

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111822\
 Data File : VU051900.D
 Acq On : 18 Nov 2022 12:52
 Operator : JC/MD
 Sample : MDL06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Quant Time: Nov 18 14:09:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	459602	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	458676	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	189152	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	93053	41.241	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.480%
7) Chloroethane-d5	1.903	69	102291	45.248	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.500%
11) 1,1-Dichloroethene-d2	2.565	63	120992	29.903	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.800%#
21) 2-Butanone-d5	4.616	46	254543	99.210	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.210%
24) Chloroform-d	5.060	84	262796	46.462	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.920%
26) 1,2-Dichloroethane-d4	5.697	65	166020	47.950	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.900%
32) Benzene-d6	5.726	84	461201	48.225	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.440%
36) 1,2-Dichloropropane-d6	6.687	67	175947	49.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.860%
41) Toluene-d8	7.896	98	355472	45.284	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.560%
43) trans-1,3-Dichloroprop...	8.176	79	64804	45.703	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.400%
47) 2-Hexanone-d5	8.629	63	171633	94.867	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.870%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	332191	47.946	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.900%
66) 1,2-Dichlorobenzene-d4	12.192	152	178695	53.682	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6148	2.179	ug/L	98
3) Chloromethane	1.523	50	9902	2.642	ug/L	97
5) Vinyl chloride	1.604	62	9054	2.329	ug/L #	26
6) Bromomethane	1.842	94	3811	2.263	ug/L	92
8) Chloroethane	1.925	64	6410	2.537	ug/L	90
9) Trichlorofluoromethane	2.134	101	10328	2.219	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	8225	2.805	ug/L	87
12) 1,1-Dichloroethene	2.575	96	7342	2.681	ug/L #	1
13) Acetone	2.623	43	9213	3.356	ug/L	99
14) Carbon disulfide	2.790	76	16428	2.165	ug/L	98
15) Methyl Acetate	2.951	43	8047	2.150	ug/L	99
16) Methylene chloride	3.047	84	12358	2.826	ug/L	92
17) trans-1,2-Dichloroethene	3.350	96	6664	2.258	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	20126	2.203	ug/L	96
19) 1,1-Dichloroethane	3.867	63	13721	2.284	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	7272	2.111	ug/L	87
22) 2-Butanone	4.710	43	10142	3.271	ug/L	84
23) Bromochloromethane	4.970	128	4507m	2.371	ug/L	
25) Chloroform	5.086	83	16048	2.560	ug/L	92

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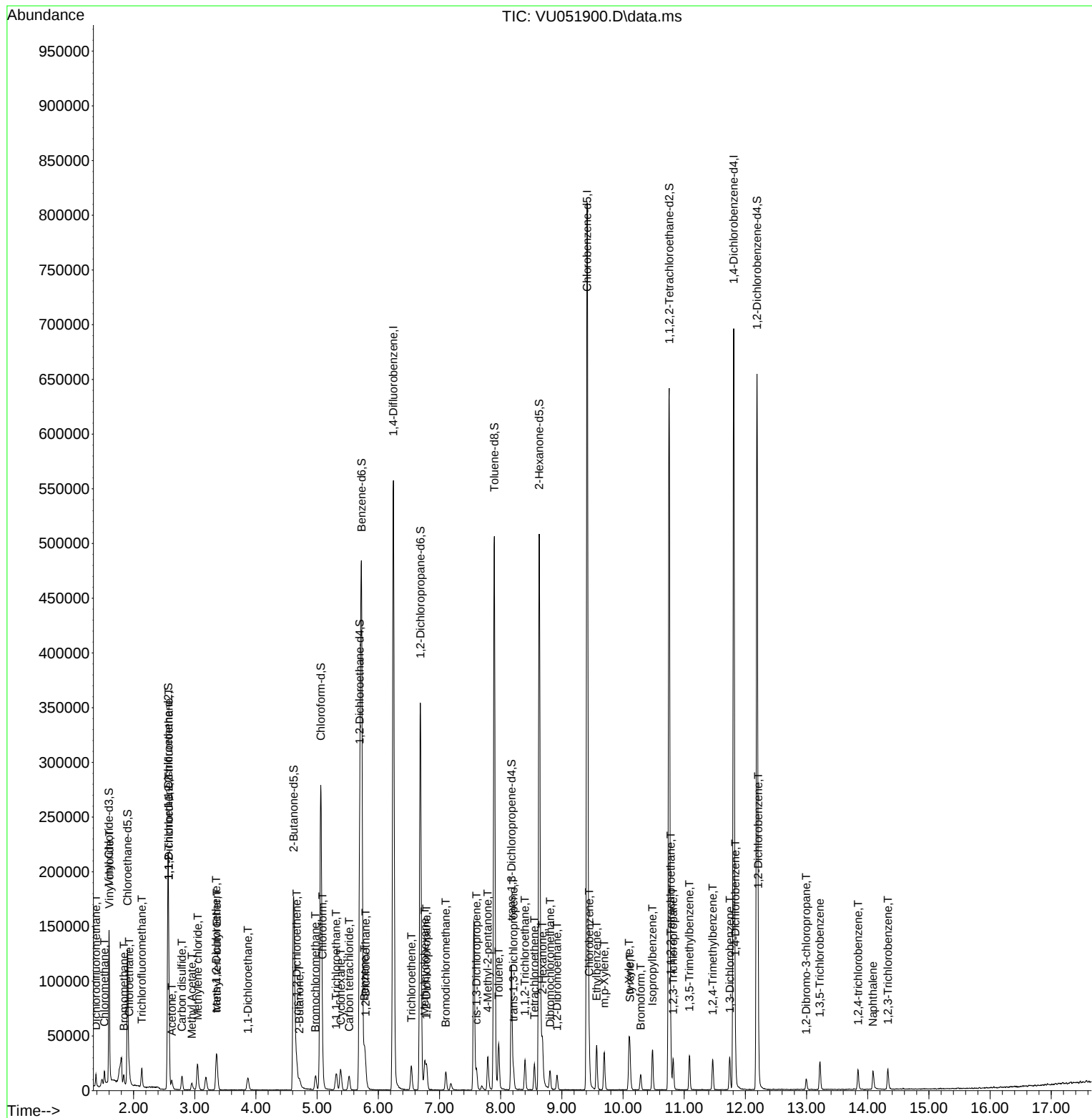
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	11278	2.435	ug/L	98
29) Cyclohexane	5.385	56	7294	1.864	ug/L	92
30) 1,1,1-Trichloroethane	5.311	97	10964	2.364	ug/L	97
31) Carbon tetrachloride	5.523	117	9082	2.343	ug/L	99
33) Benzene	5.774	78	31553	2.392	ug/L	100
34) Trichloroethene	6.542	95	7135	2.283	ug/L	91
35) Methylcyclohexane	6.761	83	9421	2.223	ug/L	96
37) 1,2-Dichloropropane	6.787	63	8452	2.262	ug/L #	94
38) Bromodichloromethane	7.102	83	11429	2.445	ug/L	95
39) cis-1,3-Dichloropropene	7.607	75	10993	2.249	ug/L	94
40) 4-Methyl-2-pentanone	7.790	43	18976	3.857	ug/L	97
42) Toluene	7.967	91	31322	2.308	ug/L	95
44) trans-1,3-Dichloropropene	8.208	75	12517	2.673	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	8697	2.291	ug/L	97
46) Tetrachloroethene	8.552	164	5493	2.200	ug/L	91
48) 2-Hexanone	8.684	43	22647	5.360	ug/L #	95
49) Dibromochloromethane	8.809	129	9776	2.497	ug/L	86
50) 1,2-Dibromoethane	8.922	107	9089	2.378	ug/L #	93
51) Chlorobenzene	9.446	112	21531	2.322	ug/L	97
52) Ethylbenzene	9.568	91	27682	1.993	ug/L	99
53) m,p-Xylene	9.693	106	9992	1.859	ug/L	95
54) o-Xylene	10.099	106	10125	1.850	ug/L	97
55) Styrene	10.115	104	15389	1.630	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	17792	2.480	ug/L #	96
59) Bromoform	10.288	173	6385	2.490	ug/L #	98
60) 1,2,3-Trichloropropane	10.819	75	11768	2.601	ug/L	96
61) Isopropylbenzene	10.481	105	22887	2.070	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	17201	1.909	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	15010	1.705	ug/L	93
64) 1,3-Dichlorobenzene	11.745	146	13322	2.378	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	13669	2.409	ug/L	90
67) 1,2-Dichlorobenzene	12.211	146	15266	2.562	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	2975	2.568	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	8995	2.420	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	6501	2.206	ug/L	94
71) Naphthalene	14.086	128	16640	1.717	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	6991	2.168	ug/L	95

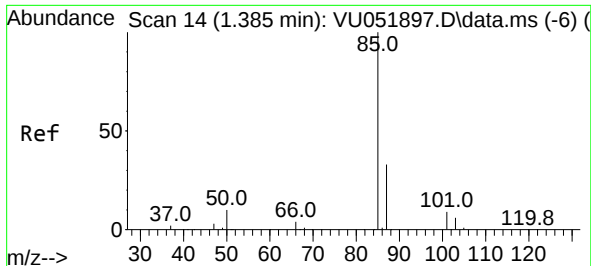
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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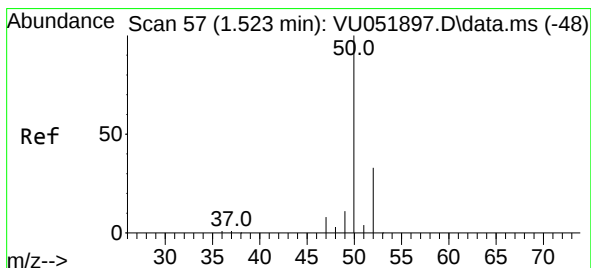
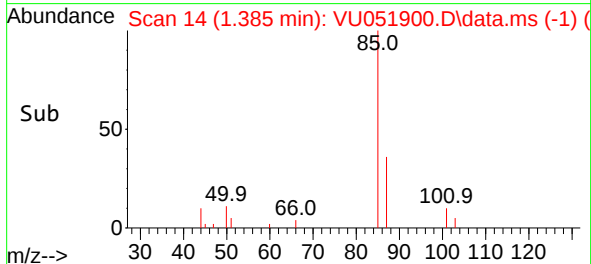
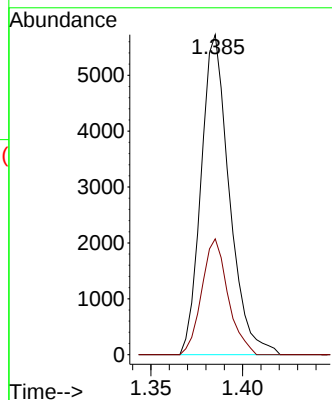
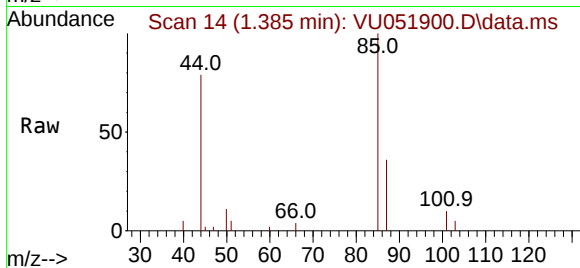




#2
Dichlorodifluoromethane
Concen: 2.179 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

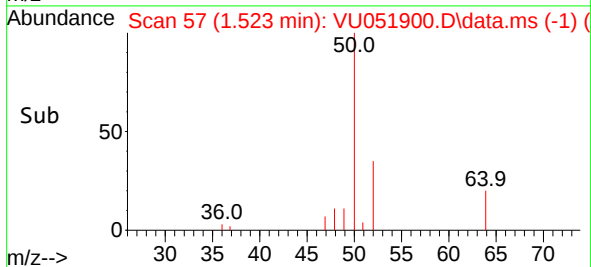
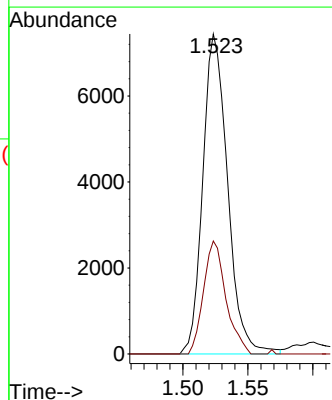
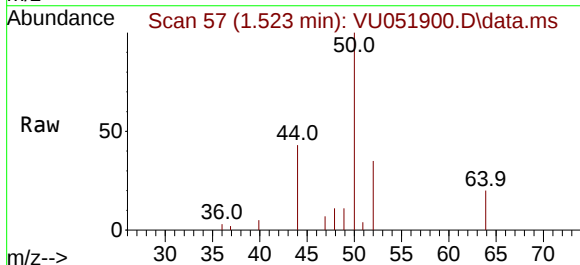
Instrument :
MSVOA_U
ClientSampleId :
MDL06

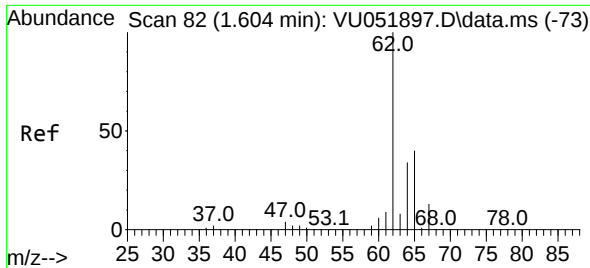
Tgt Ion: 85 Resp: 6148
Ion Ratio Lower Upper
85 100
87 33.6 26.0 39.0



#3
Chloromethane
Concen: 2.642 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion: 50 Resp: 9902
Ion Ratio Lower Upper
50 100
52 35.3 23.4 43.6

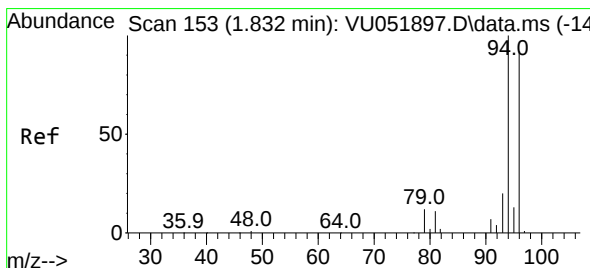
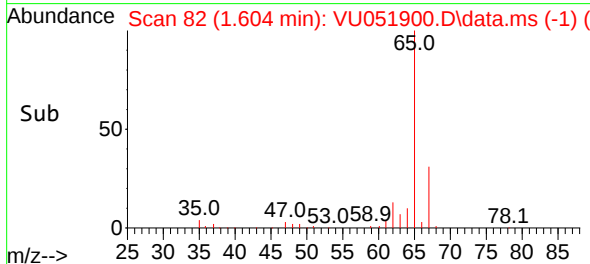
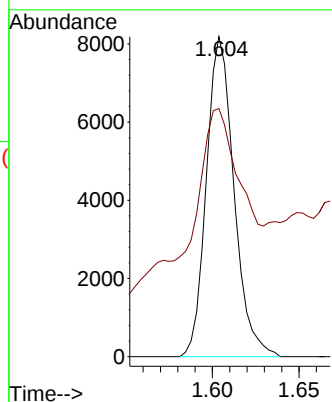
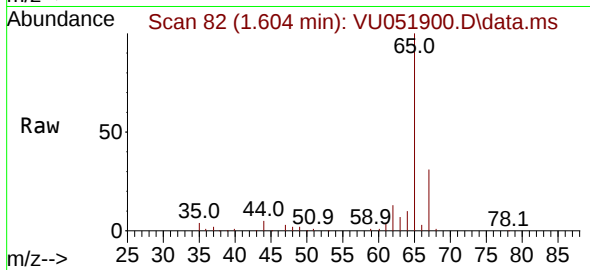




#5
 Vinyl chloride
 Concen: 2.329 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051900.D
 Acq: 18 Nov 2022 12:52

