

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090622\
 Data File : U050640.D
 Acq On : 06 Sep 2022 17:44
 Operator : SY/MD
 Sample : N4481-06MS 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 07 01:40:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 07 01:37:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	244566	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	238709	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	118934	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	59931	28.650	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.300%#
7) Chloroethane-d5	1.903	69	49815	35.216	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.440%
11) 1,1-Dichloroethene-d2	2.565	63	143692	38.872	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.740%
21) 2-Butanone-d5	4.620	46	124301	81.220	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.220%
24) Chloroform-d	5.063	84	178221	44.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.900%
26) 1,2-Dichloroethane-d4	5.703	65	109896	45.362	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.720%
32) Benzene-d6	5.726	84	332778	42.185	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.360%
36) 1,2-Dichloropropane-d6	6.690	67	109583	42.310	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.620%
41) Toluene-d8	7.899	98	299686	44.425	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.840%
43) trans-1,3-Dichloroprop...	8.179	79	48188	44.967	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.940%
47) 2-Hexanone-d5	8.632	63	60214	92.427	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.430%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	180264	45.993	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.980%
66) 1,2-Dichlorobenzene-d4	12.192	152	119033	42.754	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118578	50.479	ug/L	99
3) Chloromethane	1.520	50	105921	41.731	ug/L	98
5) Vinyl chloride	1.604	62	96218	40.235	ug/L	97
6) Bromomethane	1.842	94	48994	40.624	ug/L	99
8) Chloroethane	1.925	64	53521	42.138	ug/L	98
9) Trichlorofluoromethane	2.134	101	145866	50.064	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	92307	48.297	ug/L	97
12) 1,1-Dichloroethene	2.578	96	87223	46.968	ug/L	90
13) Acetone	2.623	43	111164	96.290	ug/L	100
14) Carbon disulfide	2.790	76	253354	46.007	ug/L	99
15) Methyl Acetate	2.944	43	100740	41.261	ug/L	96
16) Methylene chloride	3.044	84	106679	43.771	ug/L	94
17) trans-1,2-Dichloroethene	3.353	96	92974	47.213	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	286362	46.900	ug/L	98
19) 1,1-Dichloroethane	3.867	63	171771	45.211	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	105529	47.495	ug/L	96
22) 2-Butanone	4.700	43	156692	86.778	ug/L	95
23) Bromochloromethane	4.970	128	55611	48.436	ug/L	90
25) Chloroform	5.086	83	190206	49.139	ug/L	100

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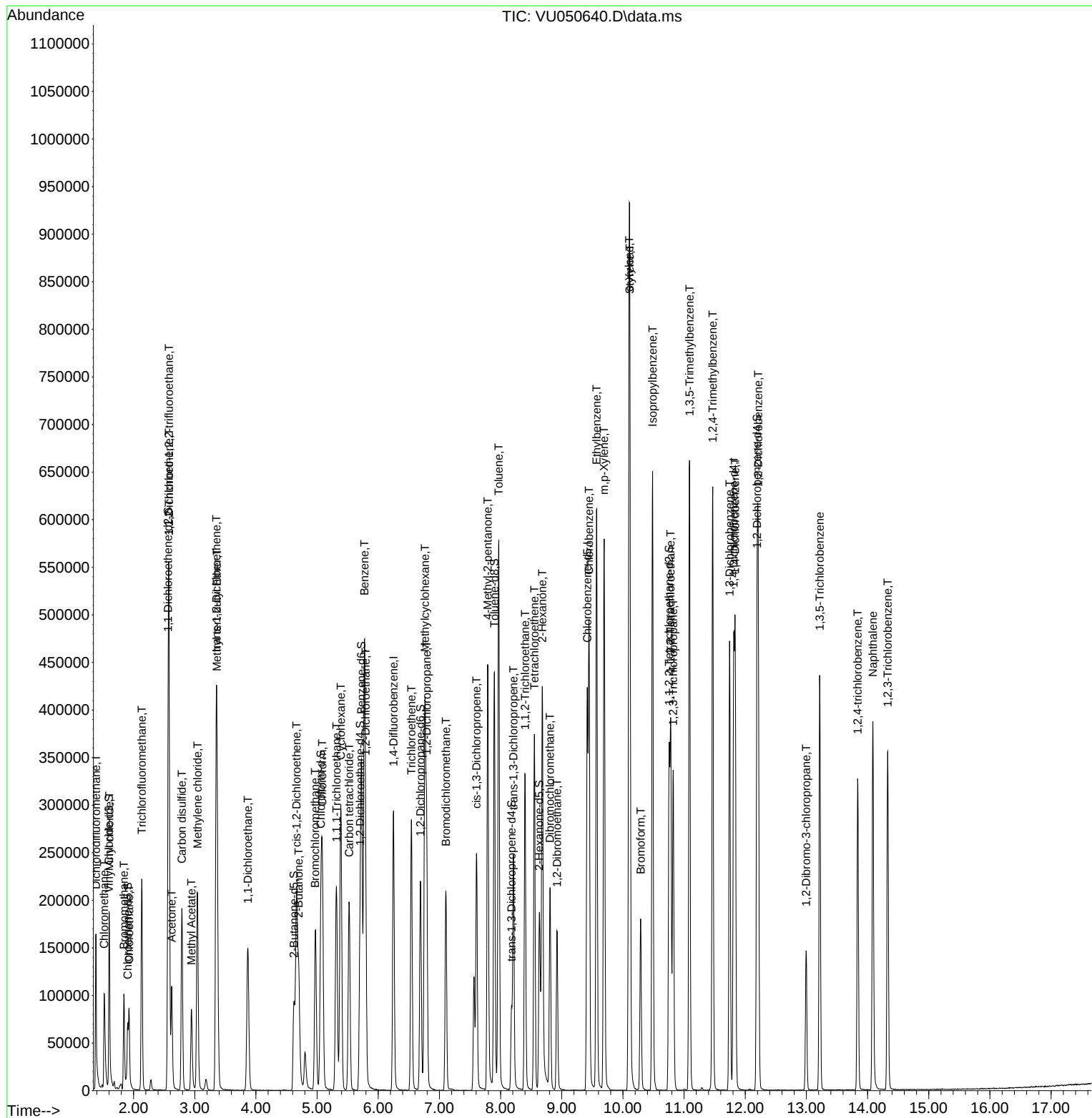
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	141380	49.280	ug/L	98
29) Cyclohexane	5.388	56	148526	46.460	ug/L	95
30) 1,1,1-Trichloroethane	5.317	97	164168	51.061	ug/L	99
31) Carbon tetrachloride	5.523	117	141225	53.612	ug/L	99
33) Benzene	5.774	78	420425	48.395	ug/L	100
34) Trichloroethene	6.542	95	99960	49.382	ug/L	99
35) Methylcyclohexane	6.764	83	158969	49.398	ug/L	97
37) 1,2-Dichloropropane	6.790	63	106638	46.472	ug/L	98
38) Bromodichloromethane	7.105	83	137440	50.917	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	153121	49.298	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	278602	89.095	ug/L	98
42) Toluene	7.970	91	432611	49.024	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	144035	49.425	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	107197	48.630	ug/L	98
46) Tetrachloroethene	8.552	164	81727	55.278	ug/L	99
48) 2-Hexanone	8.684	43	252738	86.604	ug/L	97
49) Dibromochloromethane	8.809	129	110961	52.776	ug/L	100
50) 1,2-Dibromoethane	8.925	107	112981	50.398	ug/L	96
51) Chlorobenzene	9.446	112	267356	48.817	ug/L	97
52) Ethylbenzene	9.571	91	444005	50.933	ug/L	99
53) m,p-Xylene	9.693	106	170591	51.078	ug/L	96
54) o-Xylene	10.102	106	173240	52.101	ug/L	97
55) Styrene	10.115	104	289921	52.992	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	187399	47.727	ug/L	100
59) Bromoform	10.291	173	83858	47.258	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	146141	41.879	ug/L	98
61) Isopropylbenzene	10.484	105	426594	45.314	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	365626	45.429	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	355055	45.940	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	194837	47.036	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	187602	45.818	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	203189	46.057	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	38440	41.713	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	136340	45.354	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	105066	41.161	ug/L	99
71) Naphthalene	14.085	128	329148	36.369	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	112488	40.694	ug/L	98

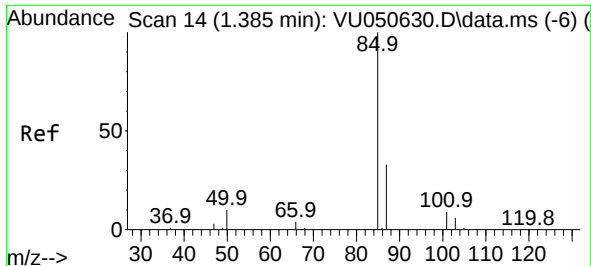
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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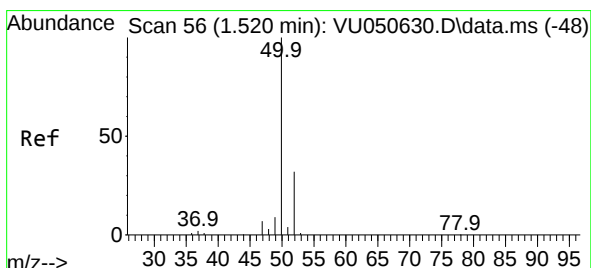
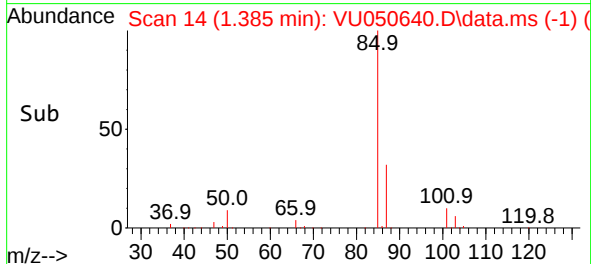
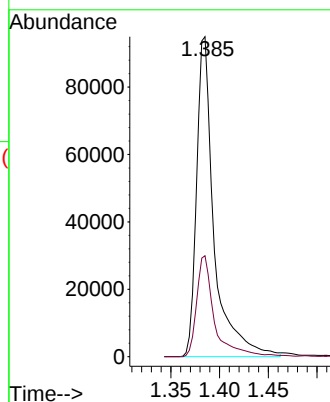
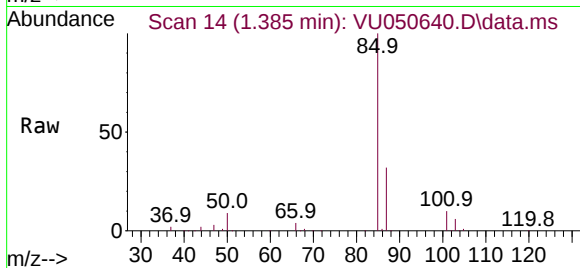




#2
 Dichlorodifluoromethane
 Concen: 50.479 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU050640.D
 Acq: 06 Sep 2022 17:44

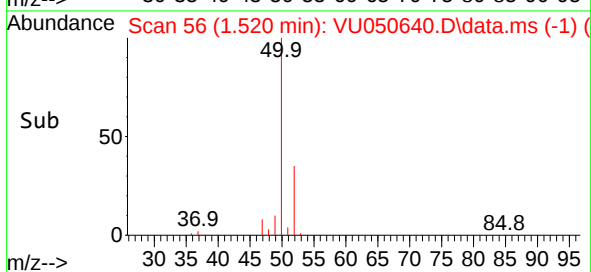
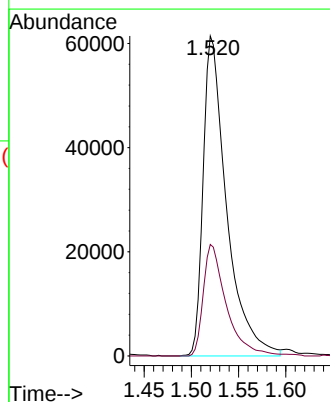
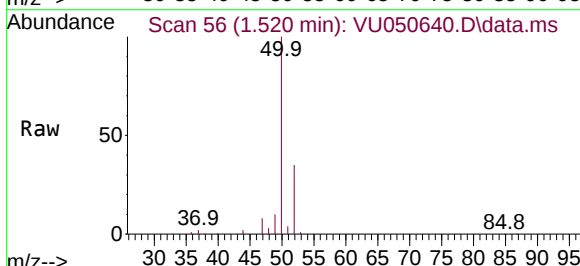
Instrument :
 MSVOA_U
 ClientSampleId :

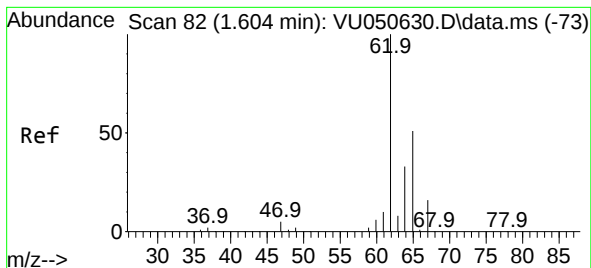
Tgt Ion: 85 Resp: 118578
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.8 38.8



#3
 Chloromethane
 Concen: 41.731 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU050640.D
 Acq: 06 Sep 2022 17:44

Tgt Ion: 50 Resp: 105921
 Ion Ratio Lower Upper
 50 100
 52 34.8 23.7 43.9





#5

Vinyl chloride

Concen: 40.235 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

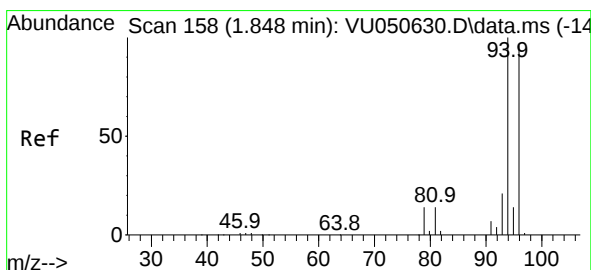
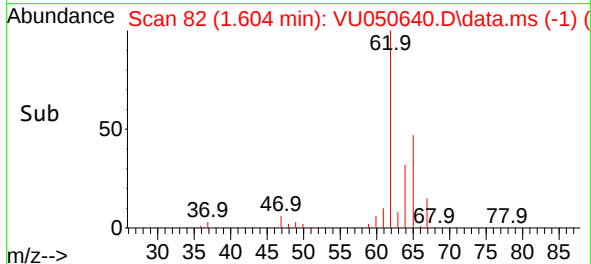
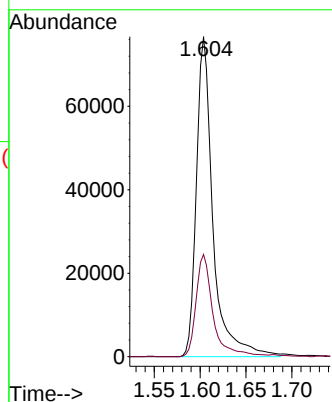
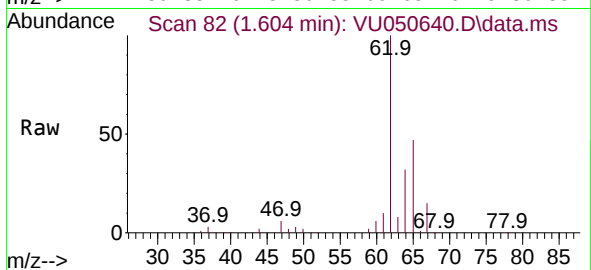
ClientSampleId :

