

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111622\
 Data File : VU051878.D
 Acq On : 16 Nov 2022 12:41
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Quant Time: Nov 17 01:39:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 17 01:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	499711	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	494781	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	200024	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	108359	44.170	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.340%
7) Chloroethane-d5	1.906	69	115830	47.125	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.240%
11) 1,1-Dichloroethene-d2	2.565	63	139250	31.653	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.300%
21) 2-Butanone-d5	4.613	46	281211	100.807	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.810%
24) Chloroform-d	5.060	84	280855	45.669	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.340%
26) 1,2-Dichloroethane-d4	5.697	65	177731	47.212	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.420%
32) Benzene-d6	5.726	84	501365	48.599	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.687	67	187600	48.853	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.700%
41) Toluene-d8	7.896	98	384967	45.463	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.920%
43) trans-1,3-Dichloroprop...	8.176	79	69348	45.339	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.680%
47) 2-Hexanone-d5	8.629	63	189794	97.250	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.250%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	345058	46.169	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	183780	52.209	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6352	2.070	ug/L	98
3) Chloromethane	1.523	50	12050	2.958	ug/L	98
5) Vinyl chloride	1.604	62	9269	2.193	ug/L #	1
6) Bromomethane	1.841	94	4365	2.384	ug/L	92
8) Chloroethane	1.928	64	6218	2.263	ug/L	87
9) Trichlorofluoromethane	2.134	101	10568	2.089	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	8956	2.809	ug/L #	87
12) 1,1-Dichloroethene	2.575	96	7638	2.565	ug/L #	1
13) Acetone	2.623	43	11612	3.891	ug/L	91
14) Carbon disulfide	2.793	76	17702	2.146	ug/L	96
15) Methyl Acetate	2.951	43	9083	2.232	ug/L	99
16) Methylene chloride	3.047	84	12673	2.666	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	6636	2.068	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	20734	2.087	ug/L #	85
19) 1,1-Dichloroethane	3.864	63	13903	2.129	ug/L	89
20) cis-1,2-Dichloroethene	4.665	96	8508	2.272	ug/L	89
22) 2-Butanone	4.710	43	11731	3.480	ug/L	81
23) Bromochloromethane	4.980	128	4153	2.009	ug/L	92
25) Chloroform	5.086	83	16581	2.433	ug/L	91

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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 17 01:20:24 2022
 Response via : Initial Calibration

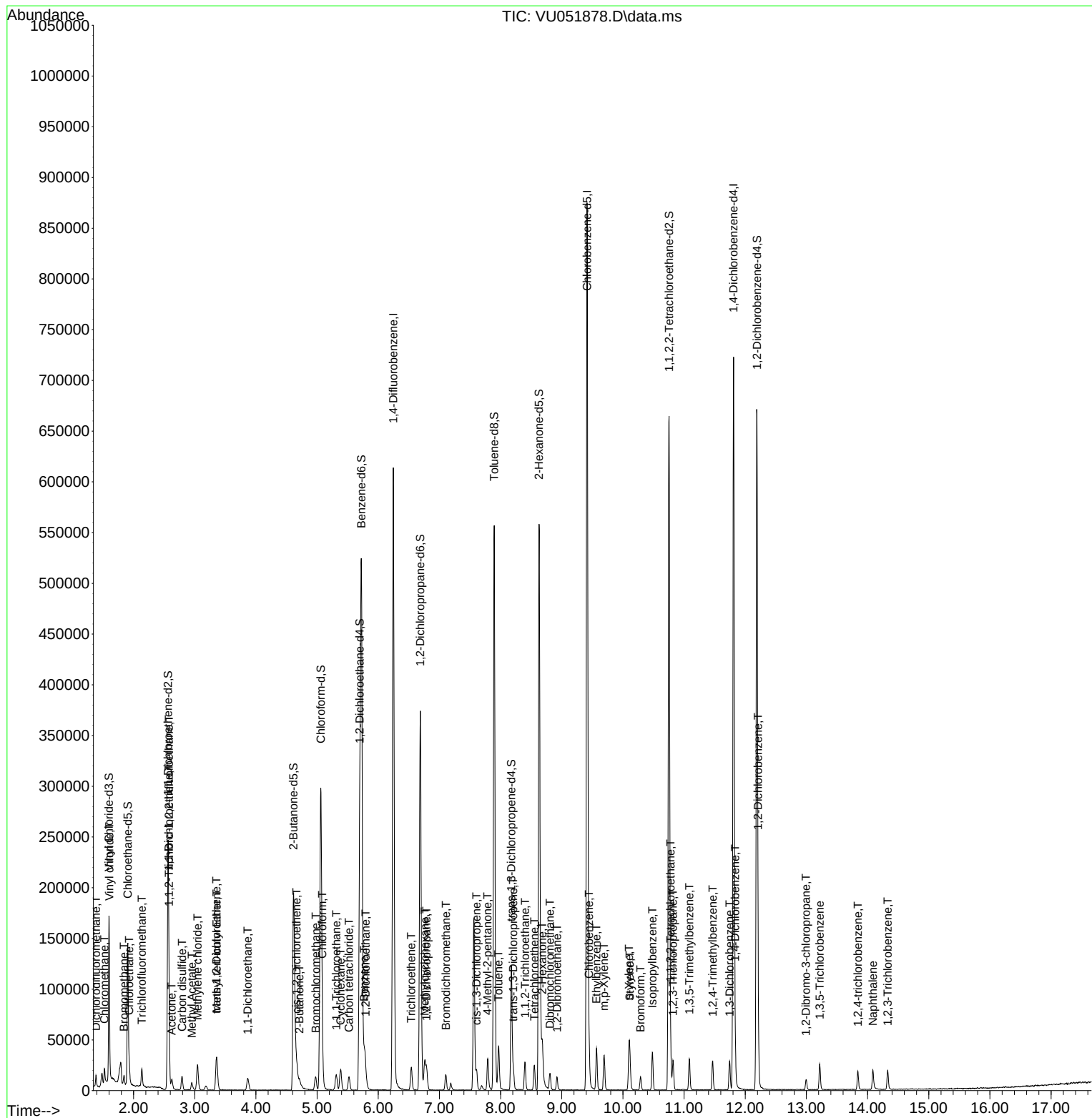
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	12114	2.405	ug/L #	91
29) Cyclohexane	5.385	56	8593	2.036	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	11036	2.206	ug/L	97
31) Carbon tetrachloride	5.520	117	9443	2.258	ug/L	97
33) Benzene	5.771	78	32796	2.304	ug/L	100
34) Trichloroethene	6.539	95	8125	2.410	ug/L	89
35) Methylcyclohexane	6.761	83	10107	2.211	ug/L	97
37) 1,2-Dichloropropane	6.787	63	9082	2.254	ug/L #	95
38) Bromodichloromethane	7.105	83	11042	2.190	ug/L #	88
39) cis-1,3-Dichloropropene	7.607	75	11534	2.188	ug/L	94
40) 4-Methyl-2-pentanone	7.787	43	20905	3.939	ug/L	94
42) Toluene	7.967	91	31086	2.124	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	10001	1.980	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	8862	2.164	ug/L	93
46) Tetrachloroethene	8.552	164	5350	1.987	ug/L	89
48) 2-Hexanone	8.680	43	24219	5.314	ug/L #	89
49) Dibromochloromethane	8.806	129	8727	2.067	ug/L	97
50) 1,2-Dibromoethane	8.922	107	8680	2.105	ug/L	95
51) Chlorobenzene	9.446	112	22430	2.242	ug/L	97
52) Ethylbenzene	9.568	91	28179	1.881	ug/L	95
53) m,p-Xylene	9.693	106	10875	1.875	ug/L	100
54) o-Xylene	10.098	106	9693	1.642	ug/L	97
55) Styrene	10.111	104	15549	1.527	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	17774	2.297	ug/L	95
59) Bromoform	10.288	173	6457	2.381	ug/L #	90
60) 1,2,3-Trichloropropane	10.819	75	12428	2.597	ug/L	99
61) Isopropylbenzene	10.481	105	22980	1.966	ug/L	98
62) 1,3,5-Trimethylbenzene	11.085	105	17431	1.830	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	15552	1.671	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	12699	2.143	ug/L	90
65) 1,4-Dichlorobenzene	11.835	146	13757	2.293	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	15567	2.471	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.992	75	2989	2.440	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	8503	2.163	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	6301	2.022	ug/L	100
71) Naphthalene	14.089	128	18349	1.791	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	6569	1.926	ug/L	94

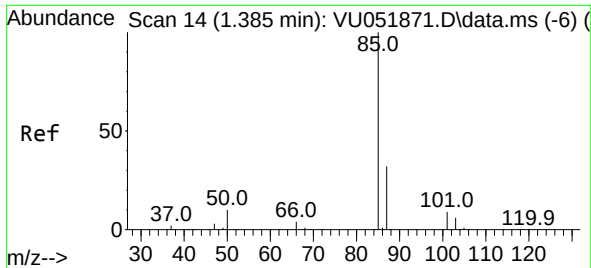
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ClientSampleId :
MDL04