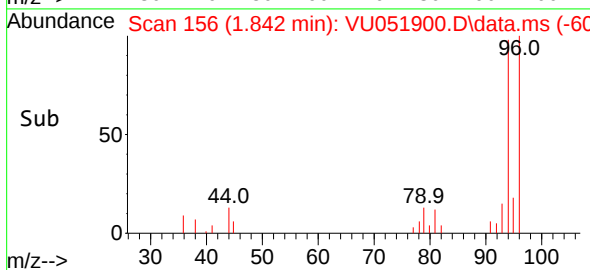
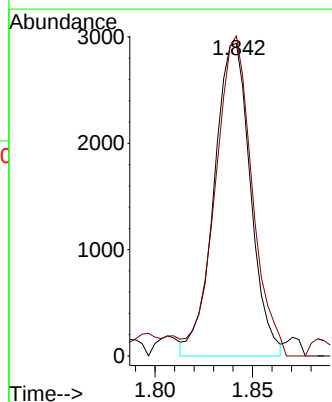
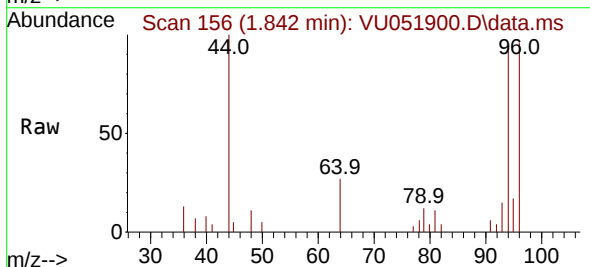
Instrument :
 MSVOA_U
 ClientSampleId :
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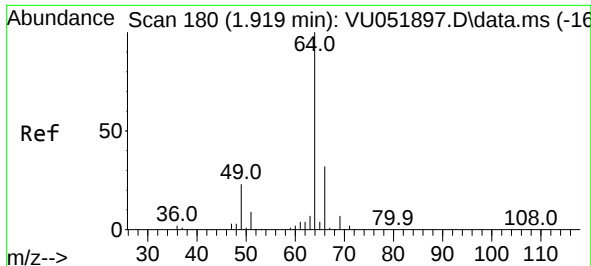
Tgt Ion: 62 Resp: 9054
 Ion Ratio Lower Upper
 62 100
 64 77.5 24.3 45.1#



#6
 Bromomethane
 Concen: 2.263 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.010 min
 Lab File: VU051900.D
 Acq: 18 Nov 2022 12:52

Tgt Ion: 94 Resp: 3811
 Ion Ratio Lower Upper
 94 100
 96 102.3 66.1 122.7

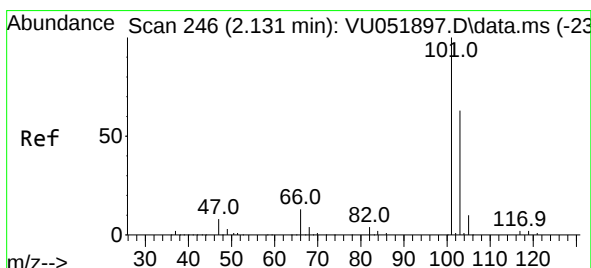
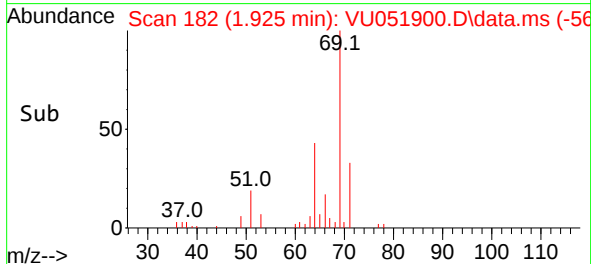
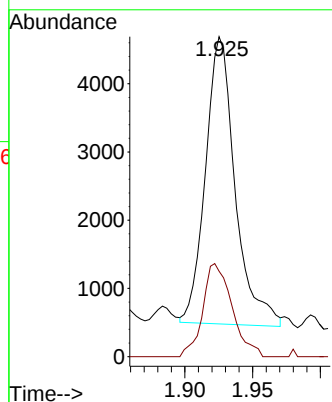
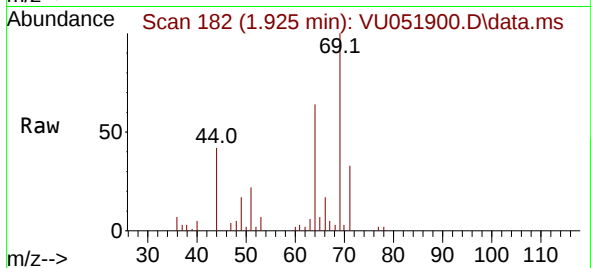




#8
Chloroethane
Concen: 2.537 ug/L
RT: 1.925 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

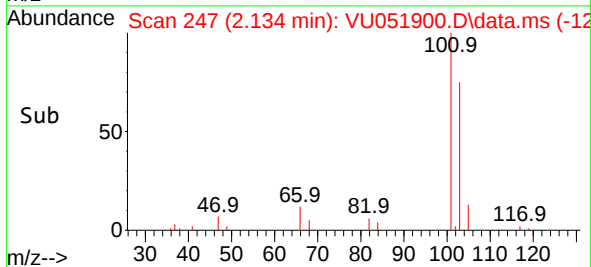
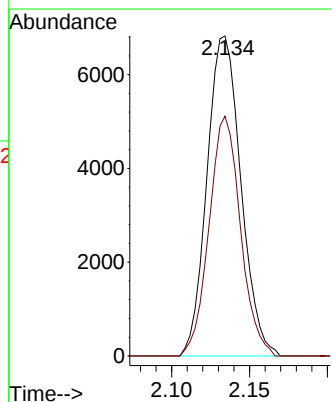
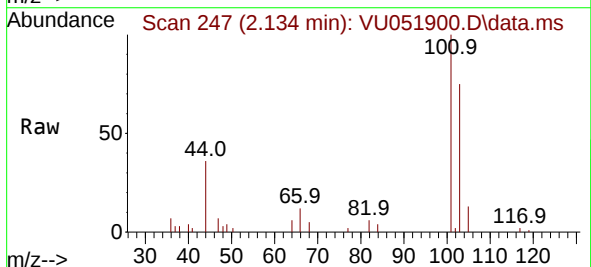
Instrument :
MSVOA_U
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MDL06

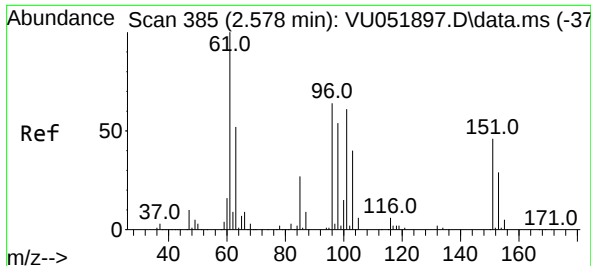
Tgt Ion: 64 Resp: 6410
Ion Ratio Lower Upper
64 100
66 26.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.219 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion: 101 Resp: 10328
Ion Ratio Lower Upper
101 100
103 69.5 51.4 77.2





#10

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

Concen: 2.805 ug/L

RT: 2.575 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

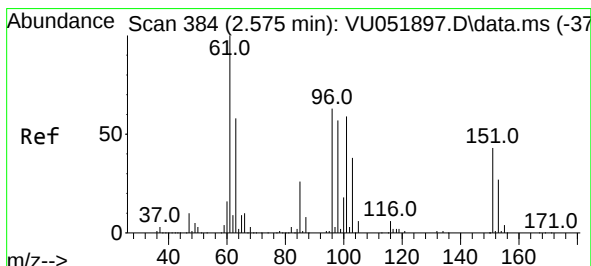
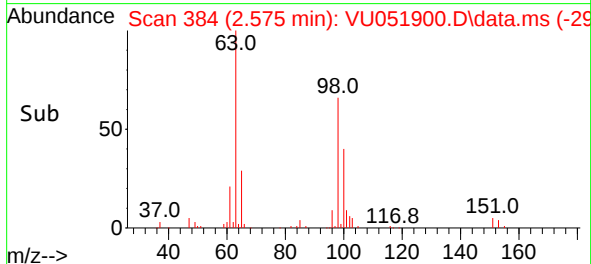
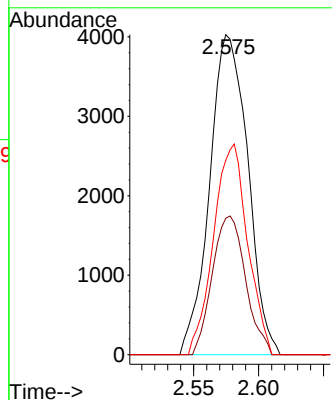
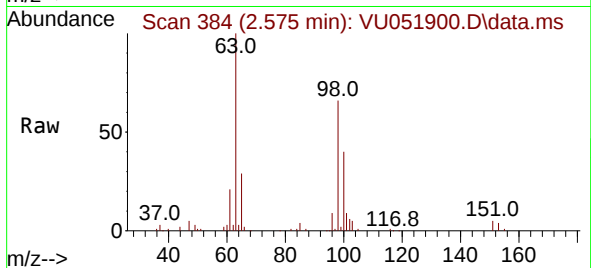
Tgt Ion:101 Resp: 8225

Ion Ratio Lower Upper

101 100

85 37.8 34.2 51.2

151 58.8 58.3 87.5



#12

1,1-Dichloroethene

Concen: 2.681 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

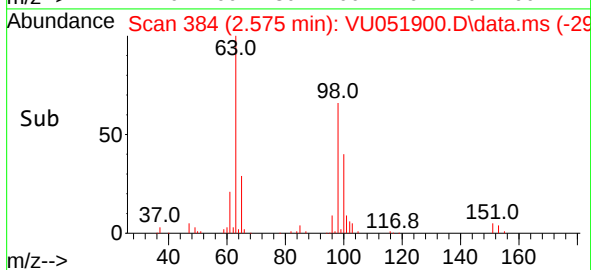
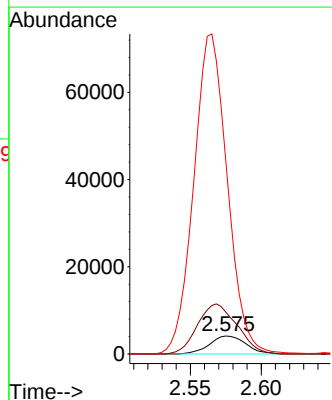
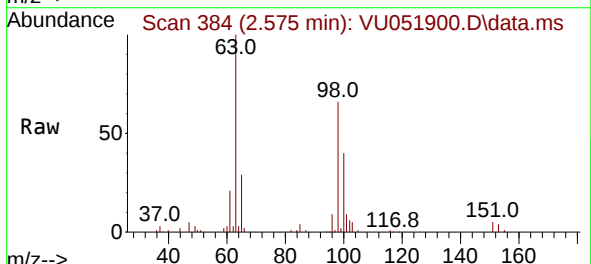
Tgt Ion: 96 Resp: 7342

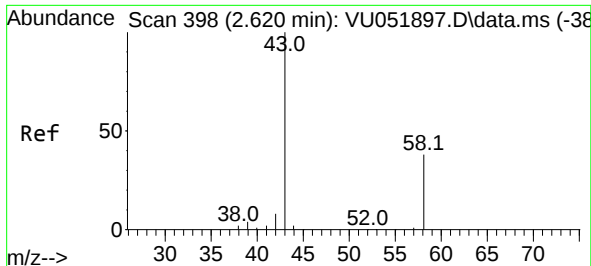
Ion Ratio Lower Upper

96 100

61 234.5 110.7 205.5#

63 1092.8 68.6 127.4#





#13

Acetone

Concen: 3.356 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

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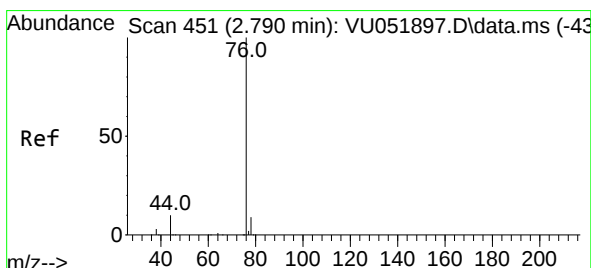
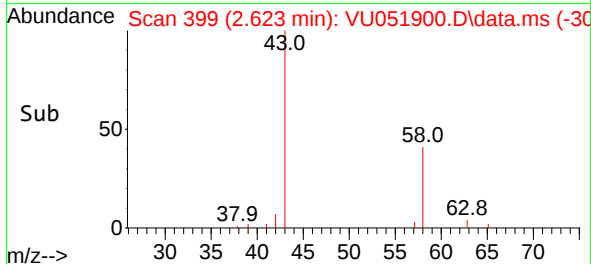
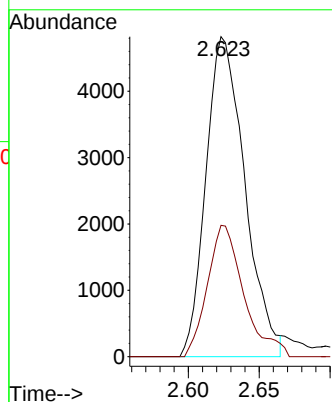
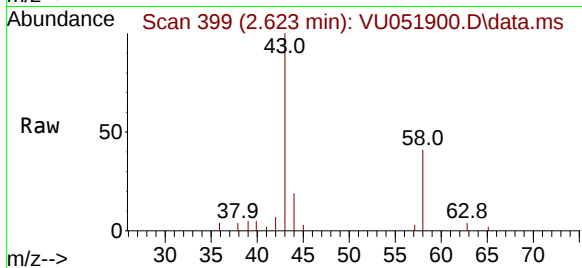
MDL06

Tgt Ion: 43 Resp: 9213

Ion Ratio Lower Upper

43 100

58 38.2 0.0 75.4



#14

Carbon disulfide

Concen: 2.165 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051900.D

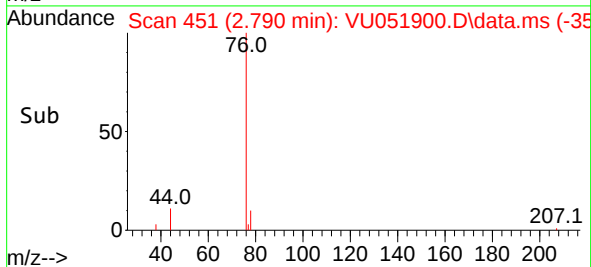
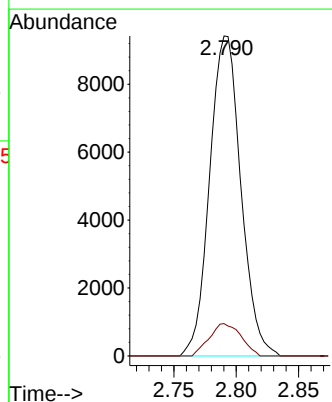
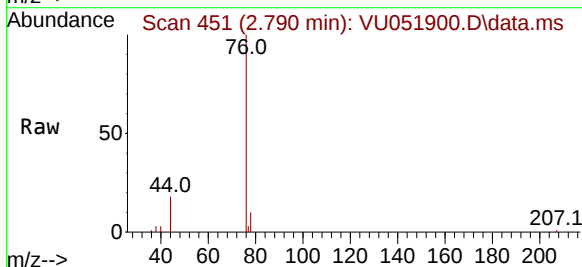
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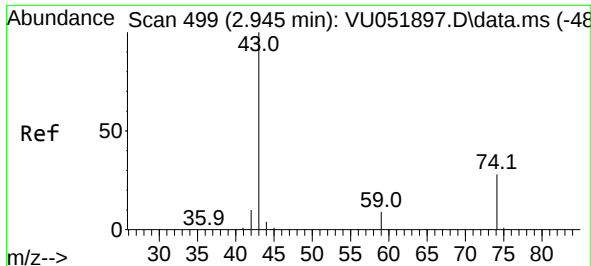
Tgt Ion: 76 Resp: 16428

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0

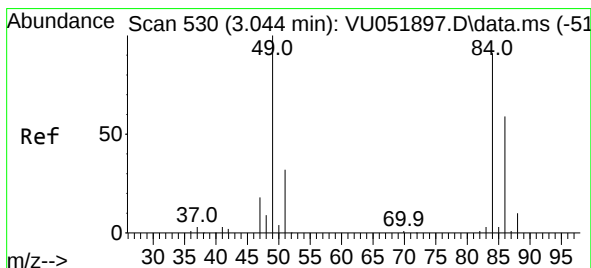
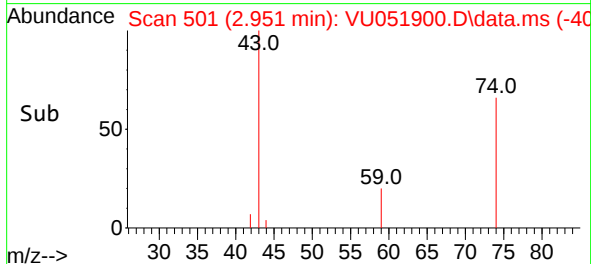
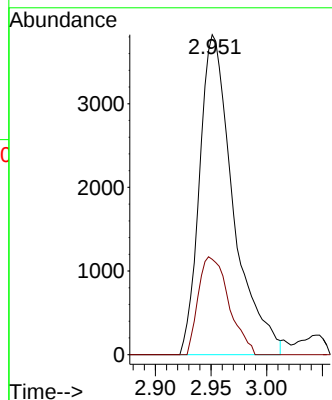
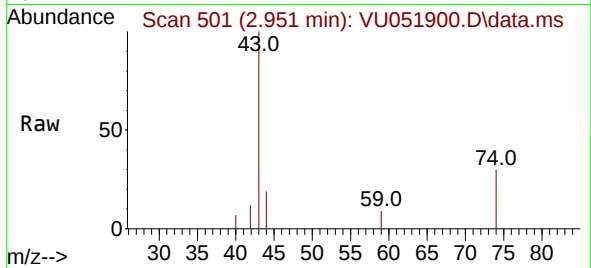




