

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051867.D
 Acq On : 15 Nov 2022 18:22
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Quant Time: Nov 16 01:24:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	463802	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	466072	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	172966	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	104931	46.084	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.160%
7) Chloroethane-d5	1.906	69	112644	49.377	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.760%
11) 1,1-Dichloroethene-d2	2.565	63	129139	31.628	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.260%
21) 2-Butanone-d5	4.748	46	132	0.051	ug/L	0.13
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.050%#
24) Chloroform-d	5.063	84	267843	46.926	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.860%
26) 1,2-Dichloroethane-d4	5.700	65	170575	48.819	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.640%
32) Benzene-d6	5.726	84	472081	48.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.160%
36) 1,2-Dichloropropane-d6	6.687	67	180997	50.037	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.080%
41) Toluene-d8	7.896	98	358862	44.990	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.980%
43) trans-1,3-Dichloroprop...	8.176	79	64916	45.056	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.120%
47) 2-Hexanone-d5	8.629	63	164163	89.298	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.300%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	320998	45.596	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	164043	53.892	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4320	1.517	ug/L	95
3) Chloromethane	1.523	50	9634	2.548	ug/L	99
5) Vinyl chloride	1.604	62	7138	1.820	ug/L #	1
6) Bromomethane	1.848	94	3327	1.958	ug/L	97
8) Chloroethane	1.928	64	4730	1.855	ug/L	84
9) Trichlorofluoromethane	2.134	101	7940	1.691	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	6034	2.039	ug/L #	82
12) 1,1-Dichloroethene	2.578	96	5934	2.147	ug/L #	1
13) Acetone	2.626	43	11287	4.075	ug/L	98
14) Carbon disulfide	2.793	76	14287	1.866	ug/L	98
15) Methyl Acetate	2.951	43	5912	1.565	ug/L	96
16) Methylene chloride	3.044	84	7401	1.677	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	5281	1.773	ug/L	87
18) Methyl tert-butyl Ether	3.359	73	15500	1.681	ug/L #	93
19) 1,1-Dichloroethane	3.870	63	10626	1.753	ug/L	93
20) cis-1,2-Dichloroethene	4.665	96	5696	1.639	ug/L	97
22) 2-Butanone	4.867	43	183	0.058	ug/L	85
23) Bromochloromethane	4.977	128	3408	1.777	ug/L	85
25) Chloroform	5.086	83	11537	1.824	ug/L	85

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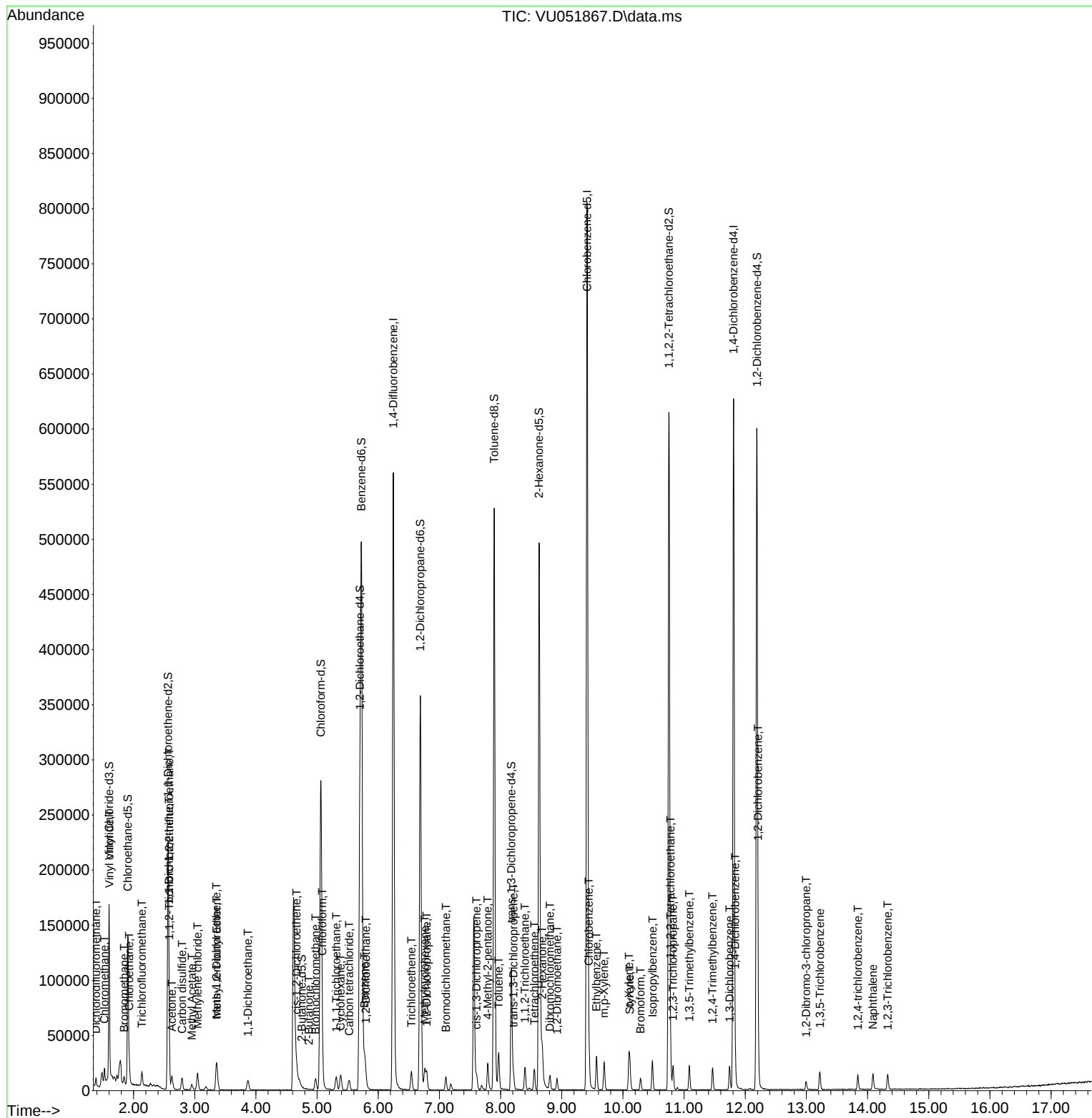
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	9147	1.957	ug/L	97
29) Cyclohexane	5.385	56	6016	1.513	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	7923	1.681	ug/L	97
31) Carbon tetrachloride	5.523	117	6783	1.722	ug/L	98
33) Benzene	5.774	78	24841	1.853	ug/L	100
34) Trichloroethene	6.542	95	5988	1.885	ug/L	83
35) Methylcyclohexane	6.761	83	6390	1.484	ug/L	97
37) 1,2-Dichloropropane	6.790	63	7044	1.856	ug/L #	95
38) Bromodichloromethane	7.105	83	8342	1.756	ug/L #	96
39) cis-1,3-Dichloropropene	7.607	75	7942	1.599	ug/L	95
40) 4-Methyl-2-pentanone	7.790	43	16160	3.233	ug/L #	93
42) Toluene	7.970	91	24586	1.783	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	10166	2.136	ug/L	93
45) 1,1,2-Trichloroethane	8.398	97	6707	1.739	ug/L	94
46) Tetrachloroethene	8.552	164	4599	1.813	ug/L	86
48) 2-Hexanone	8.681	43	17282	4.025	ug/L	95
49) Dibromochloromethane	8.806	129	6460	1.624	ug/L	99
50) 1,2-Dibromoethane	8.922	107	6485	1.670	ug/L #	85
51) Chlorobenzene	9.443	112	15755	1.672	ug/L	97
52) Ethylbenzene	9.568	91	20226	1.433	ug/L	97
53) m,p-Xylene	9.693	106	7659	1.402	ug/L	94
54) o-Xylene	10.099	106	7422	1.335	ug/L	99
55) Styrene	10.115	104	10503	1.095	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.777	83	12805	1.757	ug/L #	98
59) Bromoform	10.288	173	4802	2.048	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	9500	2.296	ug/L	95
61) Isopropylbenzene	10.484	105	16816	1.663	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	12013	1.458	ug/L	95
63) 1,2,4-Trimethylbenzene	11.465	105	11264	1.400	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	9002	1.757	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	10165	1.959	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	10766	1.976	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.996	75	2119	2.000	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	6097	1.794	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	4901	1.819	ug/L	96
71) Naphthalene	14.089	128	13552	1.529	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	5568	1.888	ug/L	93

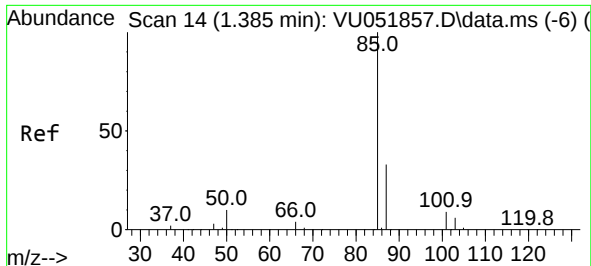
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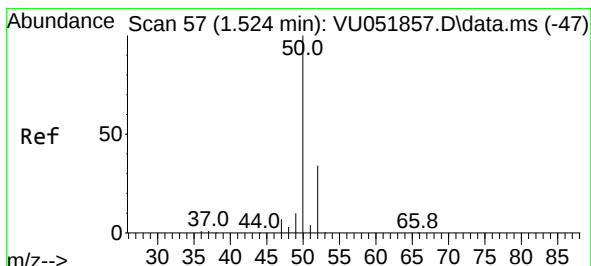
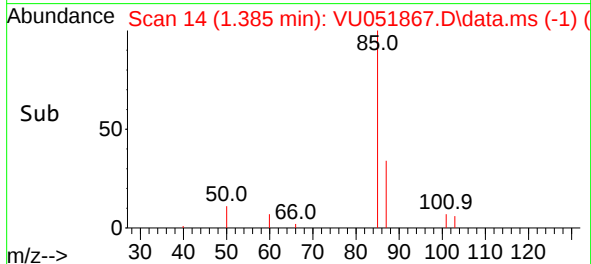
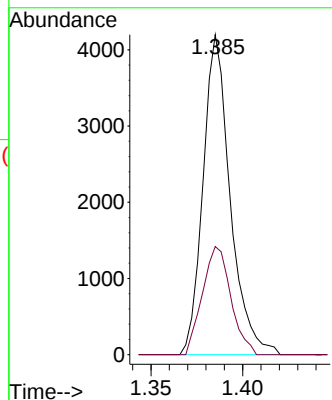
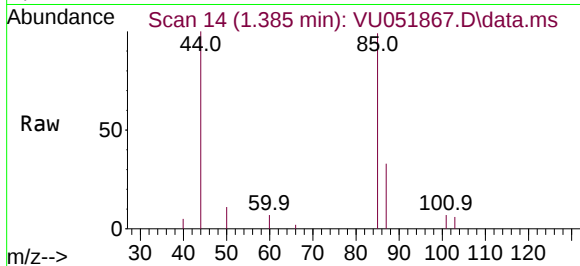




#2
Dichlorodifluoromethane
Concen: 1.517 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

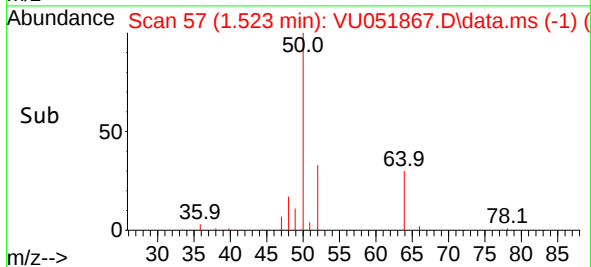
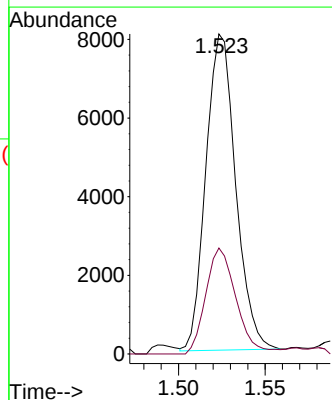
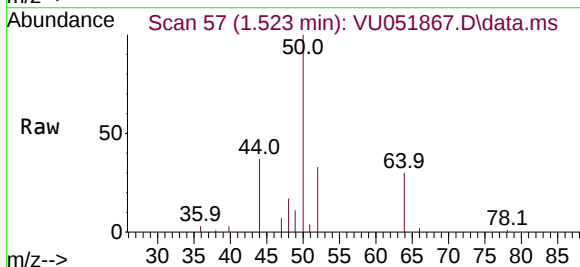
Instrument :
MSVOA_U
ClientSampleId :
MDL02

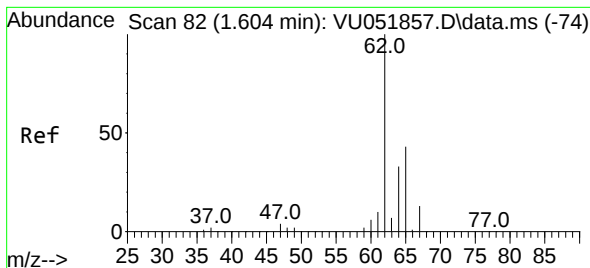
Tgt Ion: 85 Resp: 4320
Ion Ratio Lower Upper
85 100
87 35.3 26.0 39.0



#3
Chloromethane
Concen: 2.548 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 50 Resp: 9634
Ion Ratio Lower Upper
50 100
52 33.1 23.4 43.6





#5

Vinyl chloride

Concen: 1.820 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

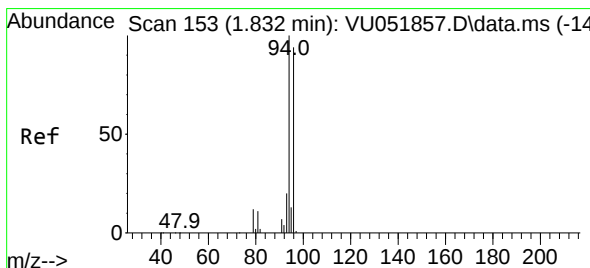
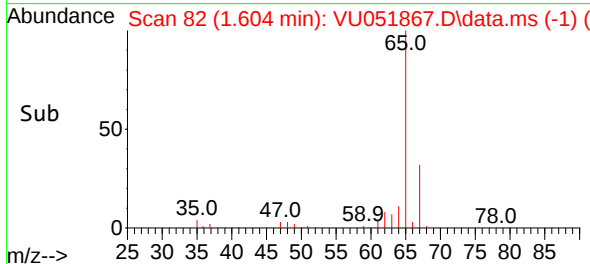
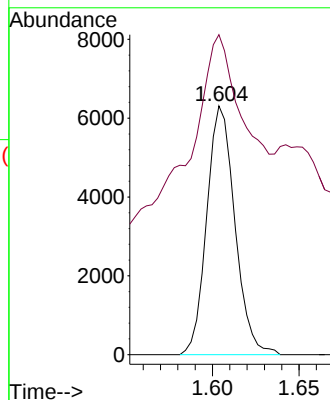
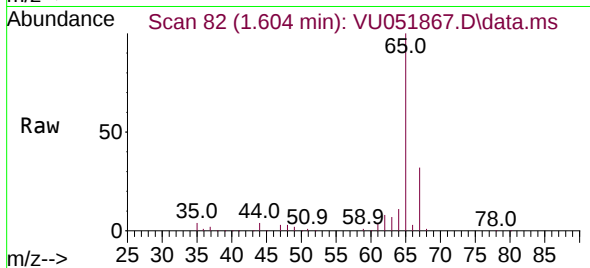
MDL02

Tgt Ion: 62 Resp: 7138

Ion Ratio Lower Upper

62 100

64 128.6 24.3 45.1#



#6

Bromomethane

Concen: 1.958 ug/L

RT: 1.848 min Scan# 158

Delta R.T. 0.016 min

Lab File: VU051867.D

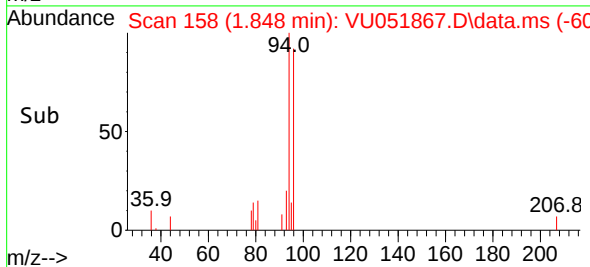
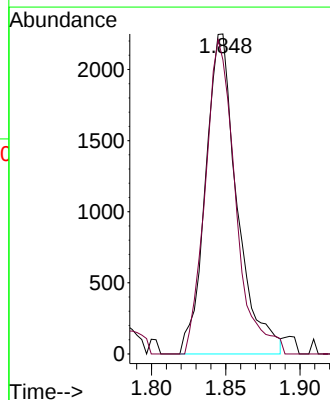
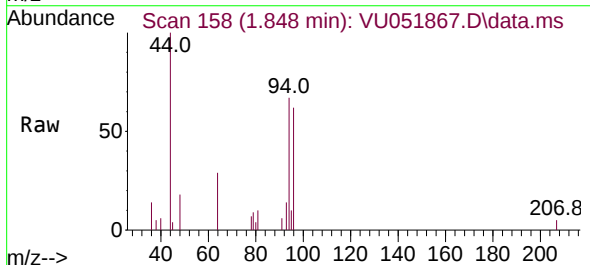
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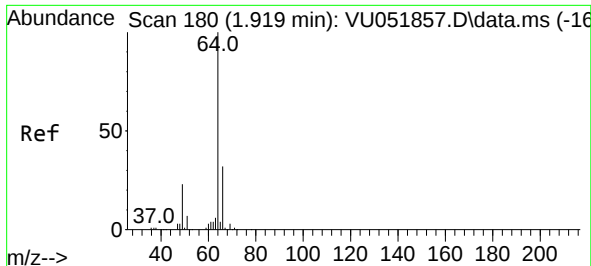
Tgt Ion: 94 Resp: 3327