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QLast Update : Thu Nov 17 01:20:24 2022
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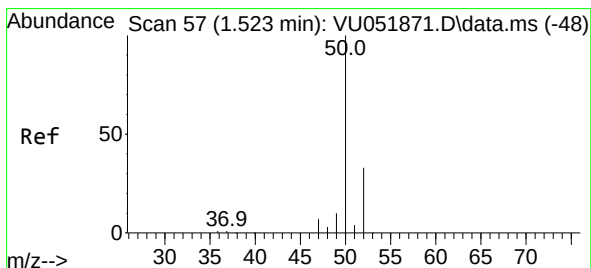
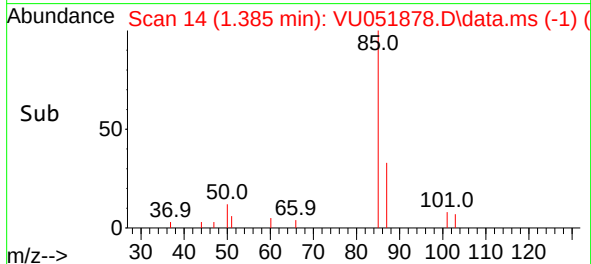
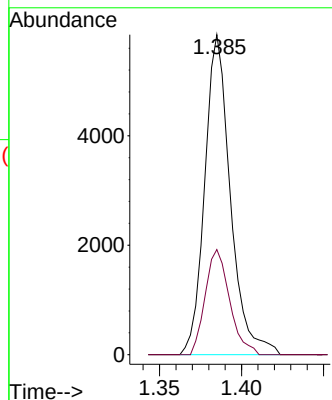
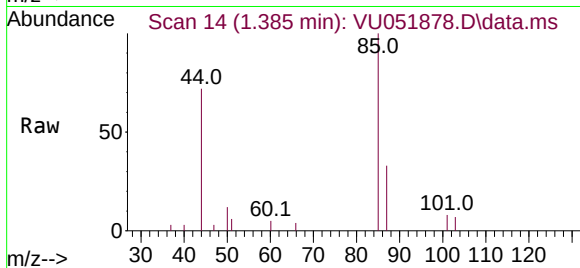




#2
Dichlorodifluoromethane
Concen: 2.070 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

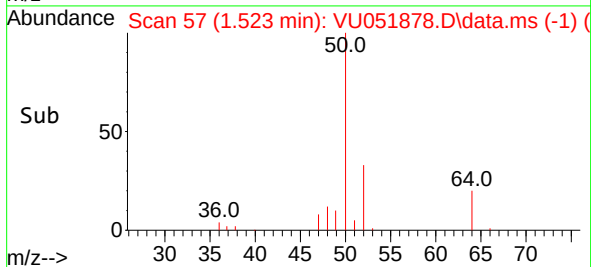
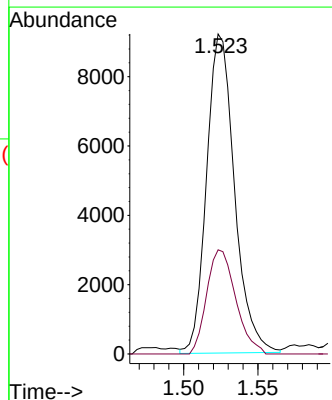
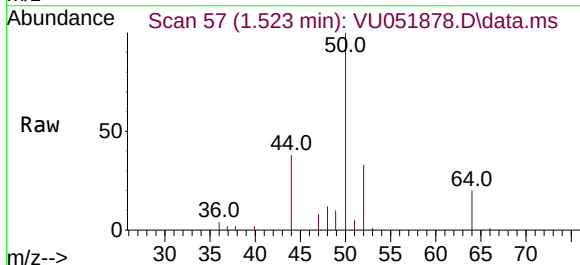
Instrument :
MSVOA_U
ClientSampleId :
MDL04

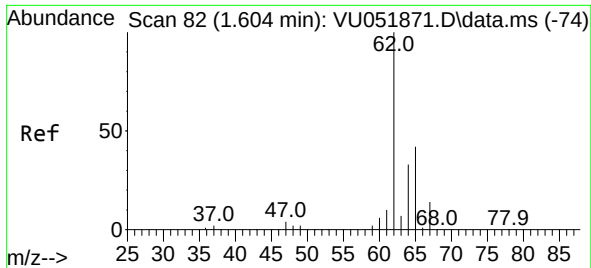
Tgt Ion: 85 Resp: 6352
Ion Ratio Lower Upper
85 100
87 31.2 26.0 39.0



#3
Chloromethane
Concen: 2.958 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion: 50 Resp: 12050
Ion Ratio Lower Upper
50 100
52 32.5 23.4 43.6

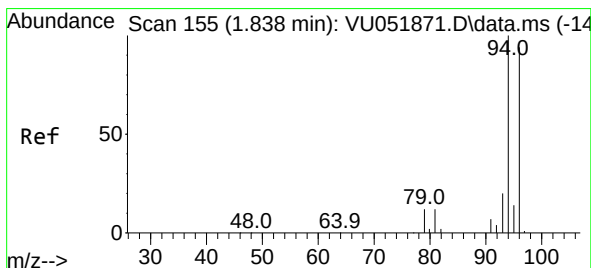
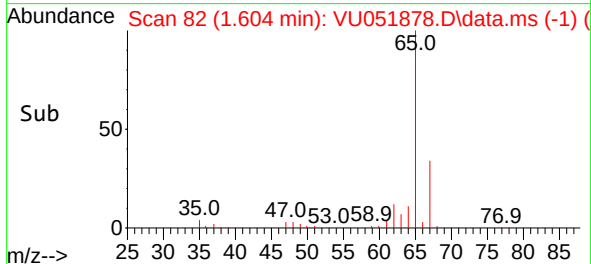
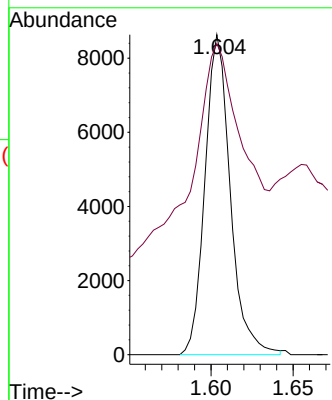
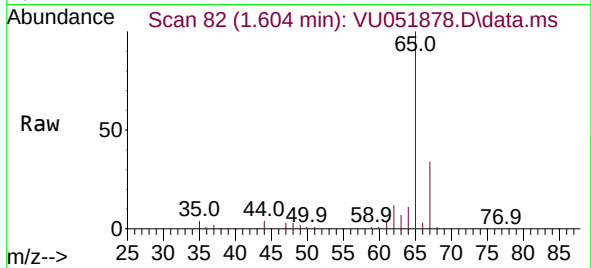




#5
 Vinyl chloride
 Concen: 2.193 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051878.D
 Acq: 16 Nov 2022 12:41

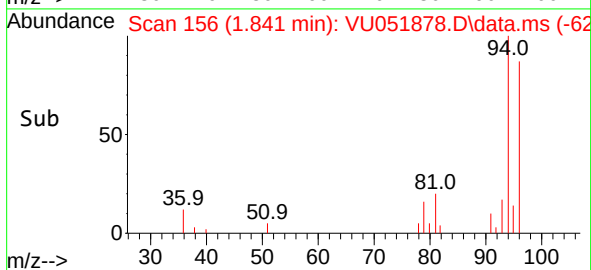
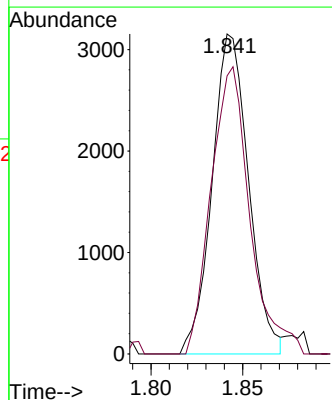
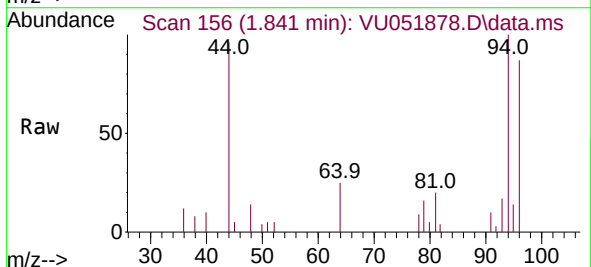
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

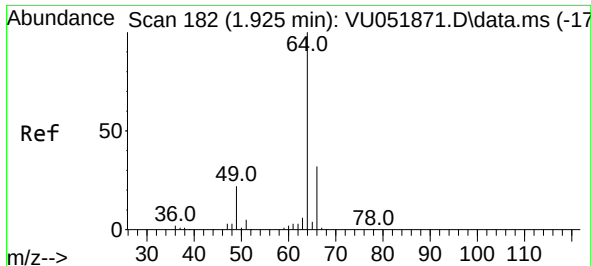
Tgt Ion: 62 Resp: 9269
 Ion Ratio Lower Upper
 62 100
 64 97.2 24.3 45.1#