#15
Methyl Acetate
Concen: 2.150 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.010 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

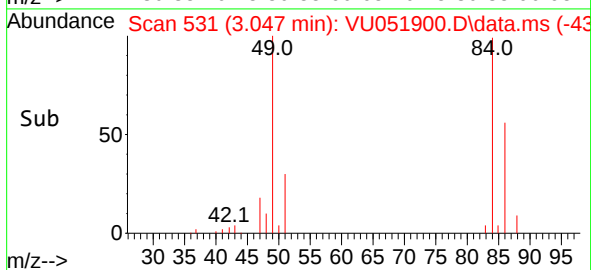
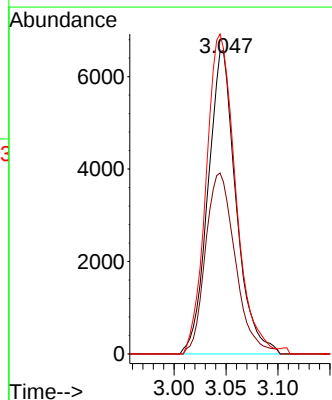
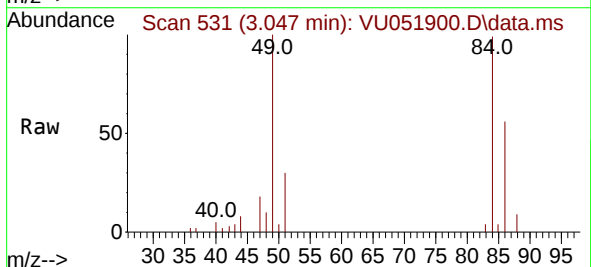
Instrument :
MSVOA_U
ClientSampleId :
MDL06

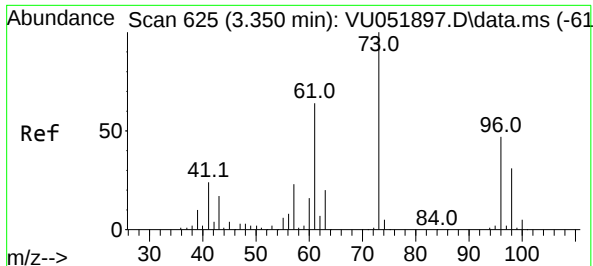
Tgt Ion: 43 Resp: 8047
Ion Ratio Lower Upper
43 100
74 27.7 21.8 32.8



#16
Methylene chloride
Concen: 2.826 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.006 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion: 84 Resp: 12358
Ion Ratio Lower Upper
84 100
86 56.7 44.7 82.9
49 100.8 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 2.258 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

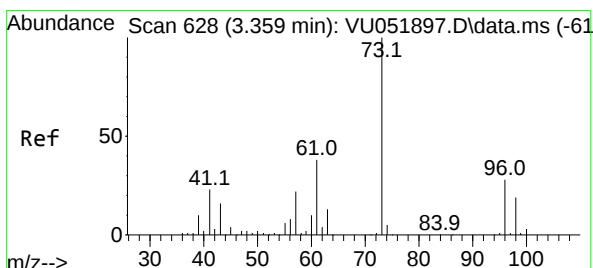
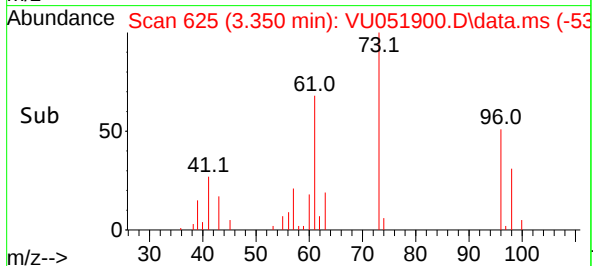
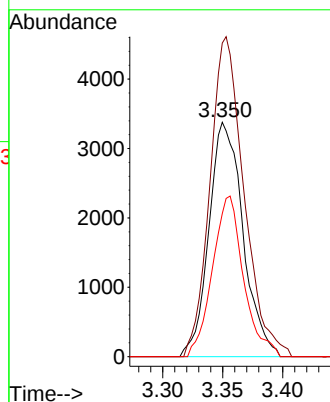
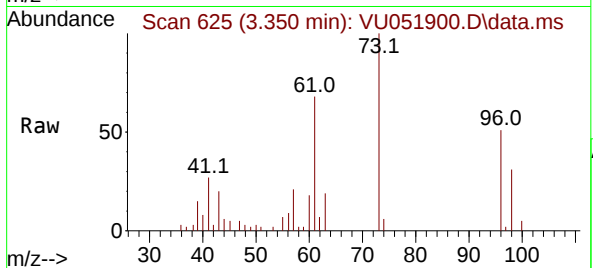
Tgt Ion: 96 Resp: 6664

Ion Ratio Lower Upper

96 100

61 133.8 98.3 182.7

98 61.0 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 2.203 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

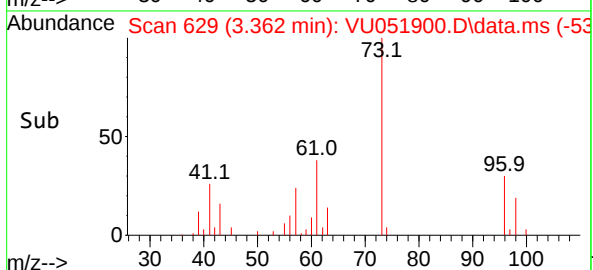
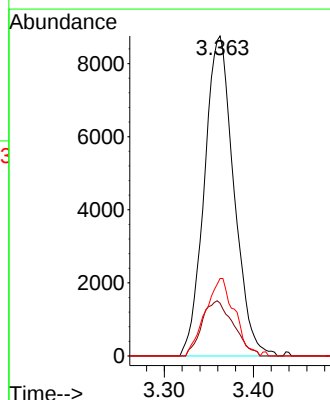
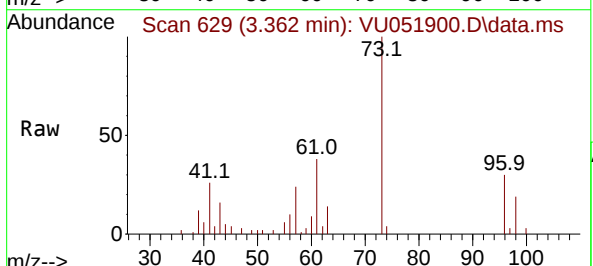
Tgt Ion: 73 Resp: 20126

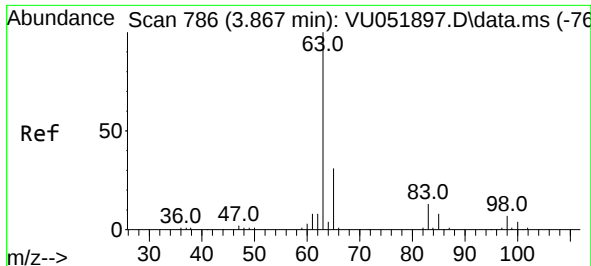
Ion Ratio Lower Upper

73 100

43 18.5 13.4 20.0

57 24.0 17.7 26.5

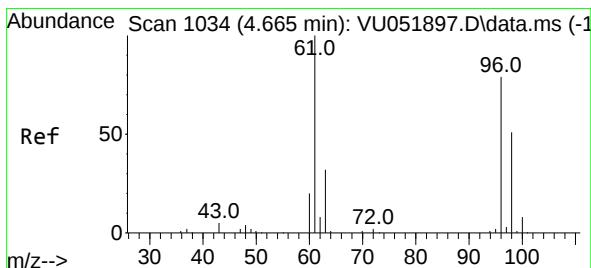
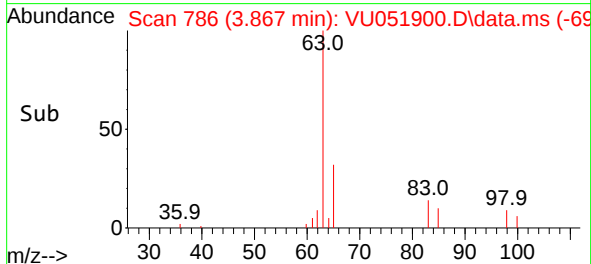
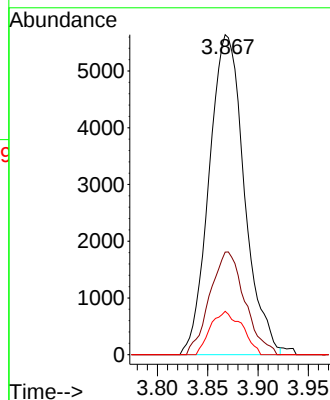
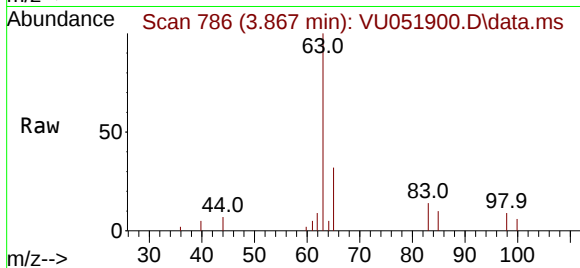




#19
1,1-Dichloroethane
Concen: 2.284 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

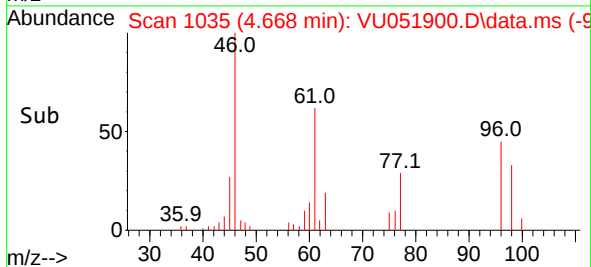
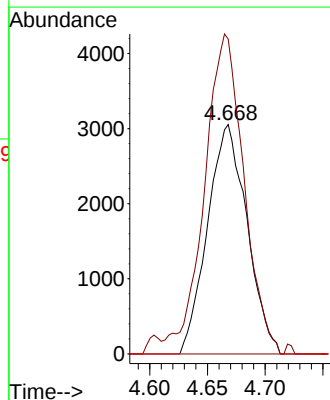
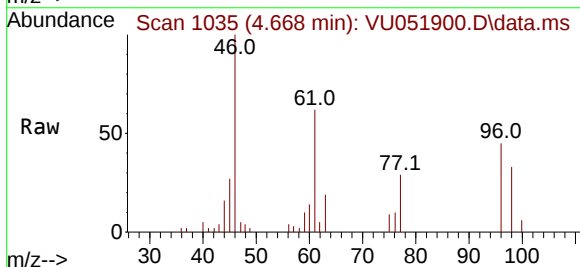
Instrument :
MSVOA_U
ClientSampleId :
MDL06

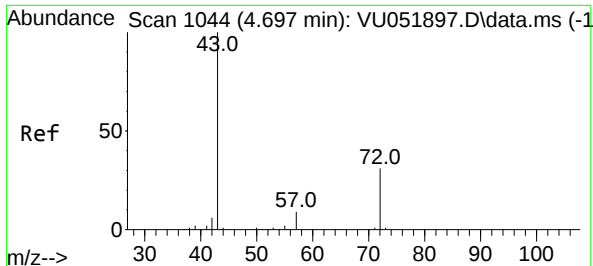
Tgt Ion:	63	Resp:	13721
Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.2	41.2
83	13.6	9.6	17.8



#20
cis-1,2-Dichloroethene
Concen: 2.111 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion:	96	Resp:	7272
Ion	Ratio	Lower	Upper
96	100		
61	137.2	86.0	159.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.271 ug/L

RT: 4.710 min Scan# 1044

Delta R.T. 0.013 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

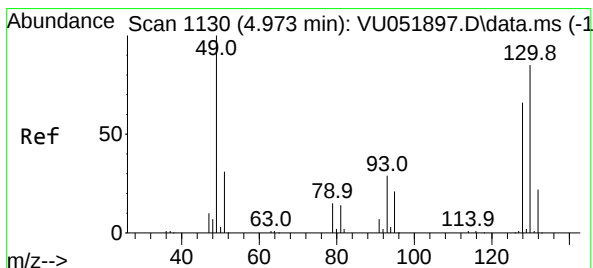
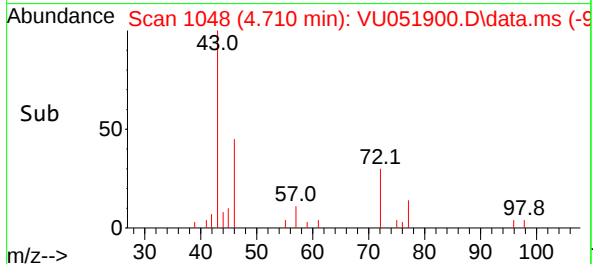
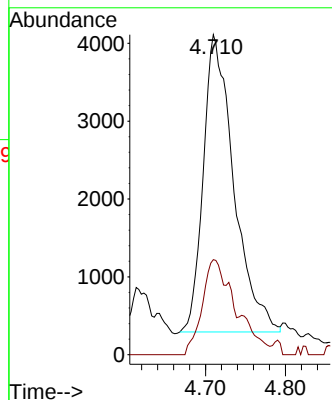
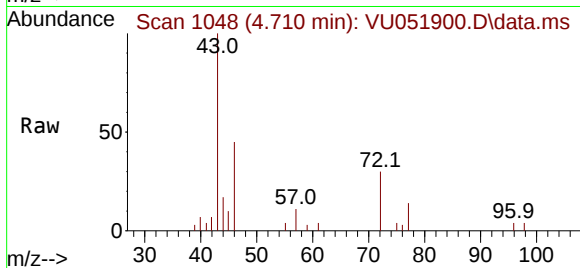
MDL06

Tgt Ion: 43 Resp: 10142

Ion Ratio Lower Upper

43 100

72 22.6 15.7 47.1



#23

Bromochloromethane

Concen: 2.371 ug/L m

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Tgt Ion: 128 Resp: 4507

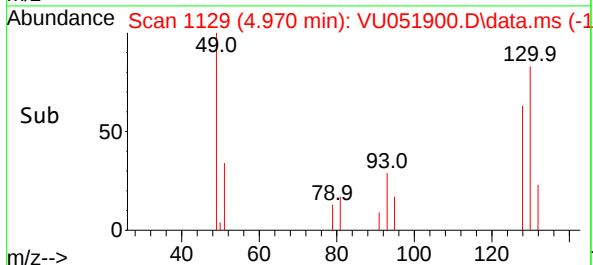
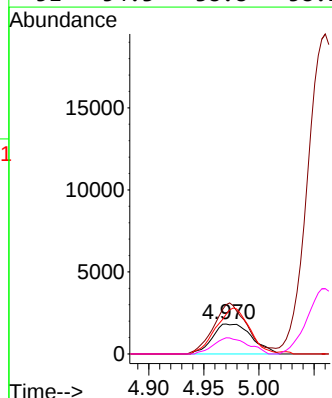
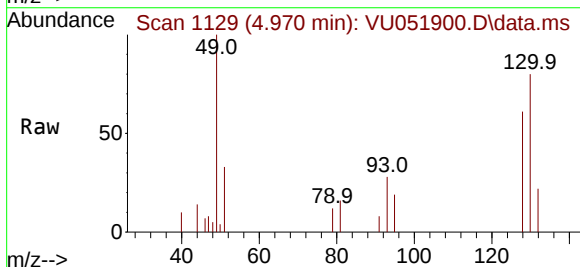
Ion Ratio Lower Upper