Ion Ratio Lower Upper

94 100

96 91.9 66.1 122.7

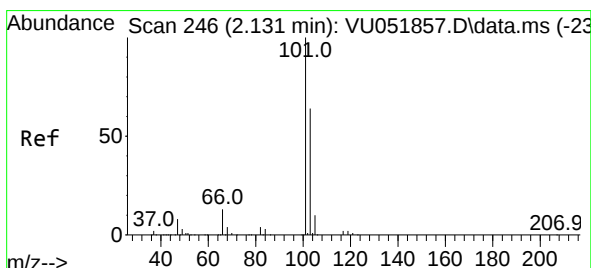
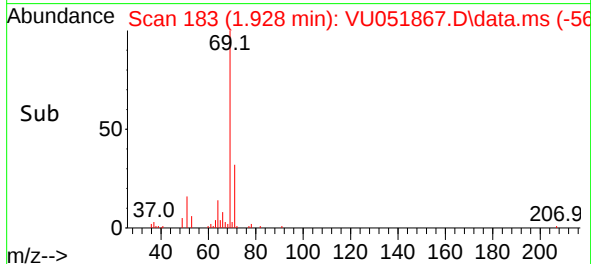
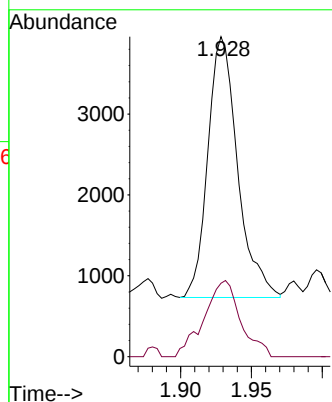
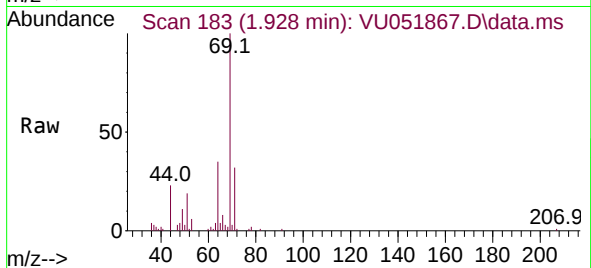




#8
Chloroethane
Concen: 1.855 ug/L
RT: 1.928 min Scan# 11
Delta R.T. 0.009 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

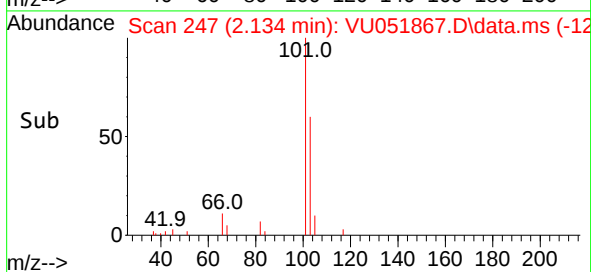
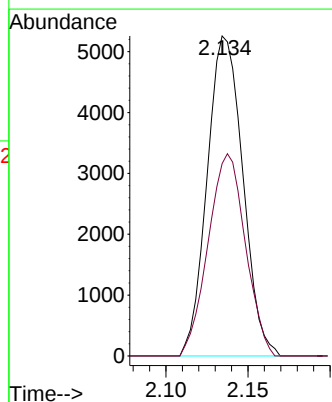
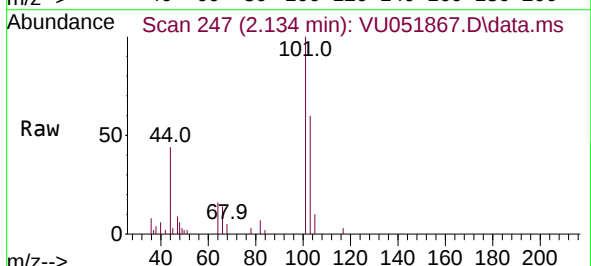
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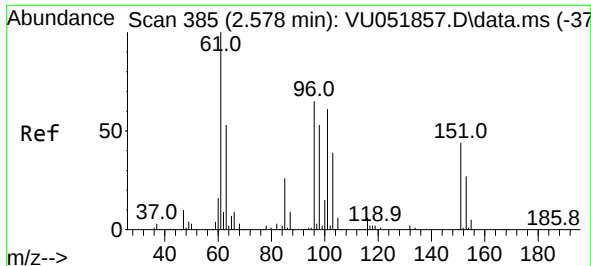
Tgt Ion: 64 Resp: 4730
Ion Ratio Lower Upper
64 100
66 22.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 1.691 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 101 Resp: 7940
Ion Ratio Lower Upper
101 100
103 65.8 51.4 77.2





#10

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

Concen: 2.039 ug/L

RT: 2.581 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

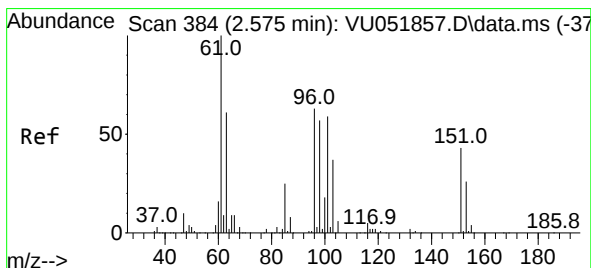
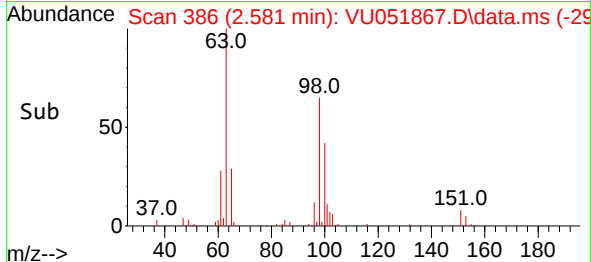
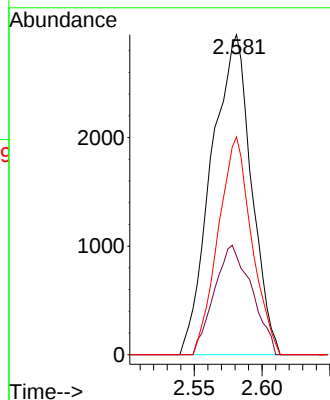
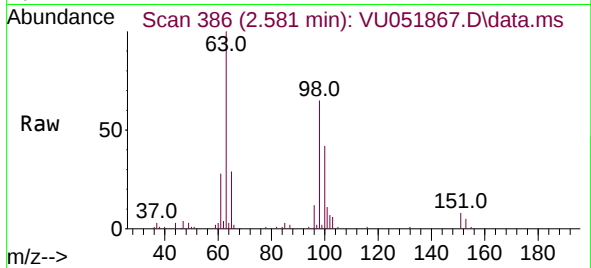
Tgt Ion:101 Resp: 6034

Ion Ratio Lower Upper

101 100

85 32.2 34.2 51.2#

151 57.2 58.3 87.5#



#12

1,1-Dichloroethene

Concen: 2.147 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

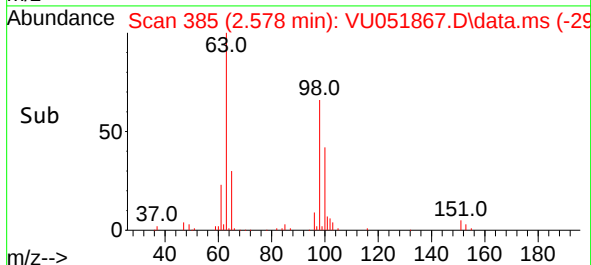
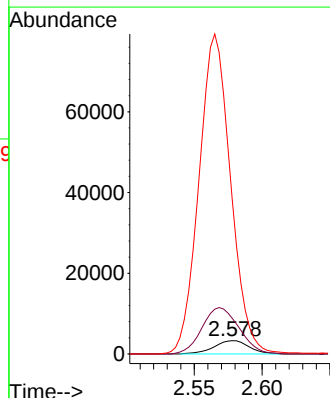
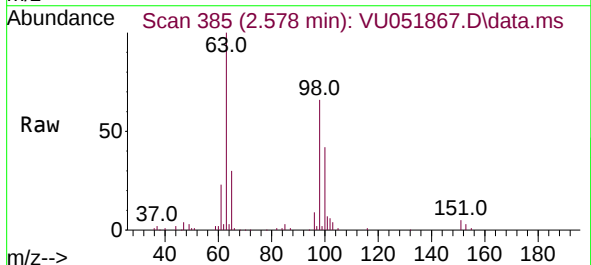
Tgt Ion: 96 Resp: 5934

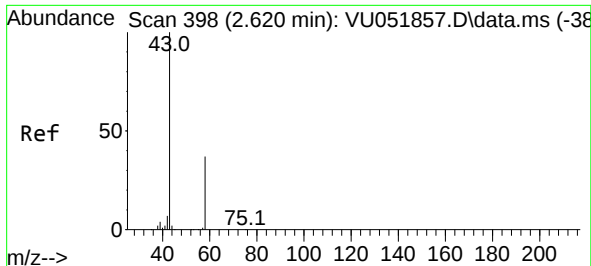
Ion Ratio Lower Upper

96 100

61 268.9 110.7 205.5#

63 1168.5 68.6 127.4#





#13

Acetone

Concen: 4.075 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.006 min

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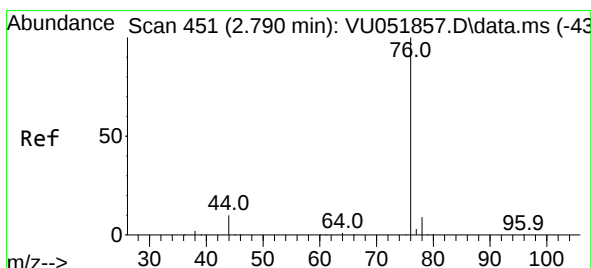
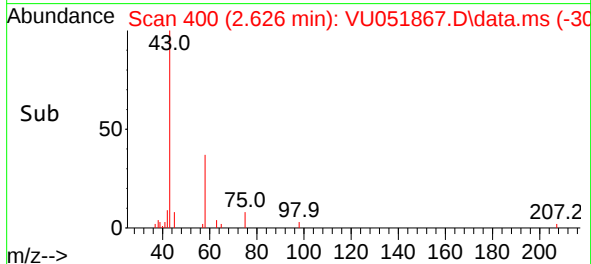
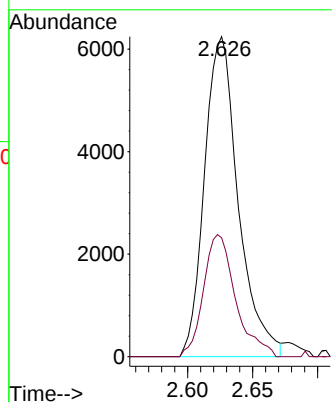
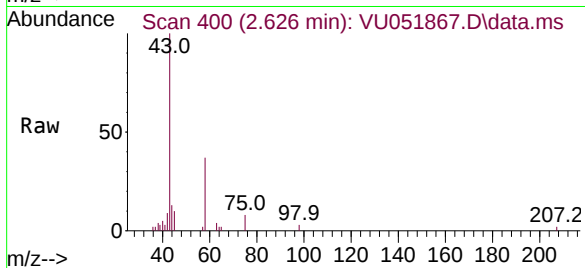
MDL02

Tgt Ion: 43 Resp: 11287

Ion Ratio Lower Upper

43 100

58 36.3 0.0 75.4



#14

Carbon disulfide

Concen: 1.866 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051867.D

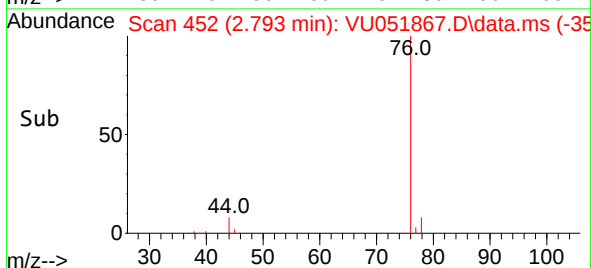
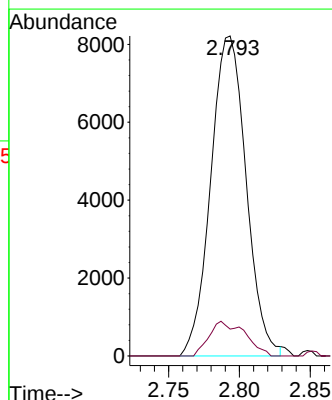
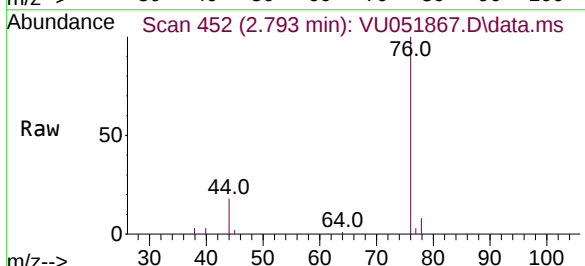
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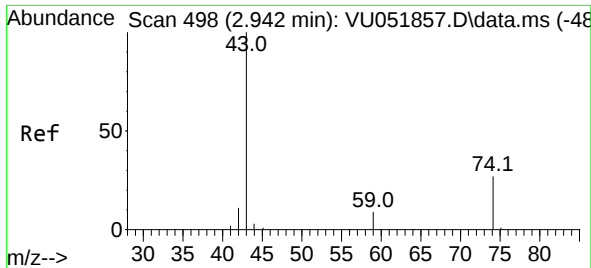
Tgt Ion: 76 Resp: 14287

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.0

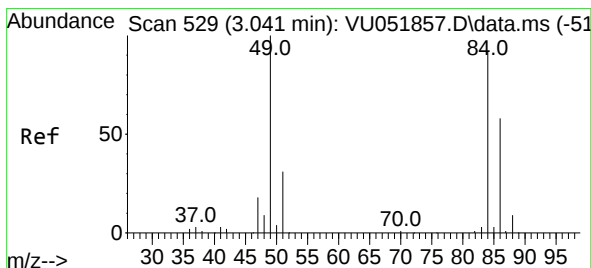
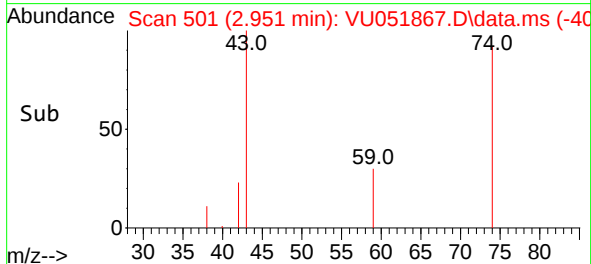
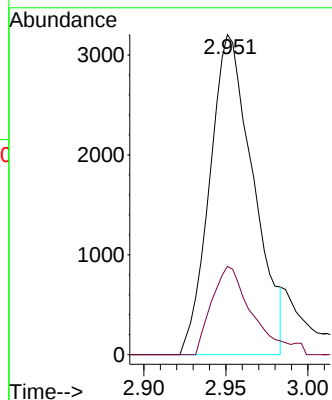
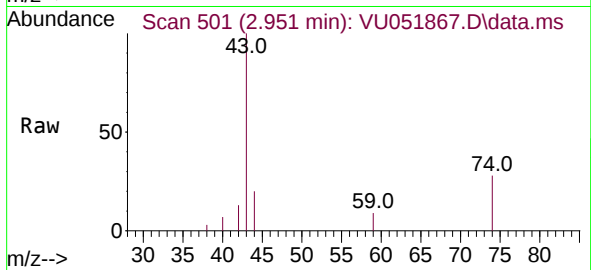