Tgt Ion: 62 Resp: 96218

Ion Ratio Lower Upper

62 100

64 32.0 23.5 43.7



#6

Bromomethane

Concen: 40.624 ug/L

RT: 1.842 min Scan# 156

Delta R.T. -0.006 min

Lab File: VU050640.D

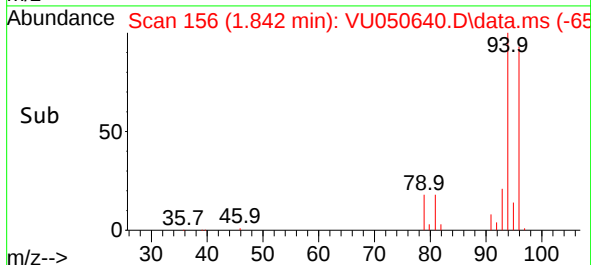
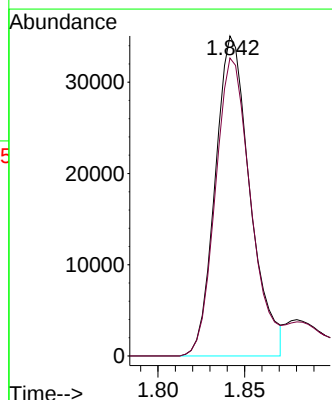
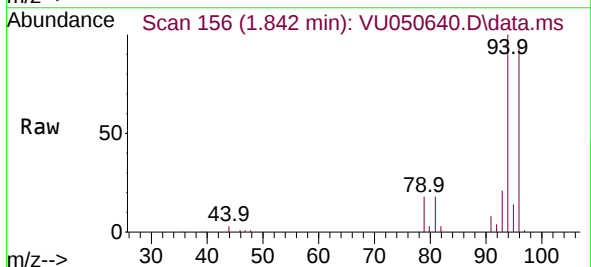
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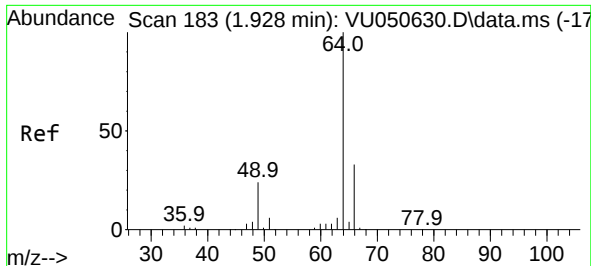
Tgt Ion: 94 Resp: 48994

Ion Ratio Lower Upper

94 100

96 93.1 65.6 121.8

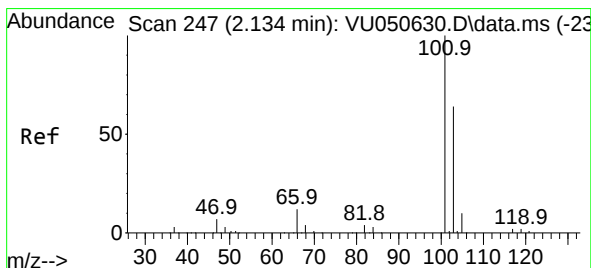
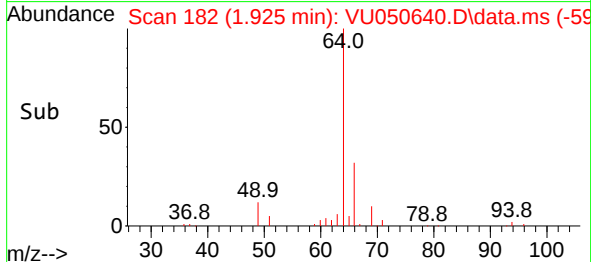
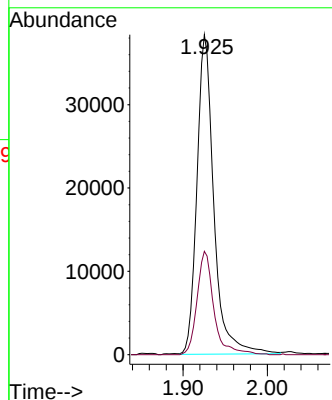
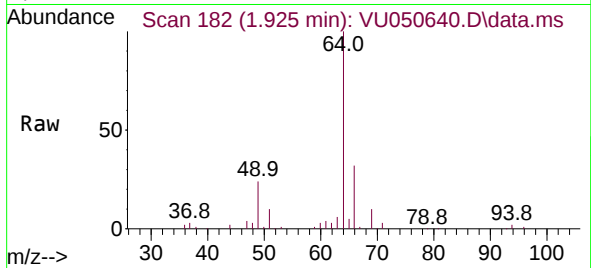




#8
Chloroethane
Concen: 42.138 ug/L
RT: 1.925 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

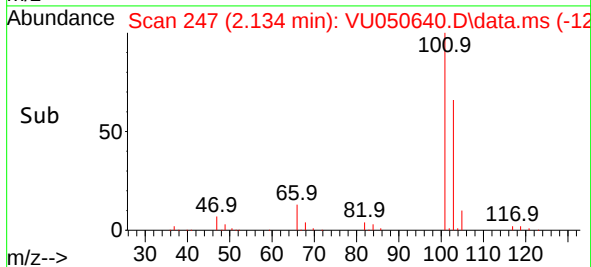
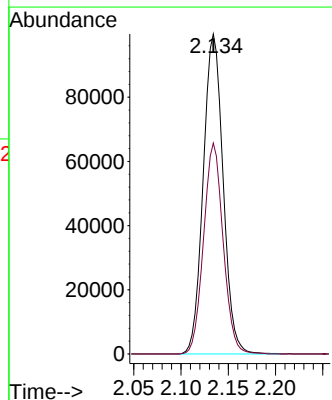
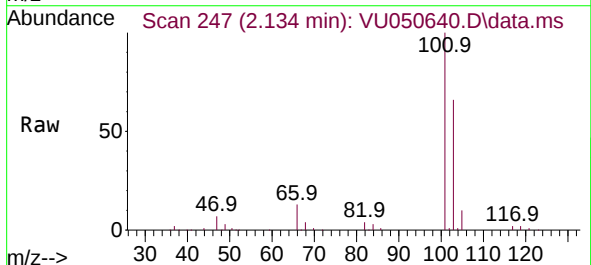
Instrument :
MSVOA_U
ClientSampleId :

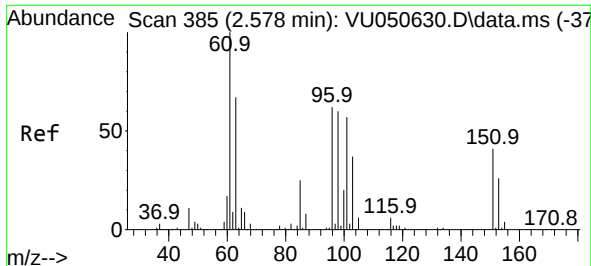
Tgt Ion: 64 Resp: 53521
Ion Ratio Lower Upper
64 100
66 32.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 50.064 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion:101 Resp: 145866
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 48.297 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

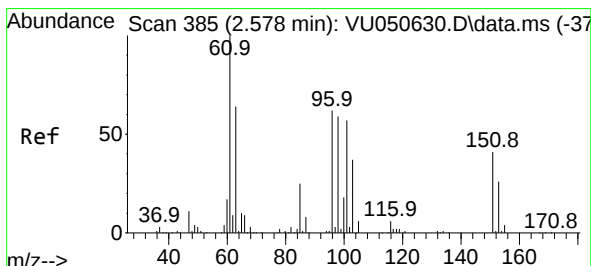
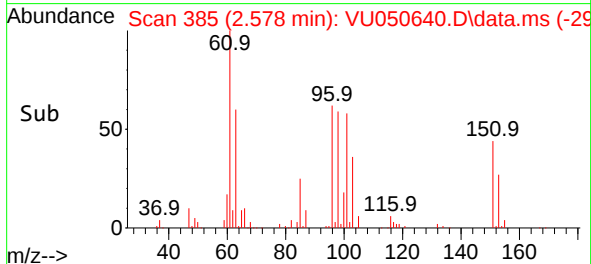
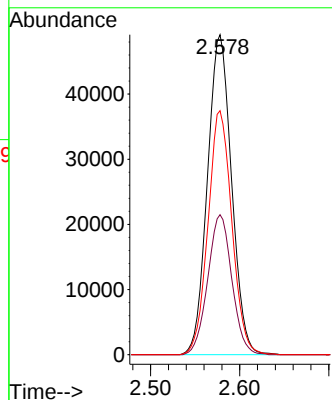
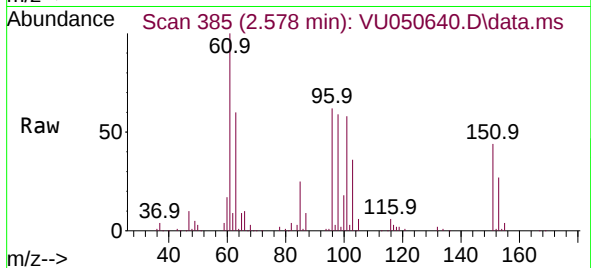
Tgt Ion:101 Resp: 92307

Ion Ratio Lower Upper

101 100

85 43.7 34.4 51.6

151 75.5 57.7 86.5



#12

1,1-Dichloroethene

Concen: 46.968 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

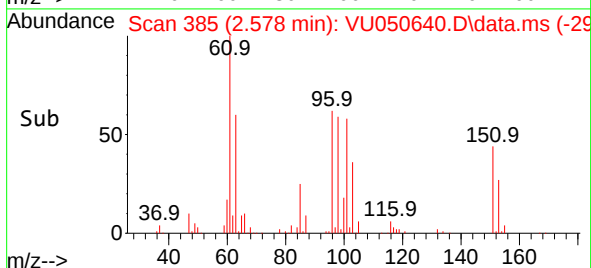
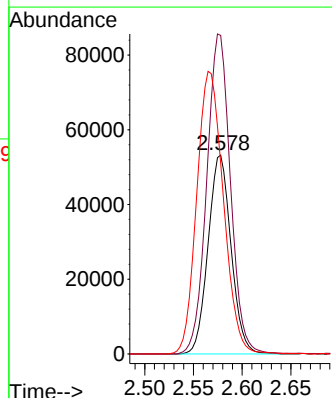
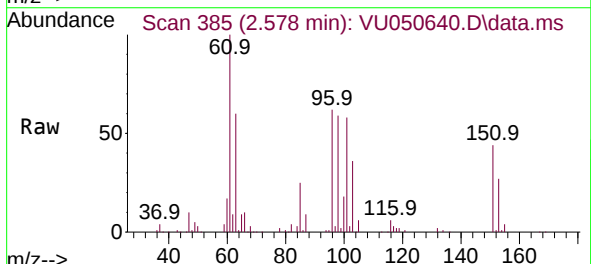
Tgt Ion: 96 Resp: 87223

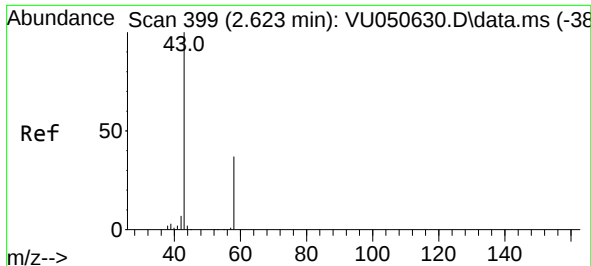
Ion Ratio Lower Upper

96 100

61 160.1 118.0 219.1

63 95.9 79.5 147.7





#13

Acetone

Concen: 96.290 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

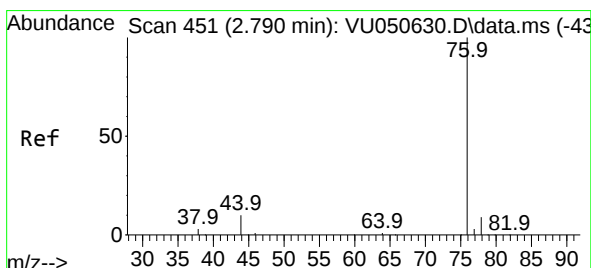
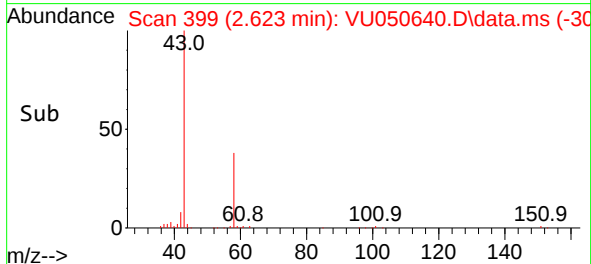
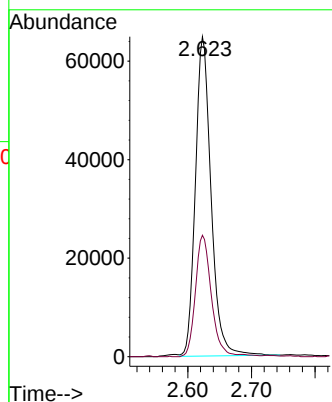
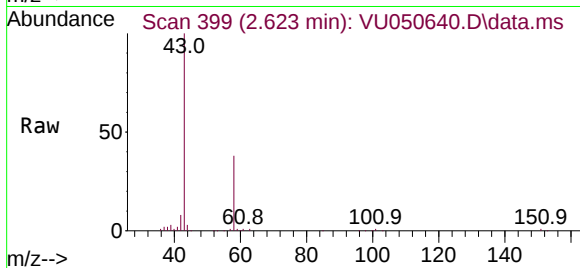
ClientSampleId :

Tgt Ion: 43 Resp: 111164

Ion Ratio Lower Upper

43 100

58 38.3 0.0 76.2



#14

Carbon disulfide

Concen: 46.007 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050640.D

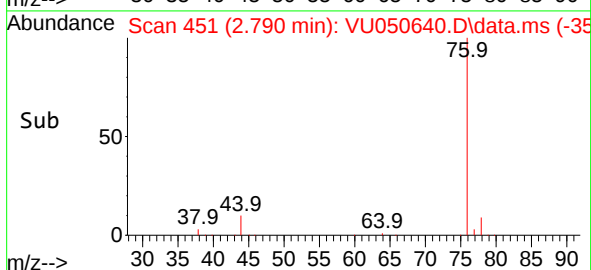
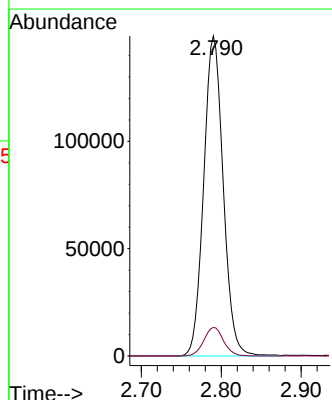
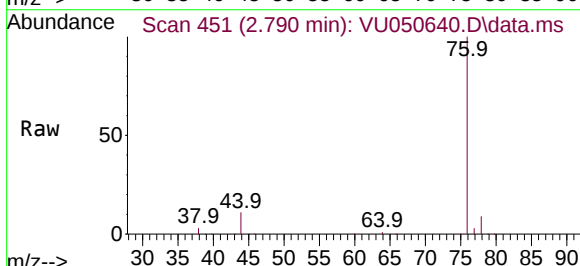
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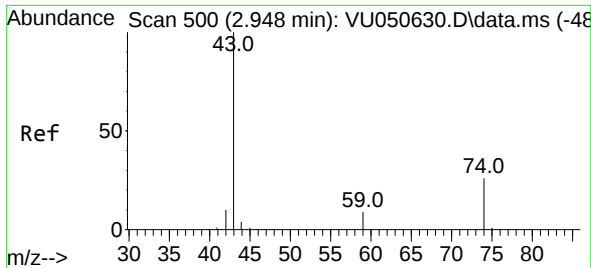
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Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

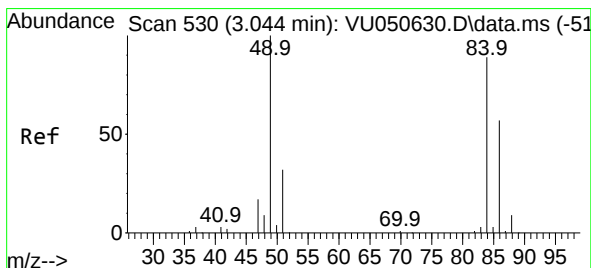
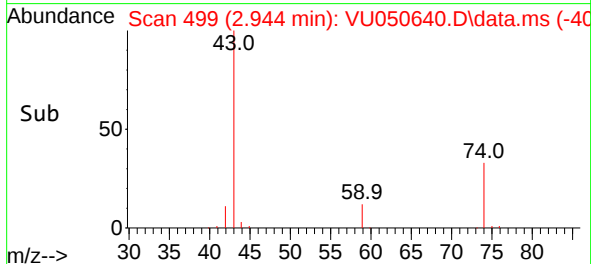
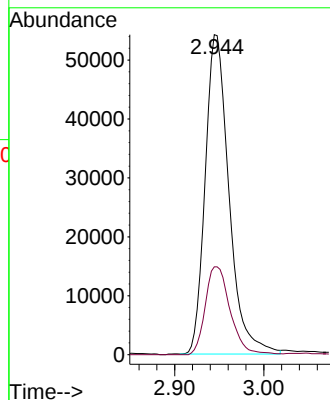
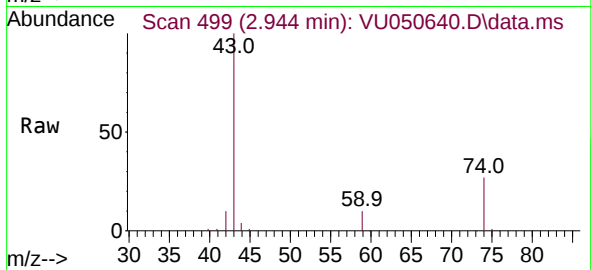