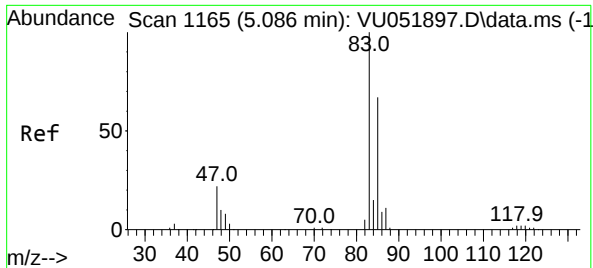
128 100

49 165.0 107.2 199.0

130 132.7 92.5 171.7

51 54.3 38.8 58.2





#25

Chloroform

Concen: 2.560 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

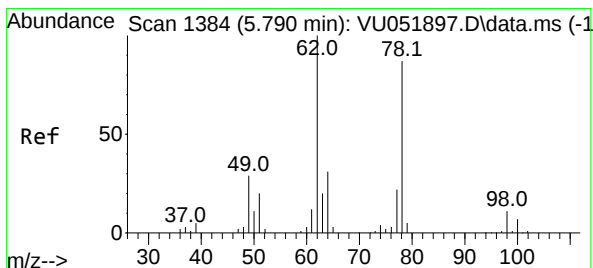
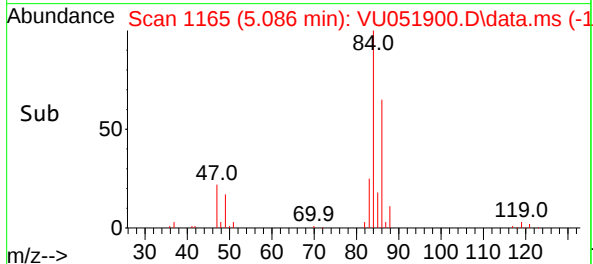
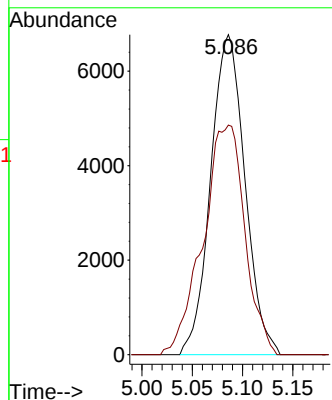
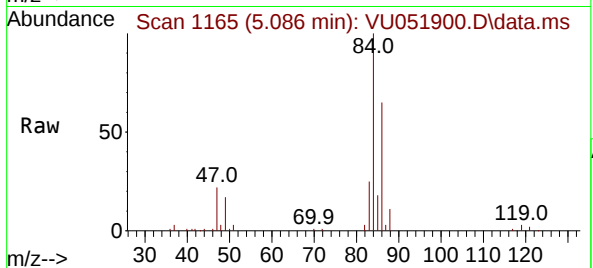
MDL06

Tgt Ion: 83 Resp: 16048

Ion Ratio Lower Upper

83 100

85 71.8 45.6 84.8



#27

1,2-Dichloroethane

Concen: 2.435 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051900.D

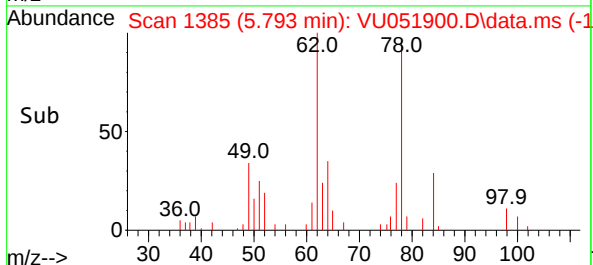
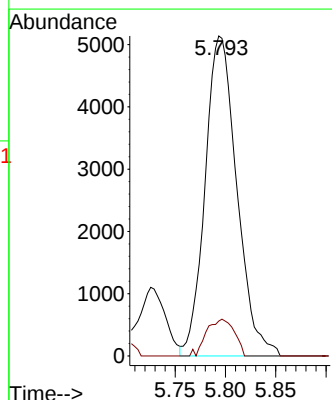
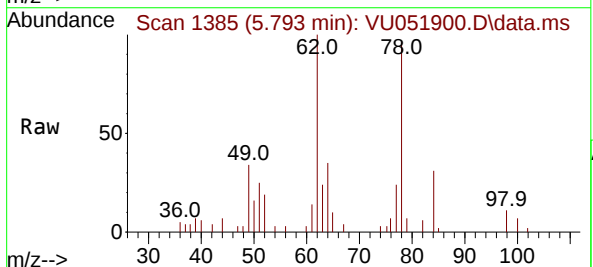
Acq: 18 Nov 2022 12:52

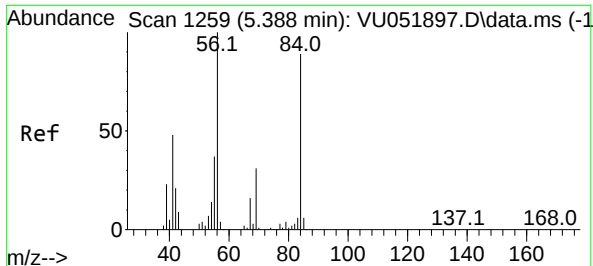
Tgt Ion: 62 Resp: 11278

Ion Ratio Lower Upper

62 100

98 10.9 8.1 12.1





#29

Cyclohexane

Concen: 1.864 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

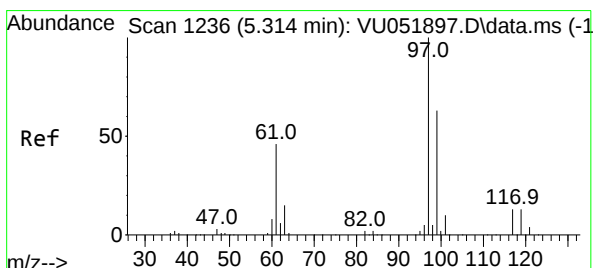
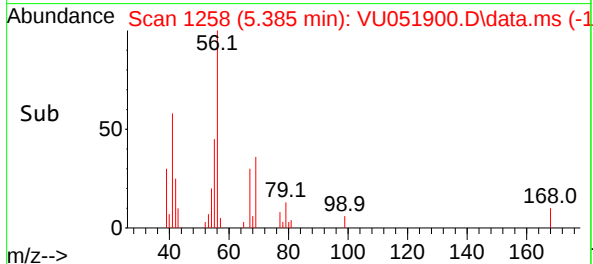
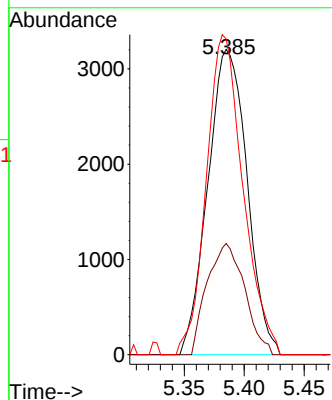
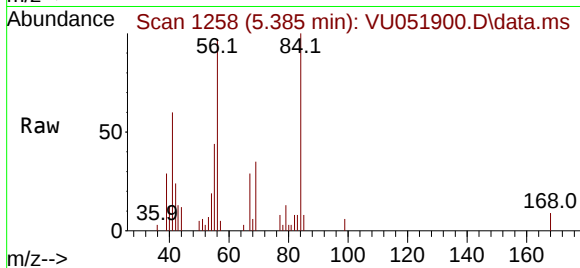
Tgt Ion: 56 Resp: 7294

Ion Ratio Lower Upper

56 100

69 34.8 25.4 38.2

84 97.9 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 2.364 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

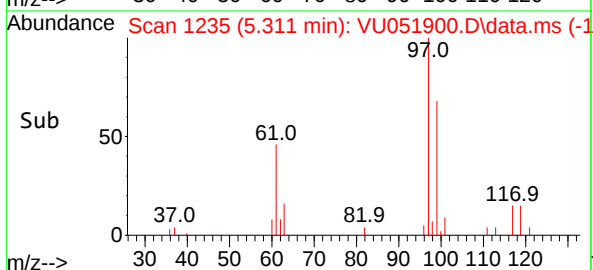
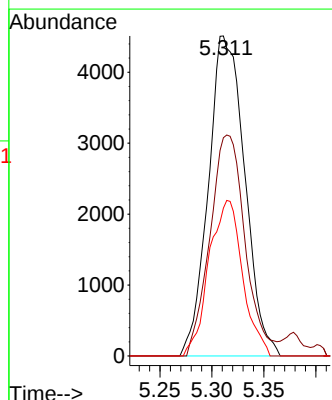
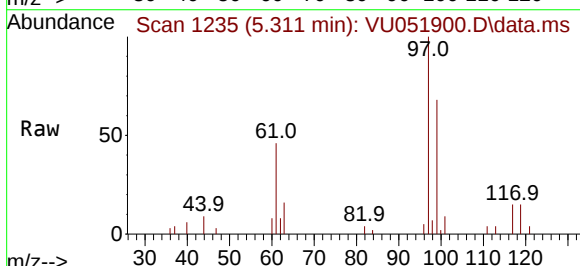
Tgt Ion: 97 Resp: 10964

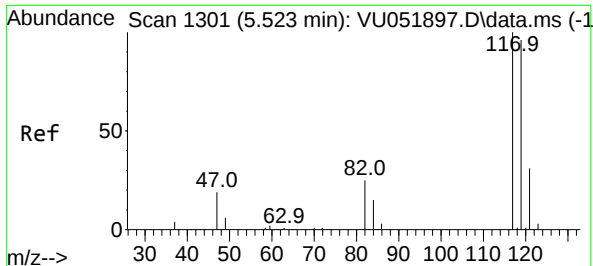
Ion Ratio Lower Upper

97 100

99 67.0 51.2 76.8

61 45.0 37.4 56.2

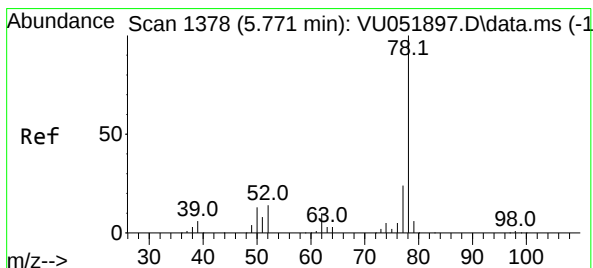
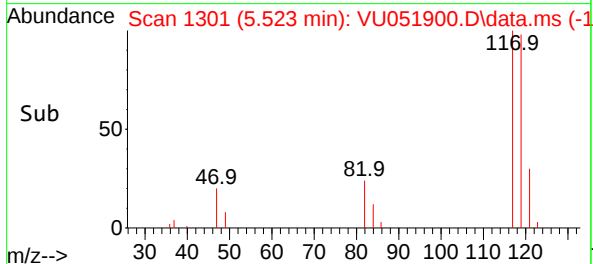
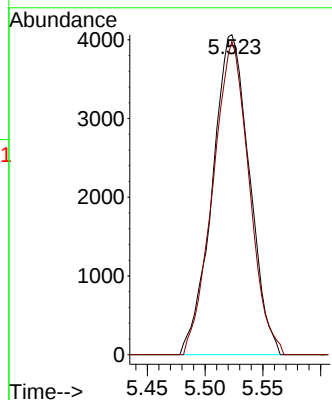
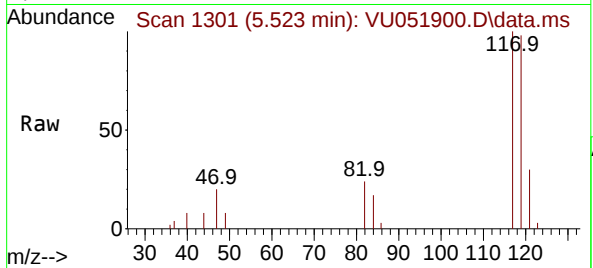




#31
Carbon tetrachloride
Concen: 2.343 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

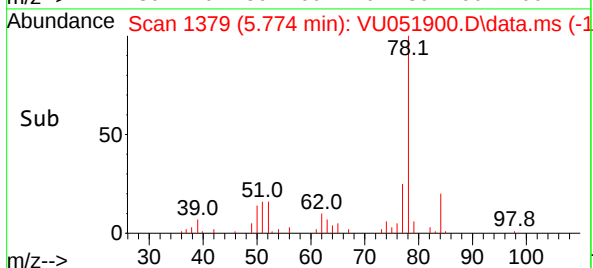
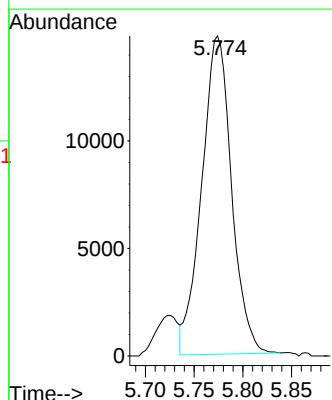
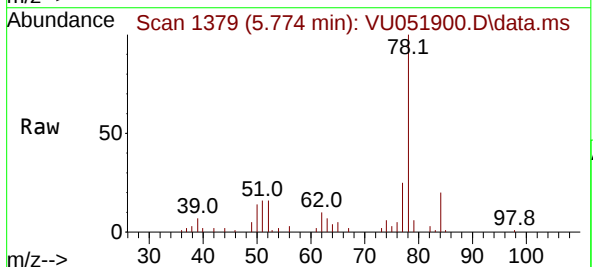
Instrument :
MSVOA_U
ClientSampleId :
MDL06

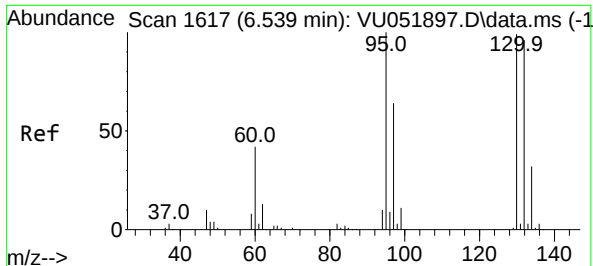
Tgt Ion:117 Resp: 9082
Ion Ratio Lower Upper
117 100
119 95.4 75.6 113.4



#33
Benzene
Concen: 2.392 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion: 78 Resp: 31553



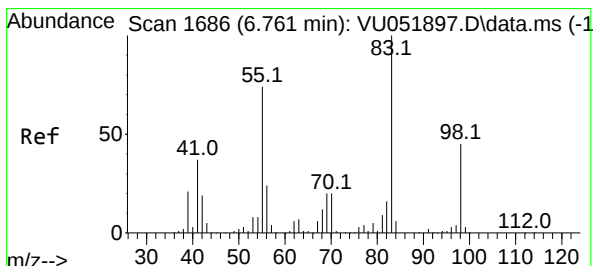
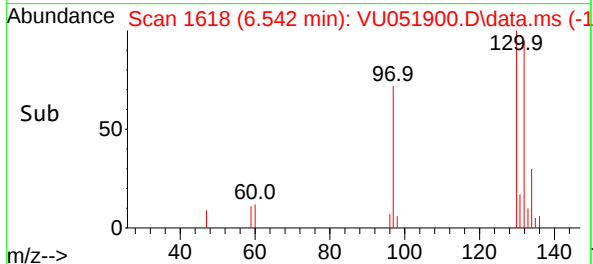
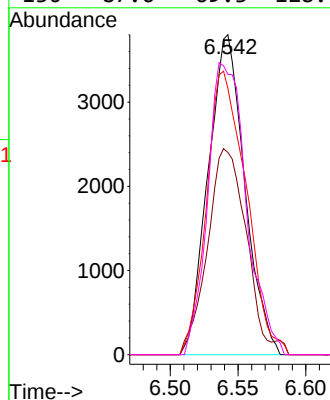
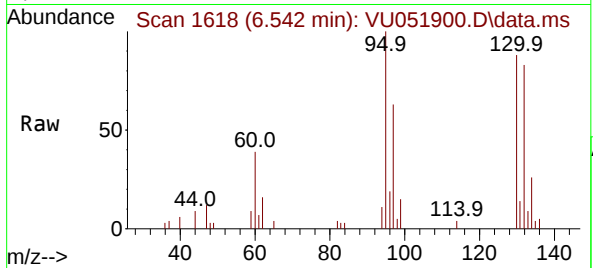


#34
Trichloroethene
Concen: 2.283 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 95 Resp: 7135

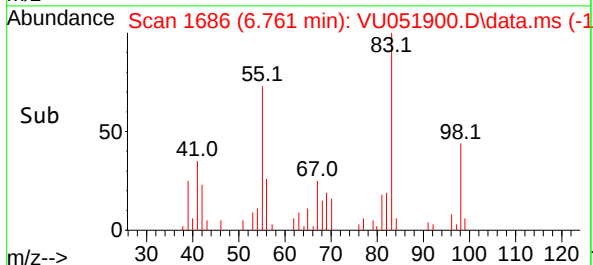
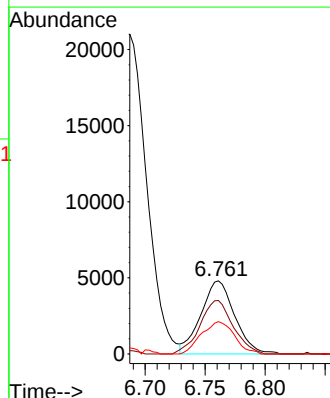
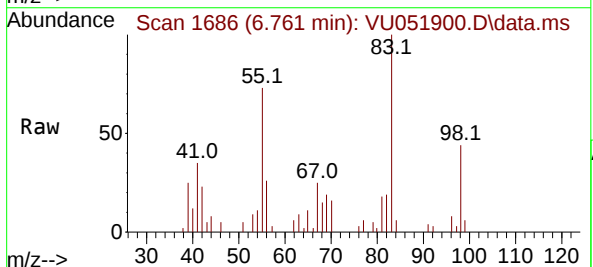
Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.8	85.0
132	83.2	65.3	121.3
130	87.6	69.3	128.7