#15
Methyl Acetate
Concen: 1.565 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.009 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

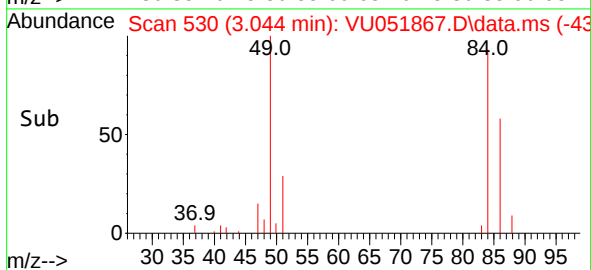
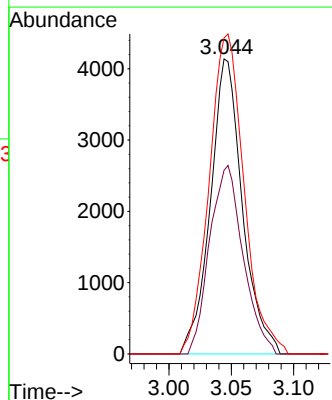
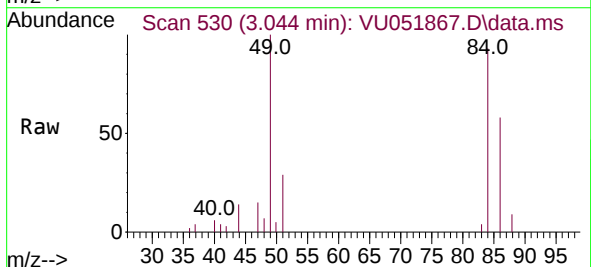
Instrument :
MSVOA_U
ClientSampleId :
MDL02

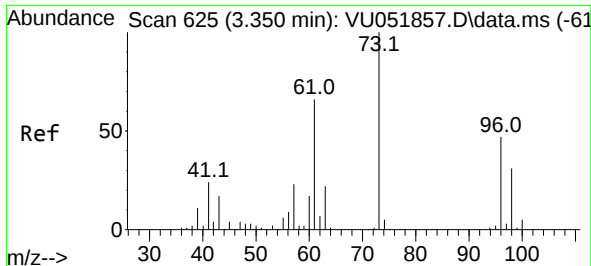
Tgt Ion: 43 Resp: 5912
Ion Ratio Lower Upper
43 100
74 25.2 21.8 32.8



#16
Methylene chloride
Concen: 1.677 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 84 Resp: 7401
Ion Ratio Lower Upper
84 100
86 62.3 44.7 82.9
49 107.1 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 1.773 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

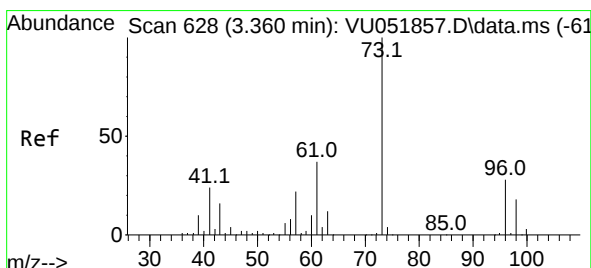
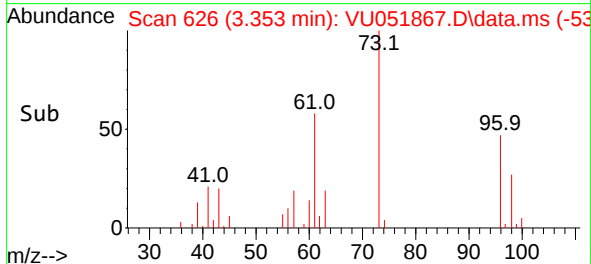
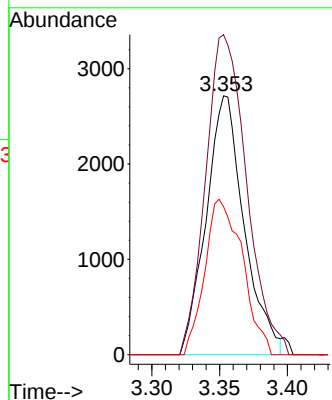
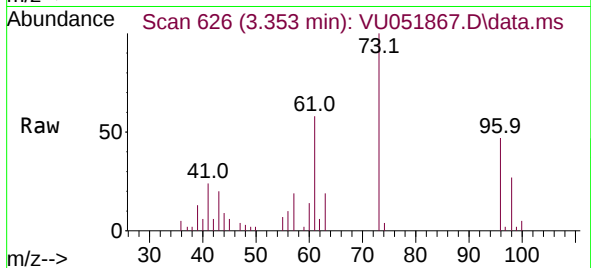
Tgt Ion: 96 Resp: 5281

Ion Ratio Lower Upper

96 100

61 123.6 98.3 182.7

98 57.2 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 1.681 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

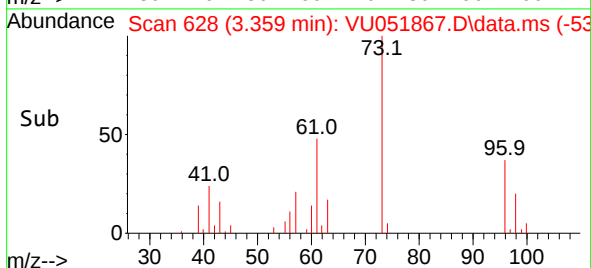
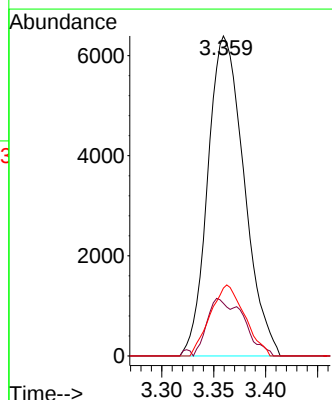
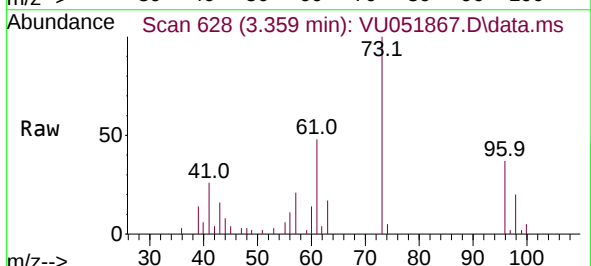
Tgt Ion: 73 Resp: 15500

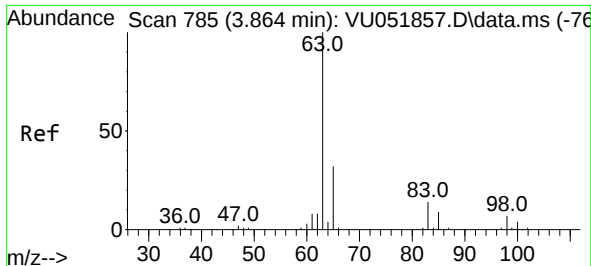
Ion Ratio Lower Upper

73 100

43 10.7 13.4 20.0#

57 21.1 17.7 26.5





#19

1,1-Dichloroethane

Concen: 1.753 ug/L

RT: 3.870 min Scan# 785

Delta R.T. 0.006 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

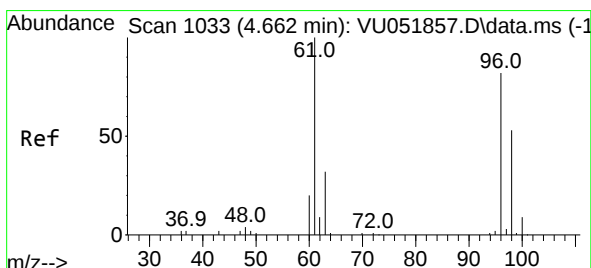
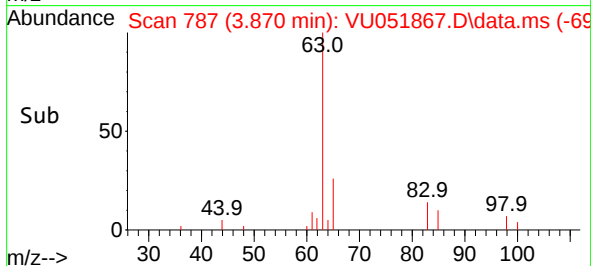
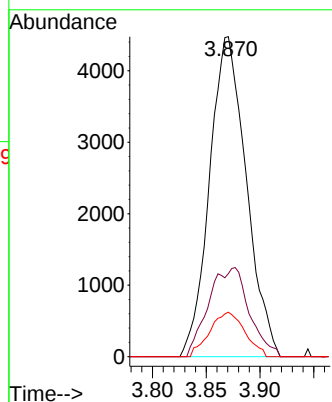
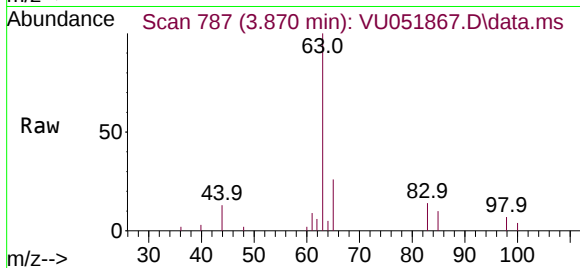
Tgt Ion: 63 Resp: 10626

Ion Ratio Lower Upper

63 100

65 26.0 22.2 41.2

83 13.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 1.639 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

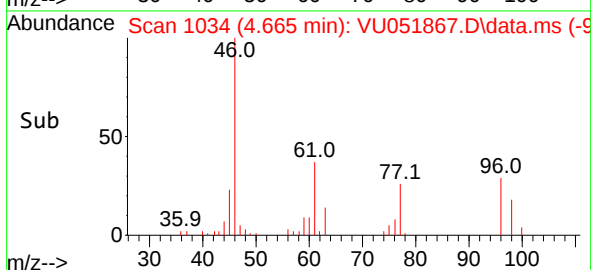
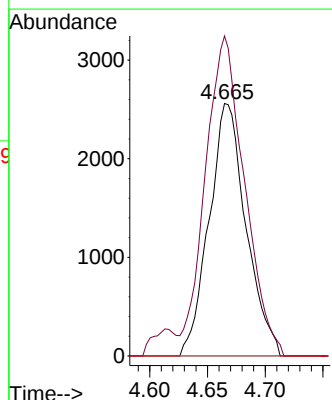
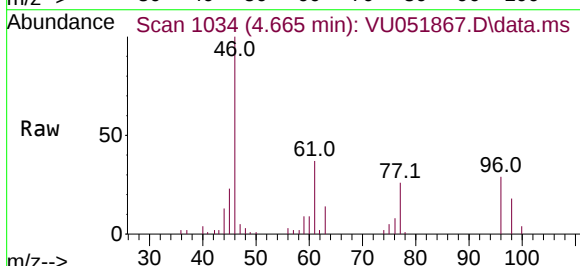
Tgt Ion: 96 Resp: 5696

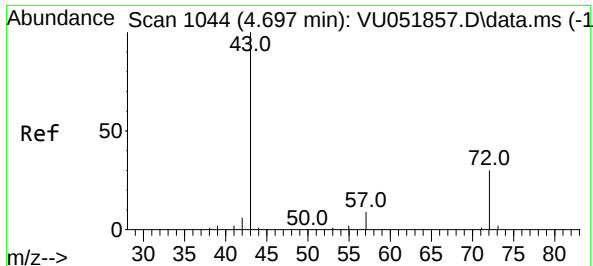
Ion Ratio Lower Upper

96 100

61 126.7 86.0 159.8

68 0.0 0.0 0.0

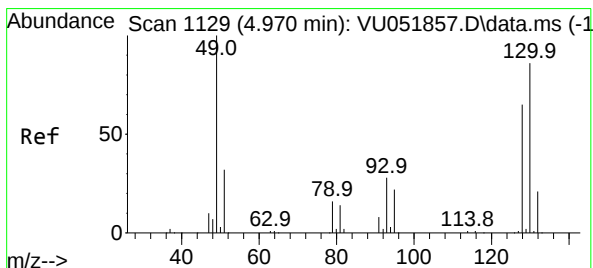
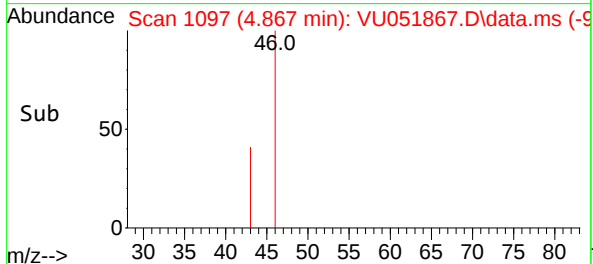
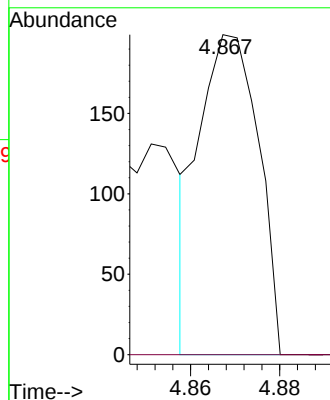
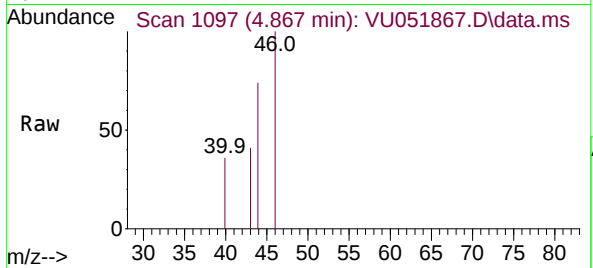




#22
2-Butanone
Concen: 0.058 ug/L
RT: 4.867 min Scan# 1131
Delta R.T. 0.170 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

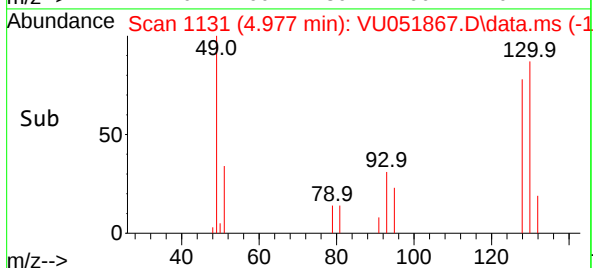
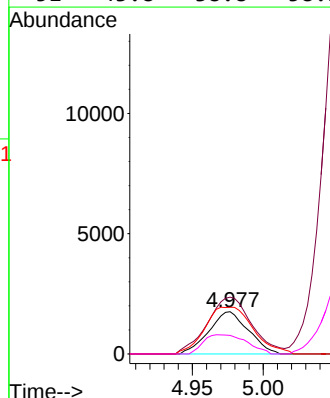
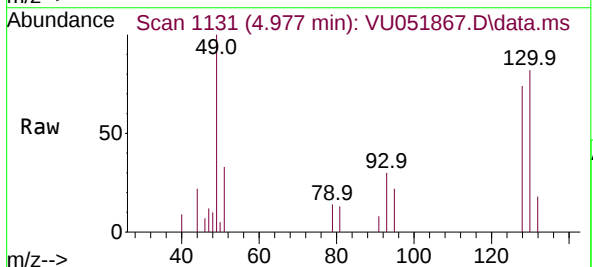
Instrument :
MSVOA_U
ClientSampleId :
MDL02

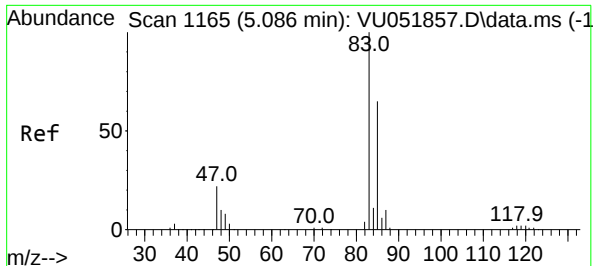
Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
72 23.0 15.7 47.1



#23
Bromochloromethane
Concen: 1.777 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 128 Resp: 3408
Ion Ratio Lower Upper
128 100
49 134.5 107.2 199.0
130 110.7 92.5 171.7
51 43.8 38.8 58.2