#6
 Bromomethane
 Concen: 2.384 ug/L
 RT: 1.841 min Scan# 156
 Delta R.T. 0.003 min
 Lab File: VU051878.D
 Acq: 16 Nov 2022 12:41

Tgt Ion: 94 Resp: 4365
 Ion Ratio Lower Upper
 94 100
 96 86.9 66.1 122.7

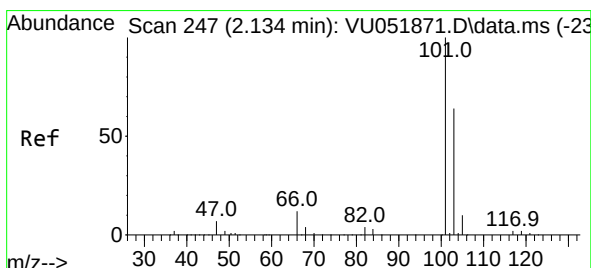
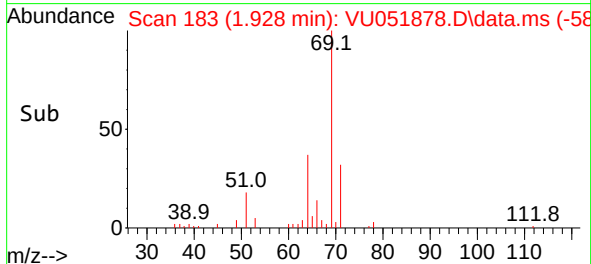
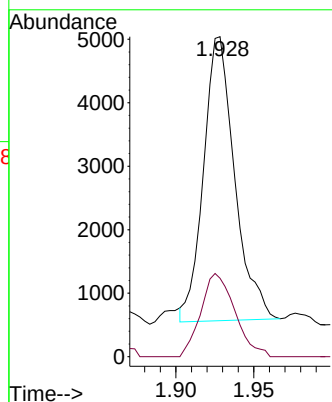
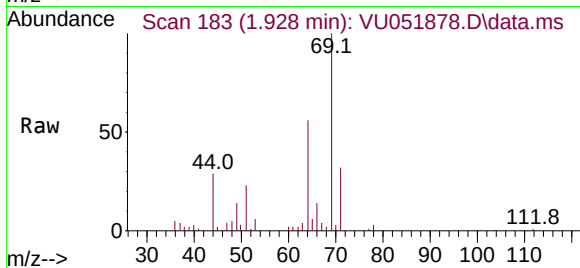




#8
Chloroethane
Concen: 2.263 ug/L
RT: 1.928 min Scan# 183
Delta R.T. 0.003 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

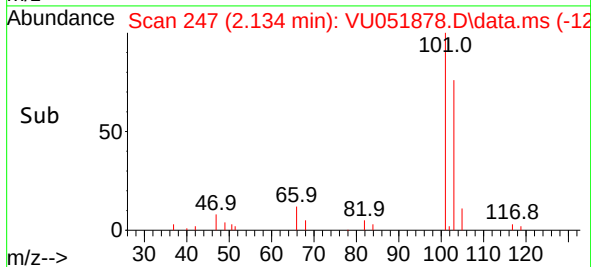
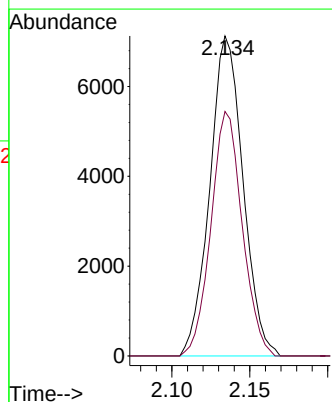
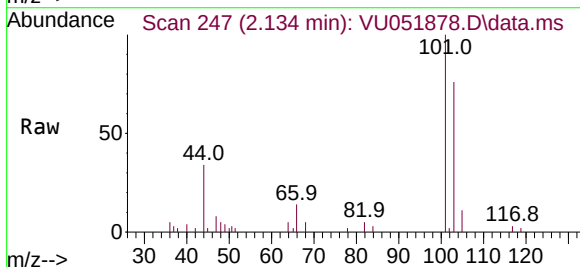
Instrument :
MSVOA_U
ClientSampleId :
MDL04

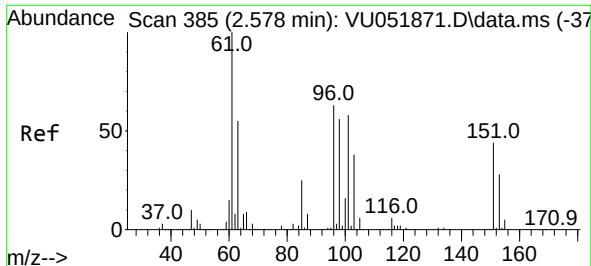
Tgt Ion: 64 Resp: 6218
Ion Ratio Lower Upper
64 100
66 24.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.089 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion: 101 Resp: 10568
Ion Ratio Lower Upper
101 100
103 71.8 51.4 77.2





#10

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

Concen: 2.809 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL04

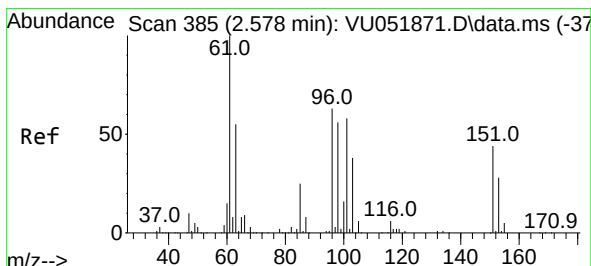
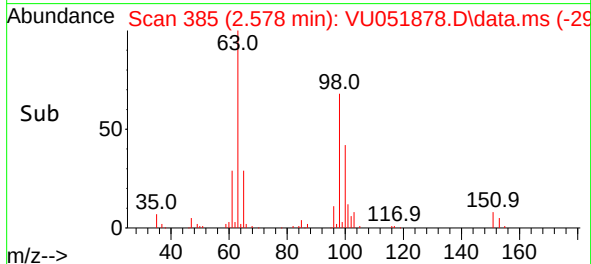
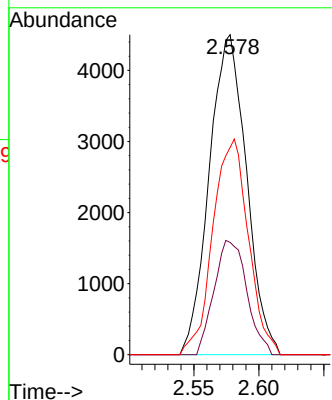
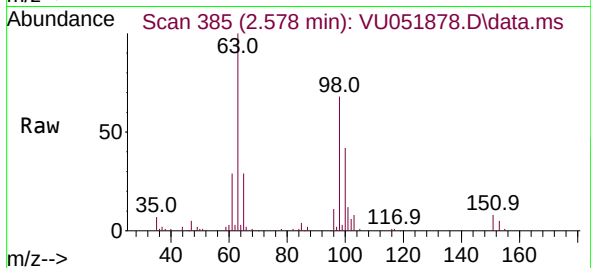
Tgt Ion:101 Resp: 8956

Ion Ratio Lower Upper

101 100

85 31.4 34.2 51.2#

151 64.4 58.3 87.5



#12

1,1-Dichloroethene

Concen: 2.565 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

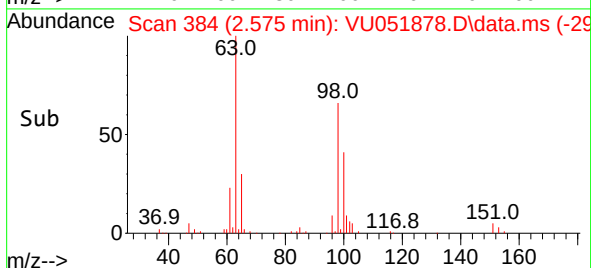
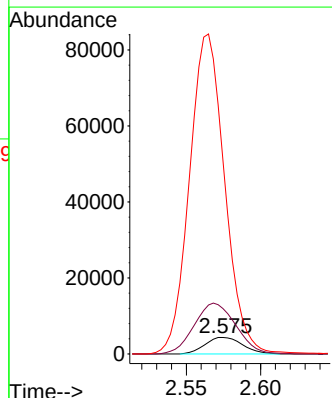
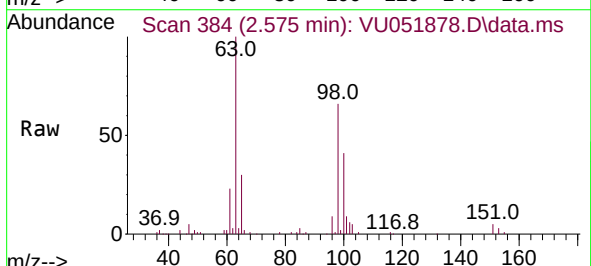
Tgt Ion: 96 Resp: 7638