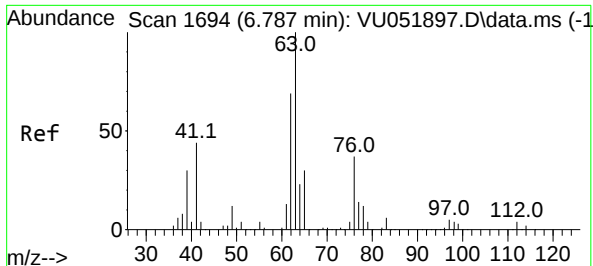


#35
Methylcyclohexane
Concen: 2.223 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion: 83 Resp: 9421

Ion	Ratio	Lower	Upper
83	100		
55	71.4	60.0	90.0
98	43.0	35.8	53.8





#37

1,2-Dichloropropane

Concen: 2.262 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

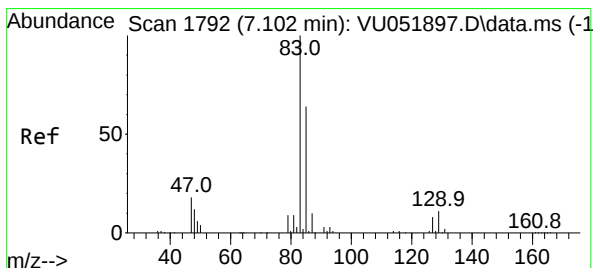
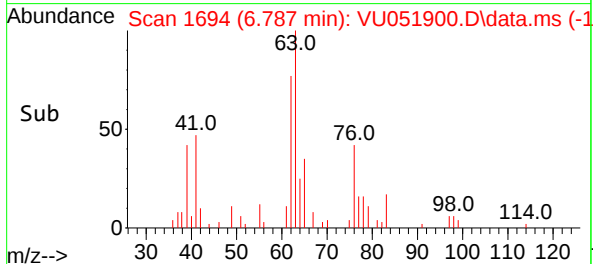
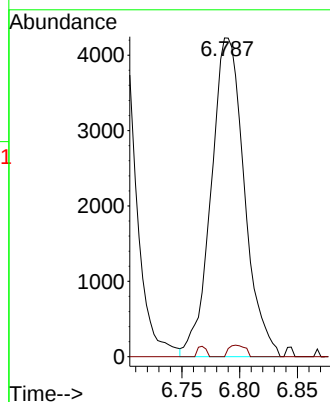
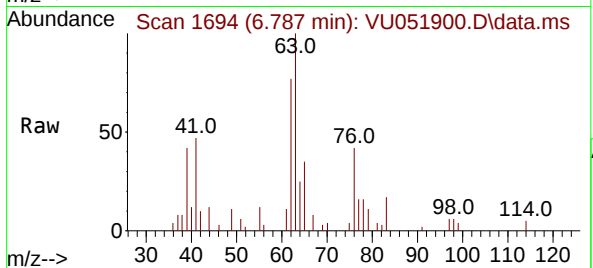
MDL06

Tgt Ion: 63 Resp: 8452

Ion Ratio Lower Upper

63 100

112 1.8 3.0 4.6#



#38

Bromodichloromethane

Concen: 2.445 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

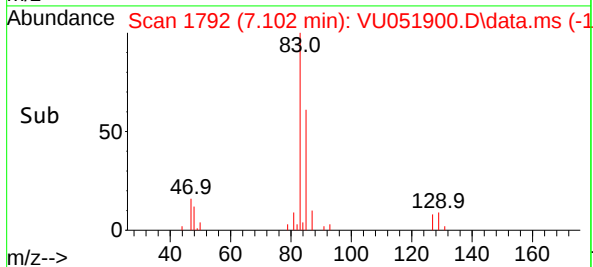
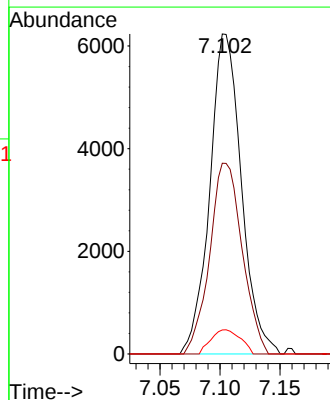
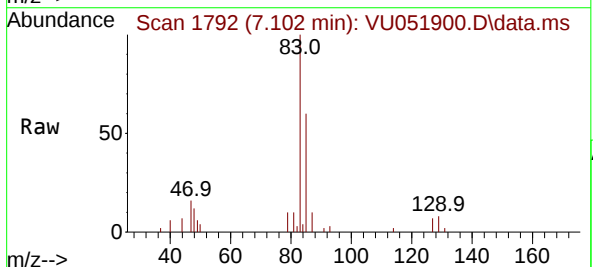
Tgt Ion: 83 Resp: 11429

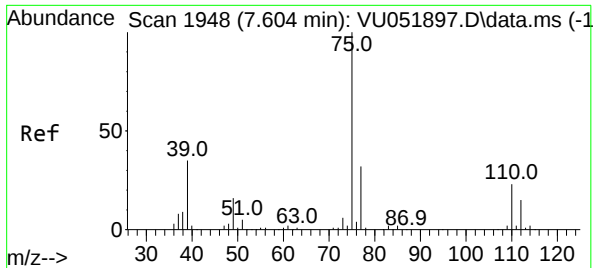
Ion Ratio Lower Upper

83 100

85 59.6 44.6 82.8

127 7.5 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.249 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

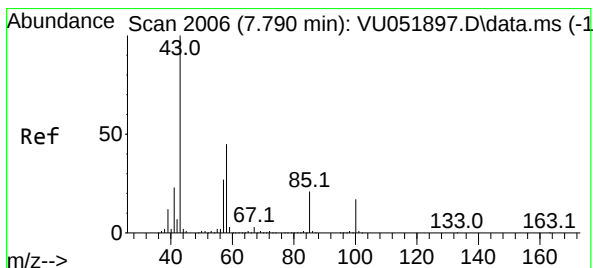
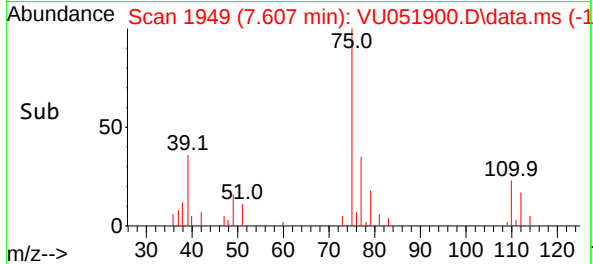
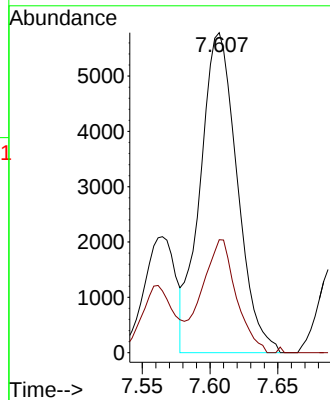
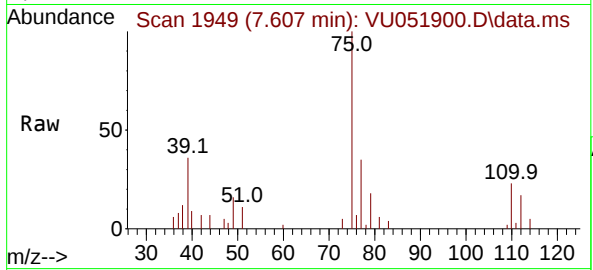
MDL06

Tgt Ion: 75 Resp: 10993

Ion Ratio Lower Upper

75 100

77 35.3 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 3.857 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

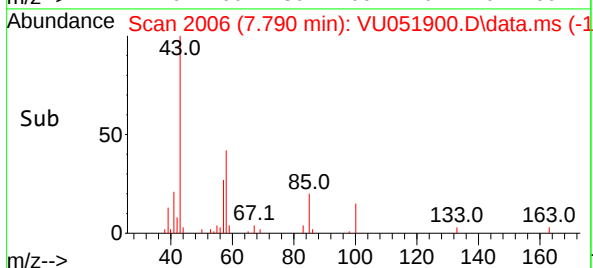
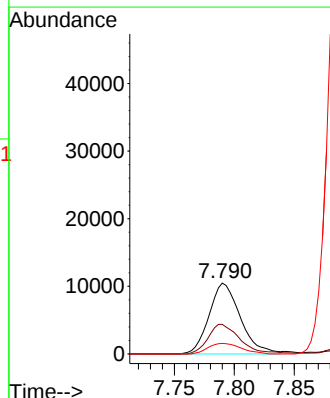
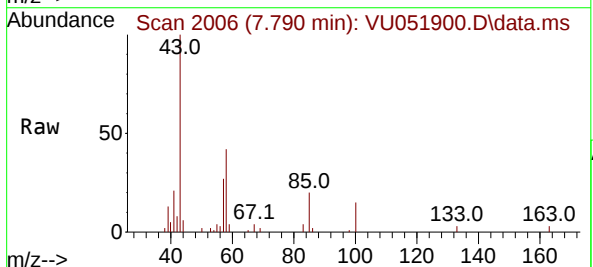
Tgt Ion: 43 Resp: 18976

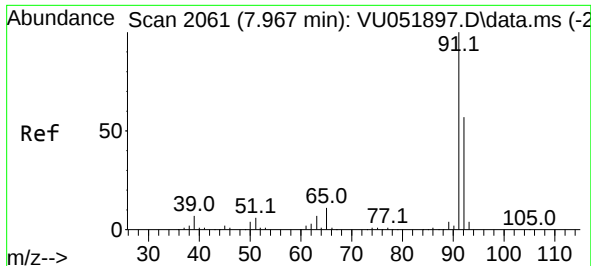
Ion Ratio Lower Upper

43 100

58 41.9 35.4 53.2

100 15.8 13.4 20.0





#42

Toluene

Concen: 2.308 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

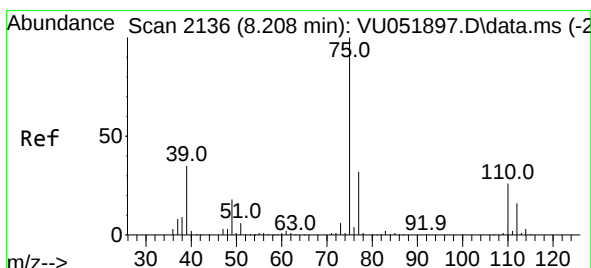
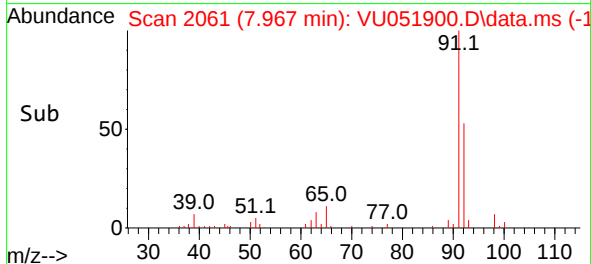
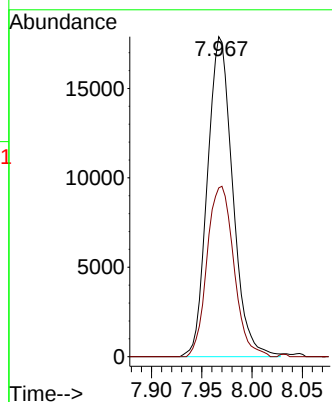
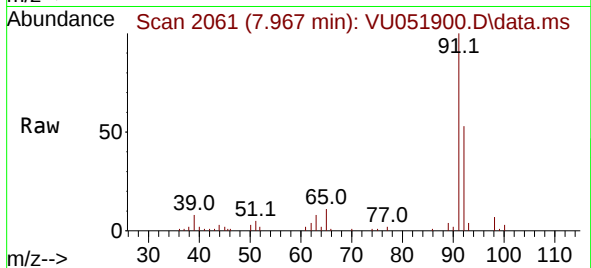
MDL06

Tgt Ion: 91 Resp: 31322

Ion Ratio Lower Upper

91 100

92 52.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 2.673 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051900.D

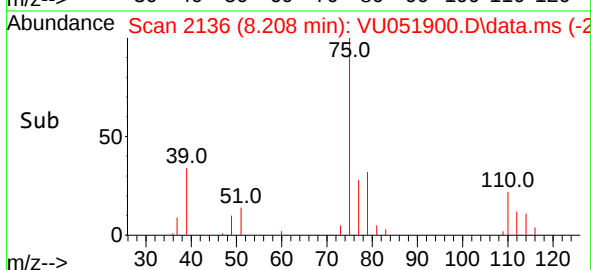
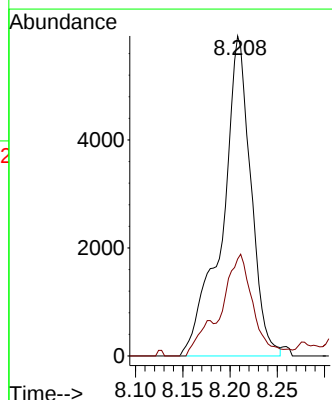
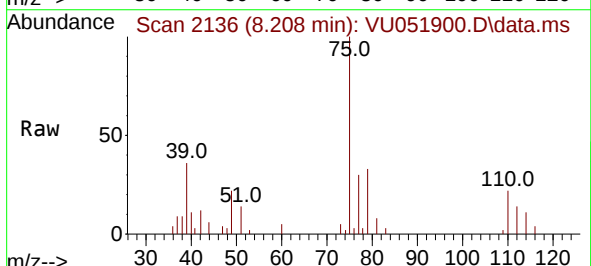
Acq: 18 Nov 2022 12:52

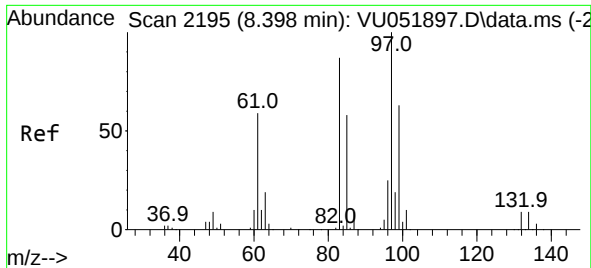
Tgt Ion: 75 Resp: 12517

Ion Ratio Lower Upper

75 100

77 30.3 21.8 40.6

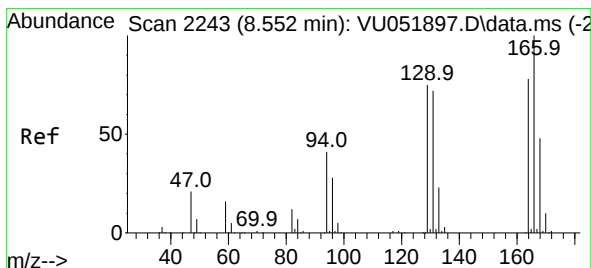
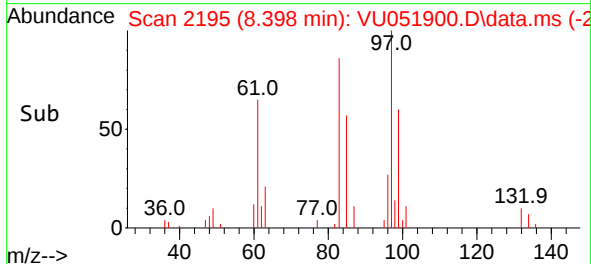
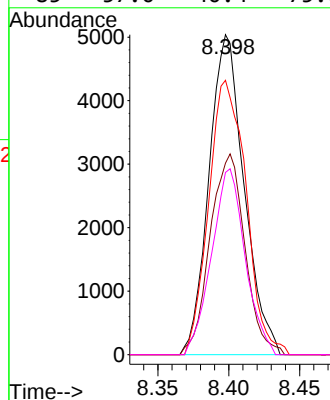
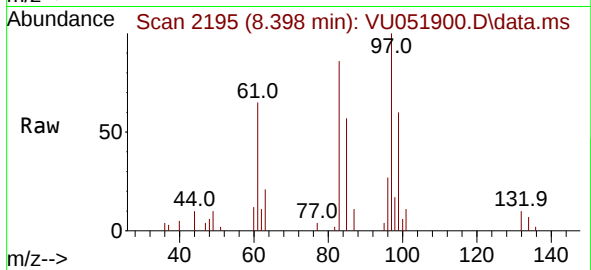




#45
1,1,2-Trichloroethane
Concen: 2.291 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