#15
Methyl Acetate
Concen: 41.261 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

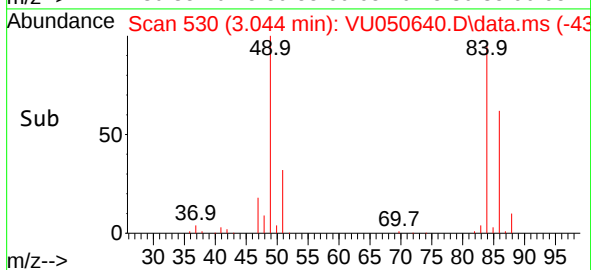
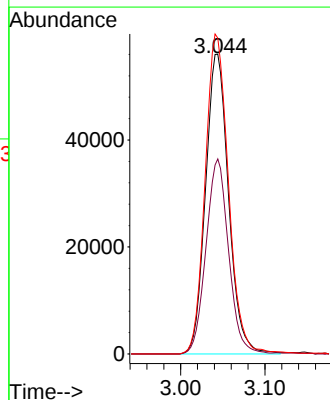
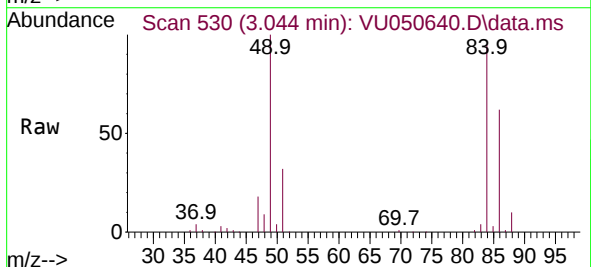
Instrument :
MSVOA_U
ClientSampleId :

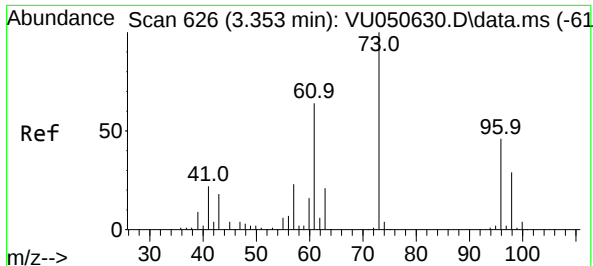
Tgt Ion: 43 Resp: 100740
Ion Ratio Lower Upper
43 100
74 28.8 21.2 31.8



#16
Methylene chloride
Concen: 43.771 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion: 84 Resp: 106679
Ion Ratio Lower Upper
84 100
86 65.1 44.8 83.2
49 105.4 80.6 149.8





#17

trans-1,2-Dichloroethene

Concen: 47.213 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

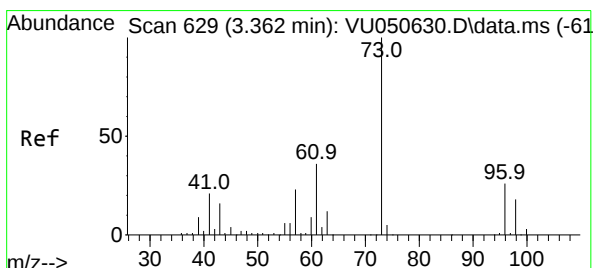
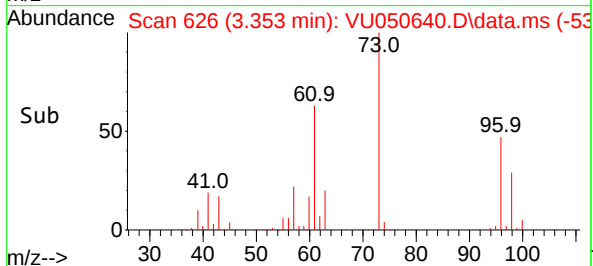
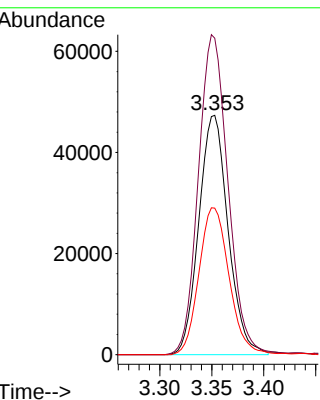
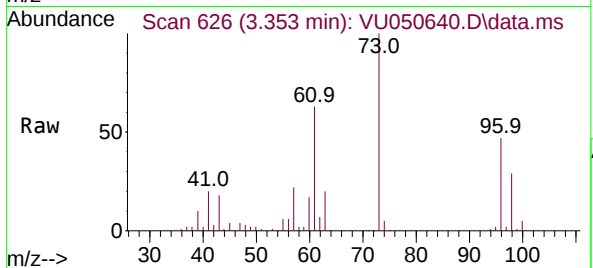
Tgt Ion: 96 Resp: 92974

Ion Ratio Lower Upper

96 100

61 132.2 97.9 181.7

98 61.2 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 46.900 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

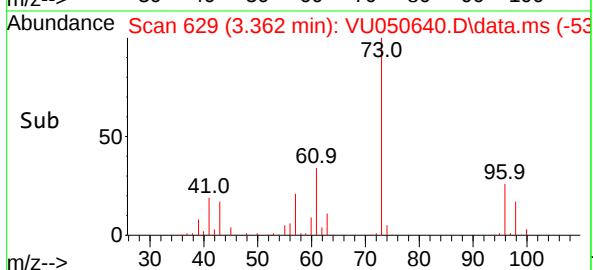
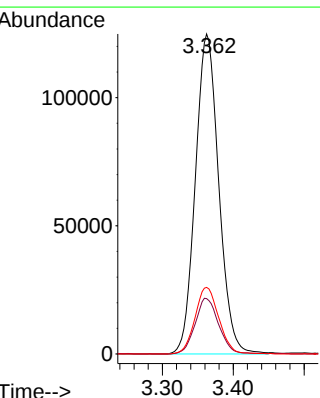
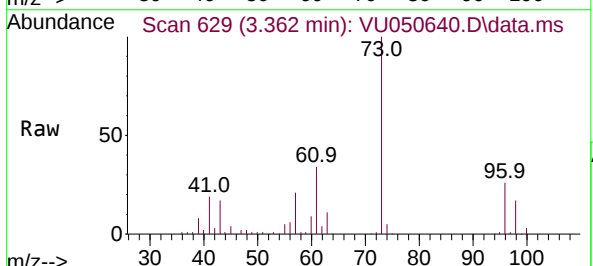
Tgt Ion: 73 Resp: 286362

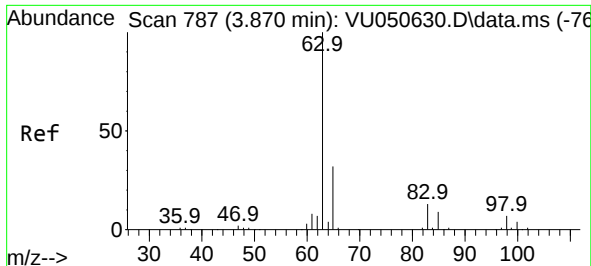
Ion Ratio Lower Upper

73 100

43 17.4 13.4 20.2

57 21.2 17.8 26.8





#19

1,1-Dichloroethane

Concen: 45.211 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

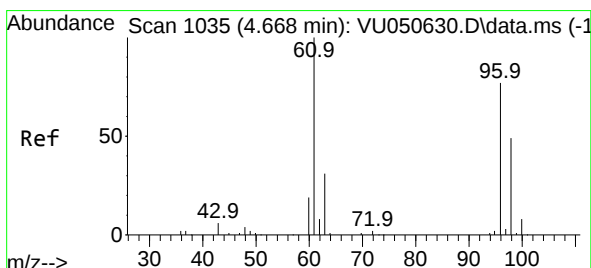
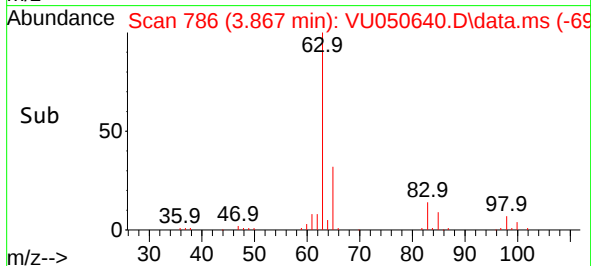
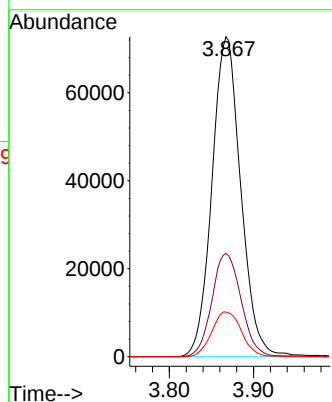
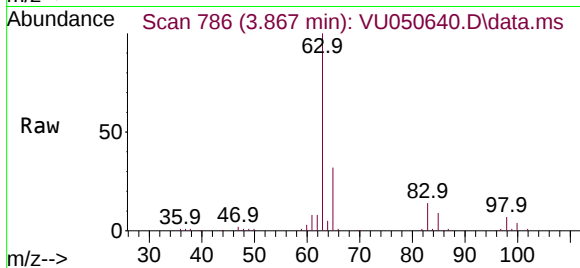
Tgt Ion: 63 Resp: 171771

Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

83 13.9 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 47.495 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

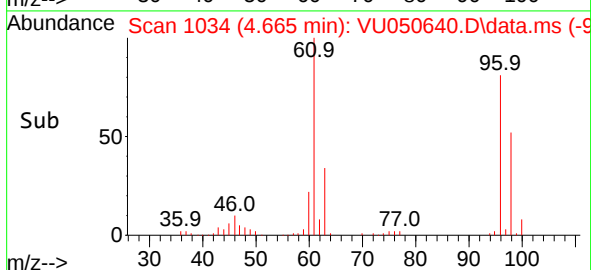
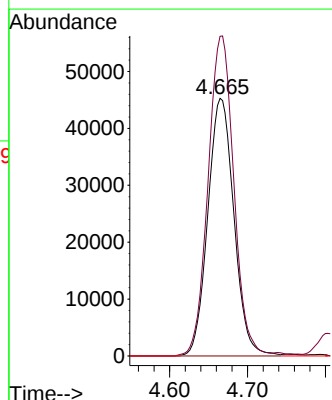
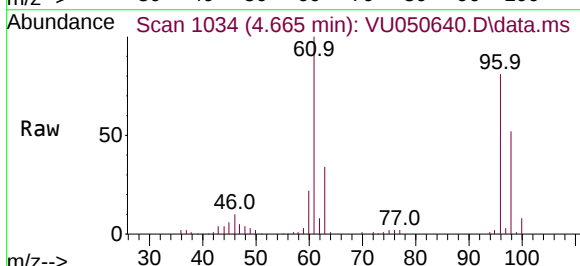
Tgt Ion: 96 Resp: 105529

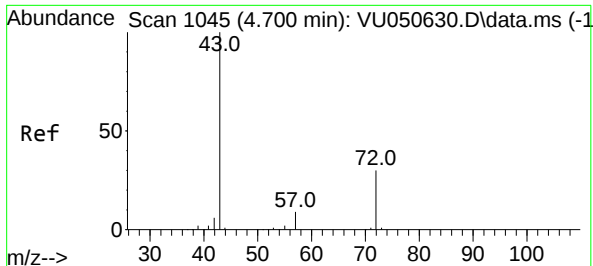
Ion Ratio Lower Upper

96 100

61 124.1 89.8 166.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 86.778 ug/L

RT: 4.700 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

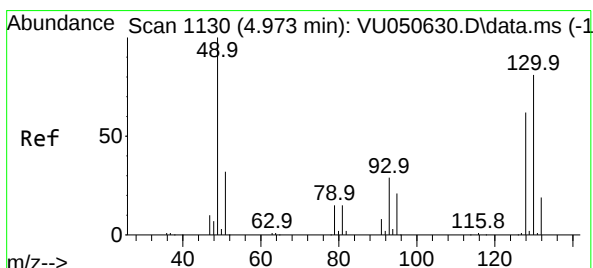
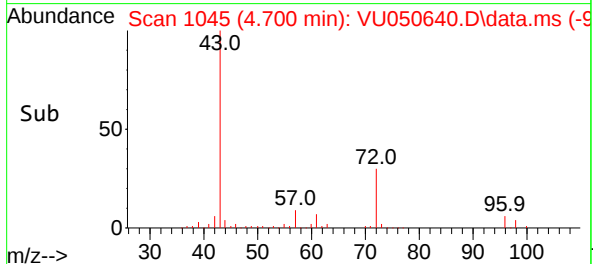
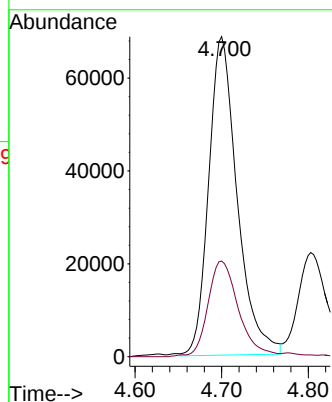
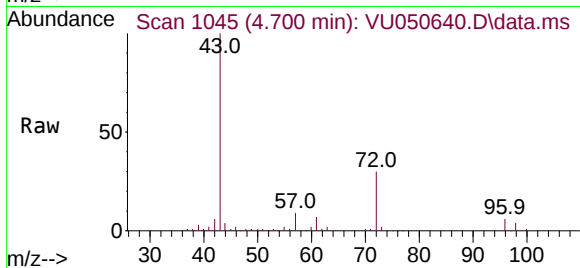
ClientSampleId :

Tgt Ion: 43 Resp: 156692

Ion Ratio Lower Upper

43 100

72 32.0 14.6 44.0



#23

Bromochloromethane

Concen: 48.436 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Tgt Ion: 128 Resp: 55611

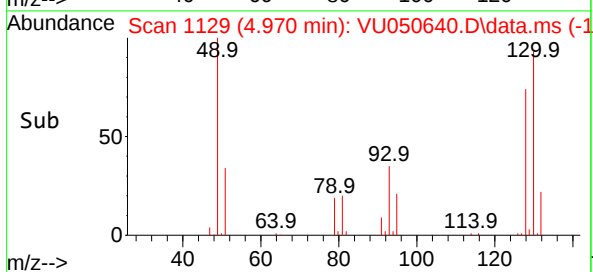
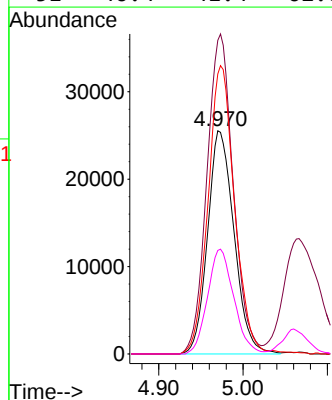
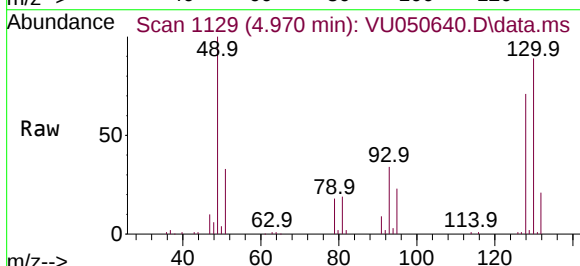
Ion Ratio Lower Upper