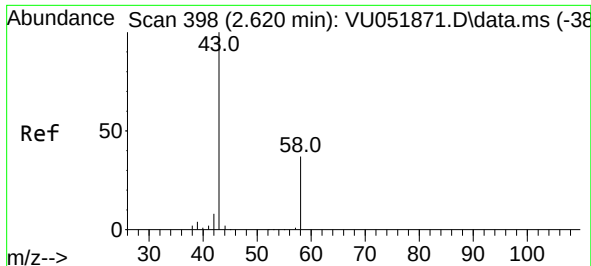
Ion Ratio Lower Upper

96 100

61 275.7 110.7 205.5#

63 1175.3 68.6 127.4#





#13

Acetone

Concen: 3.891 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051878.D

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Instrument :

MSVOA_U

ClientSampleId :

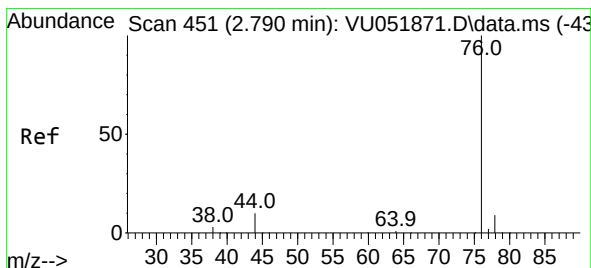
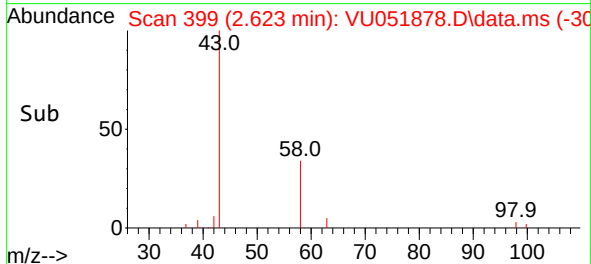
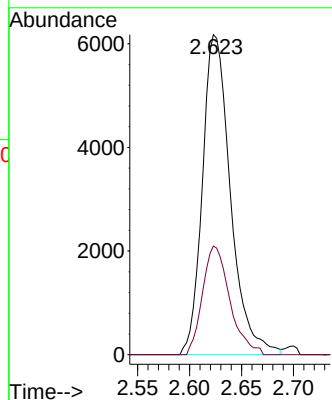
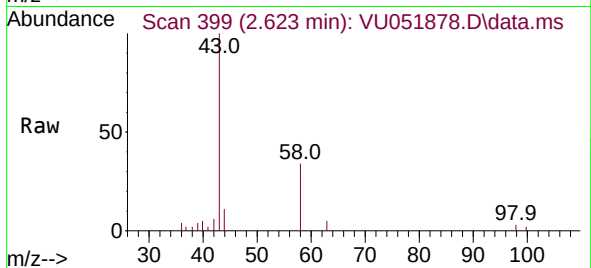
MDL04

Tgt Ion: 43 Resp: 11612

Ion Ratio Lower Upper

43 100

58 32.5 0.0 75.4



#14

Carbon disulfide

Concen: 2.146 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051878.D

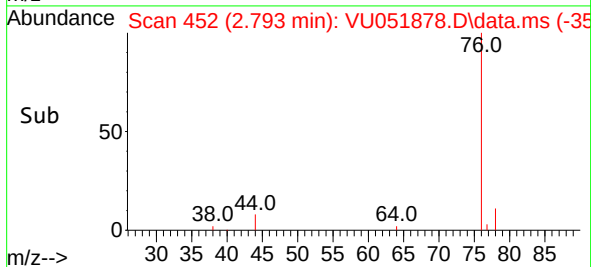
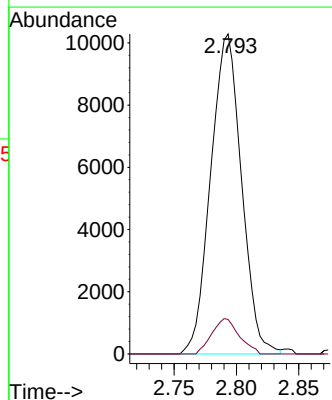
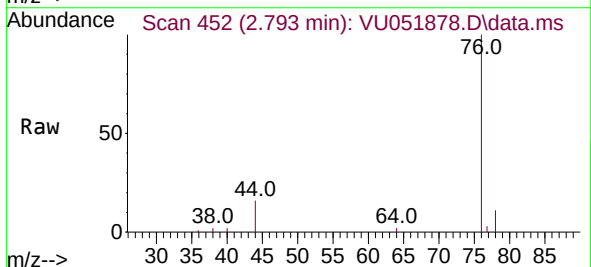
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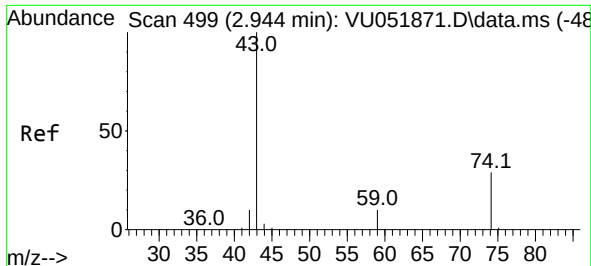
Tgt Ion: 76 Resp: 17702

Ion Ratio Lower Upper

76 100

78 10.8 7.4 11.0

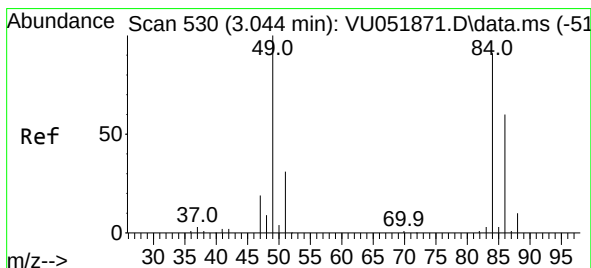
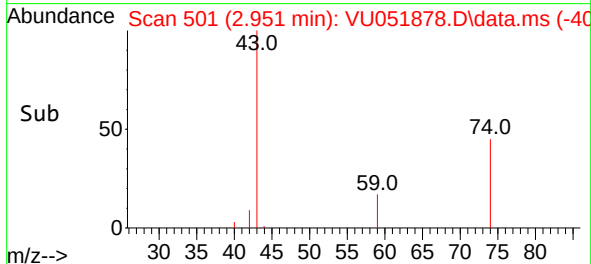
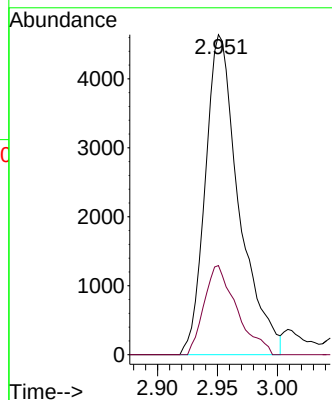
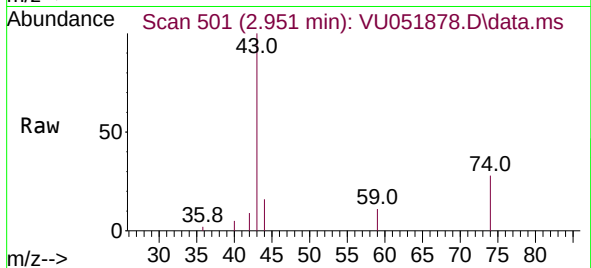




#15
Methyl Acetate
Concen: 2.232 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

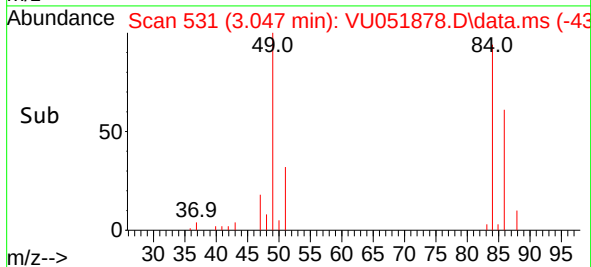
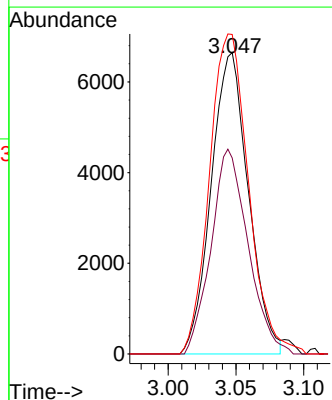
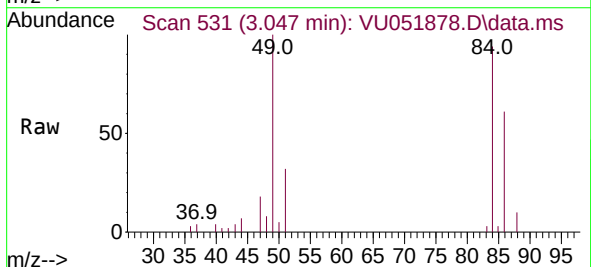
Instrument :
MSVOA_U
ClientSampleId :
MDL04