#25

Chloroform

Concen: 1.824 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

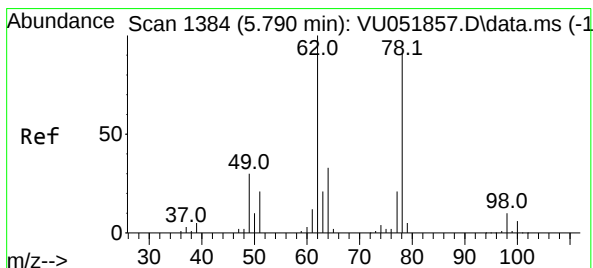
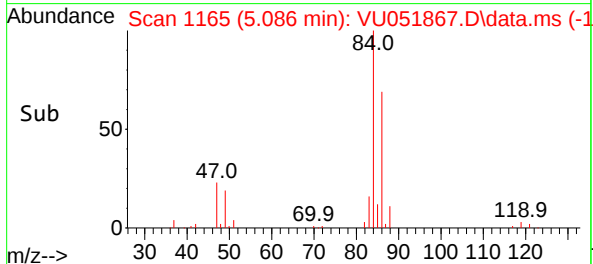
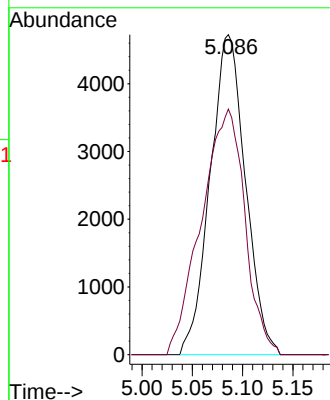
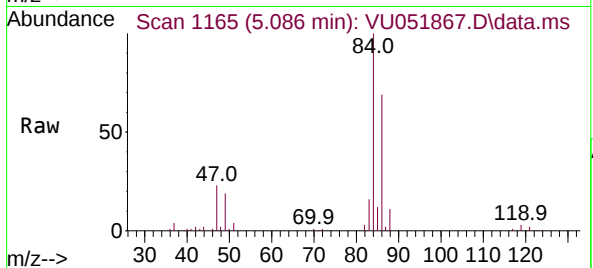
MDL02

Tgt Ion: 83 Resp: 11537

Ion Ratio Lower Upper

83 100

85 76.7 45.6 84.8



#27

1,2-Dichloroethane

Concen: 1.957 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VU051867.D

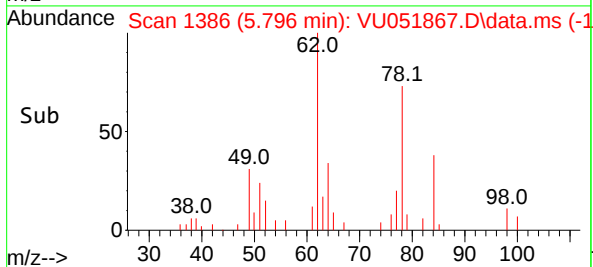
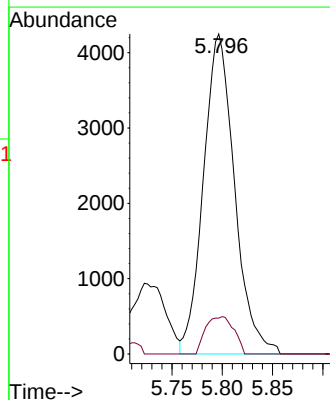
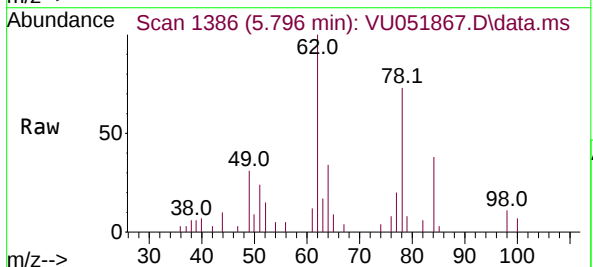
Acq: 15 Nov 2022 18:22

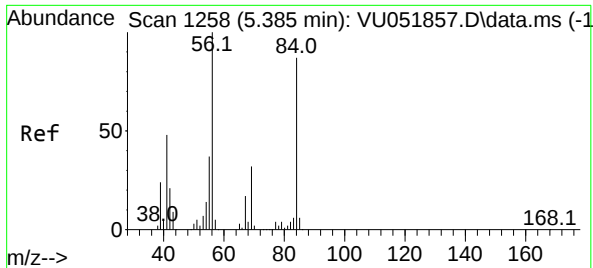
Tgt Ion: 62 Resp: 9147

Ion Ratio Lower Upper

62 100

98 11.2 8.1 12.1





#29

Cyclohexane

Concen: 1.513 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

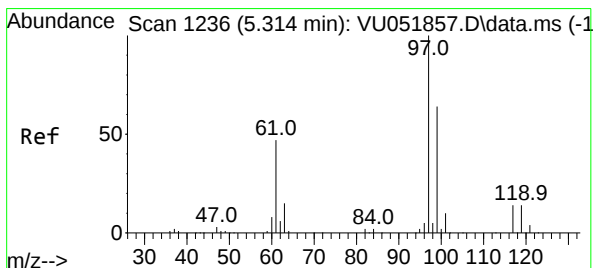
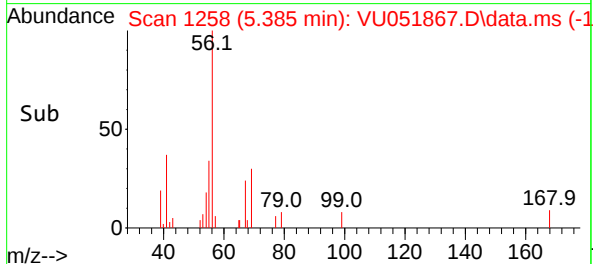
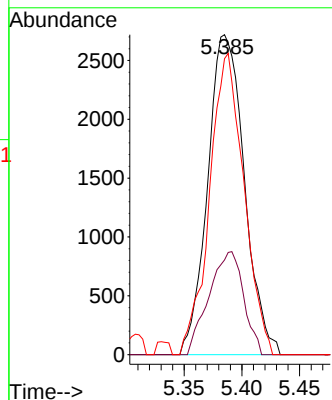
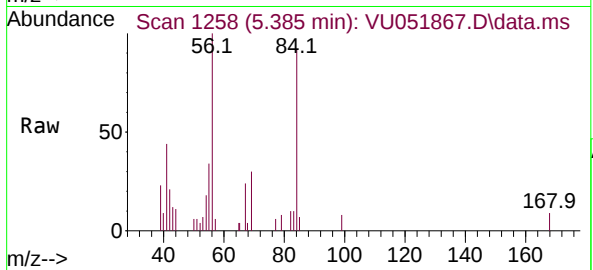
Tgt Ion: 56 Resp: 6016

Ion Ratio Lower Upper

56 100

69 30.3 25.4 38.2

84 88.0 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 1.681 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

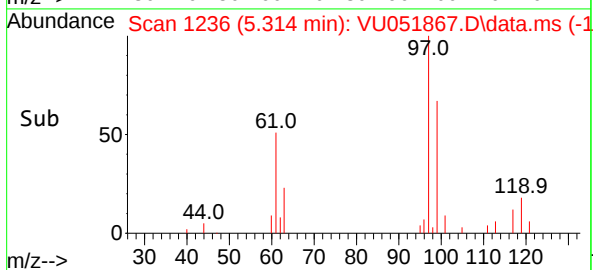
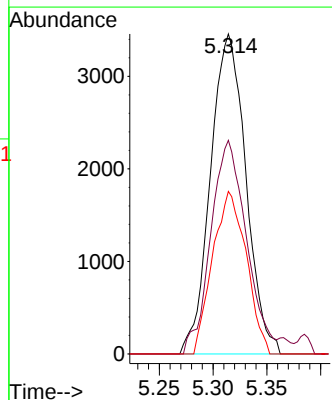
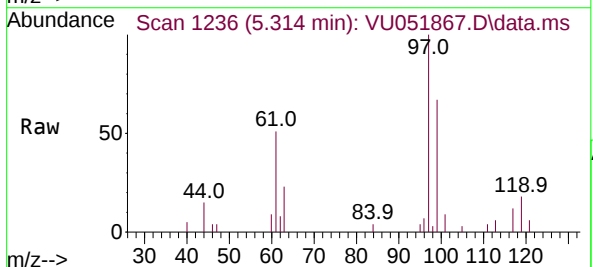
Tgt Ion: 97 Resp: 7923

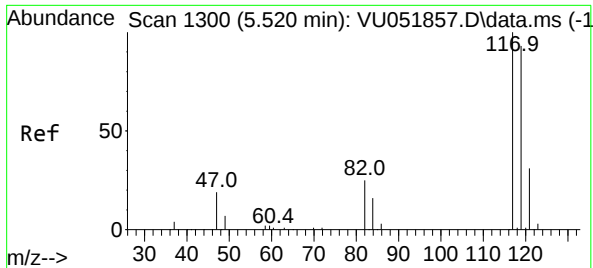
Ion Ratio Lower Upper

97 100

99 67.3 51.2 76.8

61 48.2 37.4 56.2

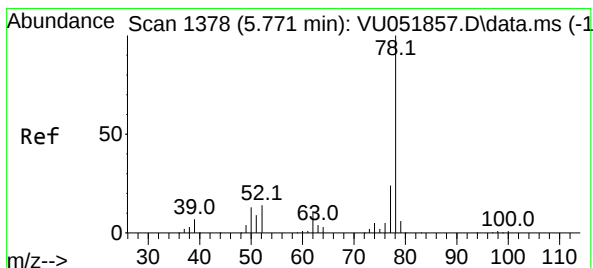
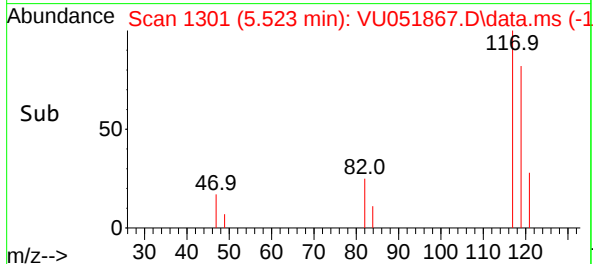
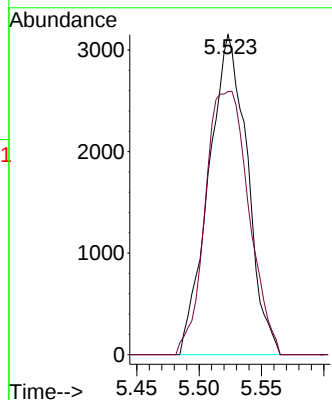
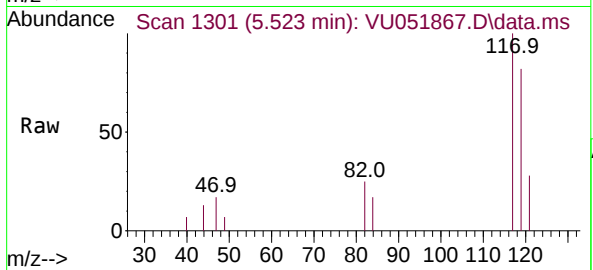




#31
Carbon tetrachloride
Concen: 1.722 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

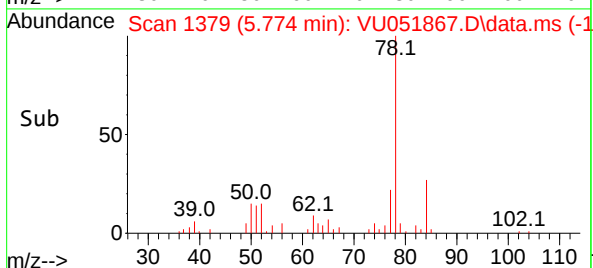
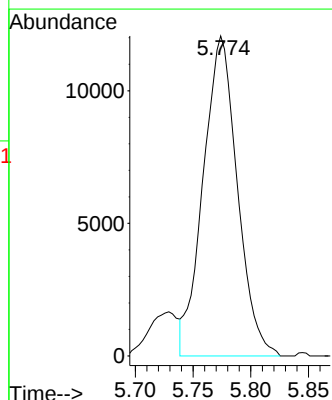
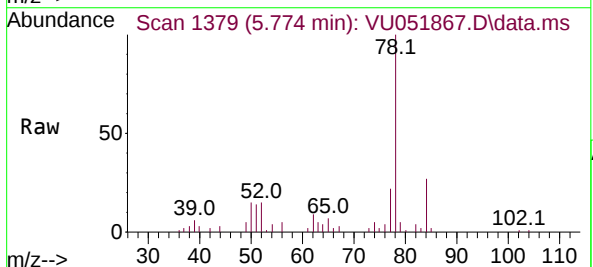
Instrument :
MSVOA_U
ClientSampleId :
MDL02

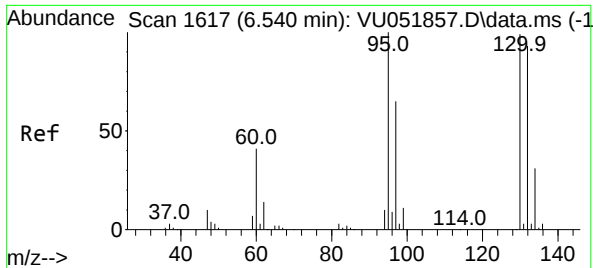
Tgt Ion:117 Resp: 6783
Ion Ratio Lower Upper
117 100
119 93.0 75.6 113.4



#33
Benzene
Concen: 1.853 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 78 Resp: 24841



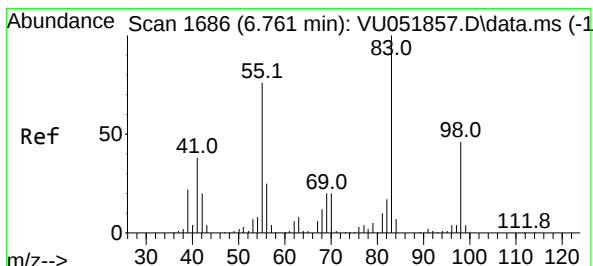
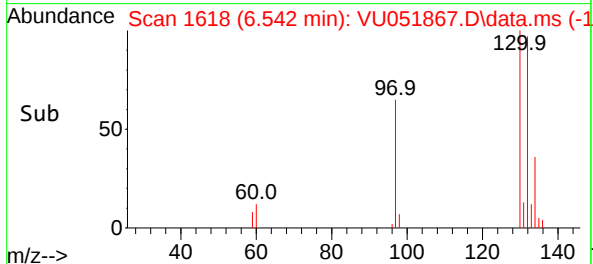
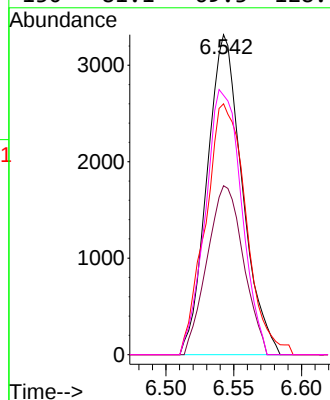
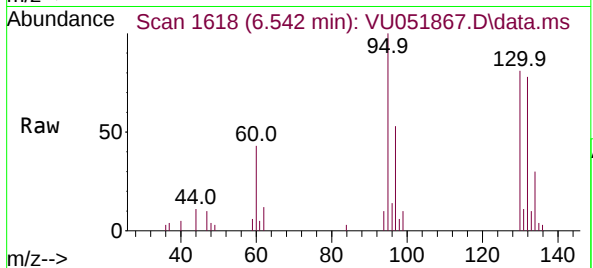


#34
Trichloroethene
Concen: 1.885 ug/L
RT: 6.542 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 95 Resp: 5988

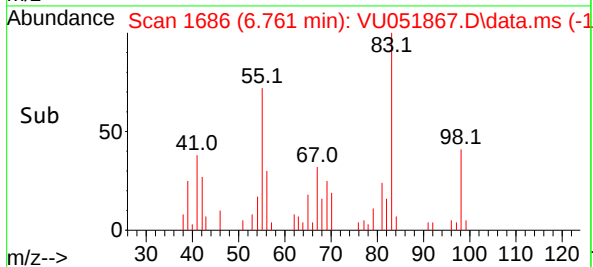
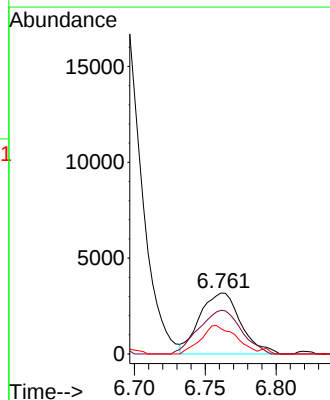
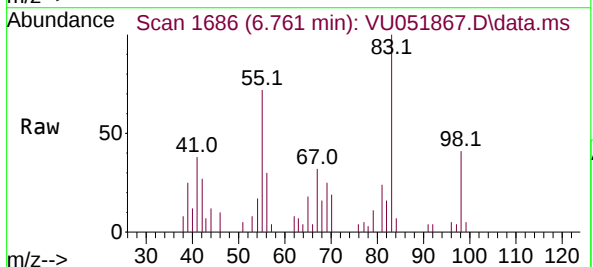
Ion	Ratio	Lower	Upper
95	100		
97	52.8	45.8	85.0
132	78.4	65.3	121.3
130	81.1	69.3	128.7