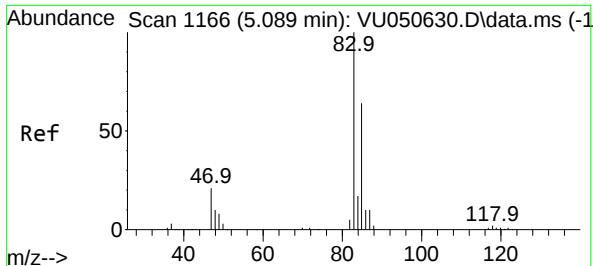
128 100

49 140.5 112.5 208.9

130 125.4 91.8 170.4

51 46.4 41.4 62.0





#25

Chloroform

Concen: 49.139 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

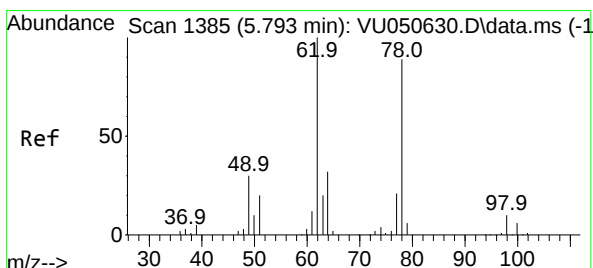
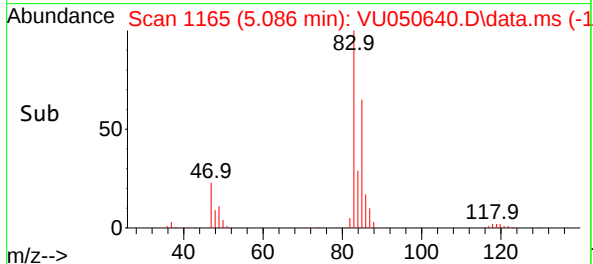
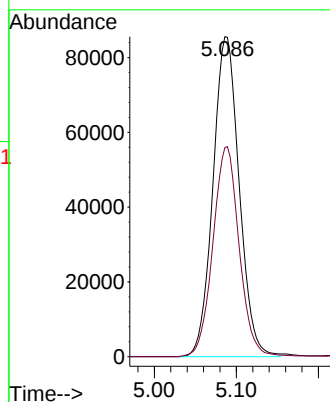
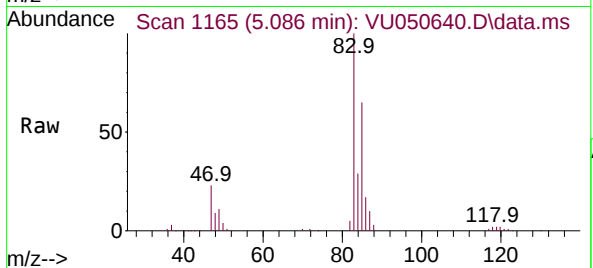
ClientSampleId :

Tgt Ion: 83 Resp: 190206

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 49.280 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050640.D

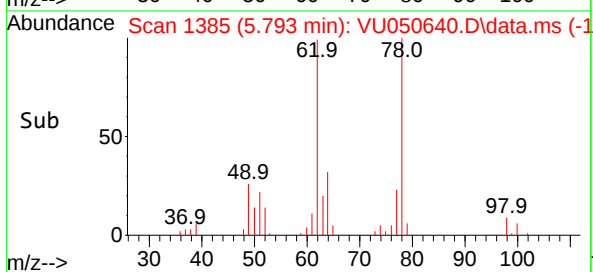
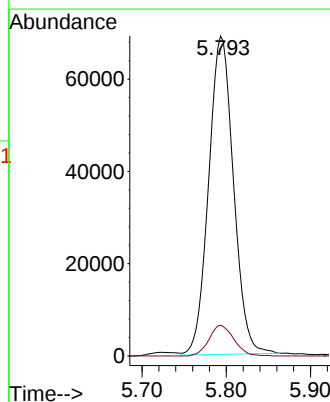
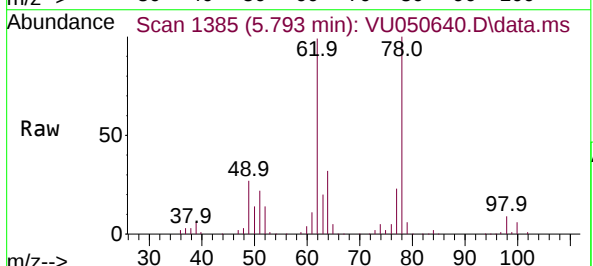
Acq: 06 Sep 2022 17:44

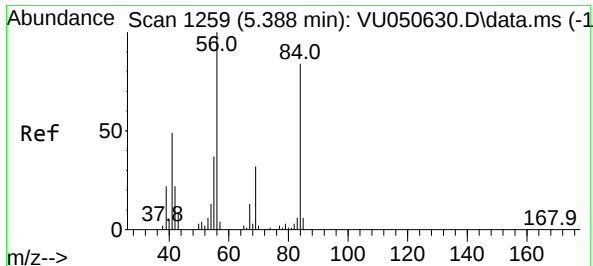
Tgt Ion: 62 Resp: 141380

Ion Ratio Lower Upper

62 100

98 9.6 8.2 12.2





#29

Cyclohexane

Concen: 46.460 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

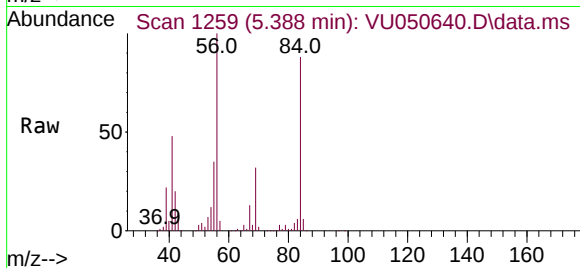
Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :



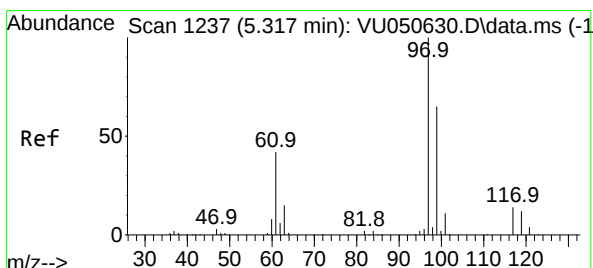
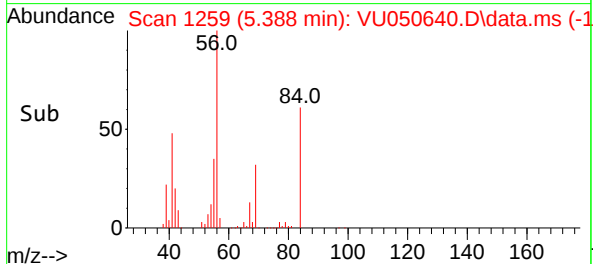
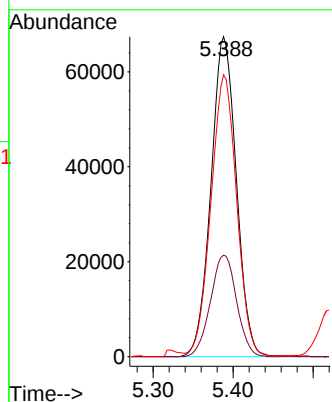
Tgt Ion: 56 Resp: 148526

Ion Ratio Lower Upper

56 100

69 32.7 24.6 37.0

84 89.0 67.4 101.2



#30

1,1,1-Trichloroethane

Concen: 51.061 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

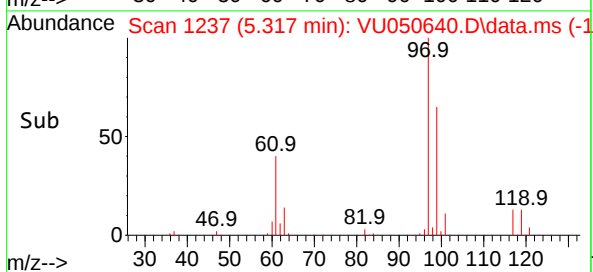
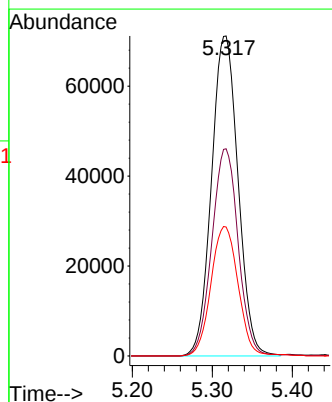
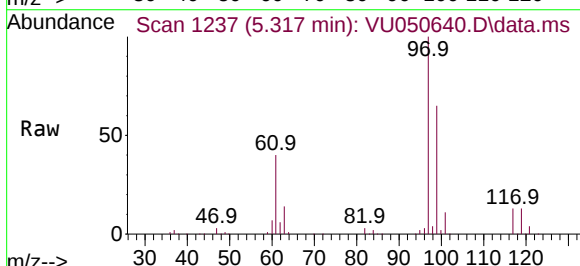
Tgt Ion: 97 Resp: 164168

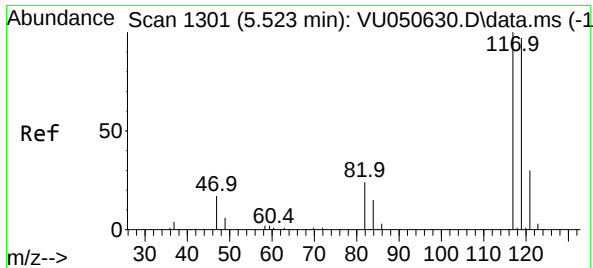
Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 41.1 34.2 51.4

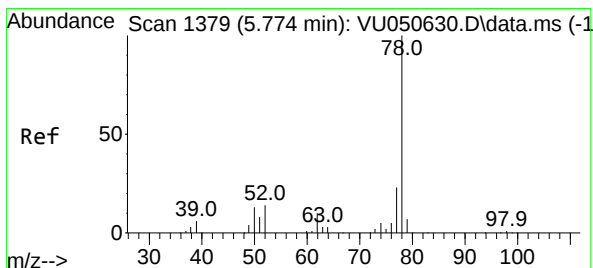
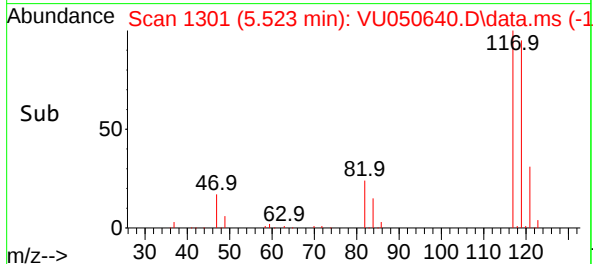
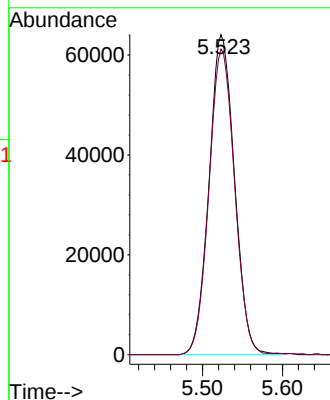
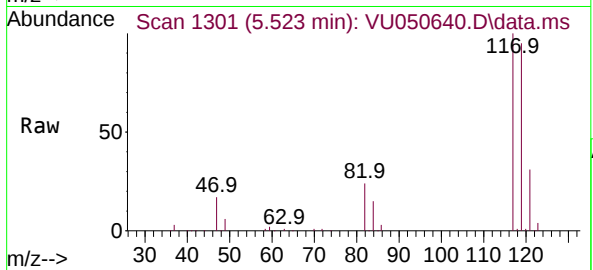




#31
Carbon tetrachloride
Concen: 53.612 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

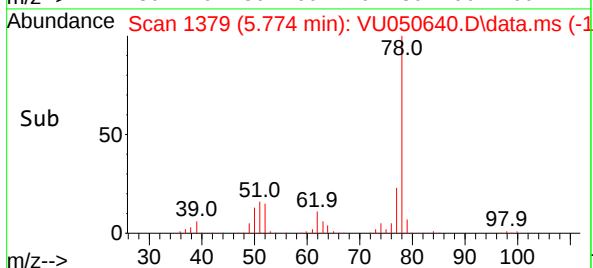
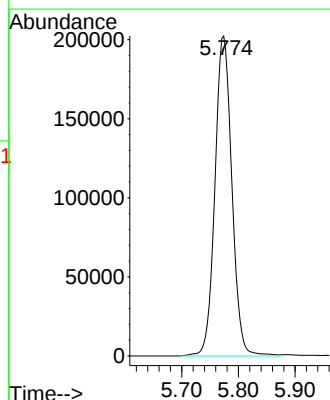
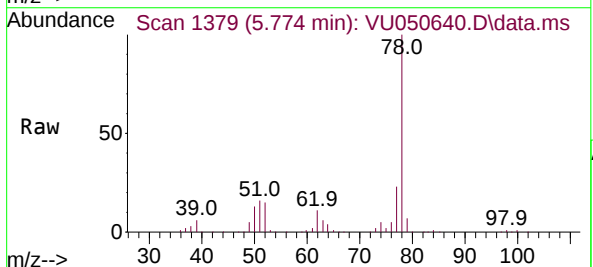
Instrument :
MSVOA_U
ClientSampleId :

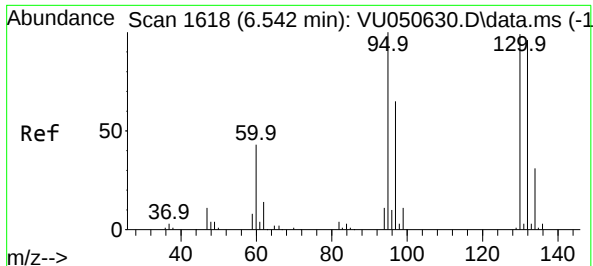
Tgt Ion:117 Resp: 141225
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.2



#33
Benzene
Concen: 48.395 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion: 78 Resp: 420425

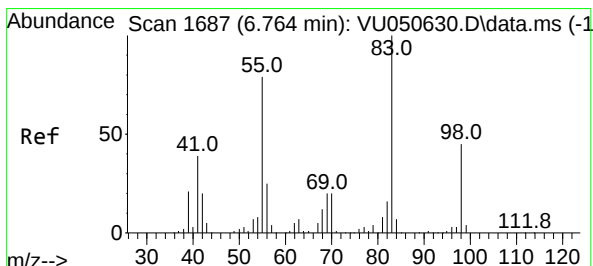
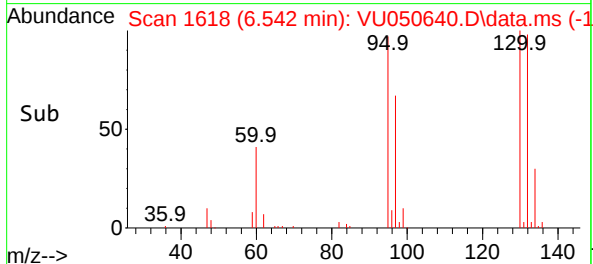
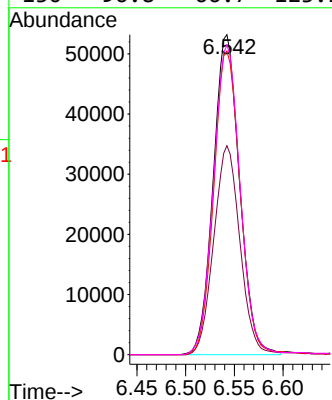
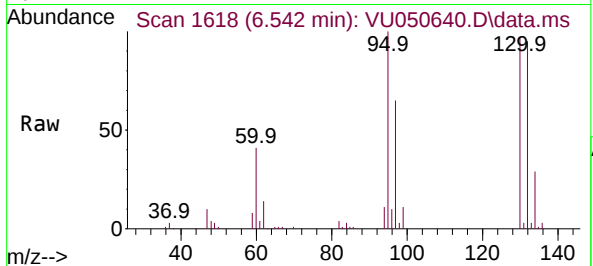




#34
Trichloroethene
Concen: 49.382 ug/L
RT: 6.542 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

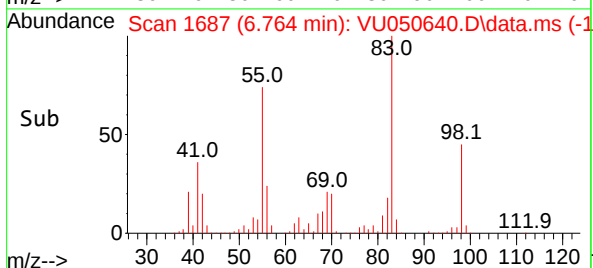
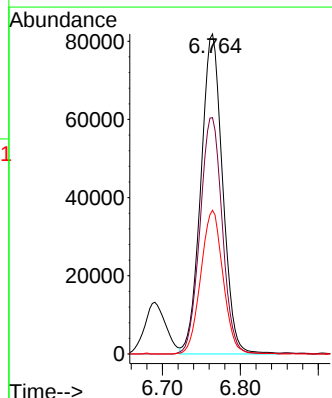
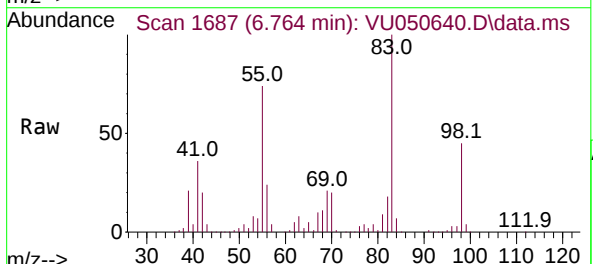
Instrument :
MSVOA_U
ClientSampleId :