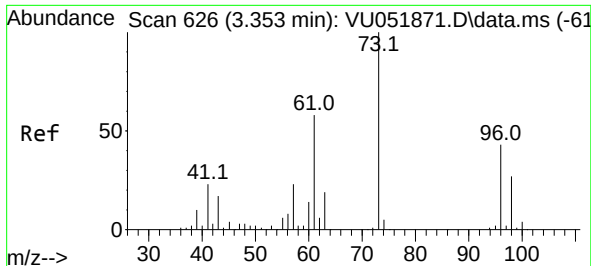
Tgt Ion: 43 Resp: 9083
Ion Ratio Lower Upper
43 100
74 27.0 21.8 32.8



#16
Methylene chloride
Concen: 2.666 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion: 84 Resp: 12673
Ion Ratio Lower Upper
84 100
86 65.0 44.7 82.9
49 106.0 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 2.068 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL04

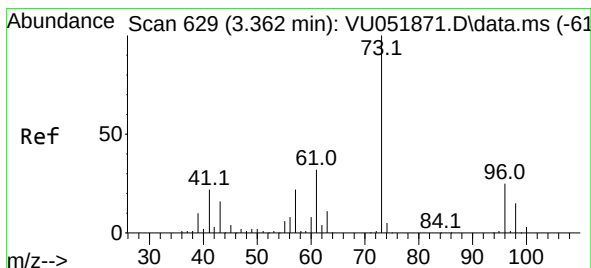
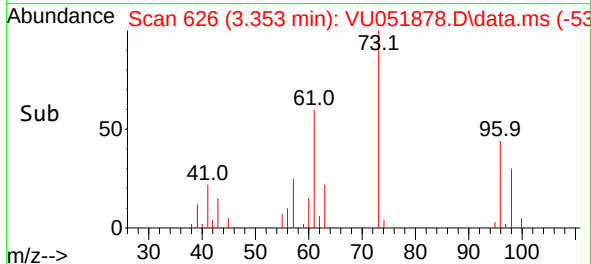
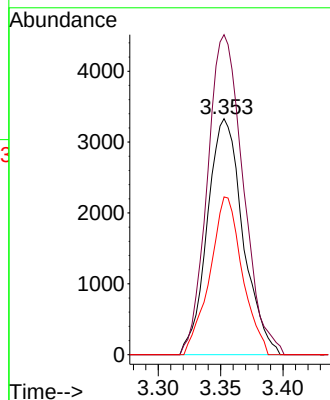
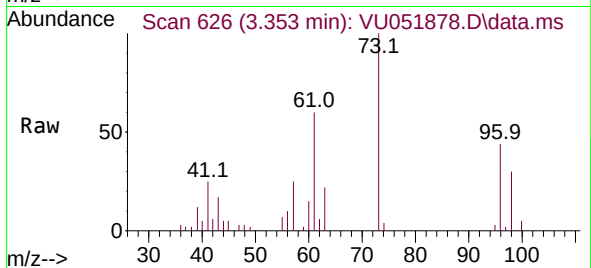
Tgt Ion: 96 Resp: 6636

Ion Ratio Lower Upper

96 100

61 135.6 98.3 182.7

98 66.8 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 2.087 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

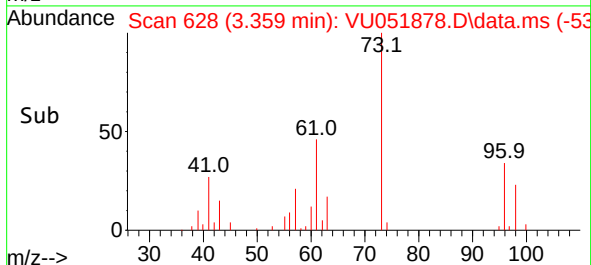
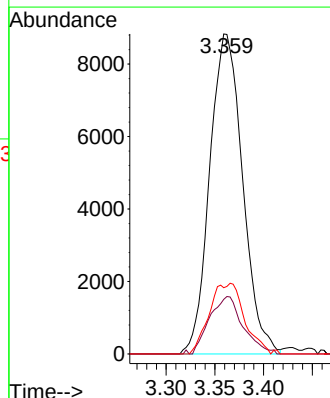
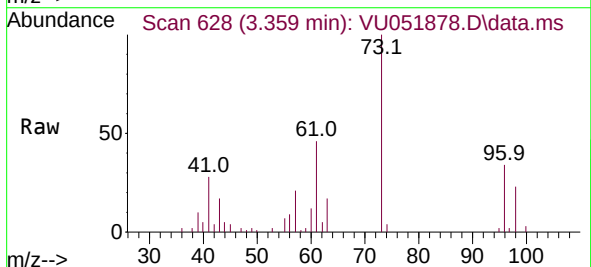
Tgt Ion: 73 Resp: 20734

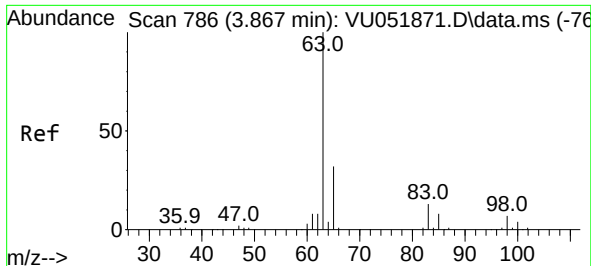
Ion Ratio Lower Upper

73 100

43 18.1 13.4 20.0

57 10.8 17.7 26.5#

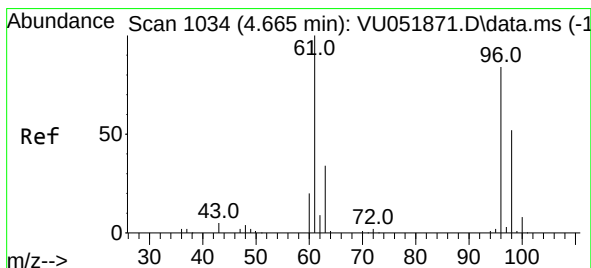
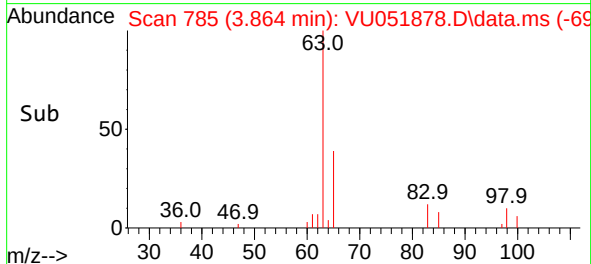
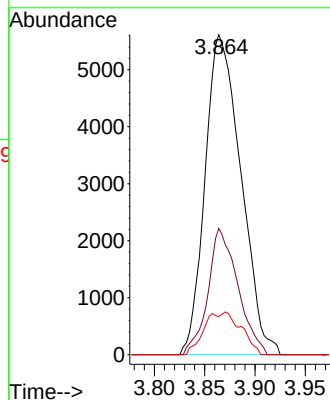
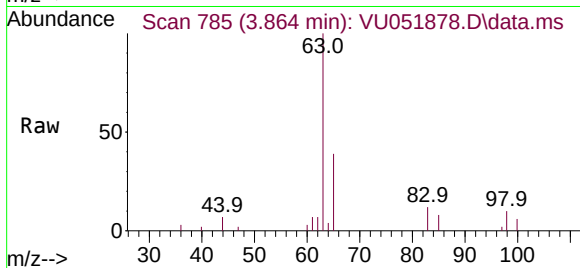




#19
1,1-Dichloroethane
Concen: 2.129 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

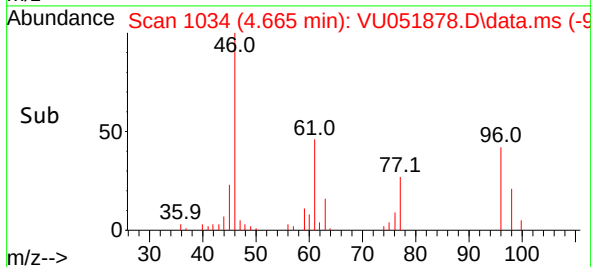
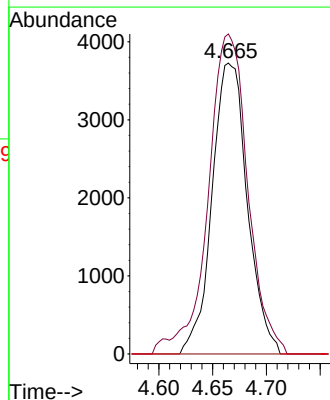
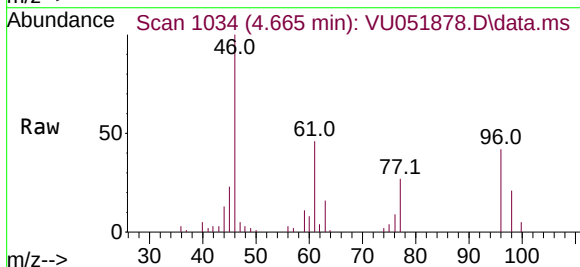
Instrument :
MSVOA_U
ClientSampleId :
MDL04