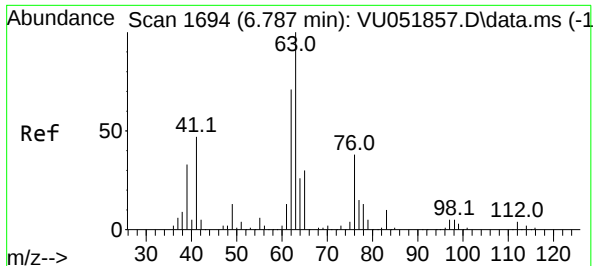


#35
Methylcyclohexane
Concen: 1.484 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 83 Resp: 6390

Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.0	90.0
98	40.2	35.8	53.8





#37

1,2-Dichloropropane

Concen: 1.856 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

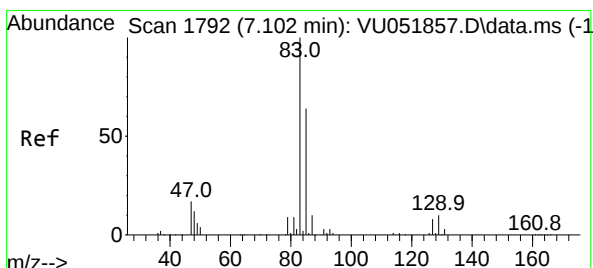
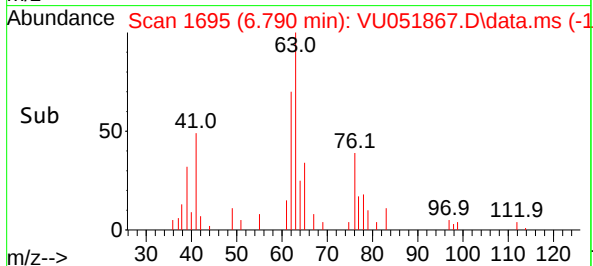
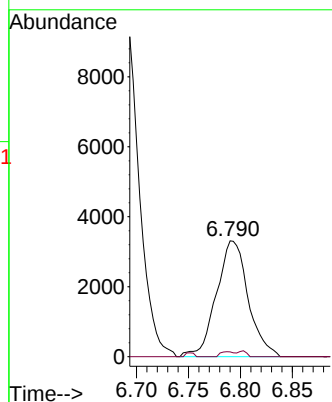
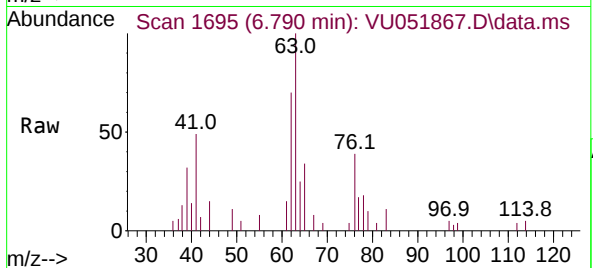
MDL02

Tgt Ion: 63 Resp: 7044

Ion Ratio Lower Upper

63 100

112 2.0 3.0 4.6#



#38

Bromodichloromethane

Concen: 1.756 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

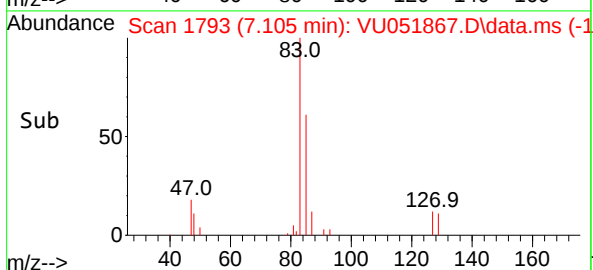
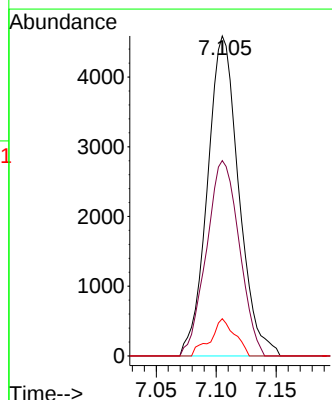
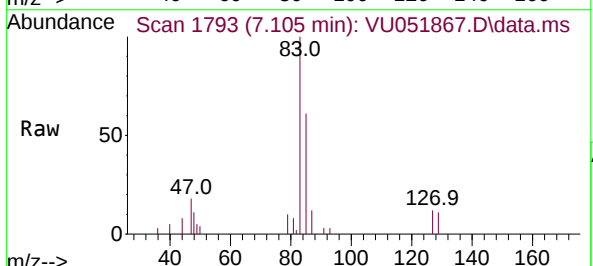
Tgt Ion: 83 Resp: 8342

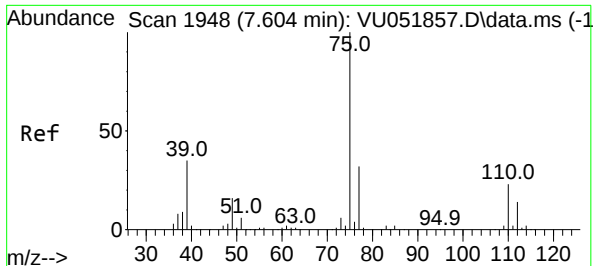
Ion Ratio Lower Upper

83 100

85 61.1 44.6 82.8

127 11.7 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 1.599 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

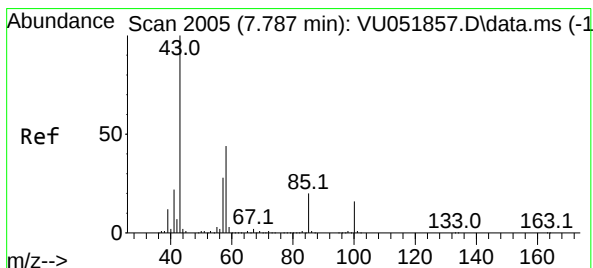
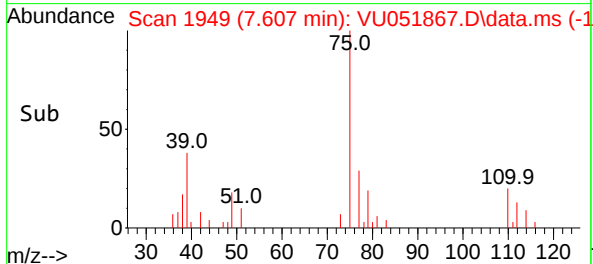
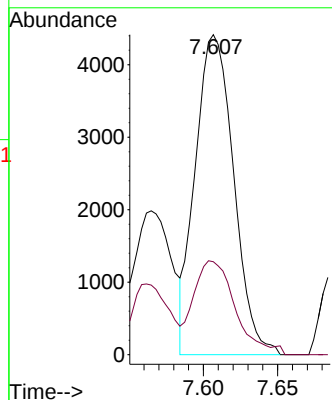
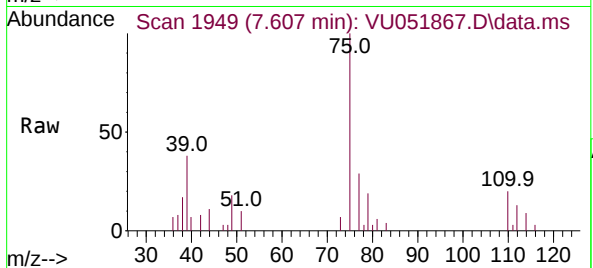
MDL02

Tgt Ion: 75 Resp: 7942

Ion Ratio Lower Upper

75 100

77 29.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 3.233 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

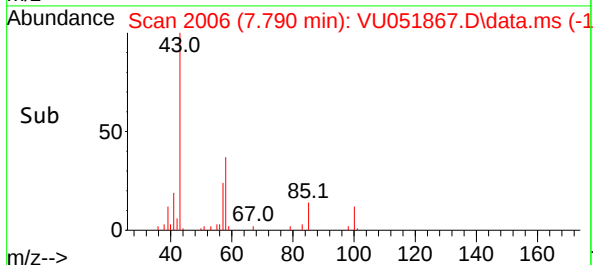
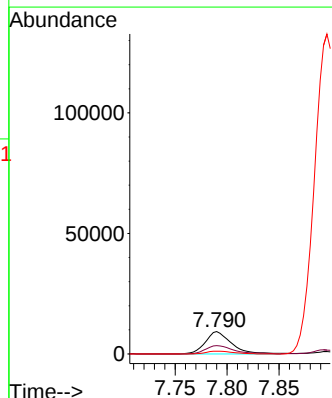
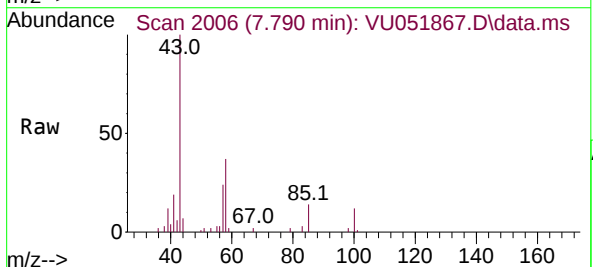
Tgt Ion: 43 Resp: 16160

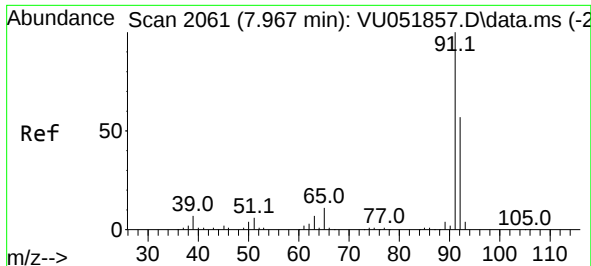
Ion Ratio Lower Upper

43 100

58 40.3 35.4 53.2

100 12.9 13.4 20.0#





#42

Toluene

Concen: 1.783 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

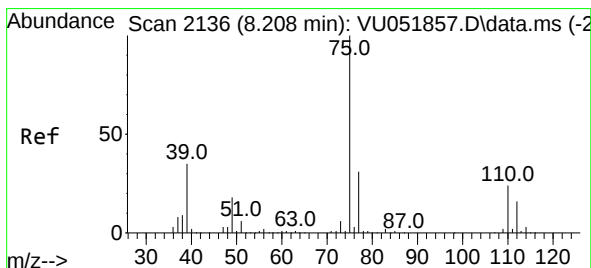
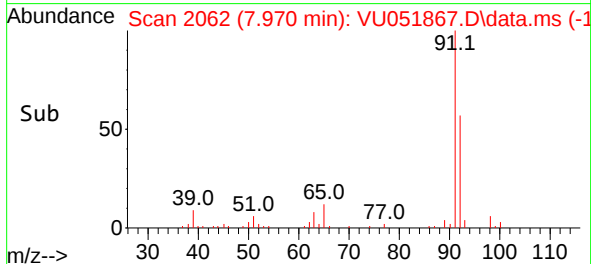
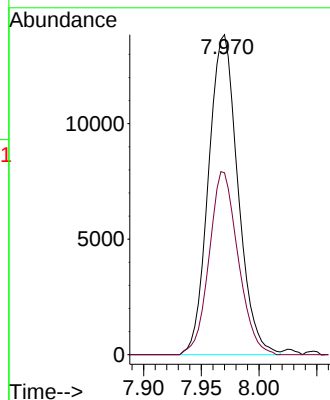
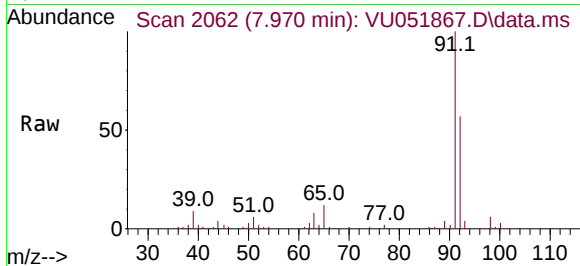
MDL02

Tgt Ion: 91 Resp: 24586

Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 2.136 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051867.D

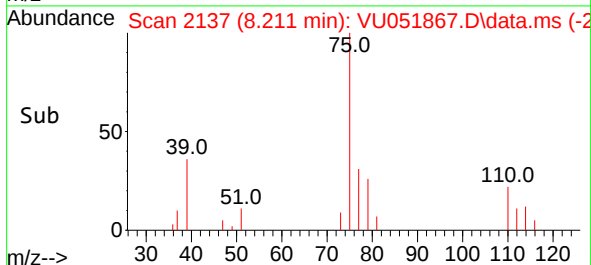
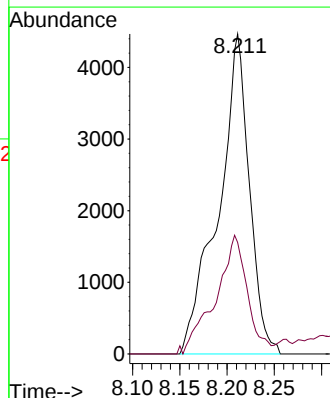
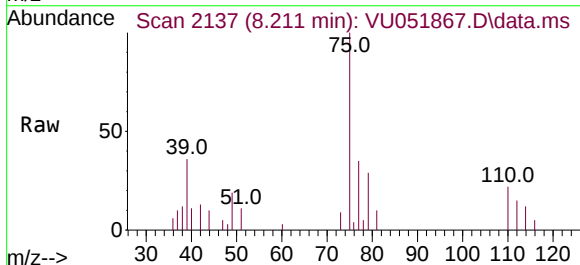
Acq: 15 Nov 2022 18:22

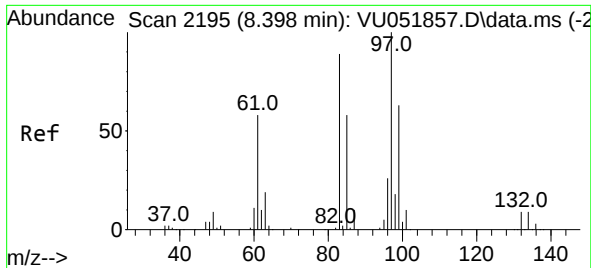
Tgt Ion: 75 Resp: 10166

Ion Ratio Lower Upper

75 100

77 34.8 21.8 40.6

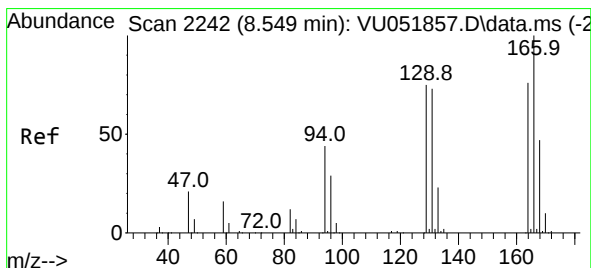
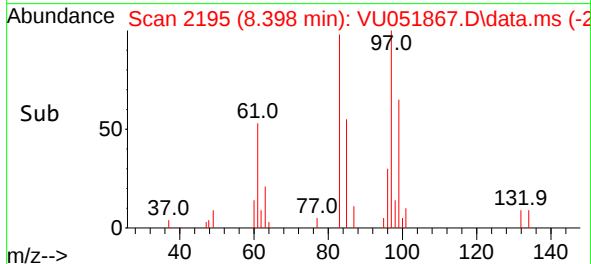
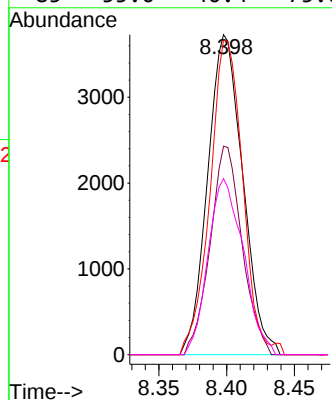
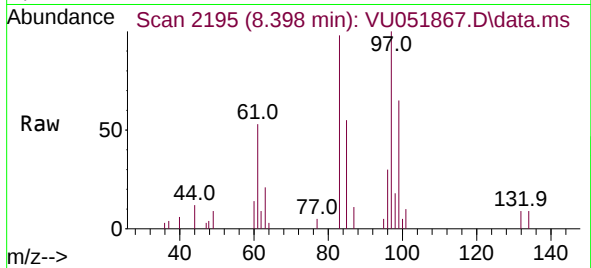




#45
1,1,2-Trichloroethane
Concen: 1.739 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