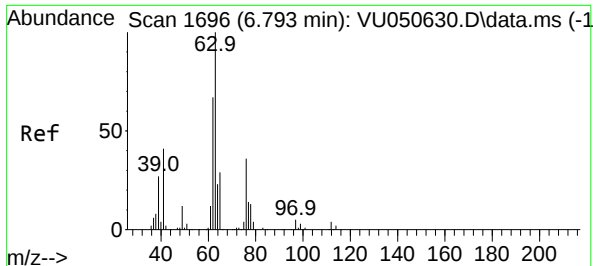
Tgt Ion: 95 Resp: 99960
Ion Ratio Lower Upper
95 100
97 65.3 45.4 84.2
132 94.9 65.2 121.2
130 96.8 66.7 123.9



#35
Methylcyclohexane
Concen: 49.398 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion: 83 Resp: 158969
Ion Ratio Lower Upper
83 100
55 75.3 62.6 93.8
98 45.8 35.5 53.3





#37

1,2-Dichloropropane

Concen: 46.472 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

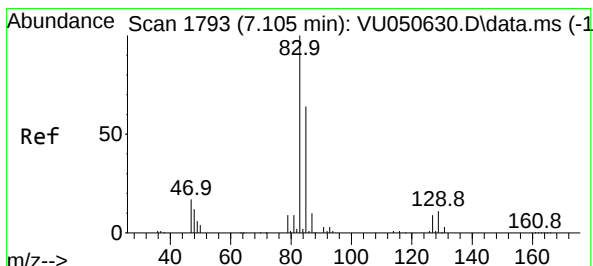
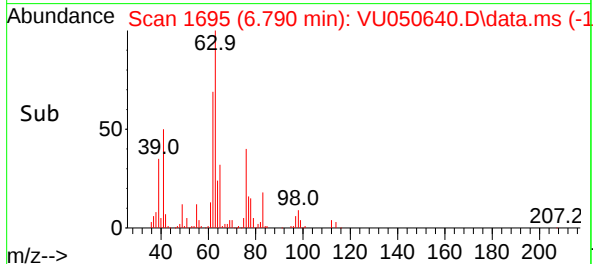
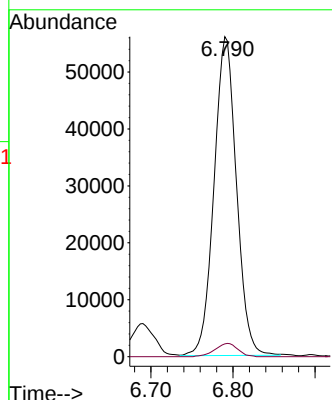
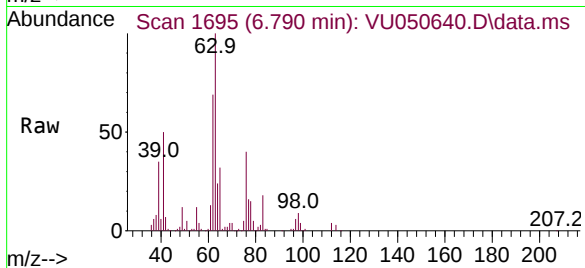
ClientSampleId :

Tgt Ion: 63 Resp: 106638

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.4



#38

Bromodichloromethane

Concen: 50.917 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

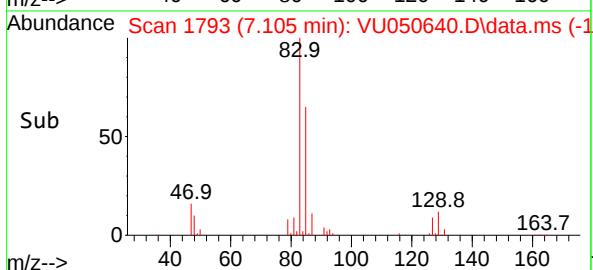
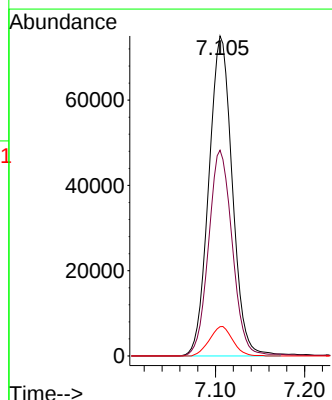
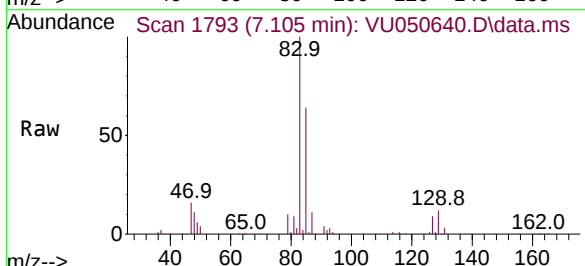
Tgt Ion: 83 Resp: 137440

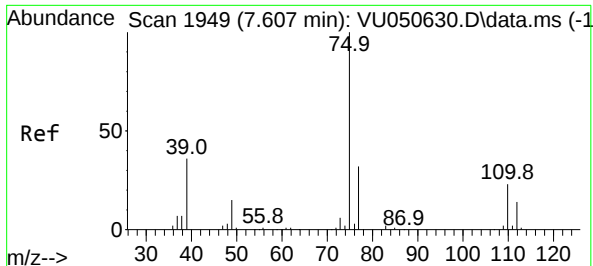
Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.5

127 9.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 49.298 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

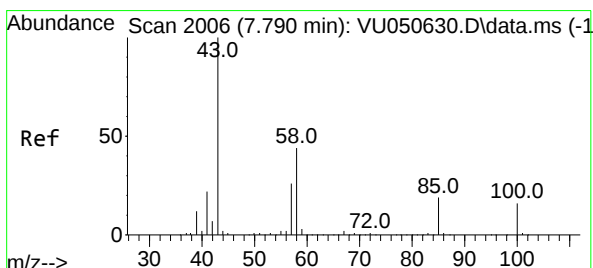
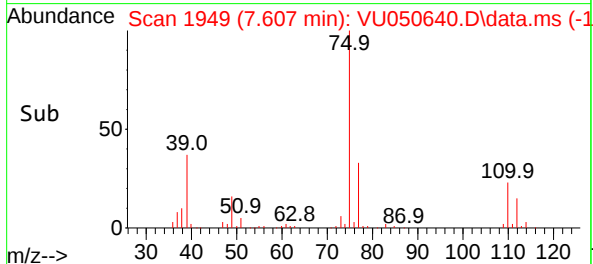
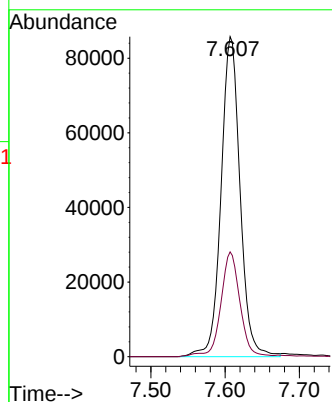
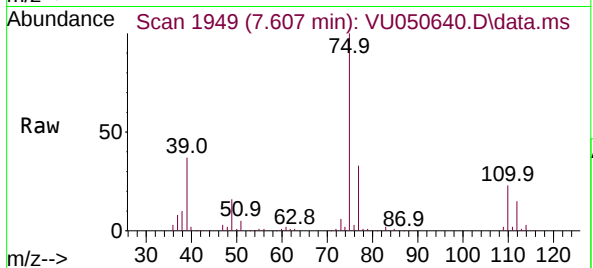
ClientSampleId :

Tgt Ion: 75 Resp: 153121

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 89.095 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

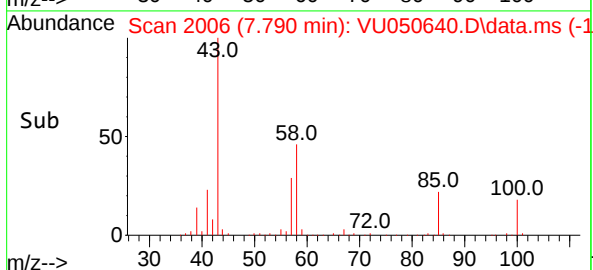
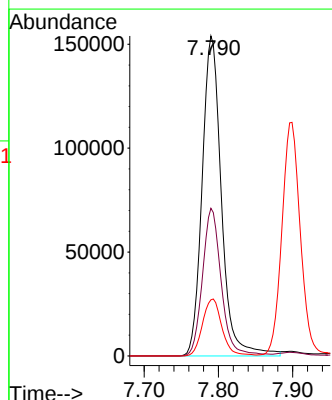
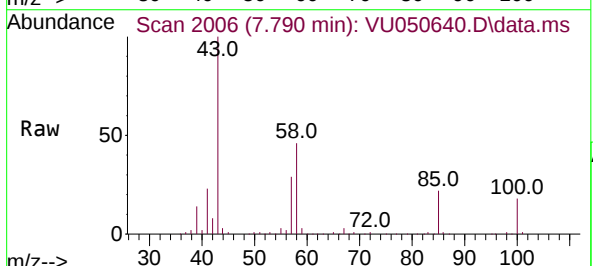
Tgt Ion: 43 Resp: 278602

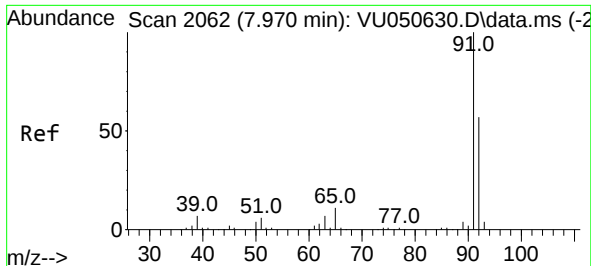
Ion Ratio Lower Upper

43 100

58 44.7 35.1 52.7

100 17.9 12.9 19.3

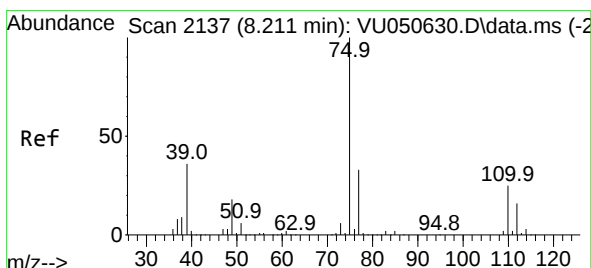
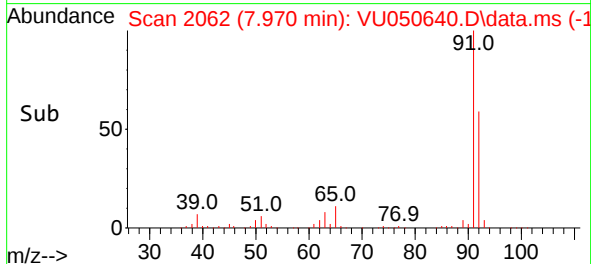
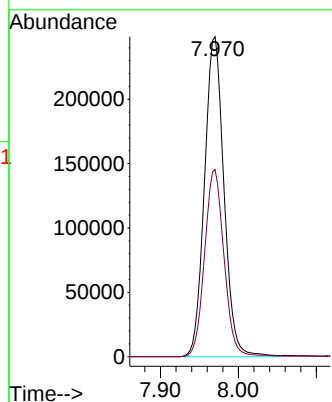
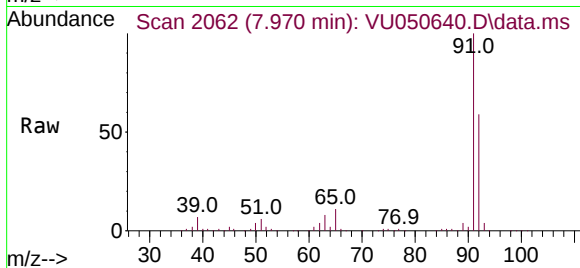




#42
Toluene
Concen: 49.024 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

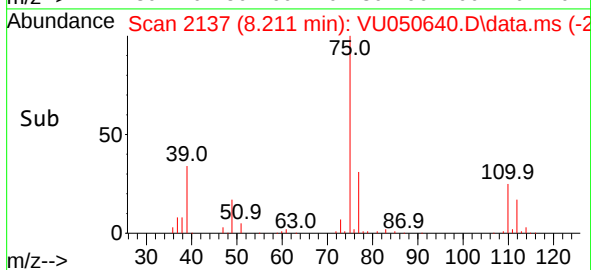
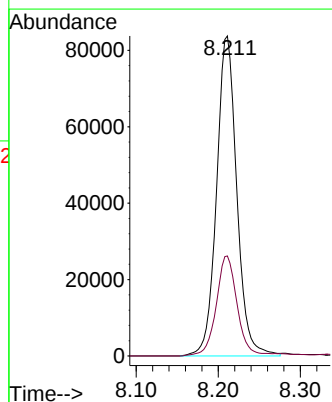
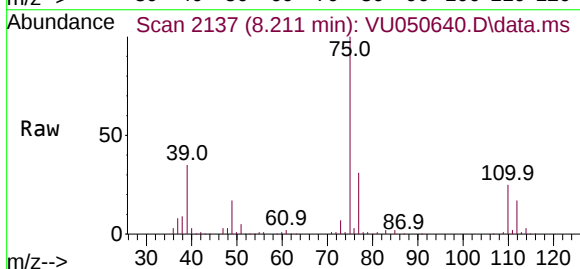
Instrument :
MSVOA_U
ClientSampleId :

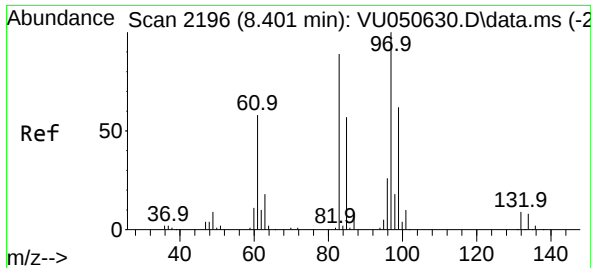
Tgt Ion: 91 Resp: 432611
Ion Ratio Lower Upper
91 100
92 58.5 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 49.425 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion: 75 Resp: 144035
Ion Ratio Lower Upper
75 100
77 31.3 22.1 41.1

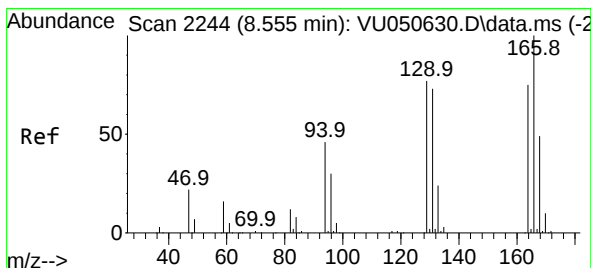
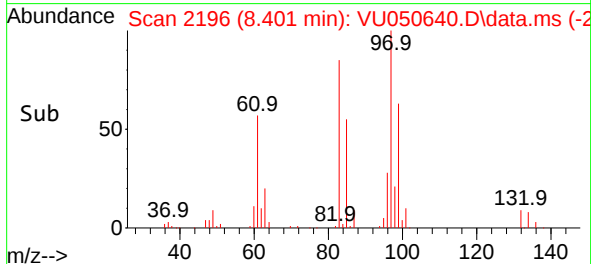
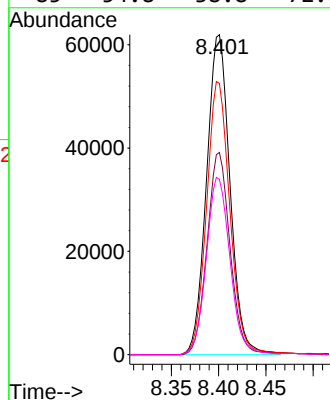
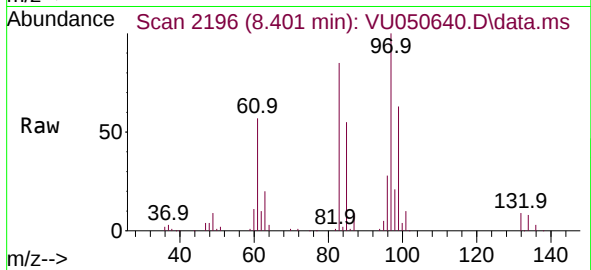




#45
1,1,2-Trichloroethane
Concen: 48.630 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