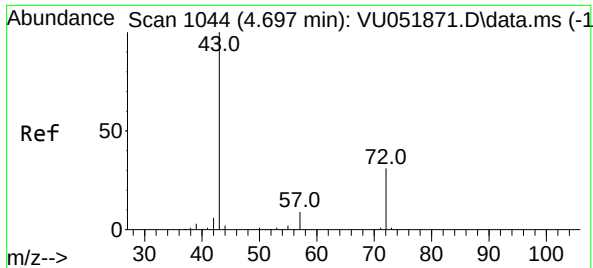
Tgt Ion: 63 Resp: 13903
Ion Ratio Lower Upper
63 100
65 39.4 22.2 41.2
83 11.9 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 2.272 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion: 96 Resp: 8508
Ion Ratio Lower Upper
96 100
61 110.0 86.0 159.8
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.480 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.013 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

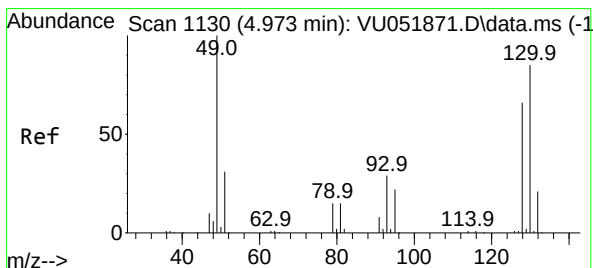
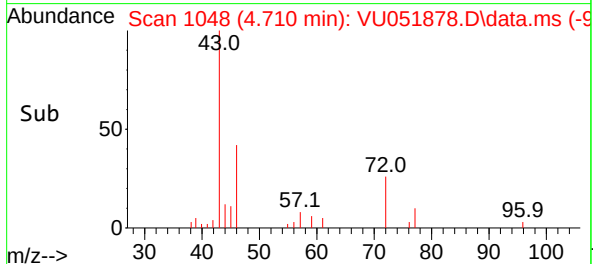
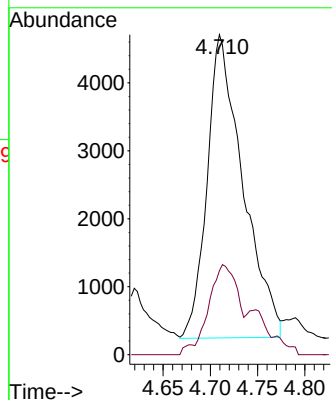
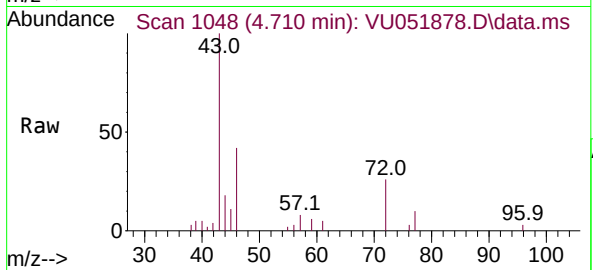
MDL04

Tgt Ion: 43 Resp: 11731

Ion Ratio Lower Upper

43 100

72 21.0 15.7 47.1



#23

Bromochloromethane

Concen: 2.009 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Tgt Ion:128 Resp: 4153

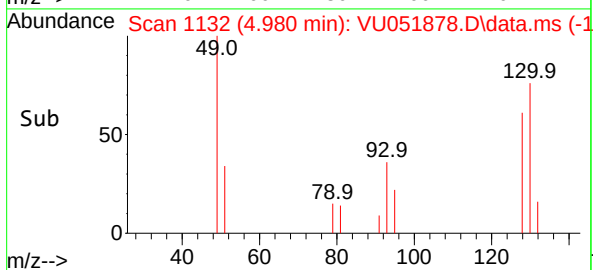
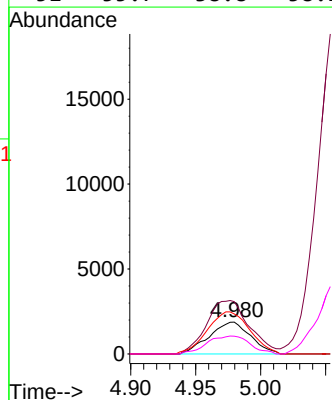
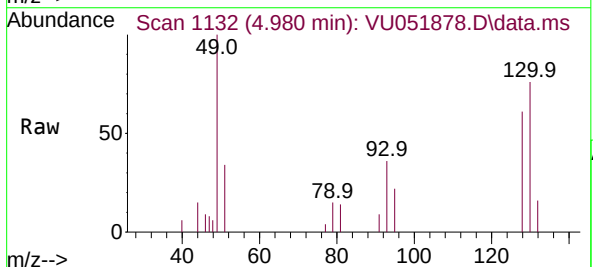
Ion Ratio Lower Upper

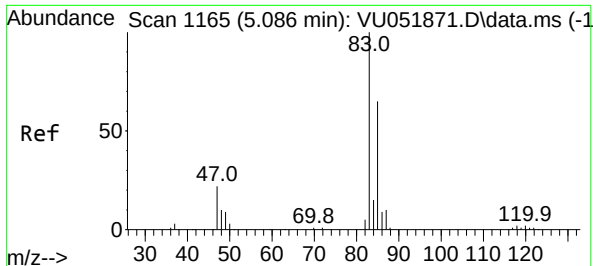
128 100

49 164.3 107.2 199.0

130 125.6 92.5 171.7

51 55.7 38.8 58.2





#25

Chloroform

Concen: 2.433 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

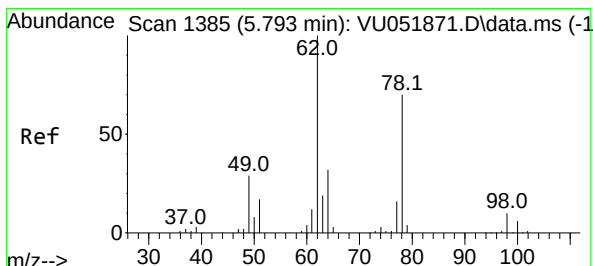
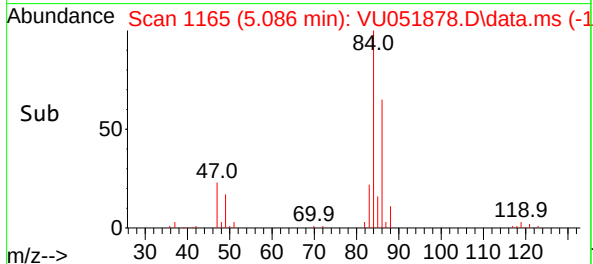
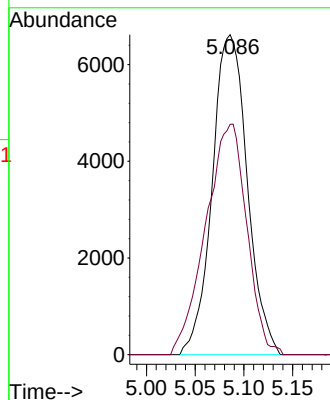
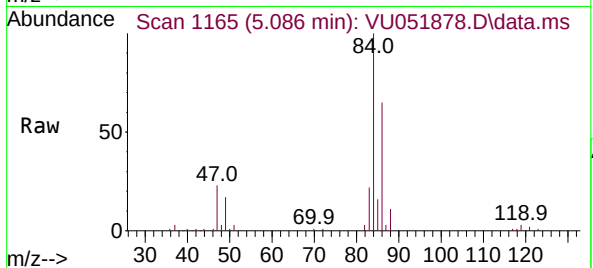
MDL04

Tgt Ion: 83 Resp: 16581

Ion Ratio Lower Upper

83 100

85 72.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 2.405 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU051878.D

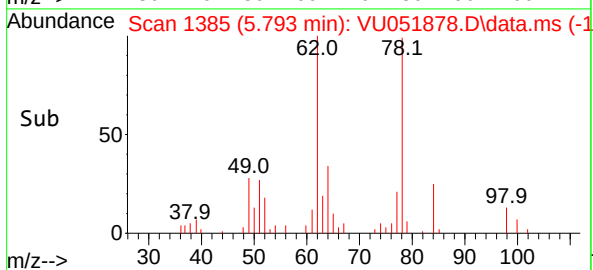
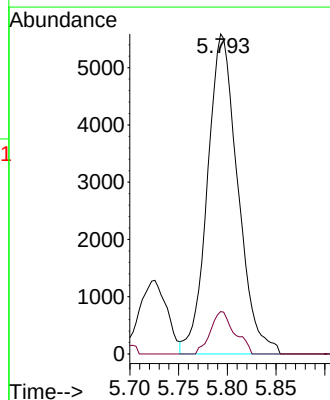
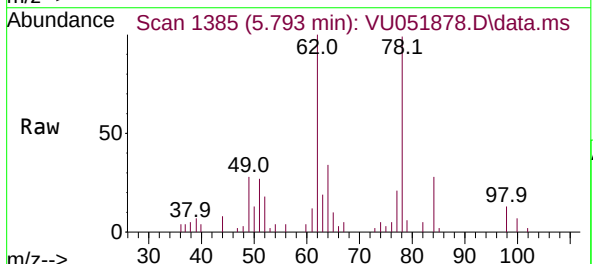
Acq: 16 Nov 2022 12:41