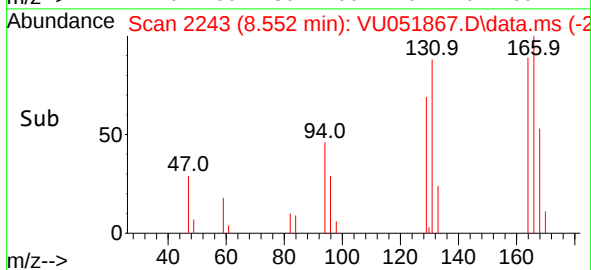
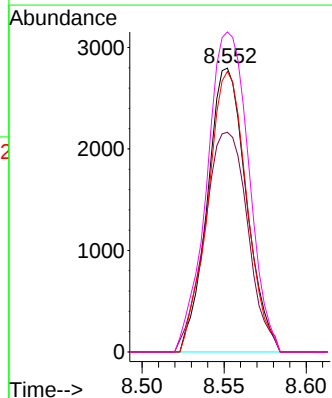
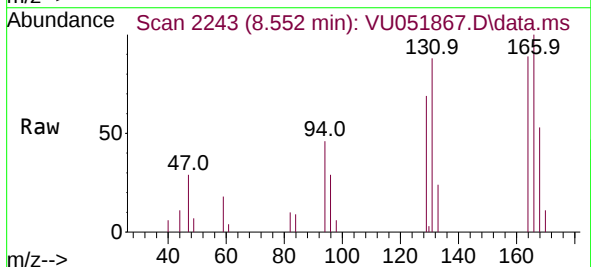
Instrument :
MSVOA_U
ClientSampleId :
MDL02

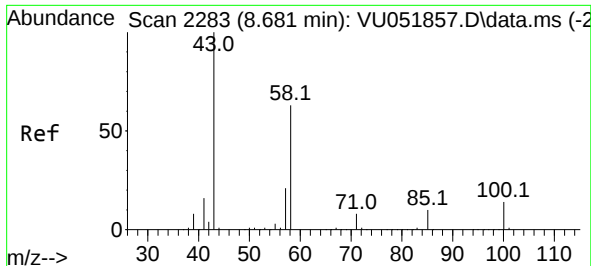
Tgt Ion: 97	Resp: 6707
Ion Ratio	Lower Upper
97 100	
99 65.1	44.3 82.3
83 98.4	62.3 115.7
85 55.0	40.4 75.0



#46
Tetrachloroethene
Concen: 1.813 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt	Ion:164	Resp:	4599
Ion	Ratio	Lower	Upper
164	100		
129	77.4	68.5	127.1
131	98.8	66.6	123.8
166	112.7	91.9	170.7

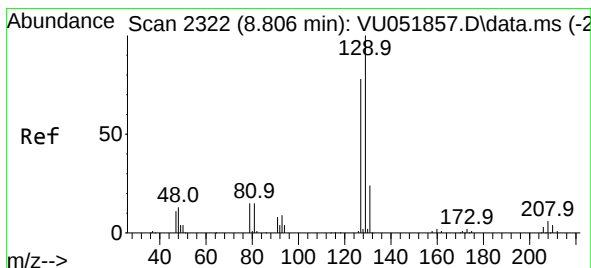
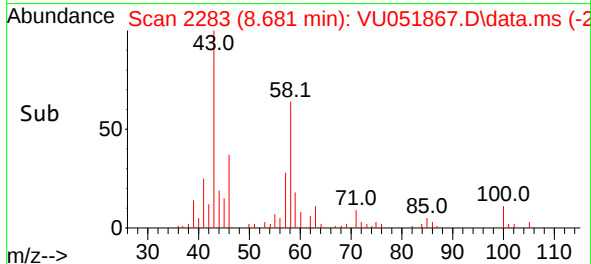
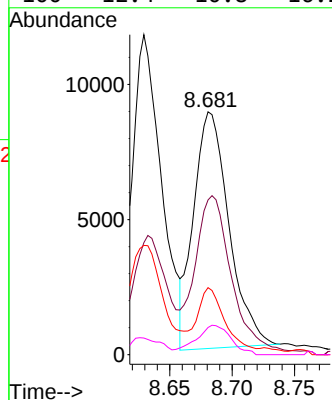
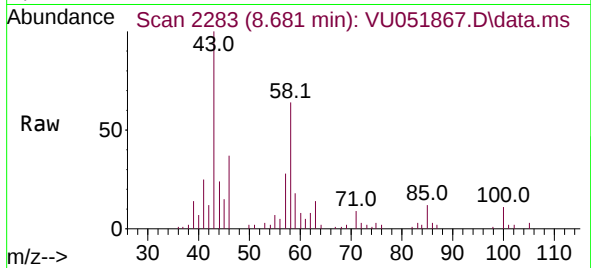




#48
2-Hexanone
Concen: 4.025 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

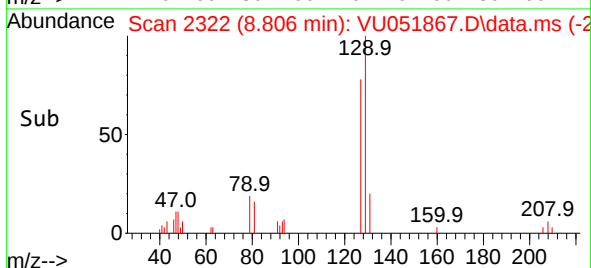
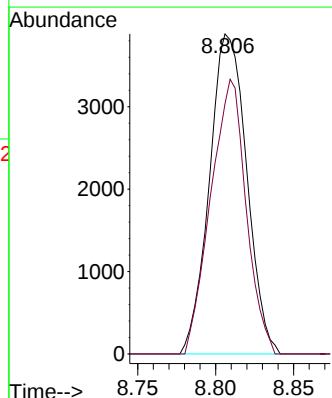
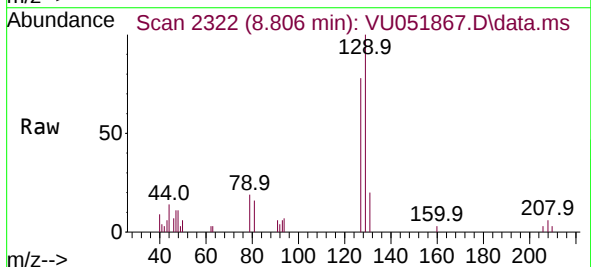
Instrument :
MSVOA_U
ClientSampleId :
MDL02

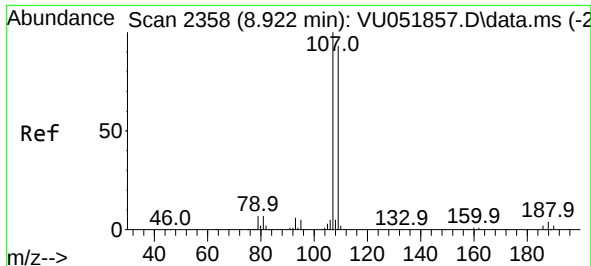
Tgt Ion: 43	Resp: 17282
Ion Ratio	Lower Upper
43 100	
58 67.5	50.6 76.0
57 22.5	16.8 25.2
100 12.4	10.8 16.2



#49
Dibromochloromethane
Concen: 1.624 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion:129	Resp:	6460	
Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.4	101.0

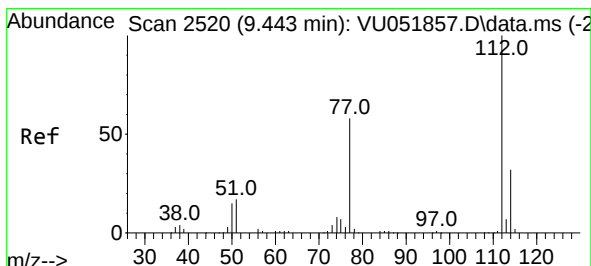
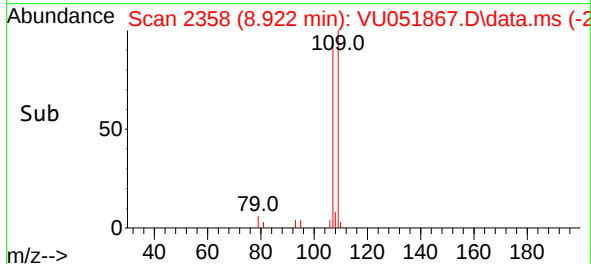
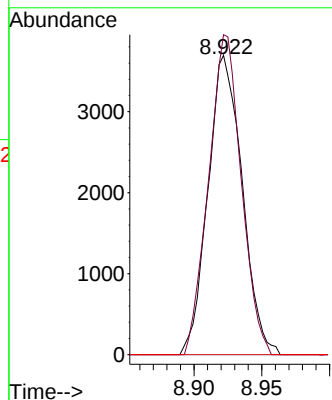
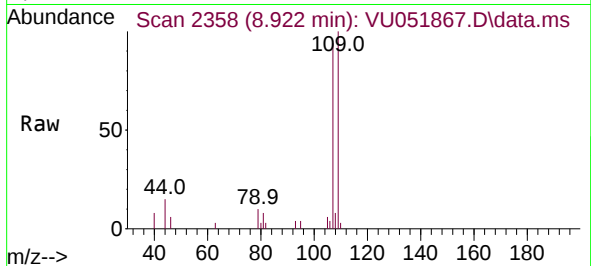




#50
1,2-Dibromoethane
Concen: 1.670 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

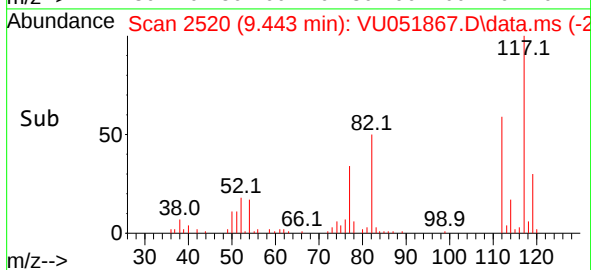
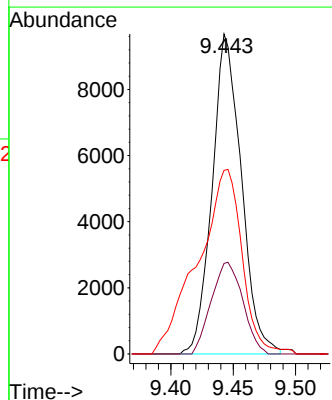
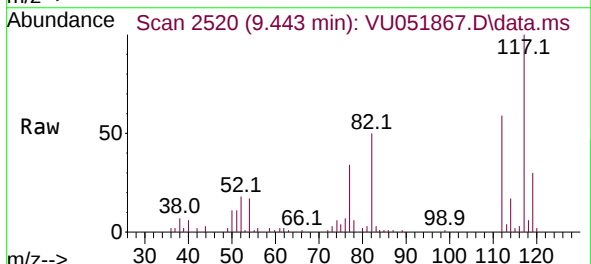
Instrument :
MSVOA_U
ClientSampleId :
MDL02

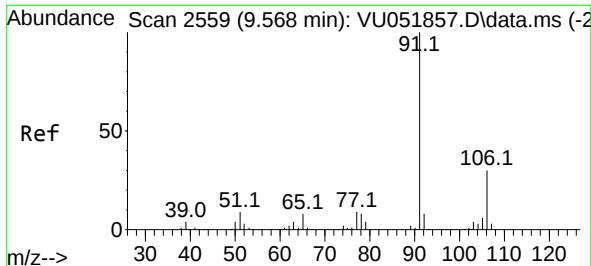
Tgt Ion:107 Resp: 6485
Ion Ratio Lower Upper
107 100
109 106.9 65.0 120.6
188 0.0 2.9 4.3#



#51
Chlorobenzene
Concen: 1.672 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion:112 Resp: 15755
Ion Ratio Lower Upper
112 100
114 28.3 22.2 41.2
77 57.4 46.7 70.1

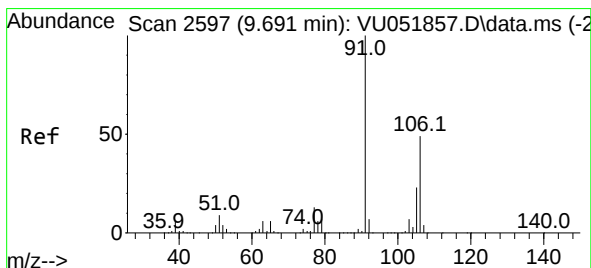
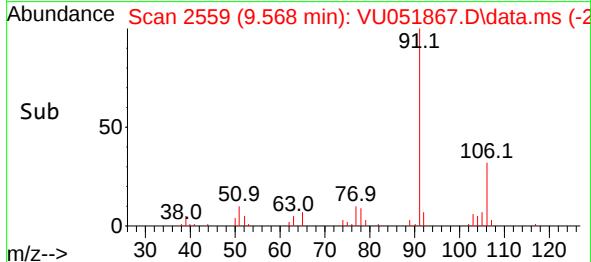
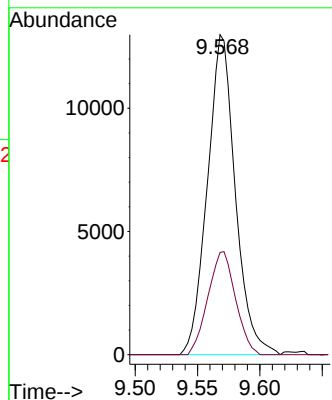
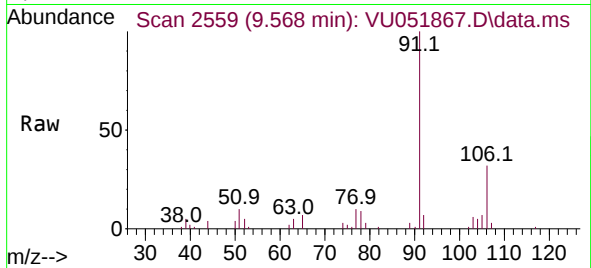




#52
Ethylbenzene
Concen: 1.433 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

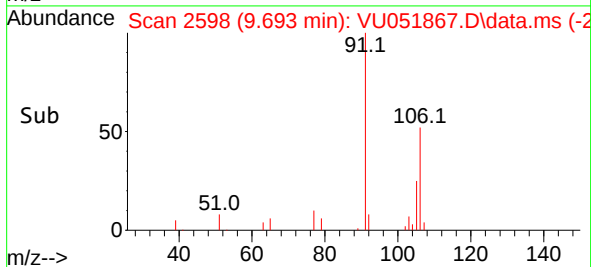
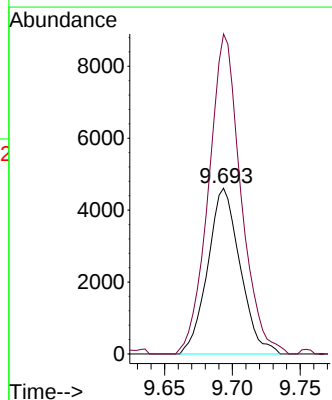
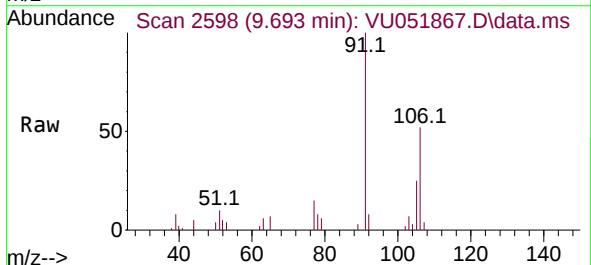
Instrument :
MSVOA_U
ClientSampleId :
MDL02

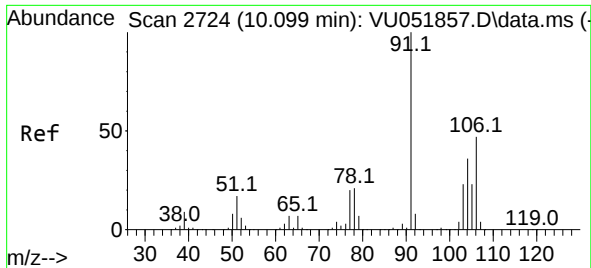
Tgt Ion: 91 Resp: 20226
Ion Ratio Lower Upper
91 100
106 31.9 21.3 39.6



#53
m,p-Xylene
Concen: 1.402 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion: 106 Resp: 7659
Ion Ratio Lower Upper
106 100
91 193.0 141.7 263.3