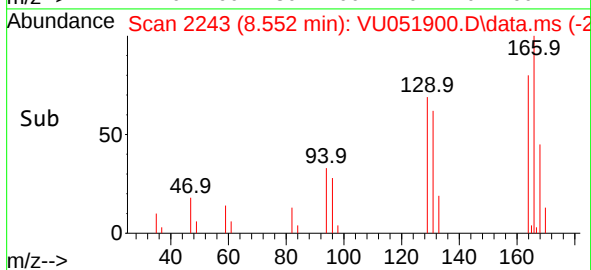
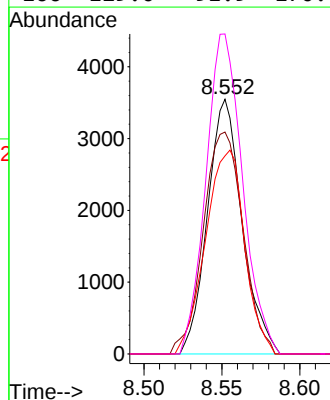
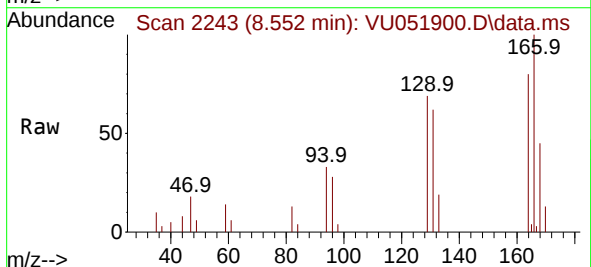
Instrument :
MSVOA_U
ClientSampleId :
MDL06

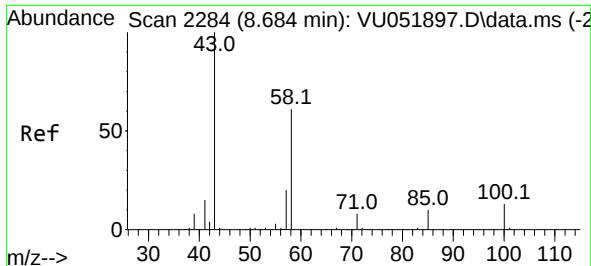
Tgt Ion: 97	Resp: 8697
Ion Ratio	Lower Upper
97 100	
99 59.9	44.3 82.3
83 85.8	62.3 115.7
85 57.0	40.4 75.0



#46
Tetrachloroethene
Concen: 2.200 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion:164	Resp: 5493
Ion Ratio	Lower Upper
164 100	
129 87.1	68.5 127.1
131 77.8	66.6 123.8
166 129.0	91.9 170.7

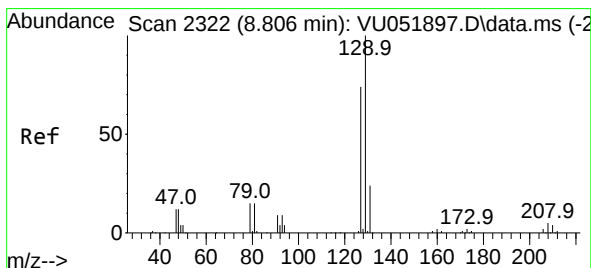
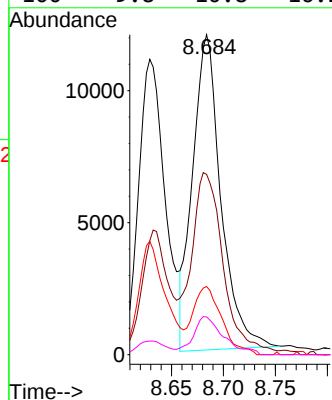
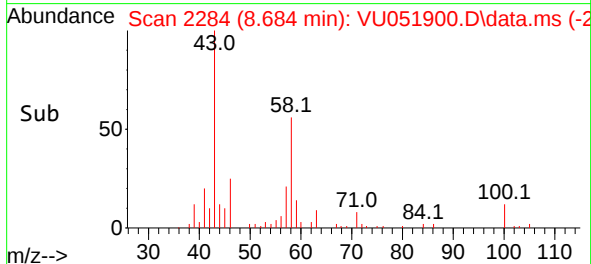
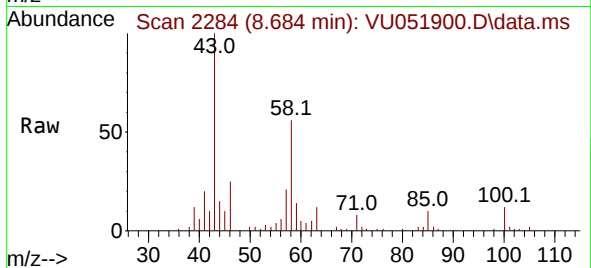




#48
2-Hexanone
Concen: 5.360 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

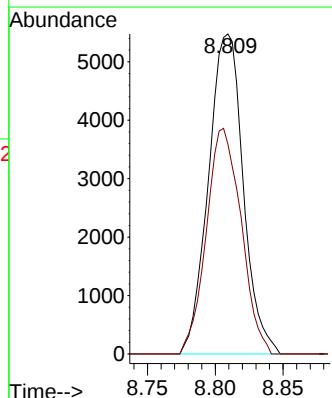
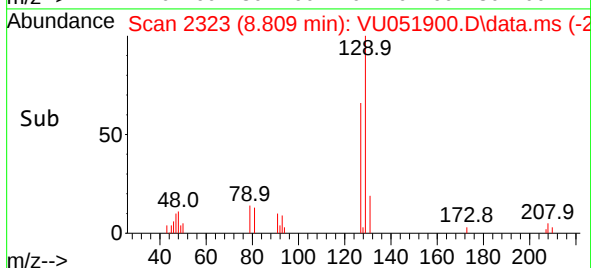
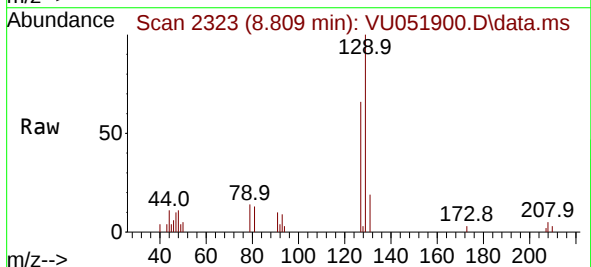
Instrument :
MSVOA_U
ClientSampleId :
MDL06

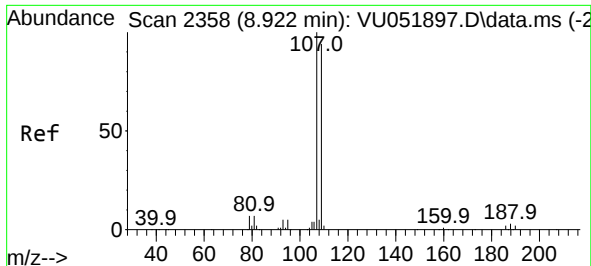
Tgt Ion:	43	Resp:	22647
Ion	Ratio	Lower	Upper
43	100		
58	59.8	50.6	76.0
57	22.1	16.8	25.2
100	9.8	10.8	16.2



#49
Dibromochloromethane
Concen: 2.497 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion:	129	Resp:	9776
Ion	Ratio	Lower	Upper
129	100		
127	65.6	54.4	101.0





#50

1,2-Dibromoethane

Concen: 2.378 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

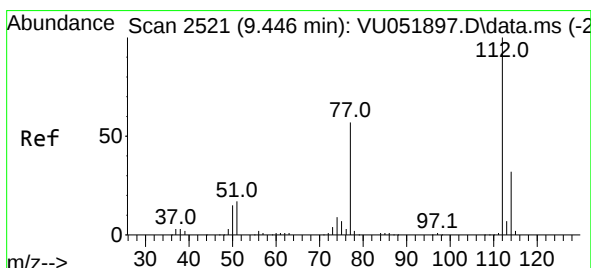
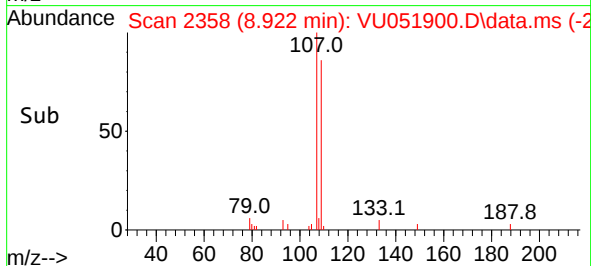
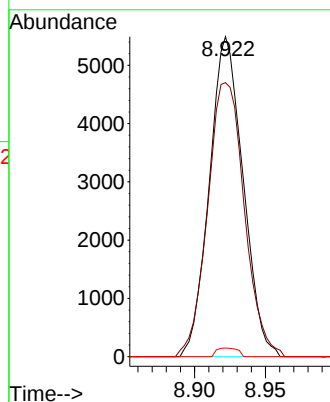
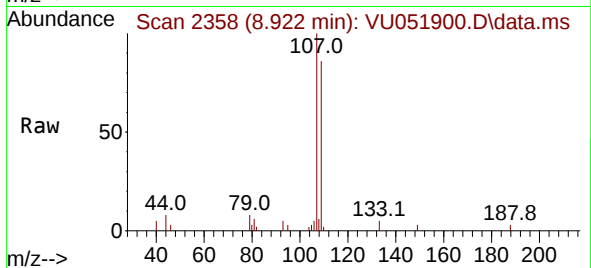
Tgt Ion:107 Resp: 9089

Ion Ratio Lower Upper

107 100

109 85.7 65.0 120.6

188 2.7 2.9 4.3#



#51

Chlorobenzene

Concen: 2.322 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

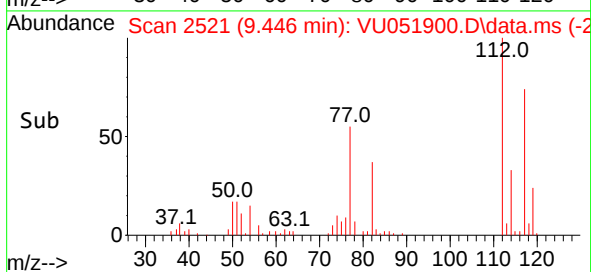
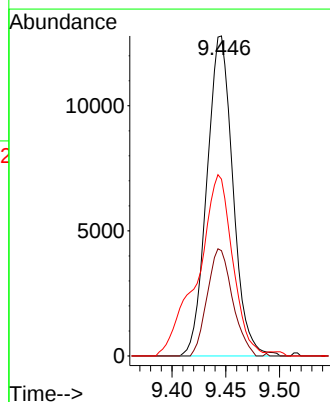
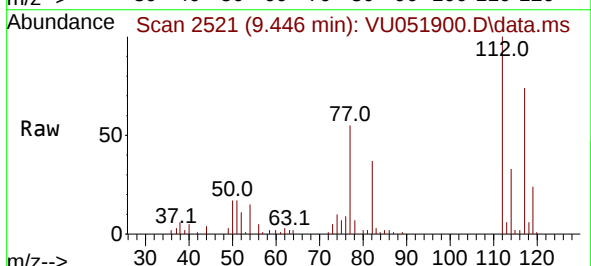
Tgt Ion:112 Resp: 21531

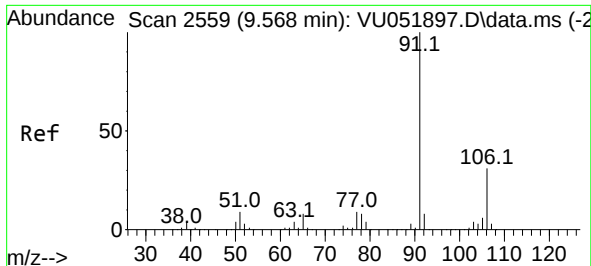
Ion Ratio Lower Upper

112 100

114 32.9 22.2 41.2

77 55.3 46.7 70.1

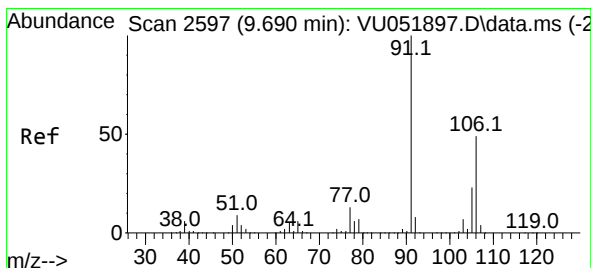
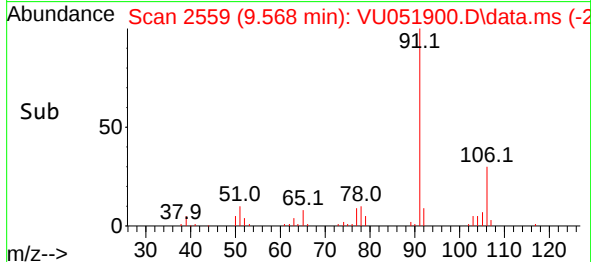
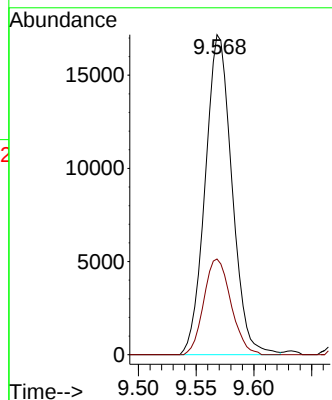
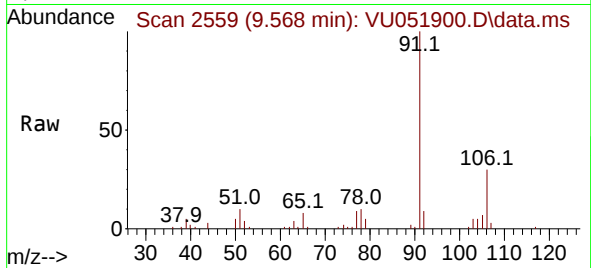




#52
Ethylbenzene
Concen: 1.993 ug/L
RT: 9.568 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

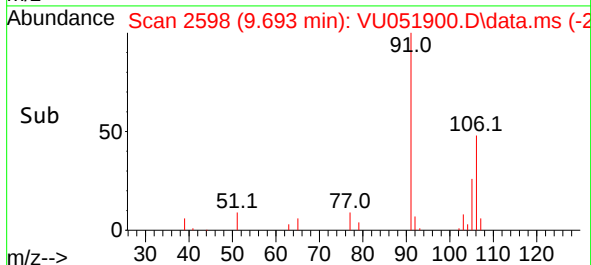
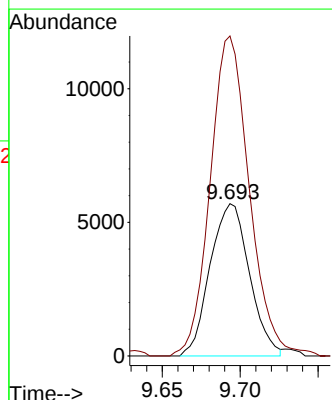
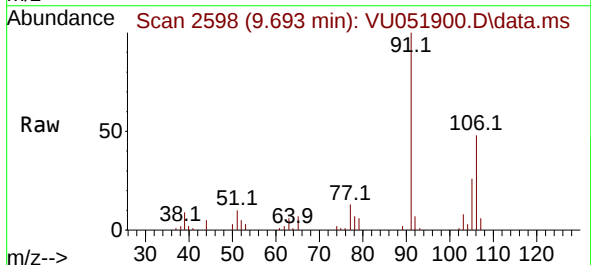
Instrument :
MSVOA_U
ClientSampleId :
MDL06

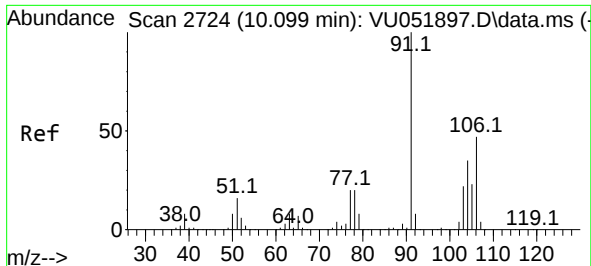
Tgt Ion: 91 Resp: 27682
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.6



#53
m,p-Xylene
Concen: 1.859 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.001 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion:106 Resp: 9992
Ion Ratio Lower Upper
106 100
91 210.1 141.7 263.3

