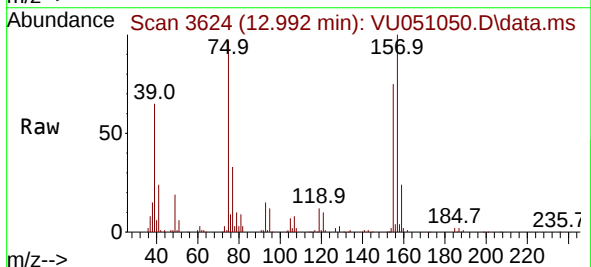
Instrument :
MSVOA_U
ClientSampleId :
E10042MS

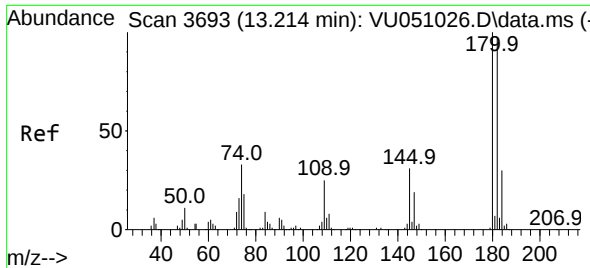
Tgt Ion:146 Resp: 368457
Ion Ratio Lower Upper
146 100
111 41.2 33.7 50.5
148 63.5 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 50.790 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion: 75 Resp: 84251
Ion Ratio Lower Upper
75 100
155 77.8 64.4 96.6
157 103.6 82.2 123.2

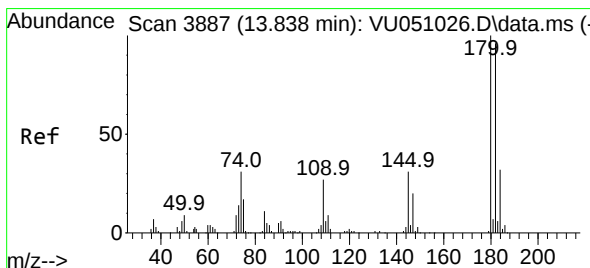
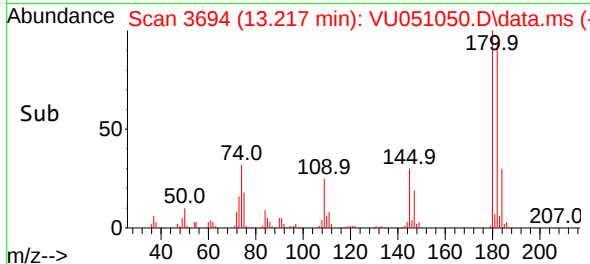
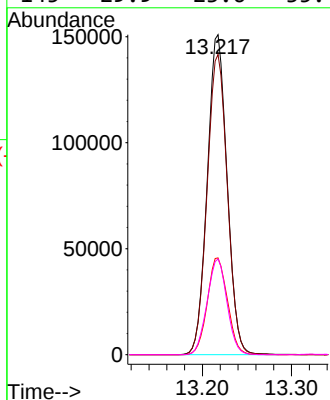
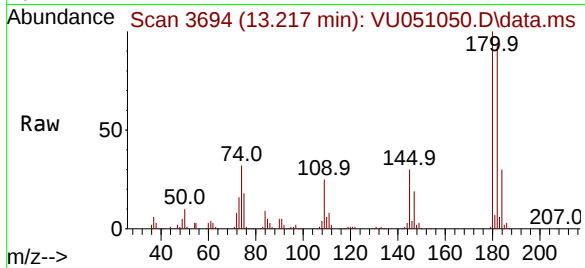




#69
 1,3,5-Trichlorobenzene
 Concen: 47.508 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.003 min
 Lab File: VU051050.D
 Acq: 30 Sep 2022 21:36