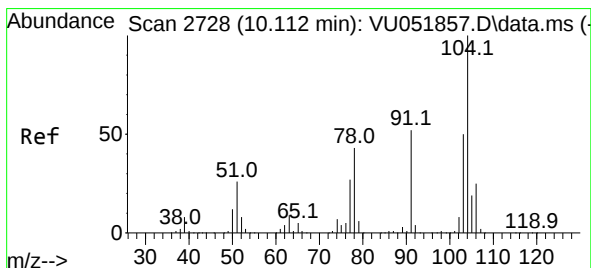
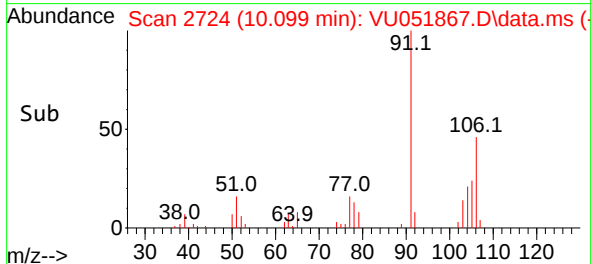
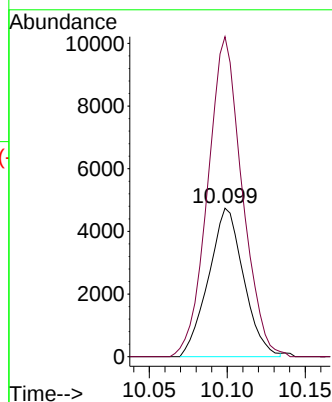
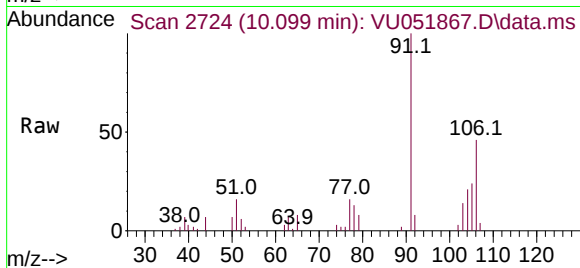




#54
o-Xylene
Concen: 1.335 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

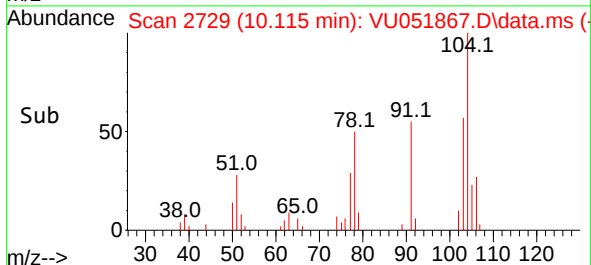
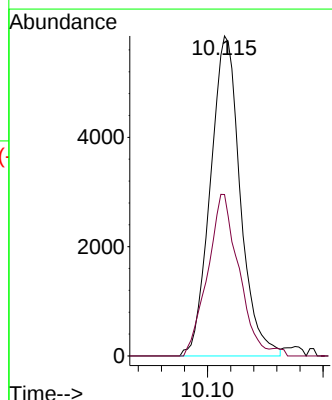
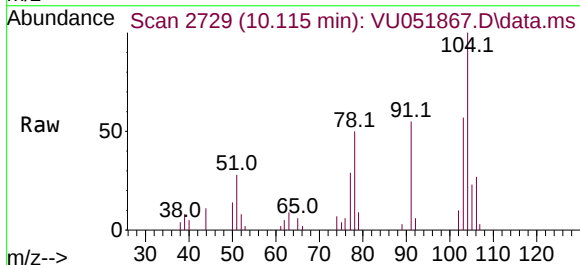
Instrument :
MSVOA_U
ClientSampleId :
MDL02

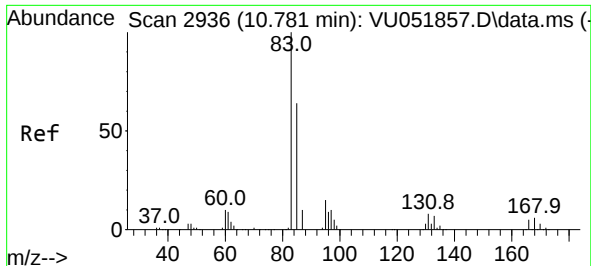
Tgt Ion:106 Resp: 7422
Ion Ratio Lower Upper
106 100
91 215.5 149.7 278.1



#55
Styrene
Concen: 1.095 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion:104 Resp: 10503
Ion Ratio Lower Upper
104 100
78 50.5 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 1.757 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.004 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

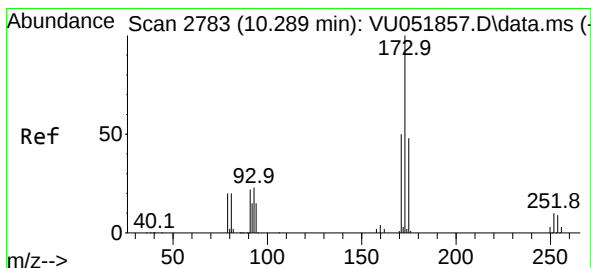
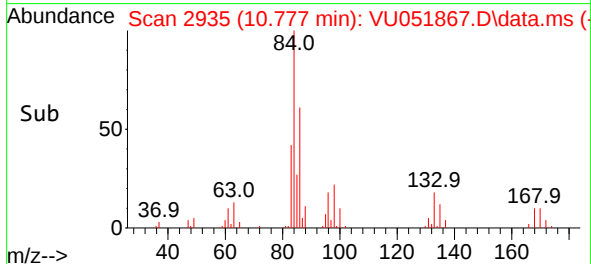
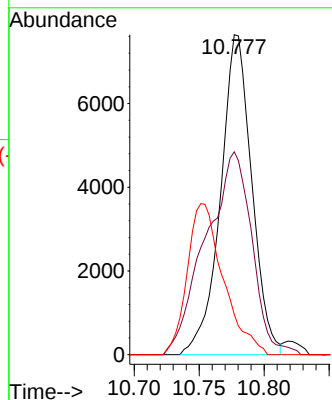
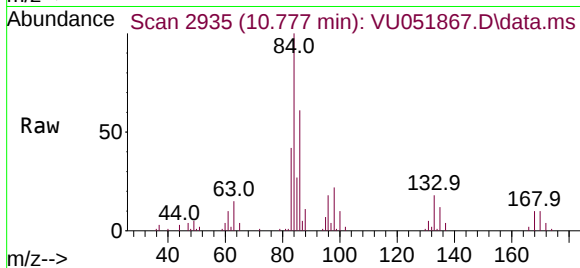
Tgt Ion: 83 Resp: 12805

Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.3

131 12.6 6.8 10.2#



#59

Bromoform

Concen: 2.048 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

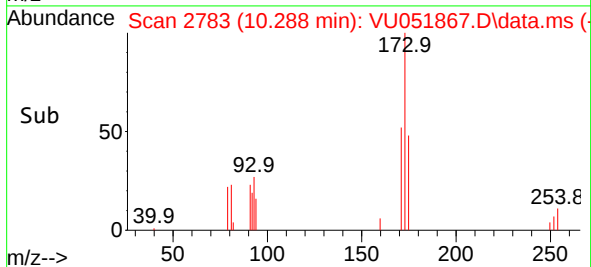
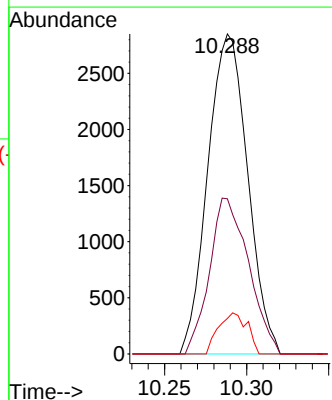
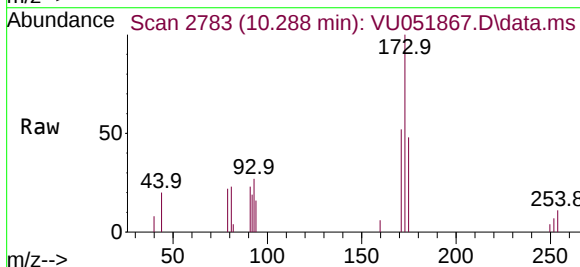
Tgt Ion:173 Resp: 4802

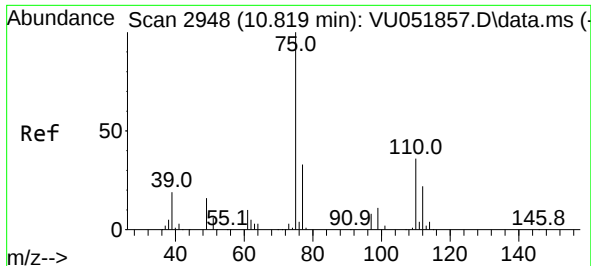
Ion Ratio Lower Upper

173 100

175 47.7 38.9 58.3

254 9.2 7.4 11.2

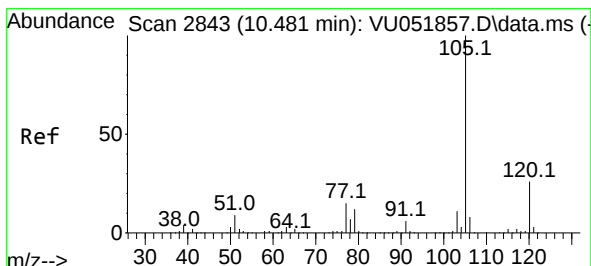
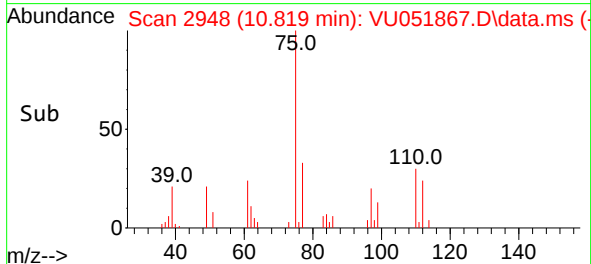
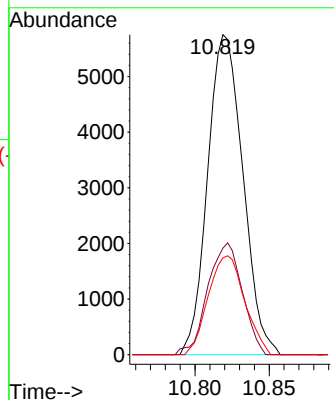
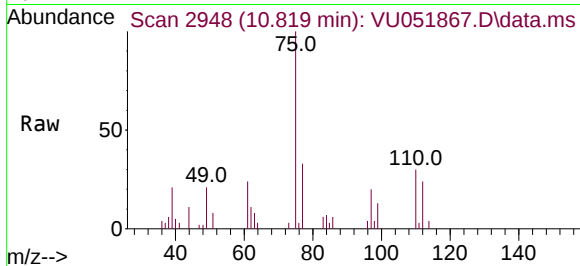




#60
1,2,3-Trichloropropane
Concen: 2.296 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

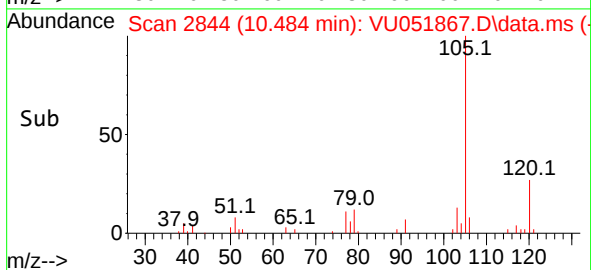
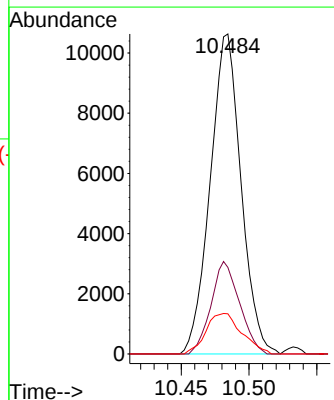
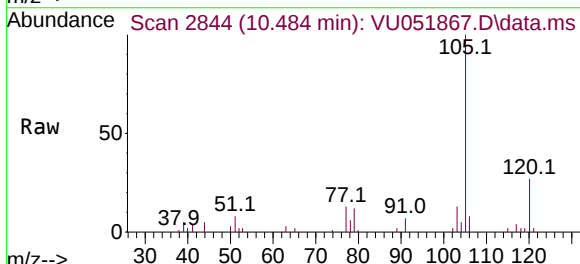
Instrument :
MSVOA_U
ClientSampleId :
MDL02

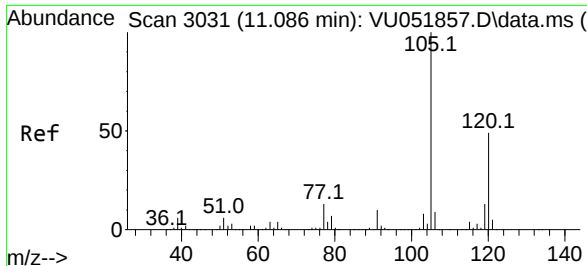
Tgt Ion:	75	Resp:	9500
Ion	Ratio	Lower	Upper
75	100		
77	34.2	26.2	39.4
110	31.8	29.0	43.4



#61
Isopropylbenzene
Concen: 1.663 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion:	105	Resp:	16816
Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.1	31.7
77	14.7	12.2	18.4

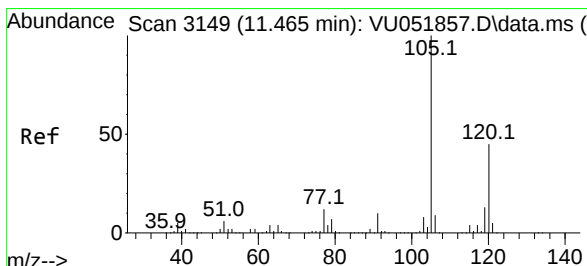
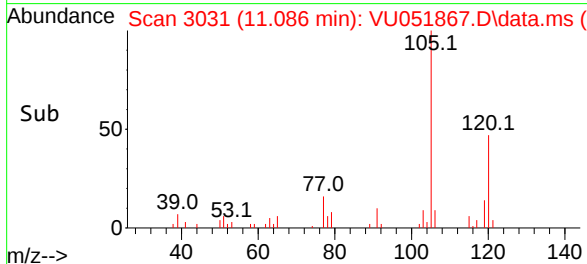
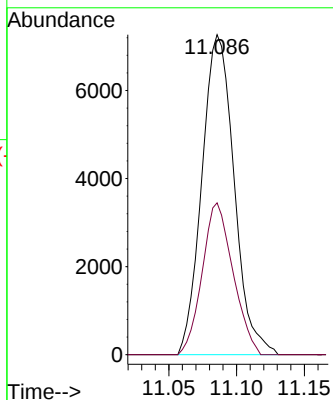
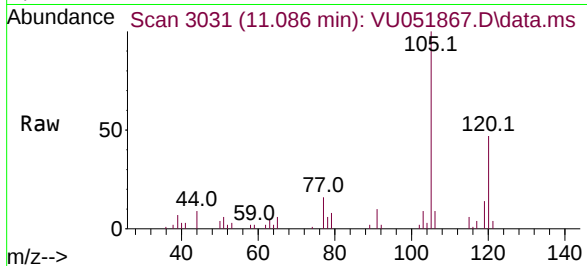




#62
 1,3,5-Trimethylbenzene
 Concen: 1.458 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051867.D
 Acq: 15 Nov 2022 18:22

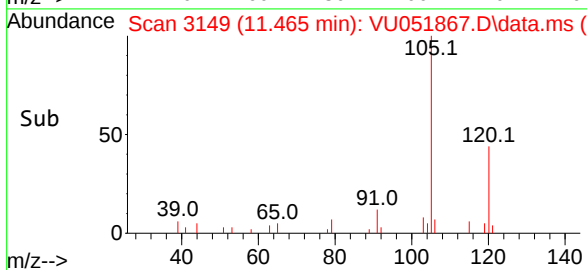
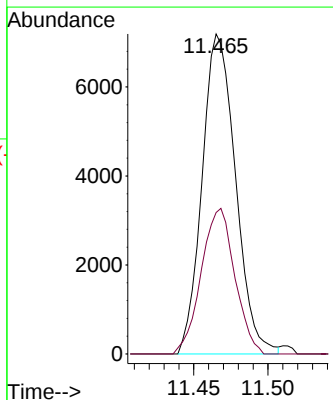
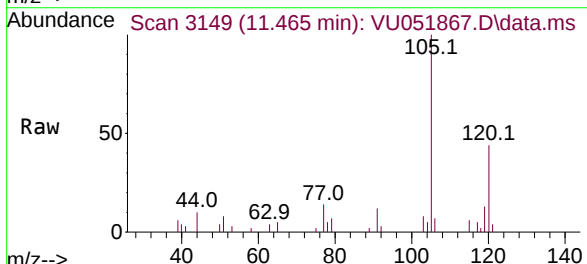
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

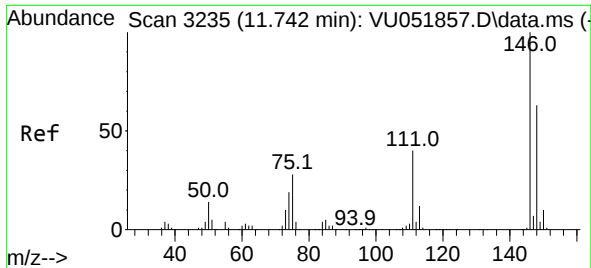
Tgt Ion:105 Resp: 12013
 Ion Ratio Lower Upper
 105 100
 120 45.3 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 1.400 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051867.D
 Acq: 15 Nov 2022 18:22