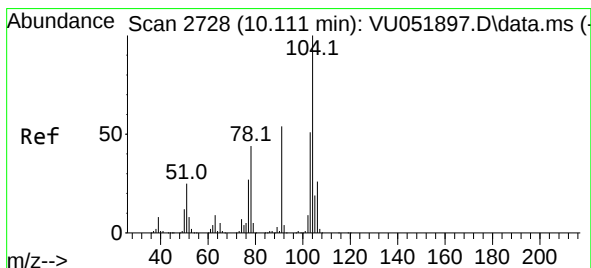
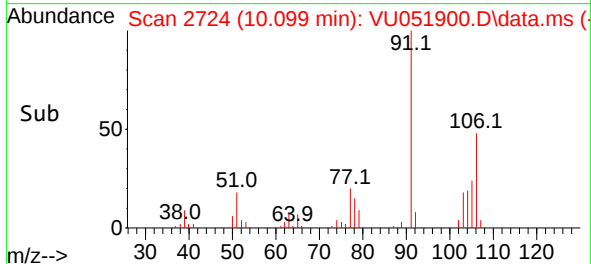
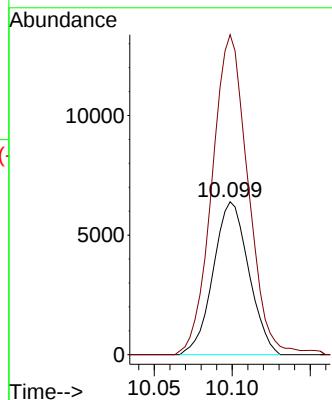
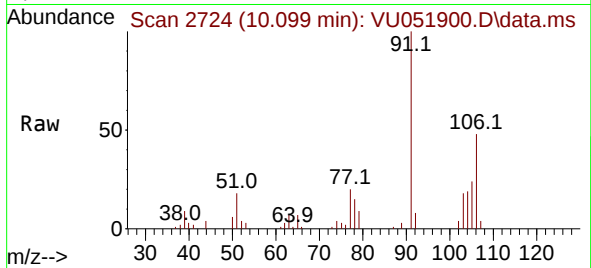




#54
o-Xylene
Concen: 1.850 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

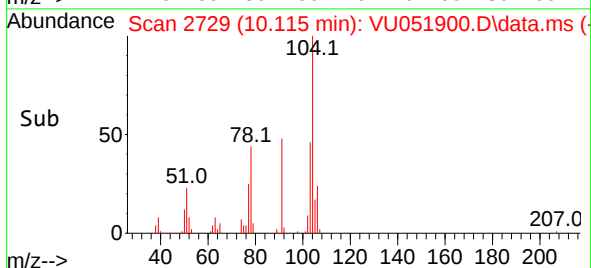
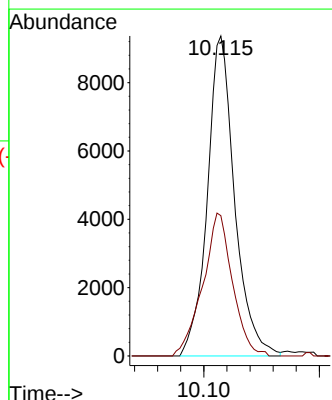
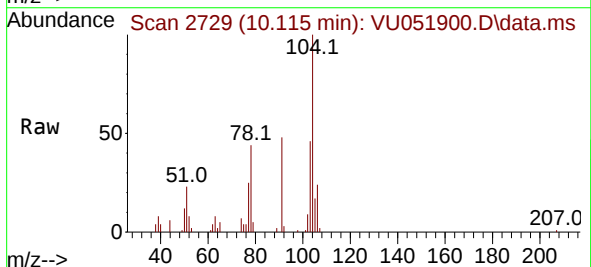
Instrument :
MSVOA_U
ClientSampleId :
MDL06

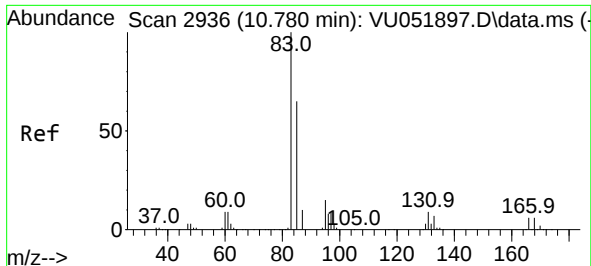
Tgt Ion:106 Resp: 10125
Ion Ratio Lower Upper
106 100
91 209.3 149.7 278.1



#55
Styrene
Concen: 1.630 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion:104 Resp: 15389
Ion Ratio Lower Upper
104 100
78 43.9 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.480 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

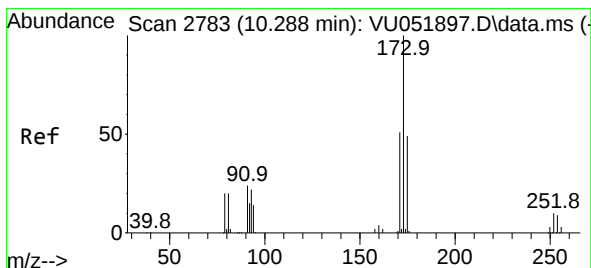
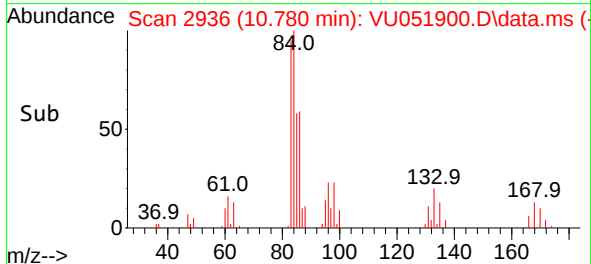
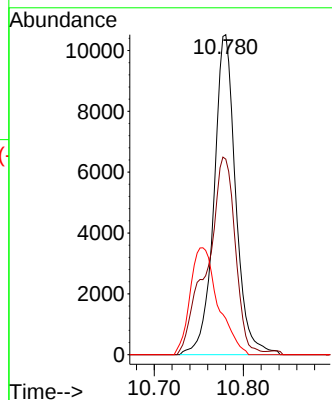
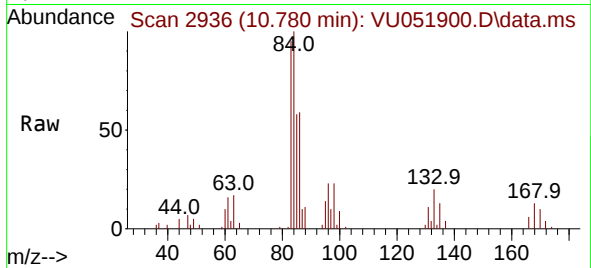
Tgt Ion: 83 Resp: 17792

Ion Ratio Lower Upper

83 100

85 61.1 44.9 83.3

131 11.3 6.8 10.2#



#59

Bromoform

Concen: 2.490 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

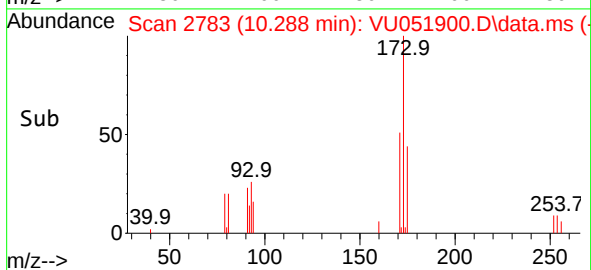
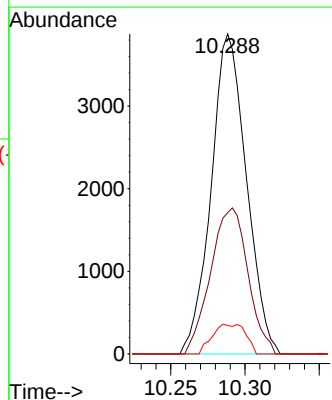
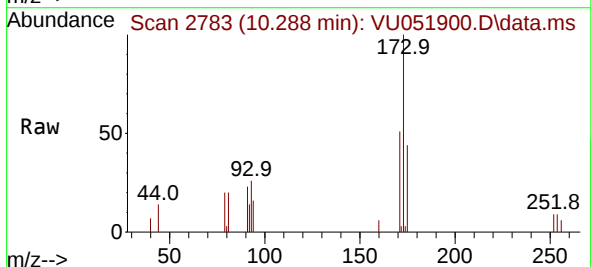
Tgt Ion: 173 Resp: 6385

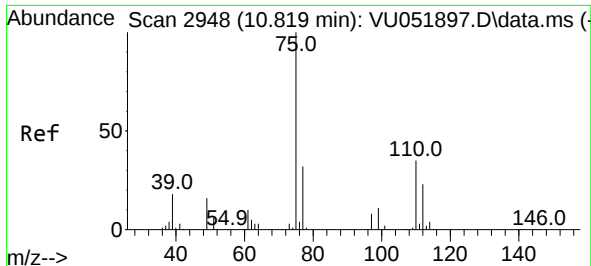
Ion Ratio Lower Upper

173 100

175 48.5 38.9 58.3

254 5.6 7.4 11.2#

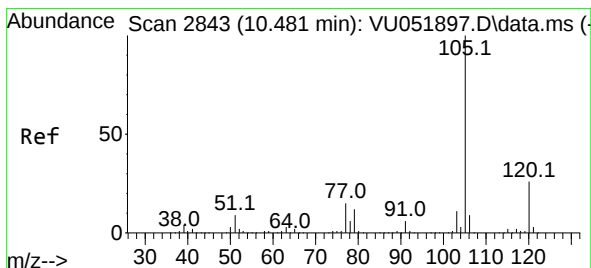
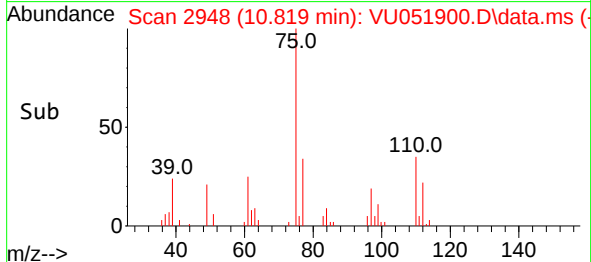
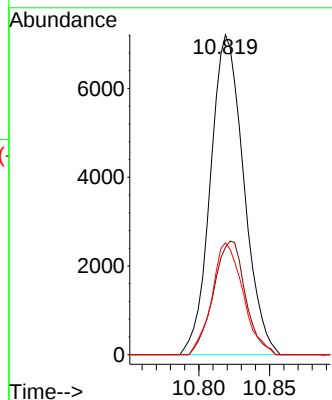
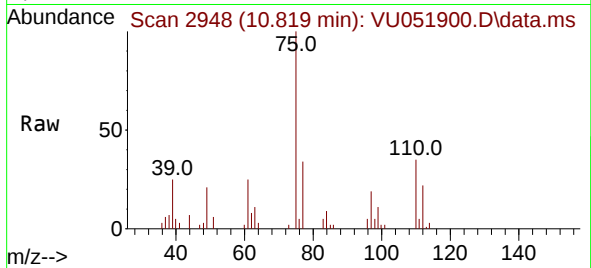




#60
1,2,3-Trichloropropane
Concen: 2.601 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

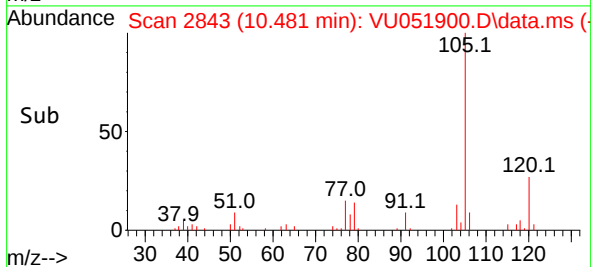
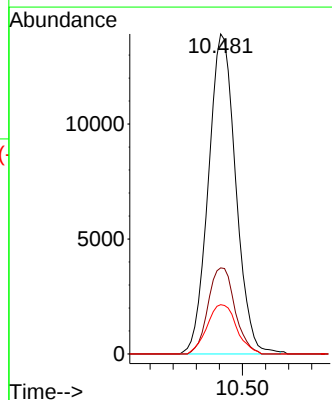
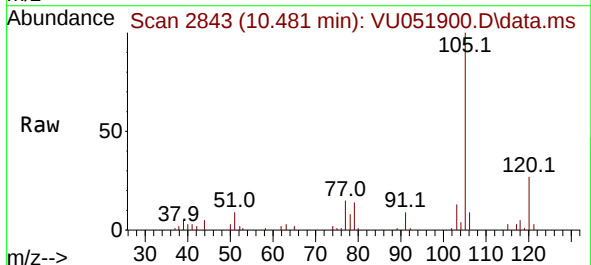
Instrument :
MSVOA_U
ClientSampleId :
MDL06

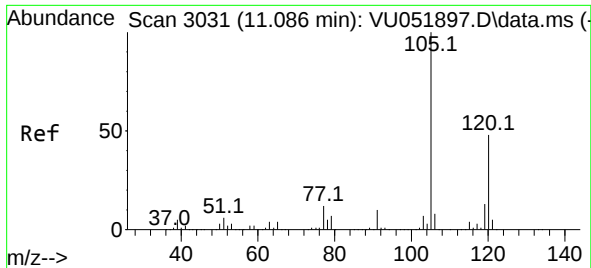
Tgt Ion:	75	Resp:	11768
Ion	Ratio	Lower	Upper
75	100		
77	34.1	26.2	39.4
110	32.8	29.0	43.4



#61
Isopropylbenzene
Concen: 2.070 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion:	105	Resp:	22887
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.1	31.7
77	16.6	12.2	18.4

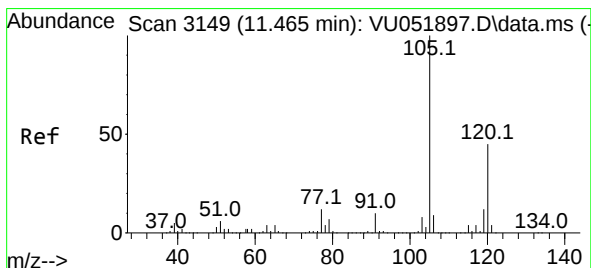
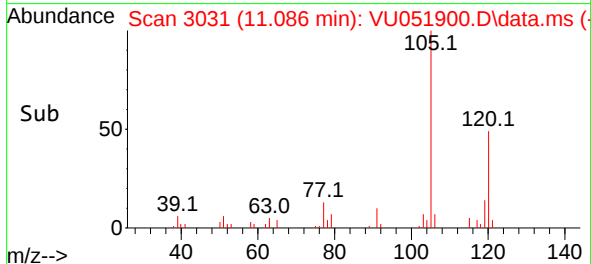
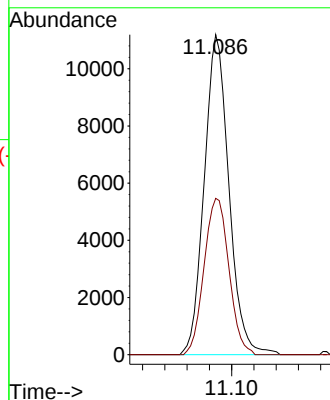
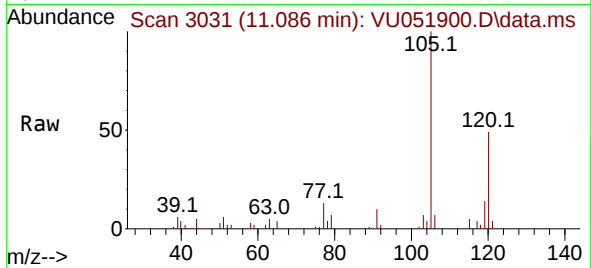




#62
 1,3,5-Trimethylbenzene
 Concen: 1.909 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051900.D
 Acq: 18 Nov 2022 12:52

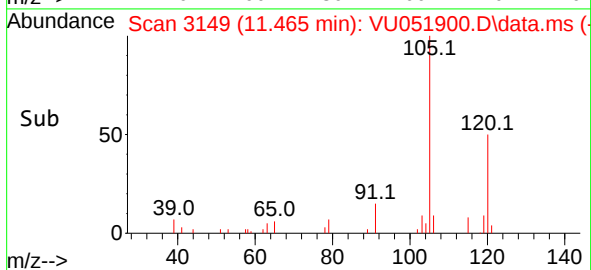
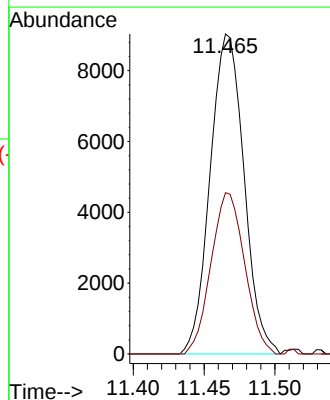
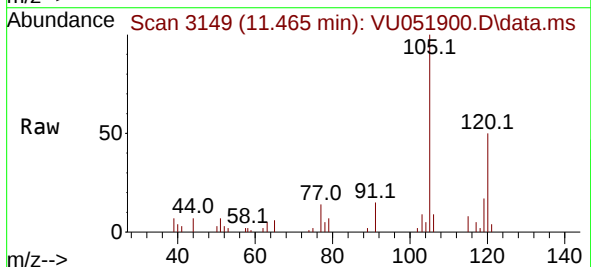
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