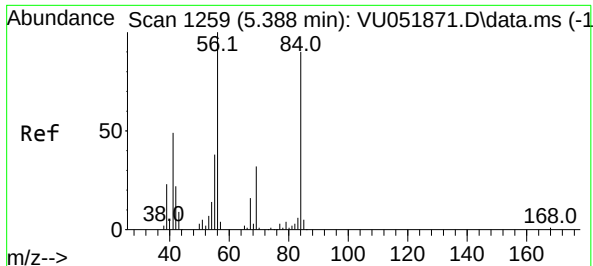
Tgt Ion: 62 Resp: 12114

Ion Ratio Lower Upper

62 100

98 13.3 8.1 12.1#





#29

Cyclohexane

Concen: 2.036 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL04

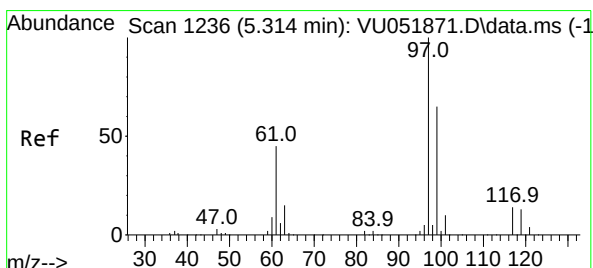
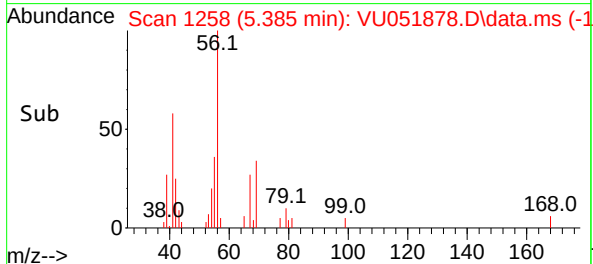
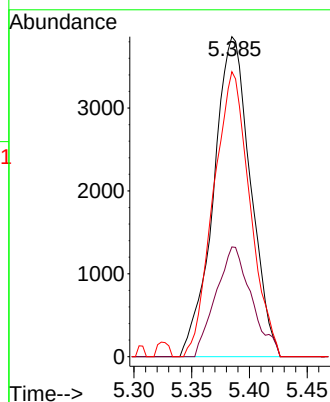
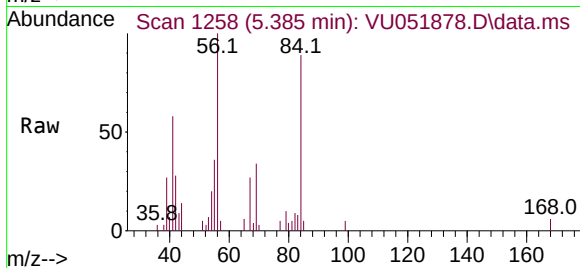
Tgt Ion: 56 Resp: 8593

Ion Ratio Lower Upper

56 100

69 31.6 25.4 38.2

84 87.6 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 2.206 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

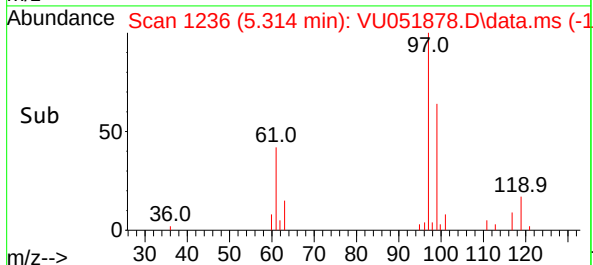
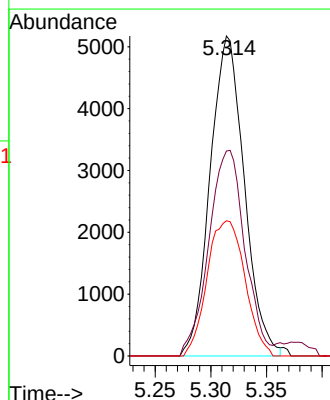
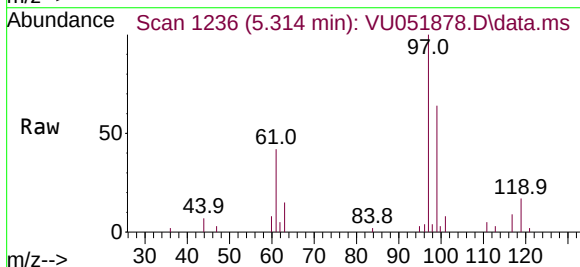
Tgt Ion: 97 Resp: 11036

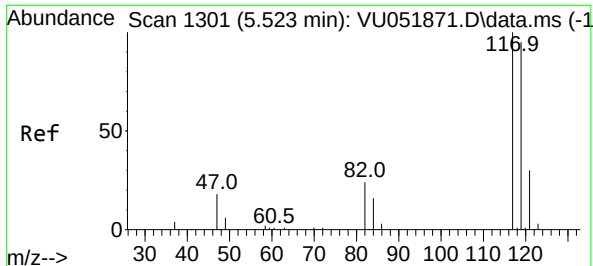
Ion Ratio Lower Upper

97 100

99 68.1 51.2 76.8

61 46.8 37.4 56.2

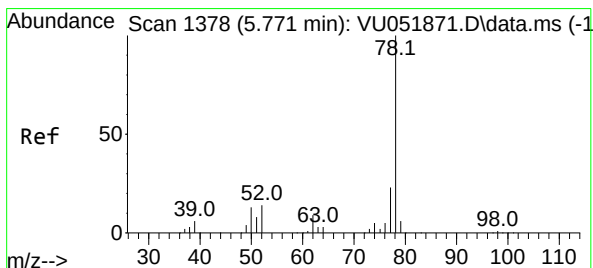
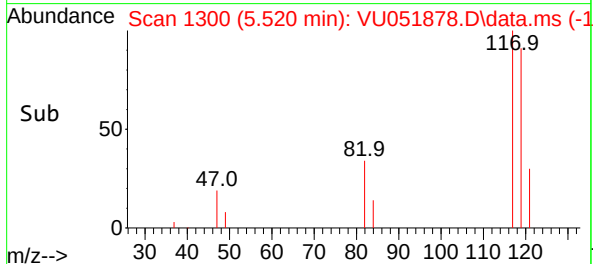
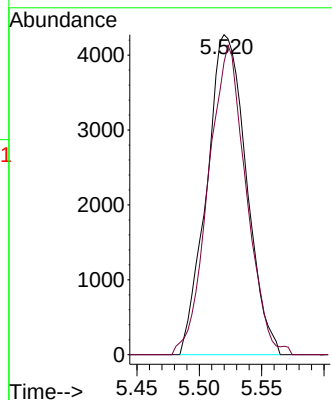
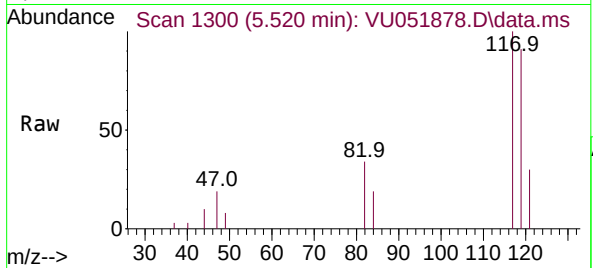




#31
Carbon tetrachloride
Concen: 2.258 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

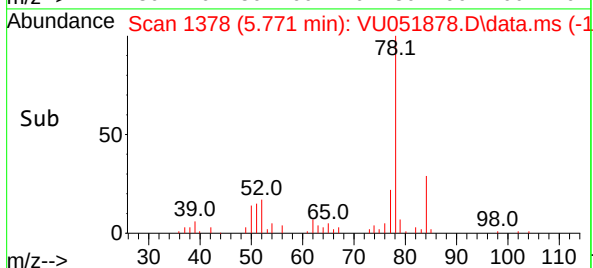
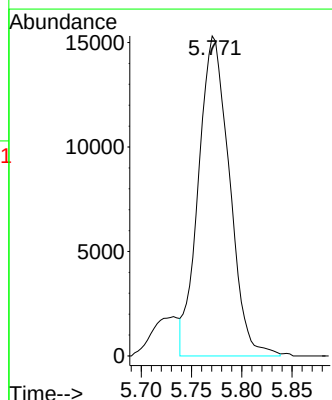
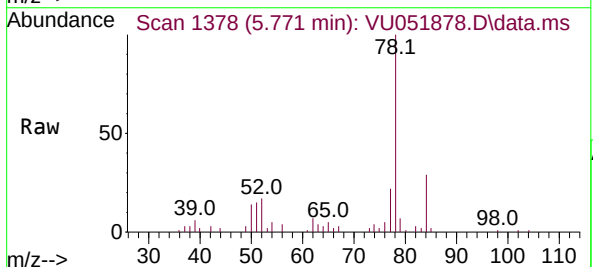
Instrument :
MSVOA_U
ClientSampleId :
MDL04