Tgt Ion:105 Resp: 11264
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.2

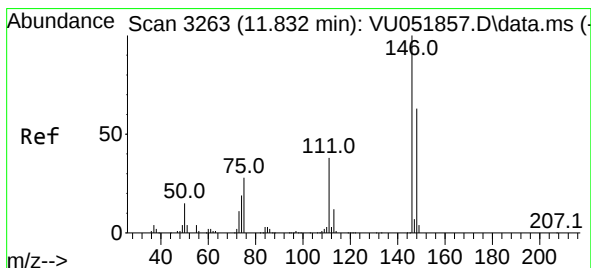
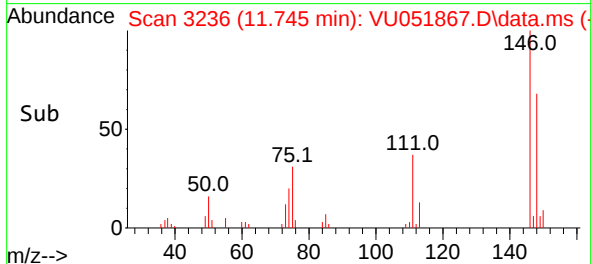
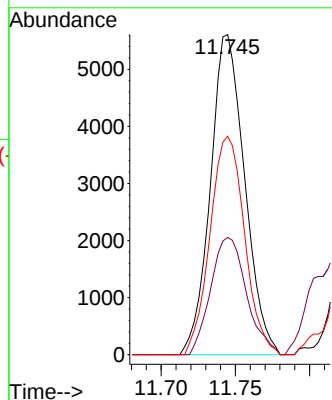
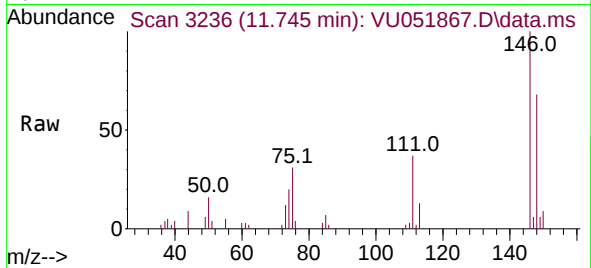




#64
1,3-Dichlorobenzene
Concen: 1.757 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

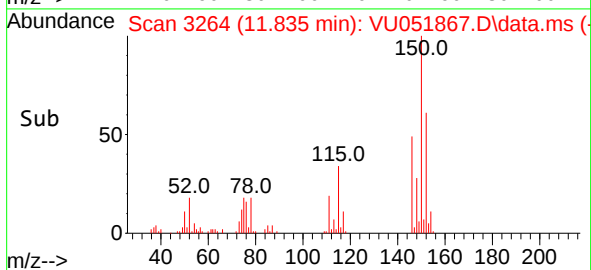
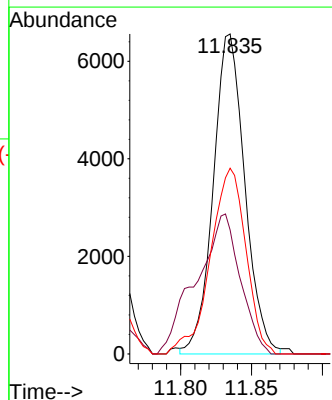
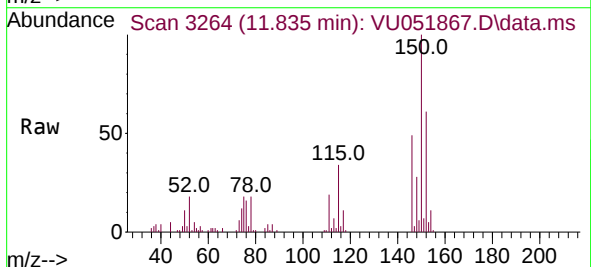
Instrument :
MSVOA_U
ClientSampleId :
MDL02

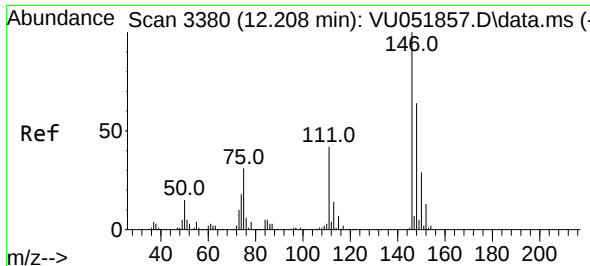
Tgt Ion:146 Resp: 9002
Ion Ratio Lower Upper
146 100
111 36.6 28.1 52.1
148 68.3 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 1.959 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion:146 Resp: 10165
Ion Ratio Lower Upper
146 100
111 38.7 26.7 49.5
148 58.0 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 1.976 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

MDL02

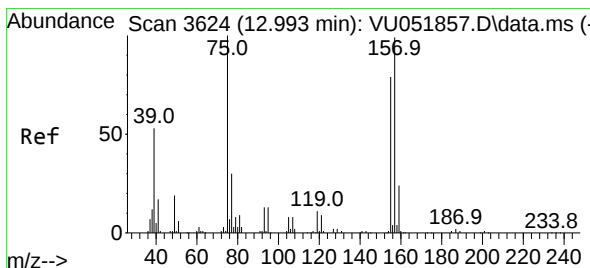
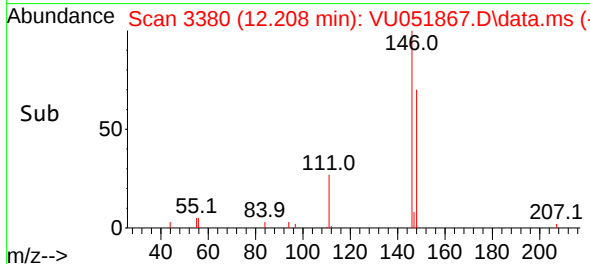
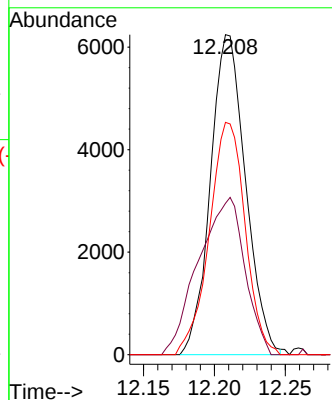
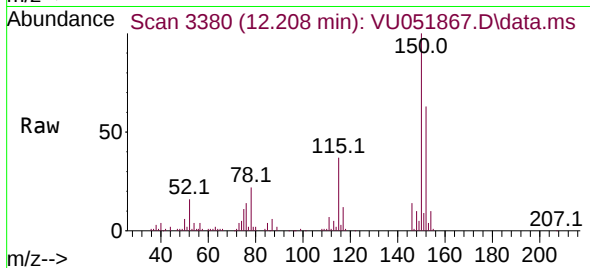
Tgt Ion:146 Resp: 10766

Ion Ratio Lower Upper

146 100

111 47.3 33.6 50.4

148 72.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.000 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051867.D

Acq: 15 Nov 2022 18:22

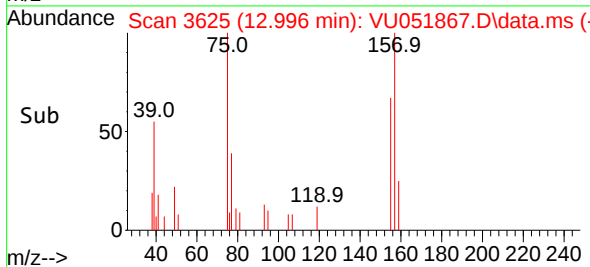
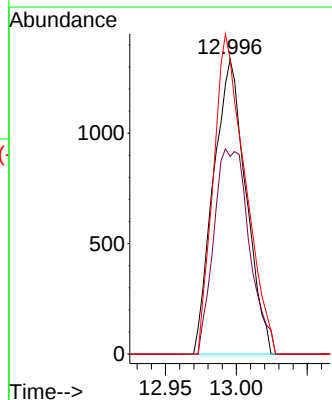
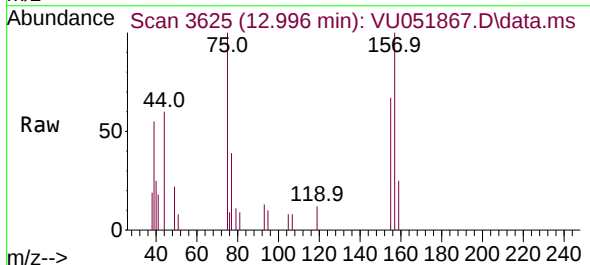
Tgt Ion: 75 Resp: 2119

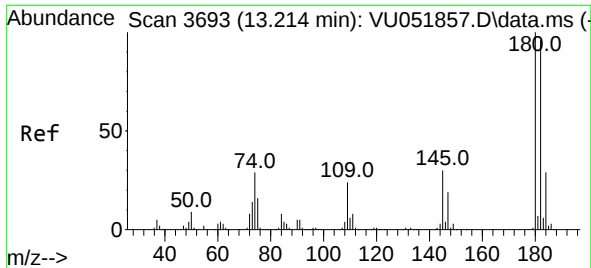
Ion Ratio Lower Upper

75 100

155 67.1 63.0 94.6

157 100.0 79.4 119.0

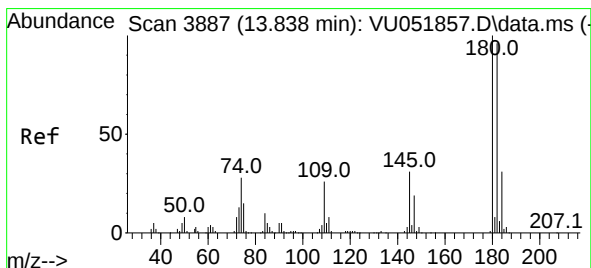
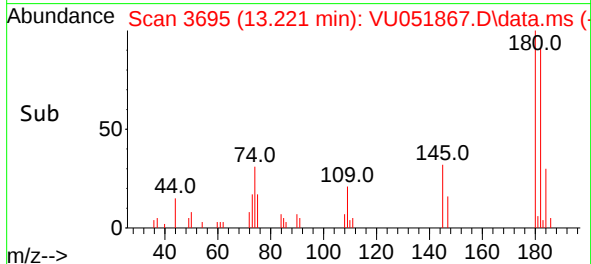
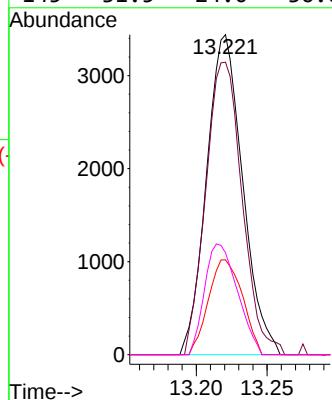
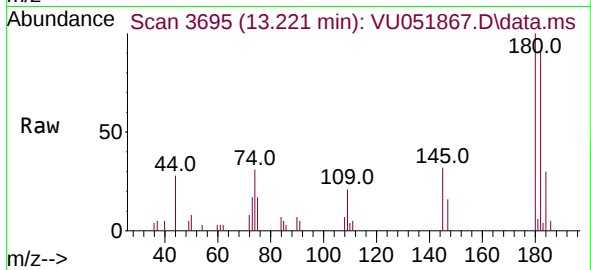




#69
 1,3,5-Trichlorobenzene
 Concen: 1.794 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.006 min
 Lab File: VU051867.D
 Acq: 15 Nov 2022 18:22

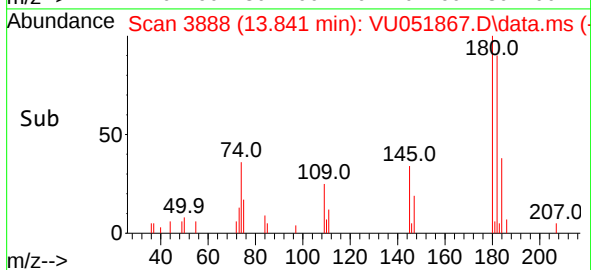
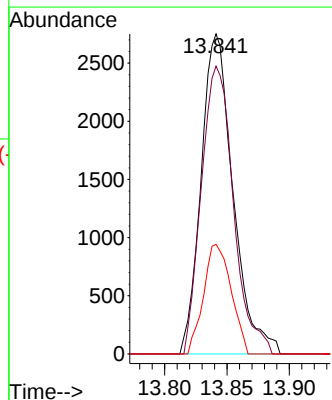
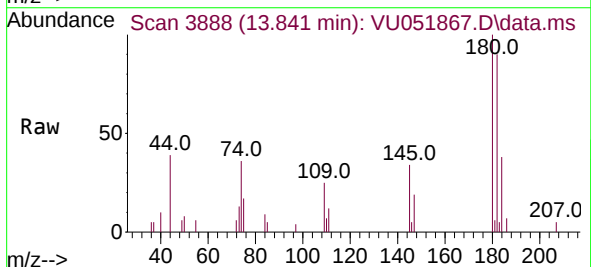
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

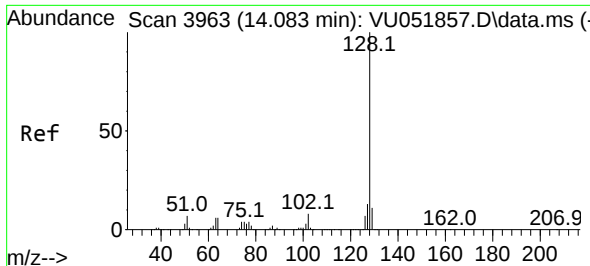
Tgt Ion:180	Resp:	6097
Ion	Ratio	Lower Upper
180	100	
182	92.0	77.0 115.4
184	27.9	23.8 35.8
145	31.5	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 1.819 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU051867.D
 Acq: 15 Nov 2022 18:22

Tgt Ion:180	Resp:	4901
Ion	Ratio	Lower Upper
180	100	
182	90.4	76.4 114.6
145	29.5	24.2 36.2

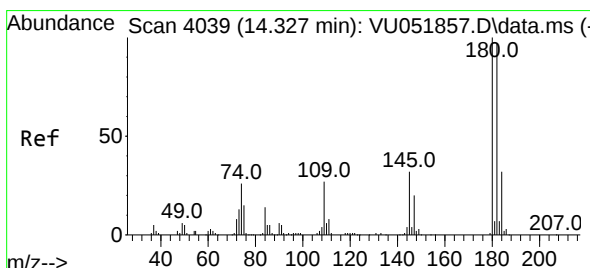
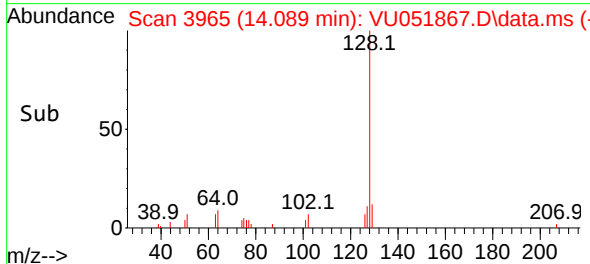
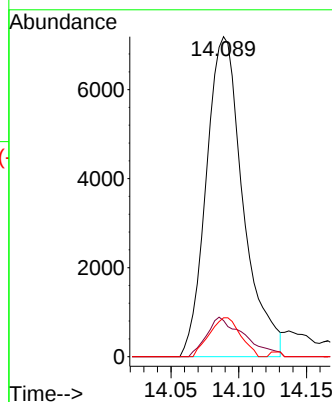
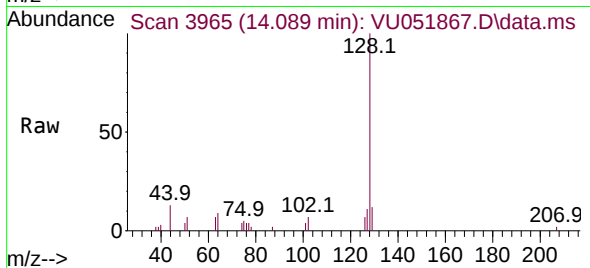




#71
Naphthalene
Concen: 1.529 ug/L
RT: 14.089 min Scan# 3963
Delta R.T. 0.006 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:128	Resp:	13552
Ion Ratio	Lower	Upper
128	100	
127	12.6	10.4 15.6
129	10.3	8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 1.888 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051867.D
Acq: 15 Nov 2022 18:22

Tgt Ion:180	Resp:	5568
Ion Ratio	Lower	Upper
180	100	
182	89.3	76.9 115.3
145	28.2	24.9 37.3