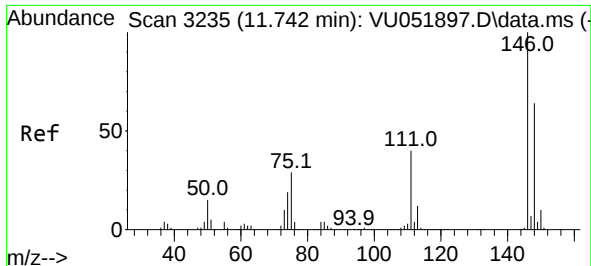
Tgt Ion:105 Resp: 17201
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 1.705 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051900.D
 Acq: 18 Nov 2022 12:52

Tgt Ion:105 Resp: 15010
 Ion Ratio Lower Upper
 105 100
 120 50.0 36.2 54.2

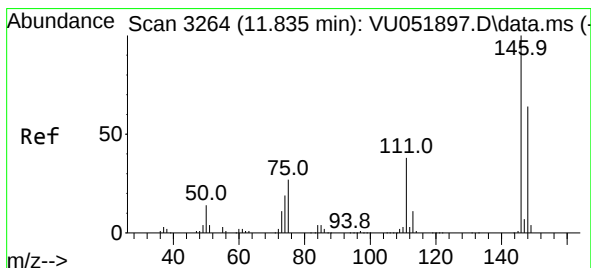
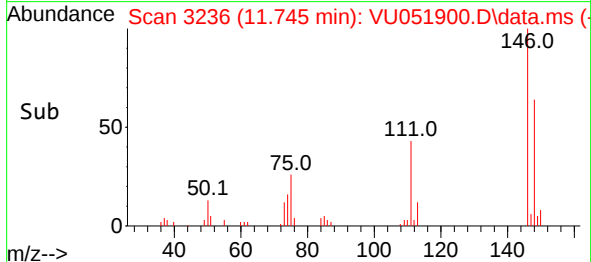
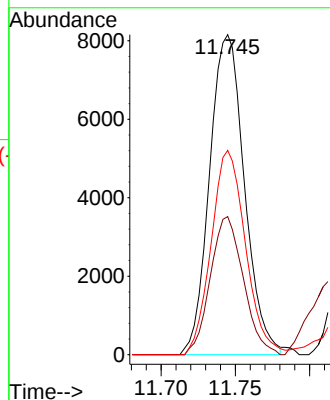
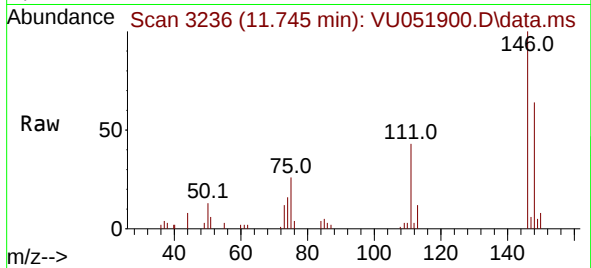




#64
1,3-Dichlorobenzene
Concen: 2.378 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

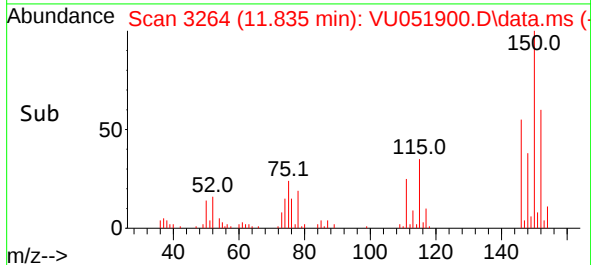
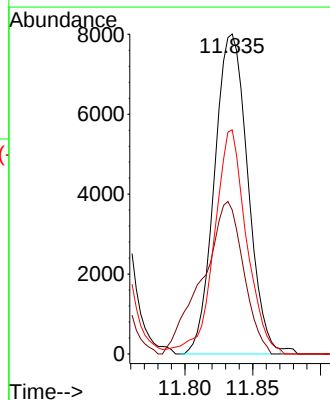
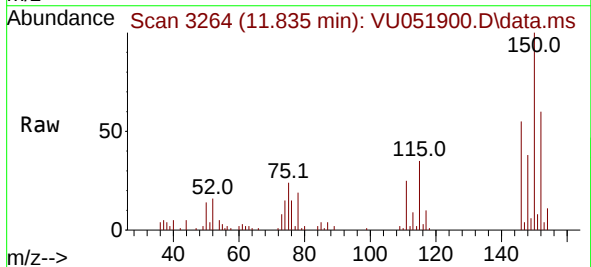
Instrument :
MSVOA_U
ClientSampleId :
MDL06

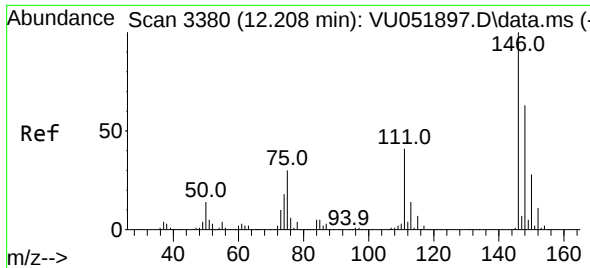
Tgt Ion:146 Resp: 13322
Ion Ratio Lower Upper
146 100
111 43.2 28.1 52.1
148 63.8 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 2.409 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051900.D
Acq: 18 Nov 2022 12:52

Tgt Ion:146 Resp: 13669
Ion Ratio Lower Upper
146 100
111 45.0 26.7 49.5
148 70.1 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.562 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

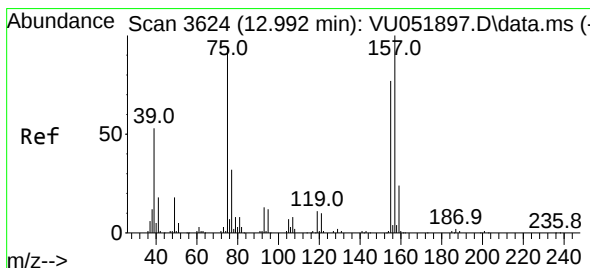
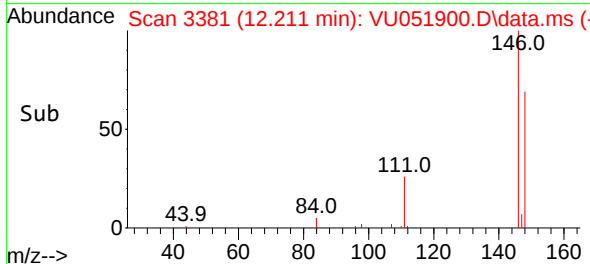
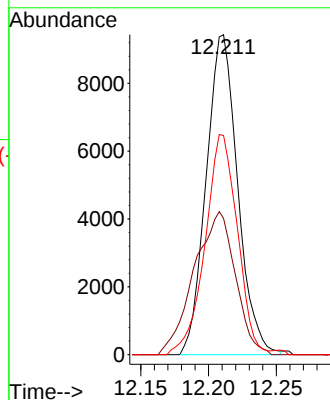
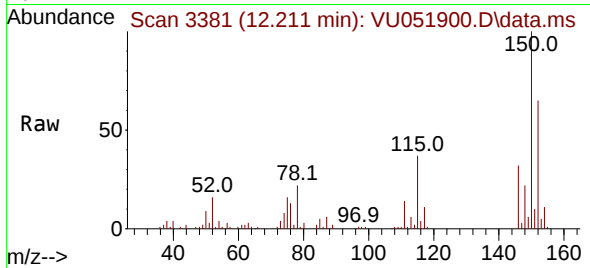
Tgt Ion:146 Resp: 15266

Ion Ratio Lower Upper

146 100

111 42.6 33.6 50.4

148 68.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.568 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

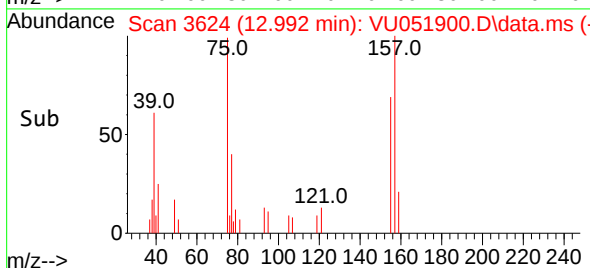
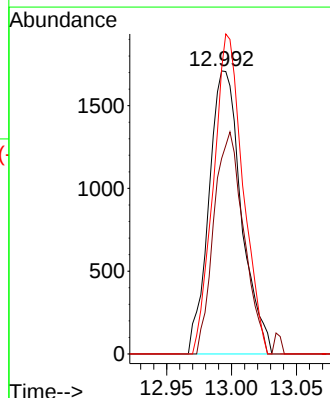
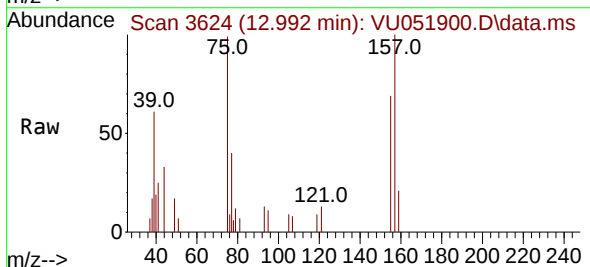
Tgt Ion: 75 Resp: 2975

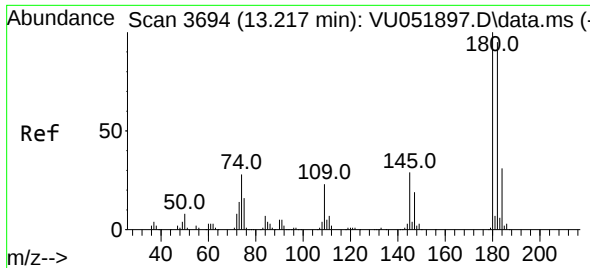
Ion Ratio Lower Upper

75 100

155 69.1 63.0 94.6

157 100.8 79.4 119.0

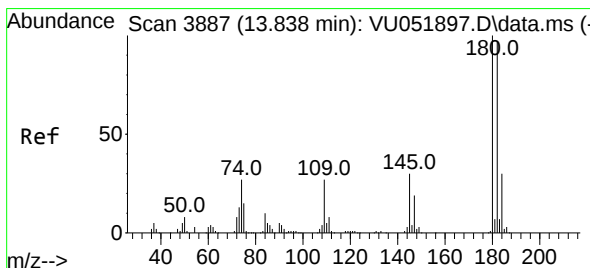
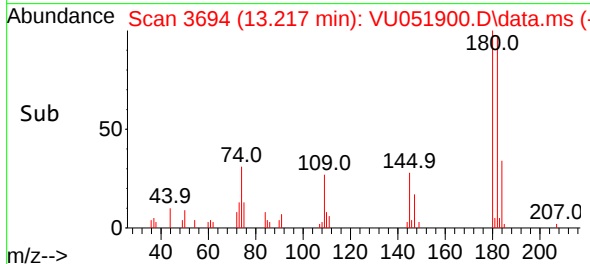
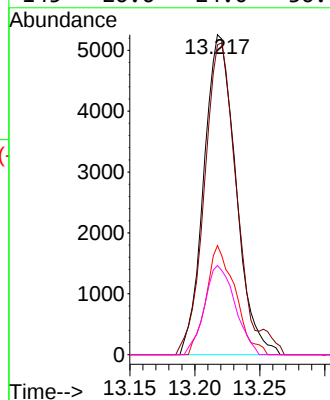
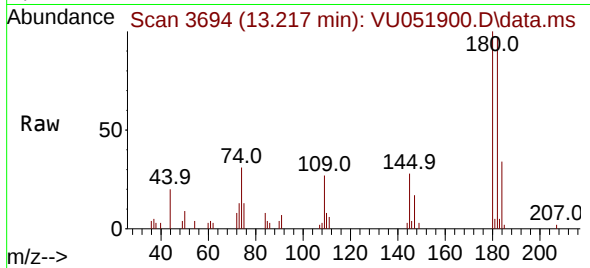




#69
 1,3,5-Trichlorobenzene
 Concen: 2.420 ug/L
 RT: 13.217 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VU051900.D
 Acq: 18 Nov 2022 12:52

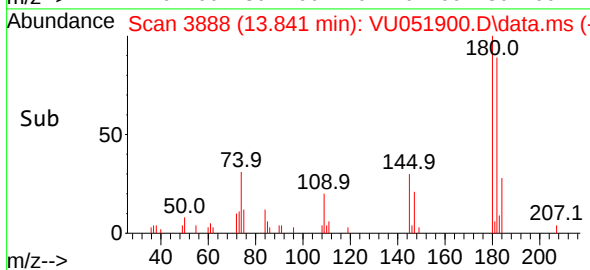
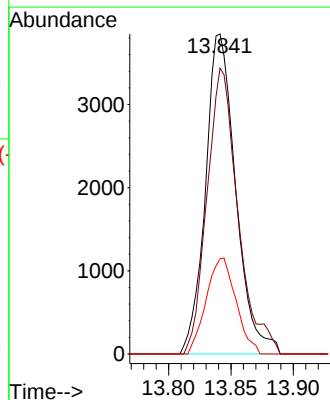
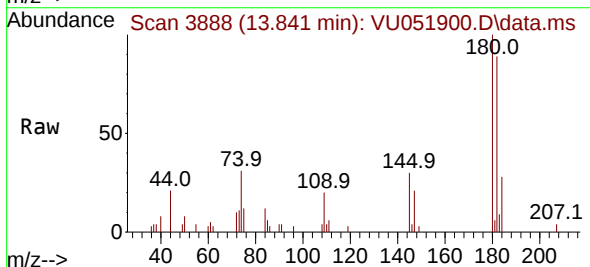
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

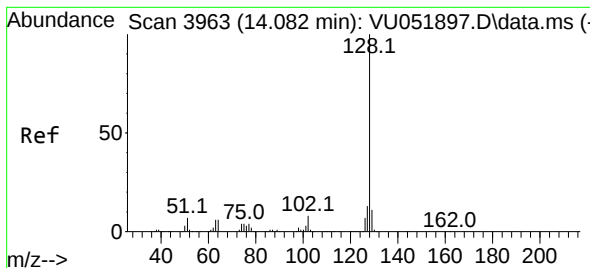
Tgt Ion:180	Resp:	8995
Ion Ratio	Lower	Upper
180	100	
182	95.5	77.0 115.4
184	31.0	23.8 35.8
145	26.6	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 2.206 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU051900.D
 Acq: 18 Nov 2022 12:52

Tgt Ion:180	Resp:	6501
Ion Ratio	Lower	Upper
180	100	
182	88.0	76.4 114.6
145	29.4	24.2 36.2





#71

Naphthalene

Concen: 1.717 ug/L

RT: 14.086 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

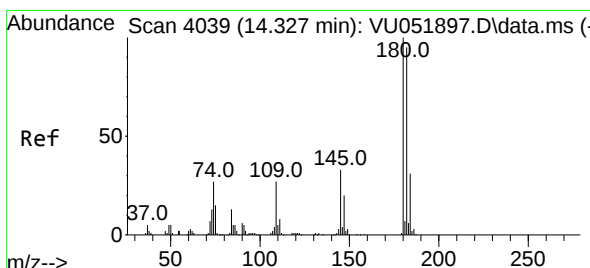
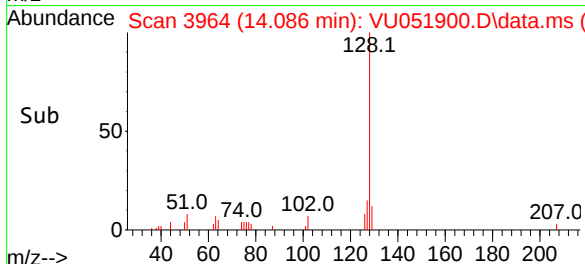
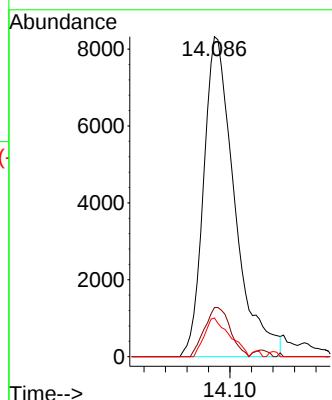
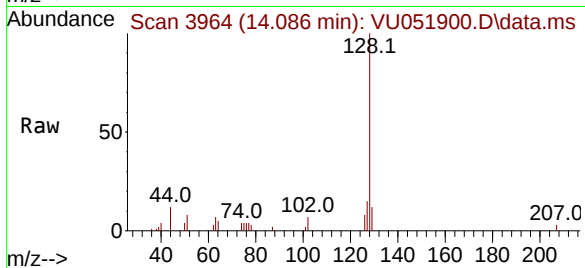
Tgt Ion:128 Resp: 16640

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 9.8 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 2.168 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU051900.D

Acq: 18 Nov 2022 12:52

Tgt Ion:180 Resp: 6991

Ion Ratio Lower Upper

180 100

182 92.3 76.9 115.3

145 27.5 24.9 37.3