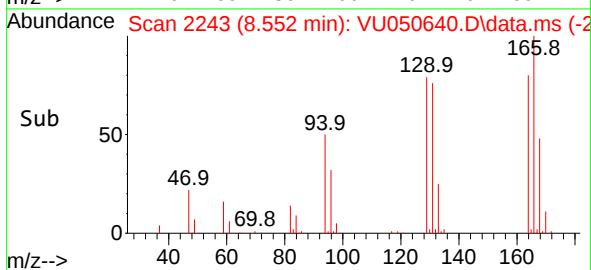
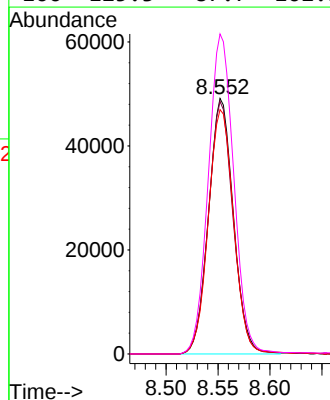
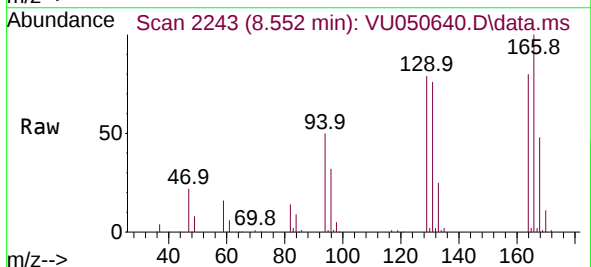
Instrument :
MSVOA_U
ClientSampleId :

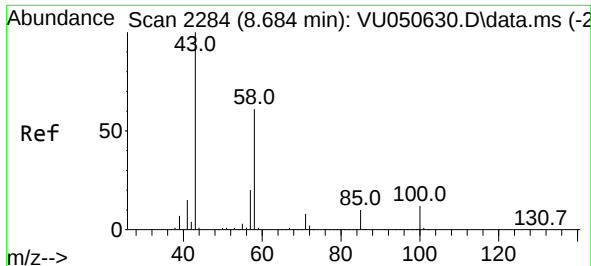
Tgt Ion:	97	Resp:	107197
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.5	80.9
83	84.8	61.6	114.4
85	54.8	38.8	72.0



#46
Tetrachloroethene
Concen: 55.278 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion:	164	Resp:	81727
Ion	Ratio	Lower	Upper
164	100		
129	98.8	68.7	127.5
131	95.6	66.2	123.0
166	125.3	87.7	162.9

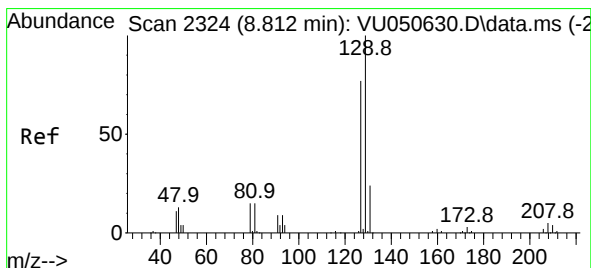
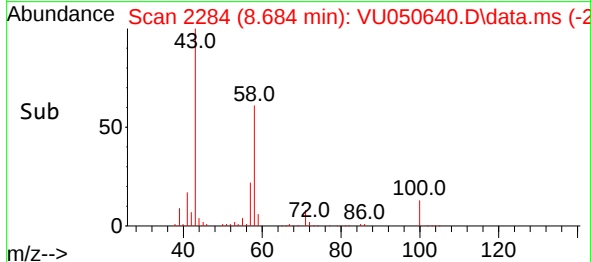
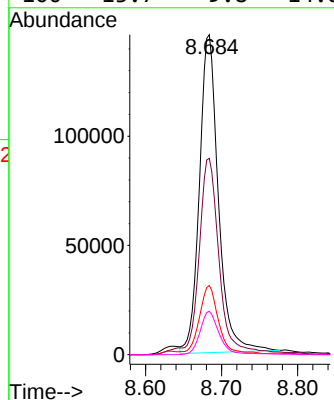
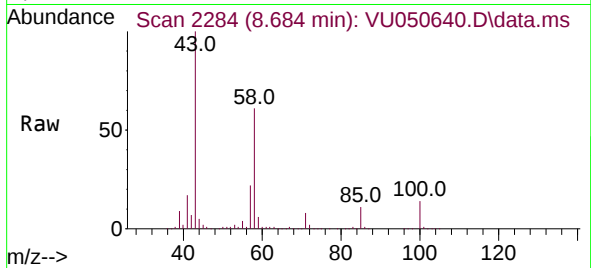




#48
2-Hexanone
Concen: 86.604 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

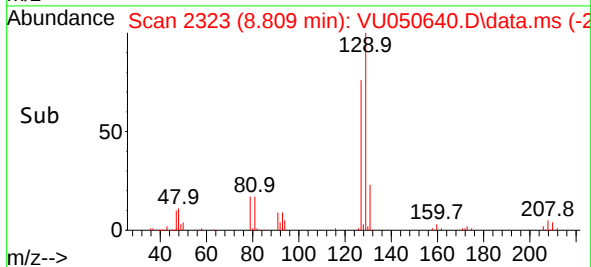
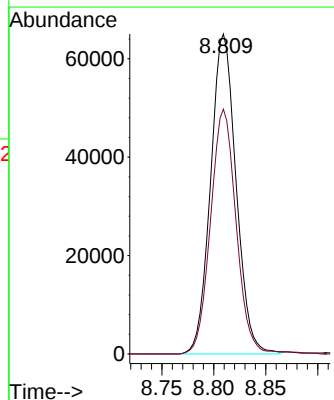
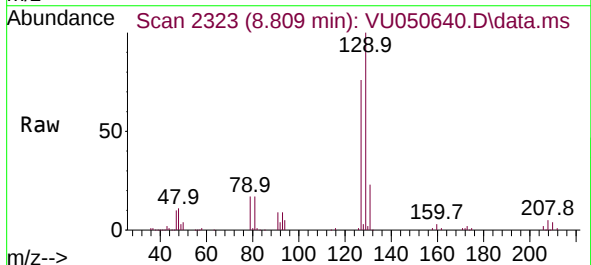
Instrument :
MSVOA_U
ClientSampleId :

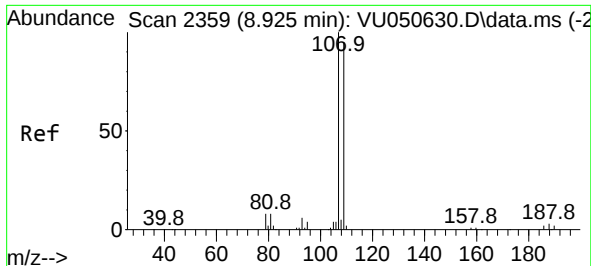
Tgt Ion: 43 Resp: 252738
Ion Ratio Lower Upper
43 100
58 62.1 51.8 77.6
57 20.5 17.0 25.4
100 13.7 9.8 14.8



#49
Dibromochloromethane
Concen: 52.776 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion: 129 Resp: 110961
Ion Ratio Lower Upper
129 100
127 76.5 53.8 100.0





#50

1,2-Dibromoethane

Concen: 50.398 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

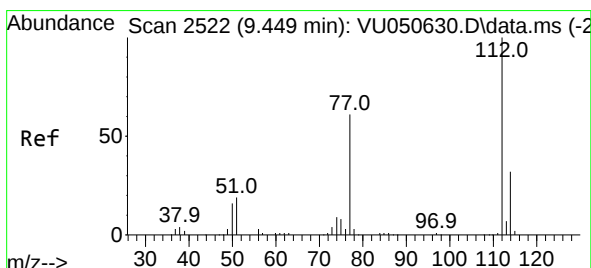
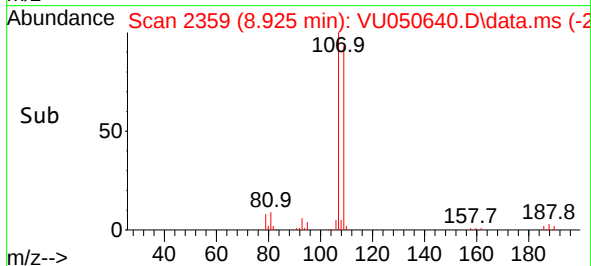
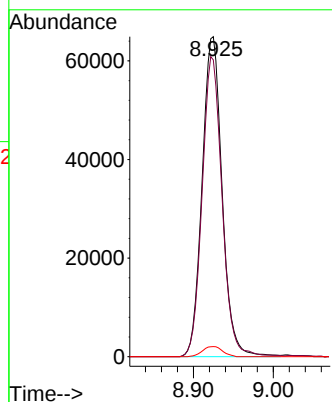
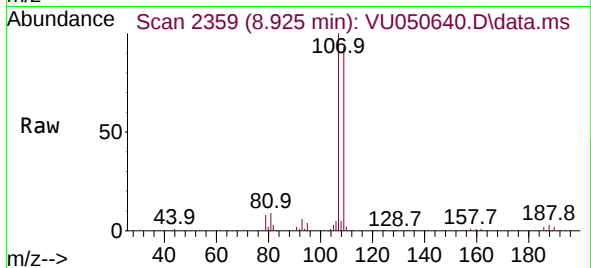
Tgt Ion:107 Resp: 112981

Ion Ratio Lower Upper

107 100

109 92.7 67.5 125.4

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 48.817 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

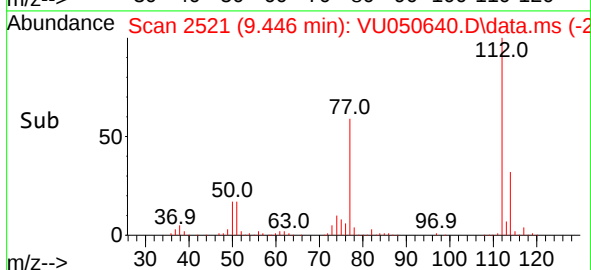
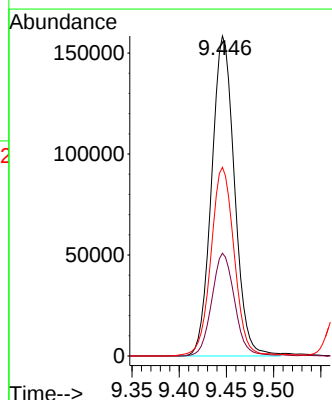
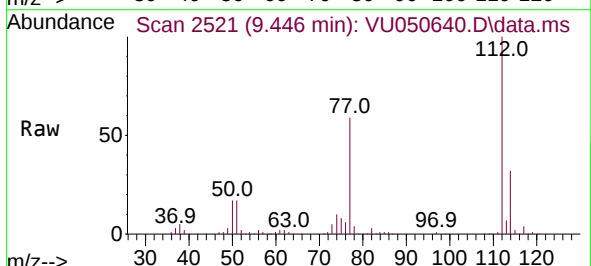
Tgt Ion:112 Resp: 267356

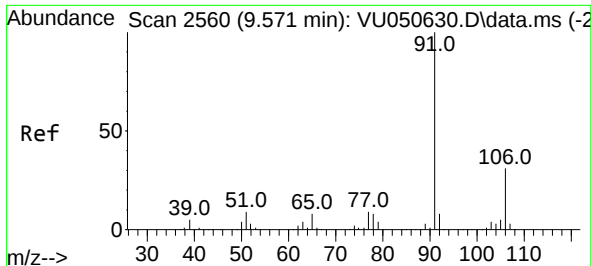
Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

77 59.0 49.2 73.8

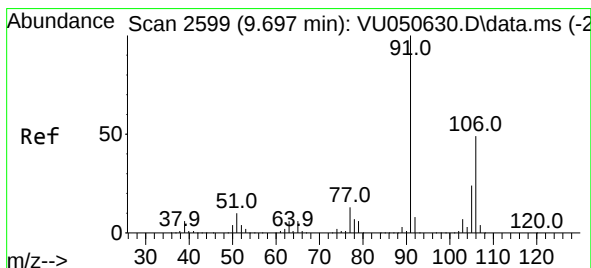
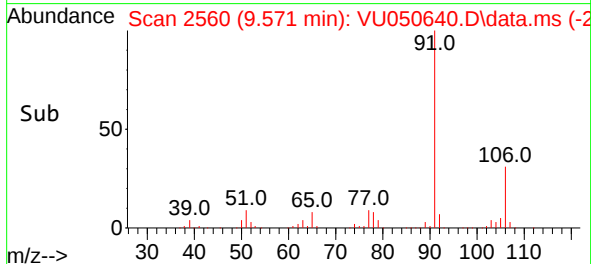
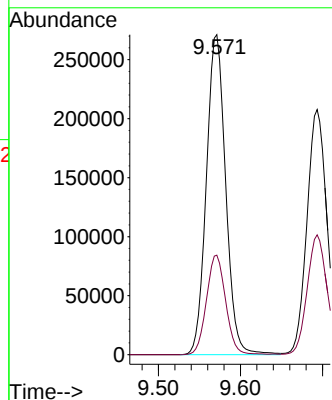
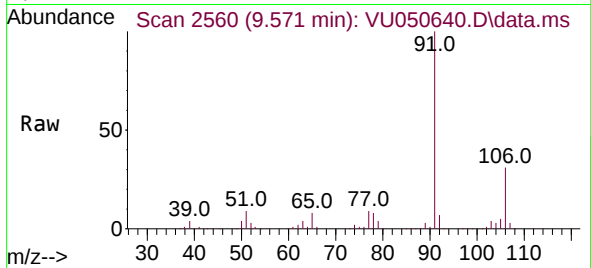




#52
Ethylbenzene
Concen: 50.933 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

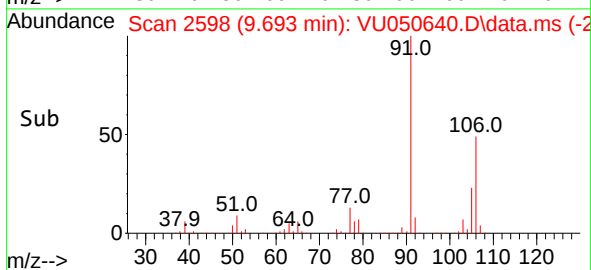
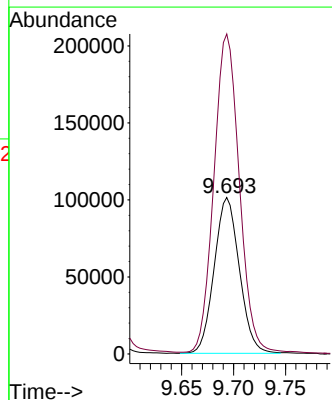
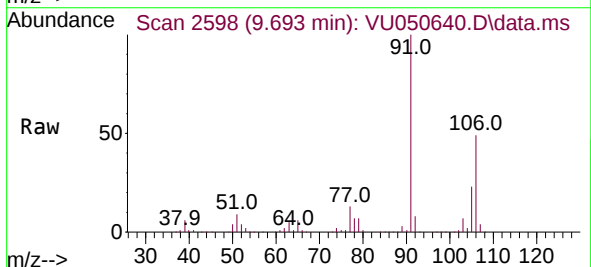
Instrument :
MSVOA_U
ClientSampleId :

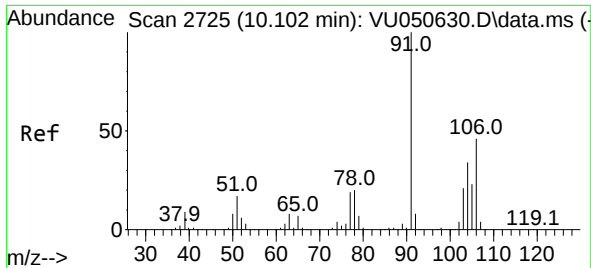
Tgt Ion: 91 Resp: 444005
Ion Ratio Lower Upper
91 100
106 31.1 21.2 39.4



#53
m,p-Xylene
Concen: 51.078 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion: 106 Resp: 170591
Ion Ratio Lower Upper
106 100
91 204.5 147.1 273.3