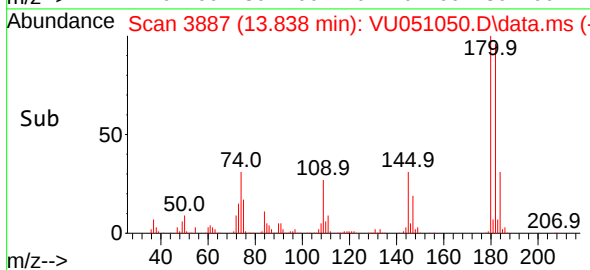
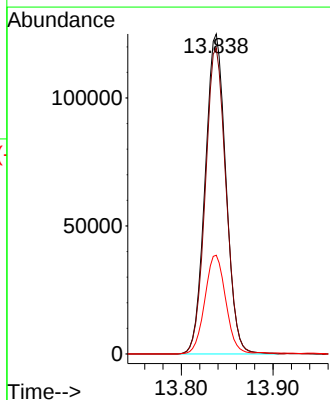
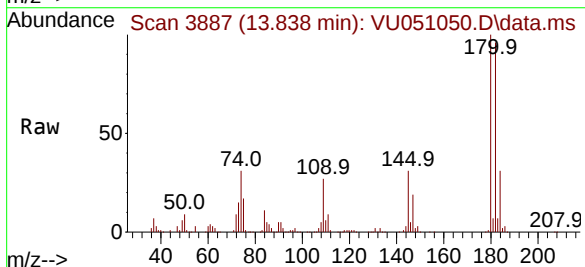
Instrument :
 MSVOA_U
 ClientSampleId :
 E10042MS

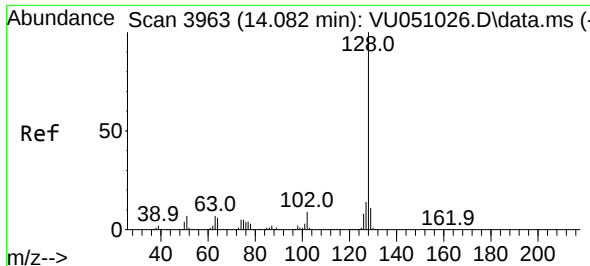
Tgt Ion:	180	Resp:	233048
Ion Ratio	Lower	Upper	
180	100		
182	95.8	77.0	115.4
184	30.8	24.4	36.6
145	29.9	23.6	35.4



#70
 1,2,4-trichlorobenzene
 Concen: 48.956 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051050.D
 Acq: 30 Sep 2022 21:36

Tgt Ion:	180	Resp:	196490
Ion Ratio	Lower	Upper	
180	100		
182	95.3	75.9	113.9
145	31.1	24.0	36.0

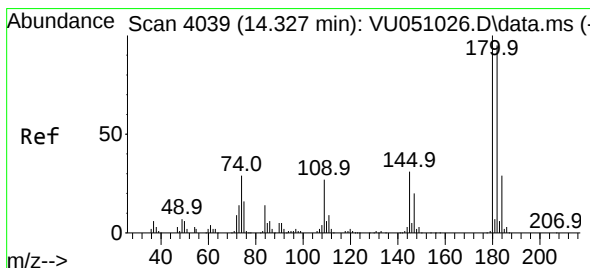
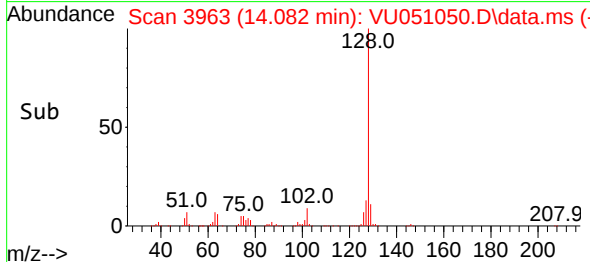
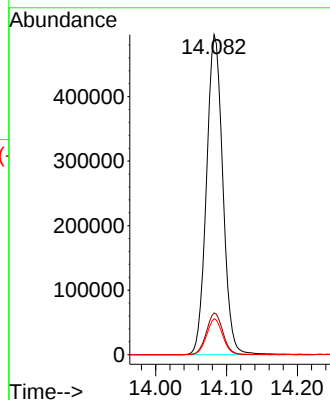
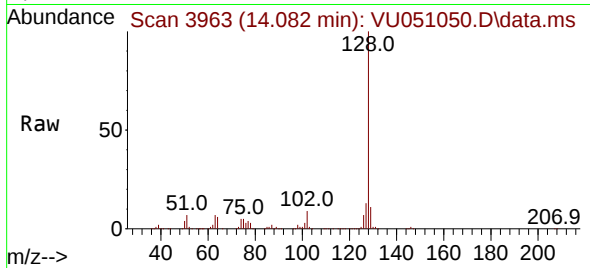




#71
Naphthalene
Concen: 55.225 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Instrument :
MSVOA_U
ClientSampleId :
E10042MS

Tgt Ion:128 Resp: 793320
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.1 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 50.623 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU051050.D
Acq: 30 Sep 2022 21:36

Tgt Ion:180 Resp: 226721
Ion Ratio Lower Upper
180 100
182 96.8 76.0 114.0
145 35.0 26.1 39.1