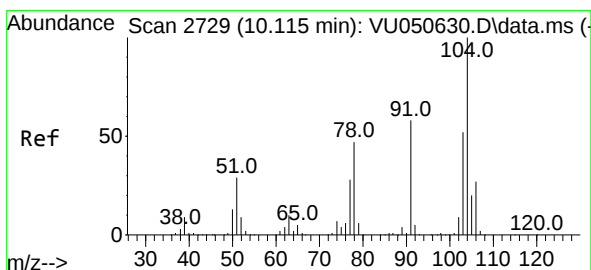
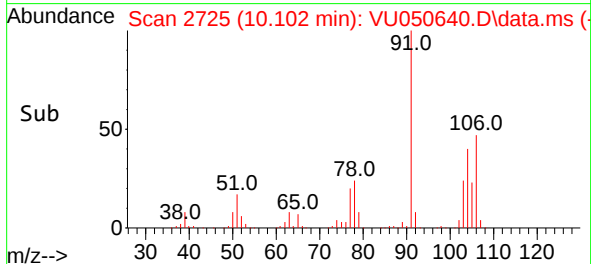
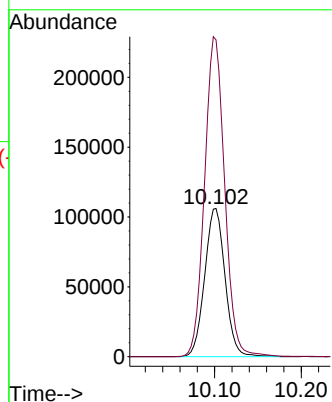
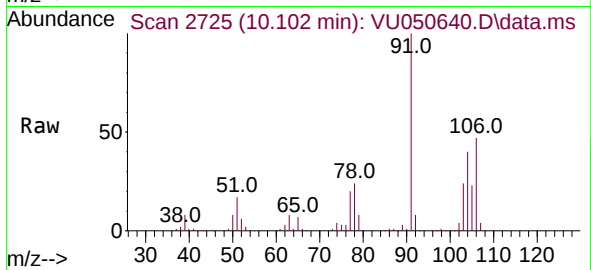




#54
o-Xylene
Concen: 52.101 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

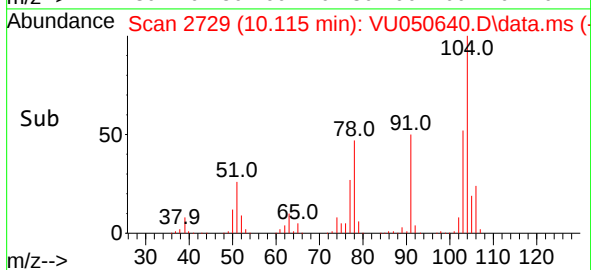
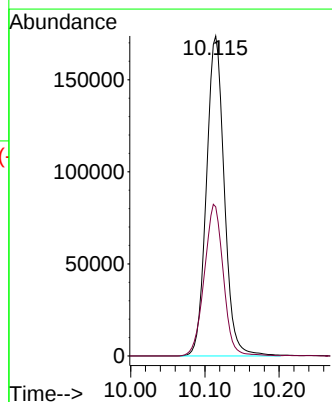
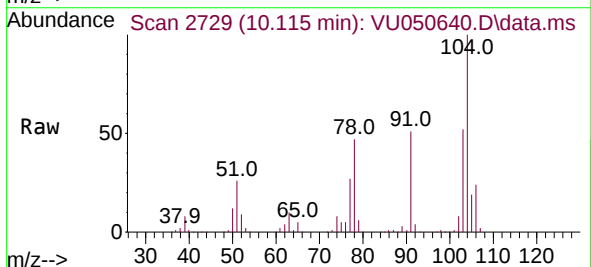
Instrument :
MSVOA_U
ClientSampleId :

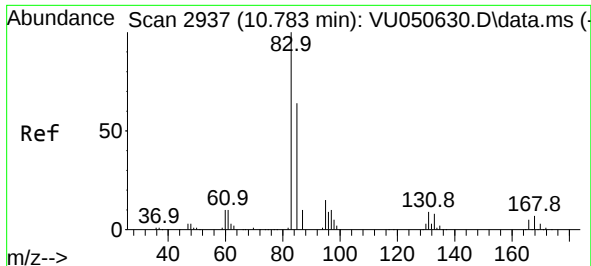
Tgt Ion:106 Resp: 173240
Ion Ratio Lower Upper
106 100
91 213.9 153.4 284.8



#55
Styrene
Concen: 52.992 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion:104 Resp: 289921
Ion Ratio Lower Upper
104 100
78 46.6 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 47.727 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.003 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

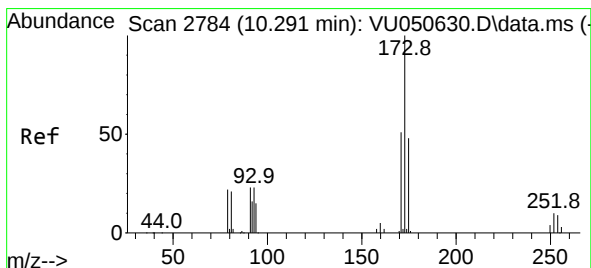
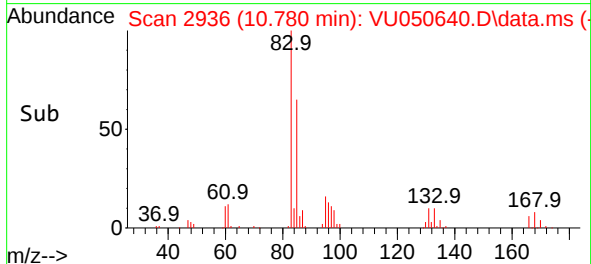
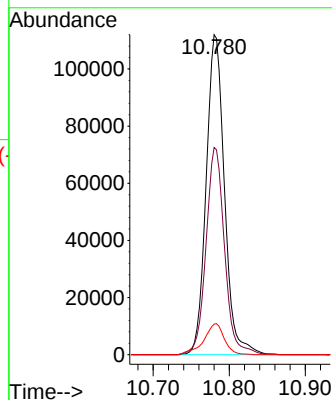
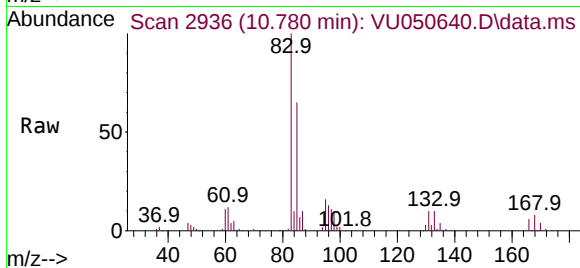
Tgt Ion: 83 Resp: 187399

Ion Ratio Lower Upper

83 100

85 64.7 45.5 84.5

131 9.6 7.7 11.5



#59

Bromoform

Concen: 47.258 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

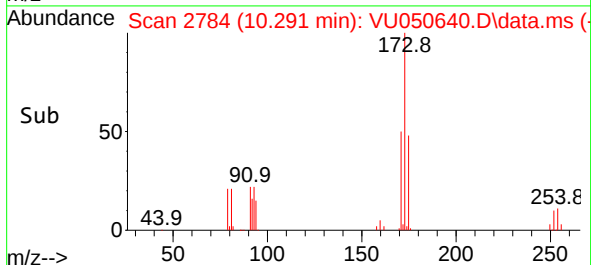
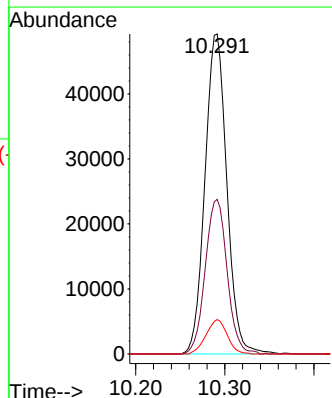
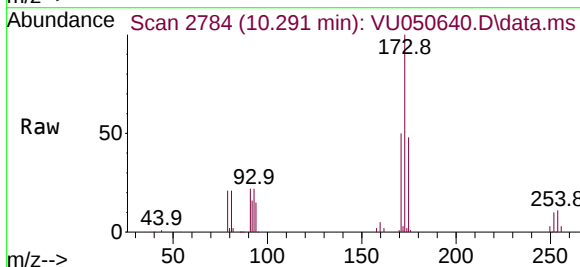
Tgt Ion:173 Resp: 83858

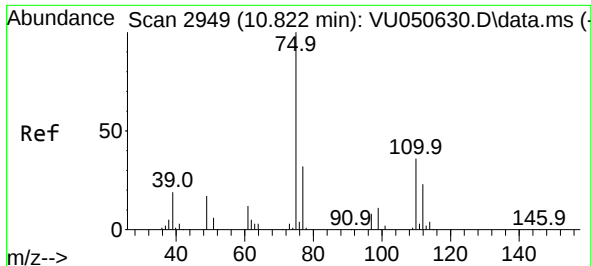
Ion Ratio Lower Upper

173 100

175 48.3 40.0 60.0

254 10.4 7.4 11.0

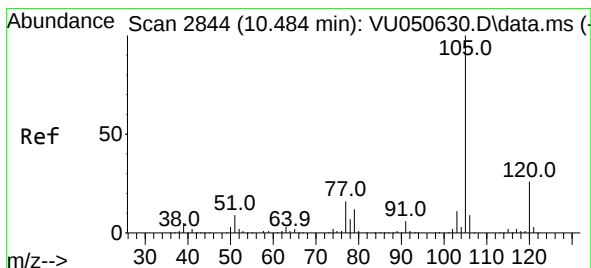
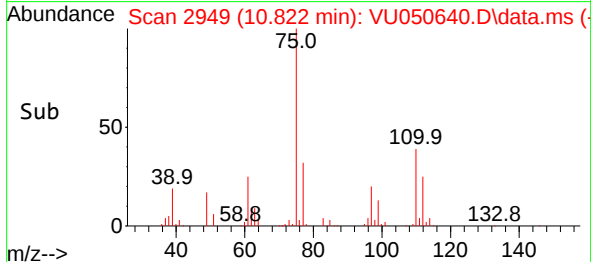
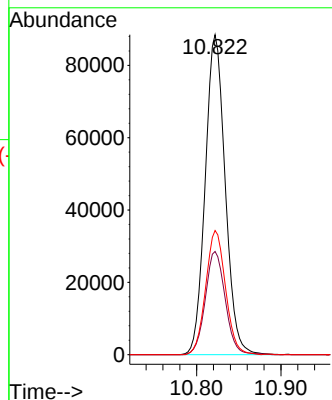
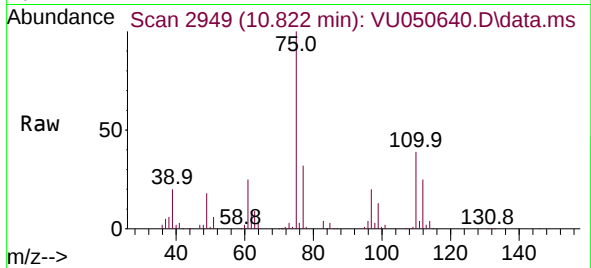




#60
1,2,3-Trichloropropane
Concen: 41.879 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

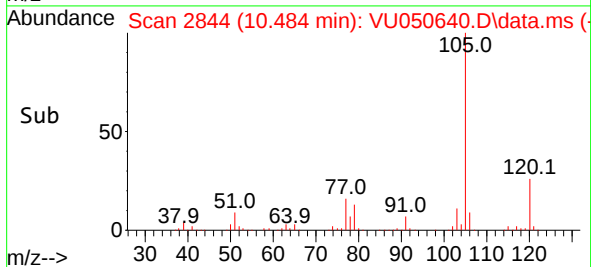
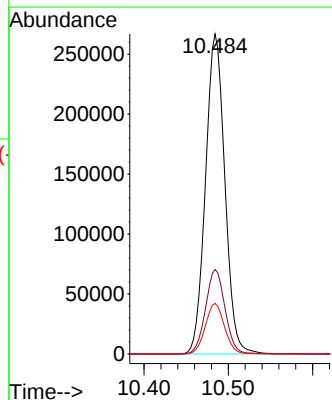
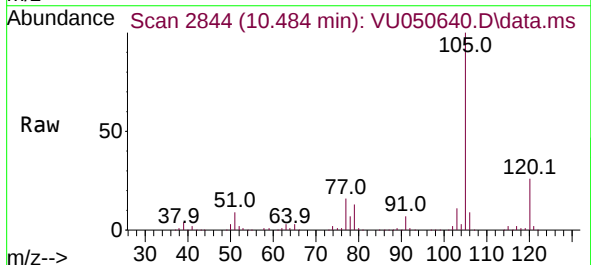
Instrument :
MSVOA_U
ClientSampleId :

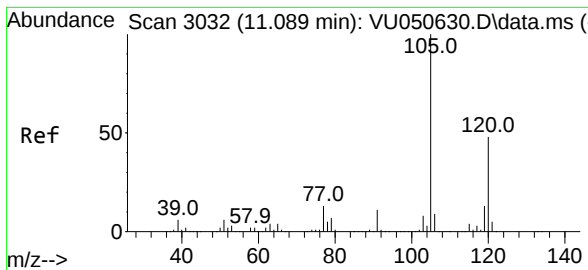
Tgt Ion: 75 Resp: 146141
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
110 38.5 29.3 43.9



#61
Isopropylbenzene
Concen: 45.314 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion: 105 Resp: 426594
Ion Ratio Lower Upper
105 100
120 26.6 20.4 30.6
77 15.7 12.8 19.2

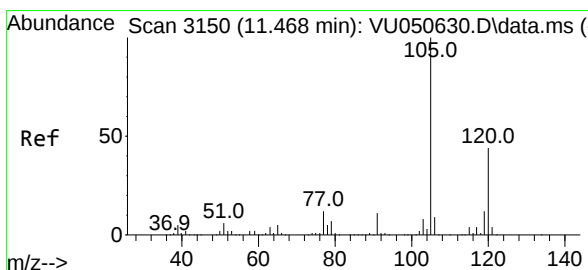
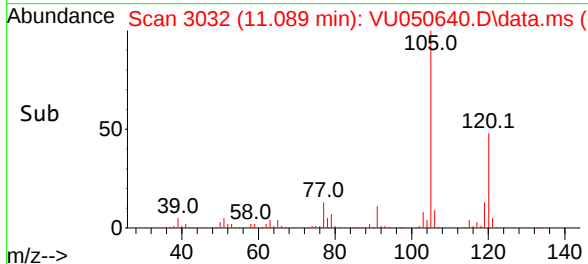
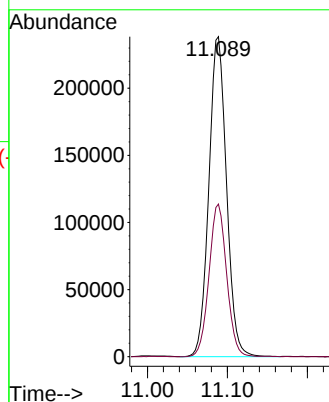
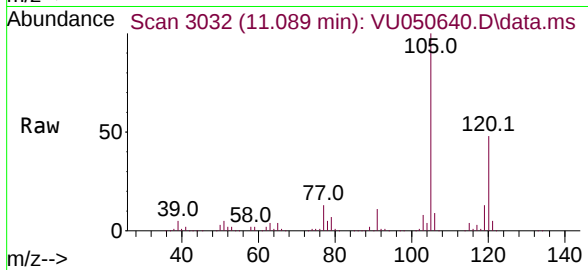




#62
 1,3,5-Trimethylbenzene
 Concen: 45.429 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050640.D
 Acq: 06 Sep 2022 17:44

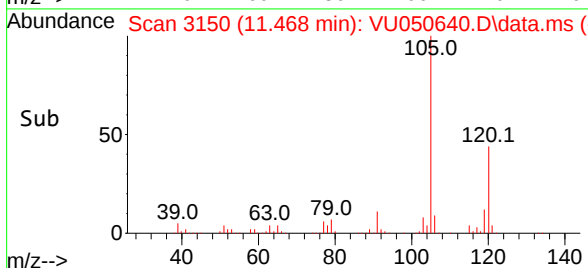
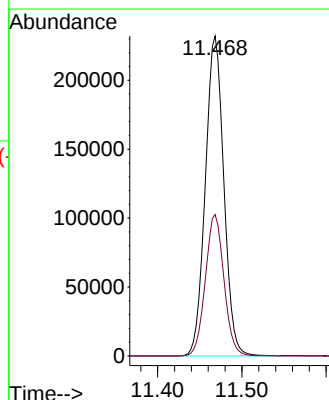
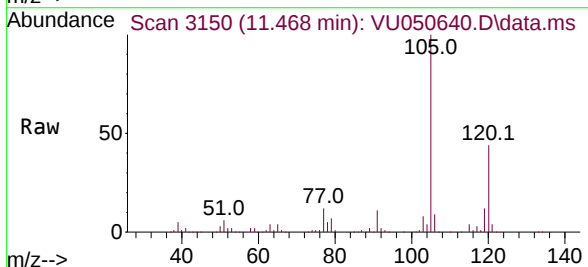
Instrument :
 MSVOA_U
 ClientSampleId :

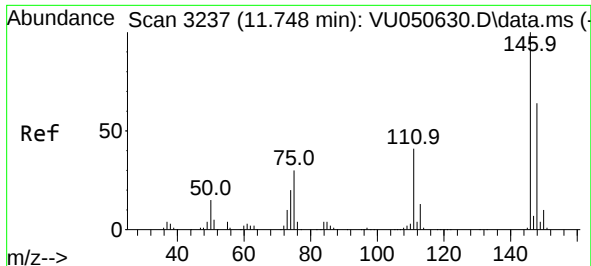
Tgt Ion:105 Resp: 365626
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 45.940 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050640.D
 Acq: 06 Sep 2022 17:44

Tgt Ion:105 Resp: 355055
 Ion Ratio Lower Upper
 105 100
 120 44.4 35.3 52.9

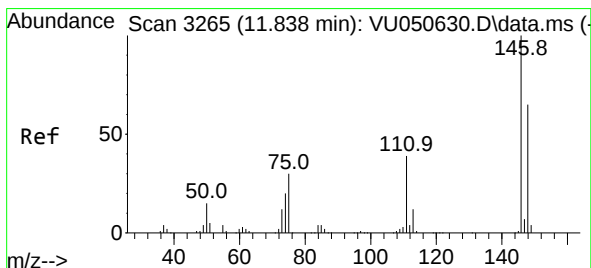
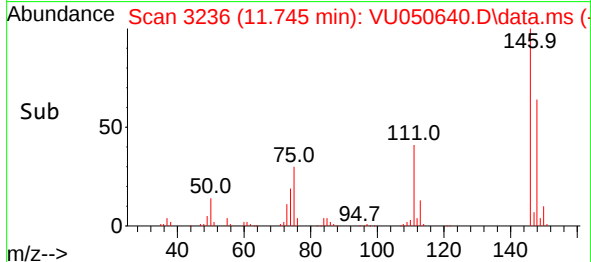
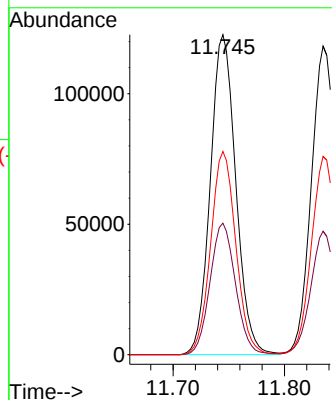
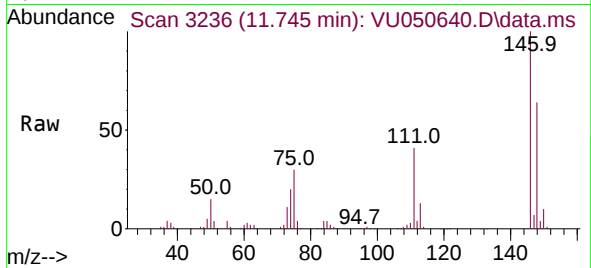




#64
1,3-Dichlorobenzene
Concen: 47.036 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

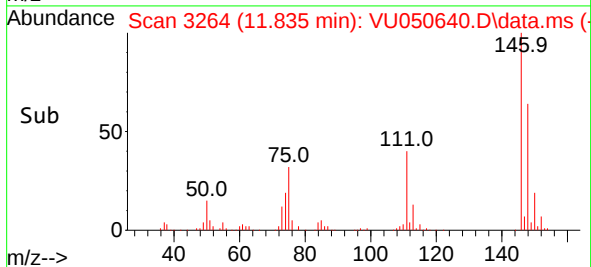
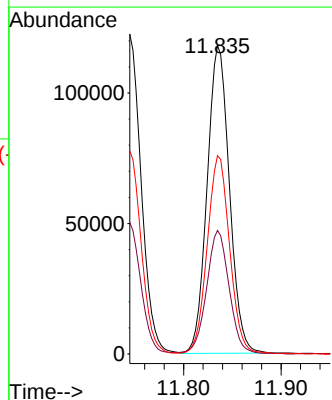
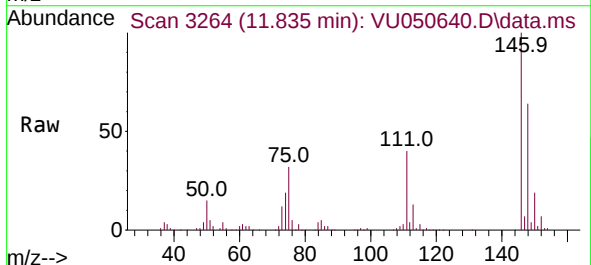
Instrument :
MSVOA_U
ClientSampleId :

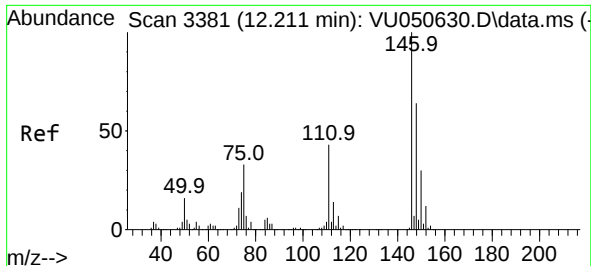
Tgt Ion:146 Resp: 194837
Ion Ratio Lower Upper
146 100
111 41.1 29.9 55.5
148 63.5 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 45.818 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion:146 Resp: 187602
Ion Ratio Lower Upper
146 100
111 40.0 27.9 51.7
148 64.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 46.057 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

Instrument :

MSVOA_U

ClientSampleId :

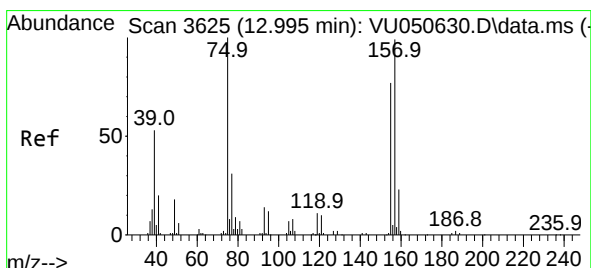
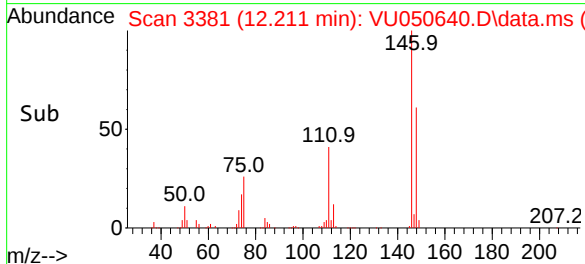
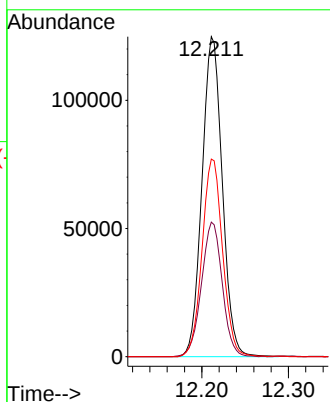
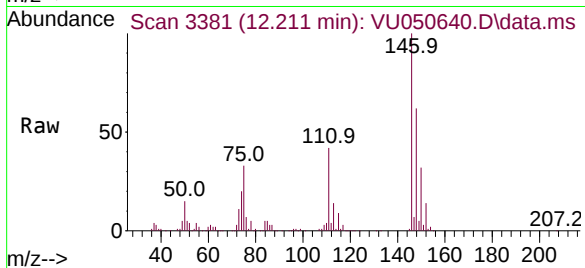
Tgt Ion:146 Resp: 203189

Ion Ratio Lower Upper

146 100

111 42.1 35.1 52.7

148 61.7 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 41.713 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050640.D

Acq: 06 Sep 2022 17:44

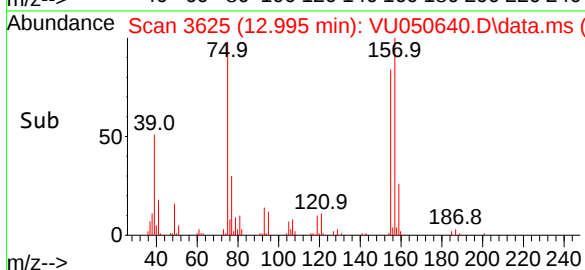
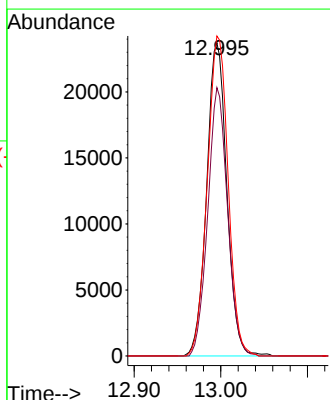
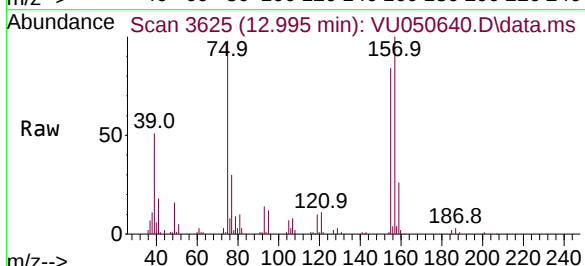
Tgt Ion: 75 Resp: 38440

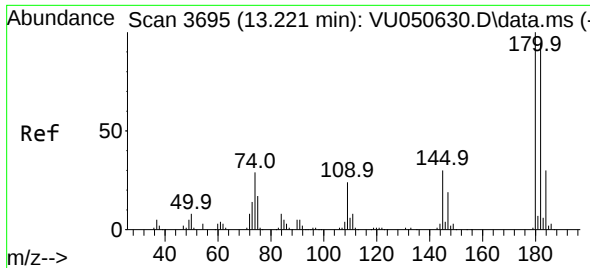
Ion Ratio Lower Upper

75 100

155 85.7 67.8 101.6

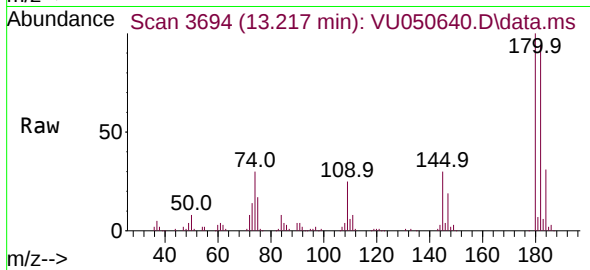
157 106.4 82.6 124.0



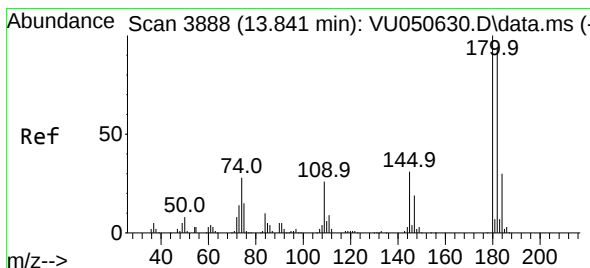
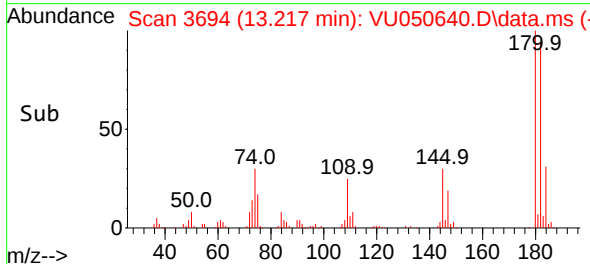
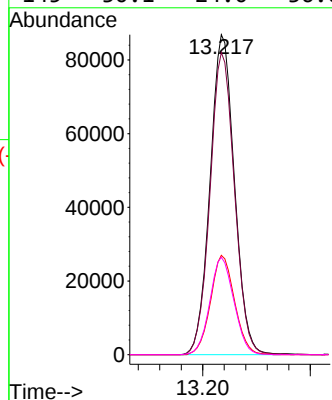


#69
 1,3,5-Trichlorobenzene
 Concen: 45.354 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.003 min
 Lab File: VU050640.D
 Acq: 06 Sep 2022 17:44

Instrument :
 MSVOA_U
 ClientSampleId :

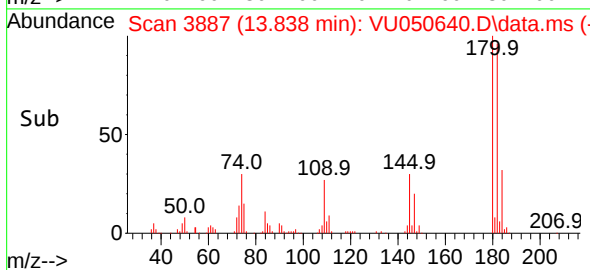
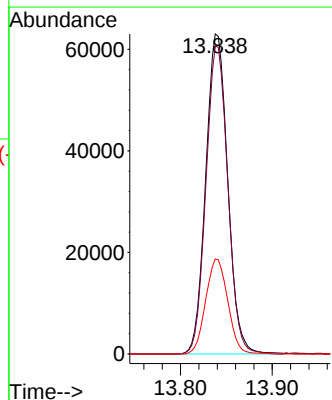
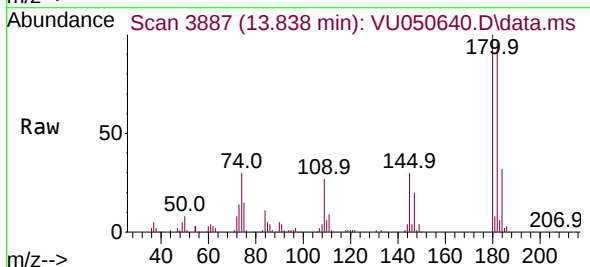


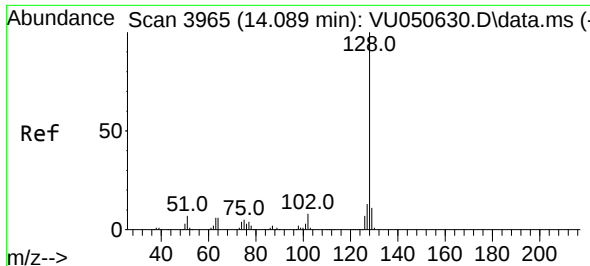
Tgt Ion:180 Resp: 136340
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.3 112.9
 184 30.7 23.8 35.8
 145 30.1 24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 41.161 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.003 min
 Lab File: VU050640.D
 Acq: 06 Sep 2022 17:44

Tgt Ion:180 Resp: 105066
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.2
 145 29.7 24.7 37.1

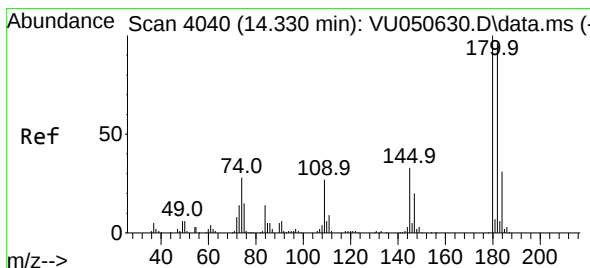
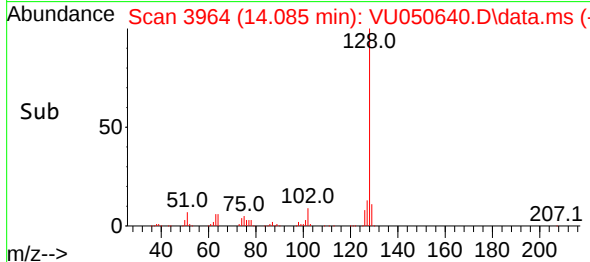
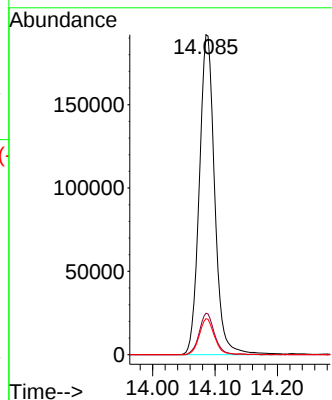
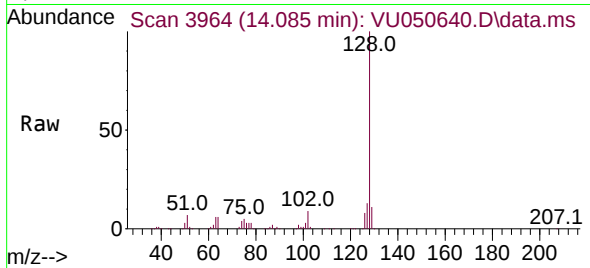




#71
Naphthalene
Concen: 36.369 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 329148
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.0 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 40.694 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050640.D
Acq: 06 Sep 2022 17:44

Tgt Ion:180 Resp: 112488
Ion Ratio Lower Upper
180 100
182 97.2 76.1 114.1
145 33.3 26.4 39.6