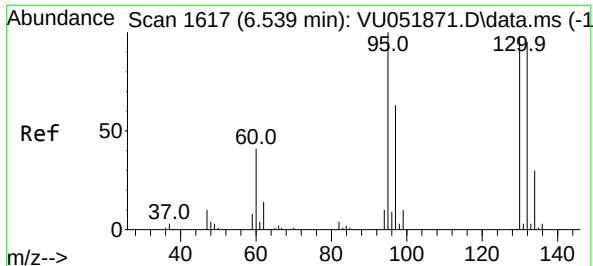
Tgt Ion:117 Resp: 9443
Ion Ratio Lower Upper
117 100
119 91.8 75.6 113.4



#33
Benzene
Concen: 2.304 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion: 78 Resp: 32796





#34

Trichloroethene

Concen: 2.410 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 95 Resp: 8125

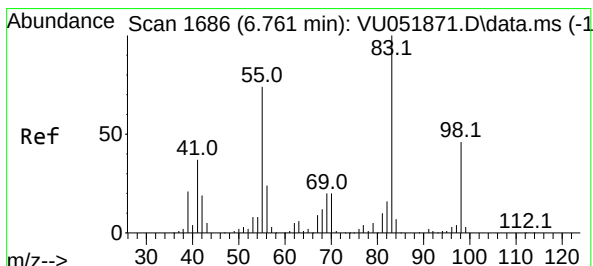
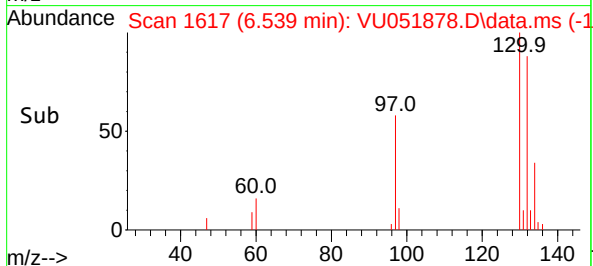
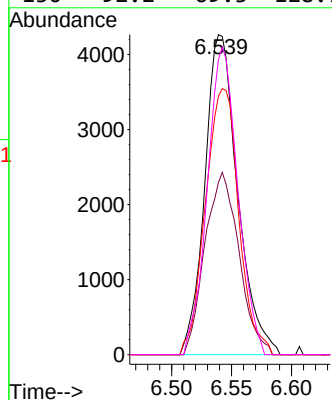
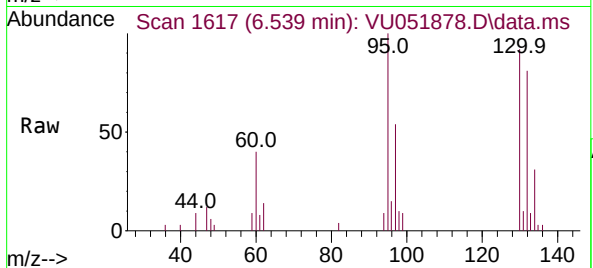
Ion Ratio Lower Upper

95 100

97 53.8 45.8 85.0

132 80.8 65.3 121.3

130 92.2 69.3 128.7



#35

Methylcyclohexane

Concen: 2.211 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

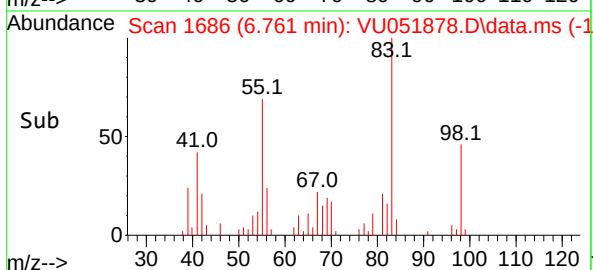
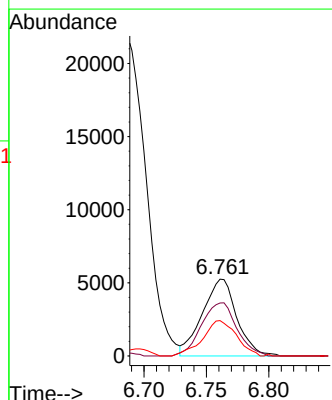
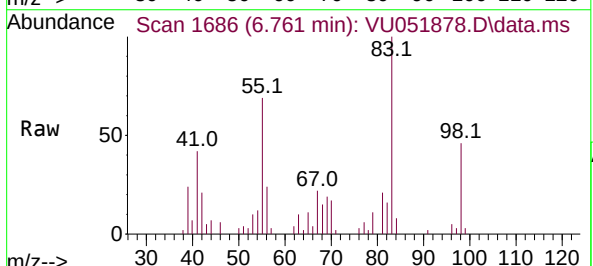
Tgt Ion: 83 Resp: 10107

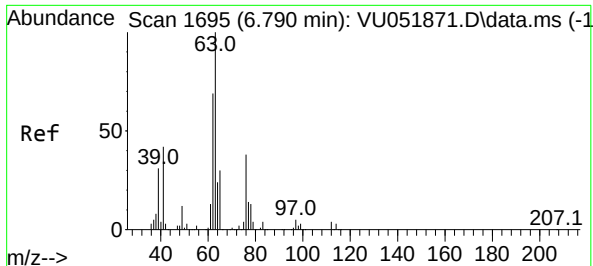
Ion Ratio Lower Upper

83 100

55 71.1 60.0 90.0

98 45.0 35.8 53.8





#37

1,2-Dichloropropane

Concen: 2.254 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

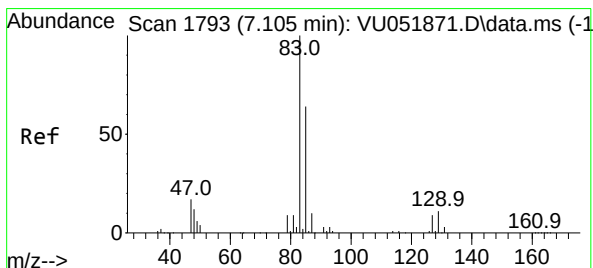
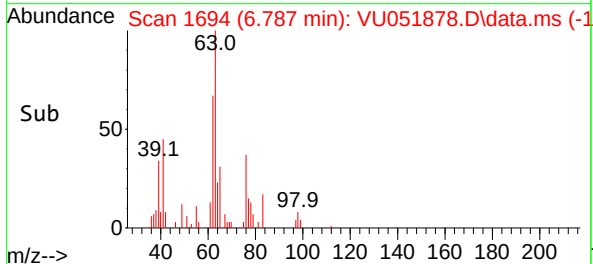
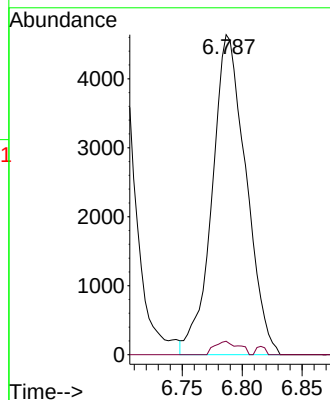
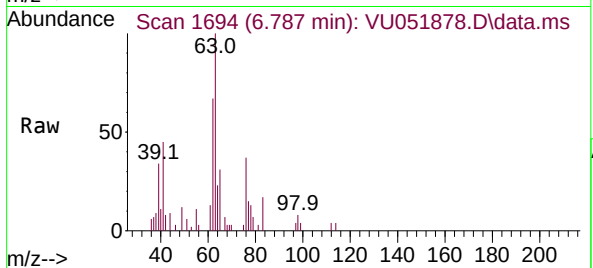
MDL04

Tgt Ion: 63 Resp: 9082

Ion Ratio Lower Upper

63 100

112 2.2 3.0 4.6#



#38

Bromodichloromethane

Concen: 2.190 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

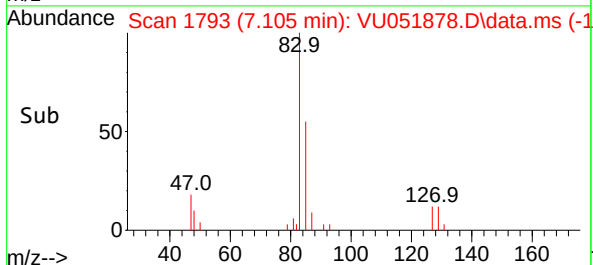
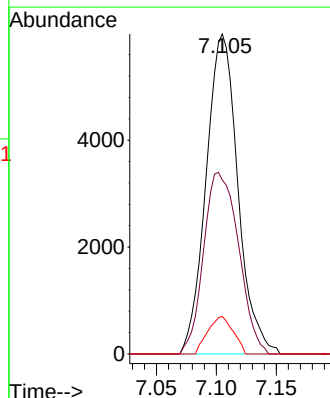
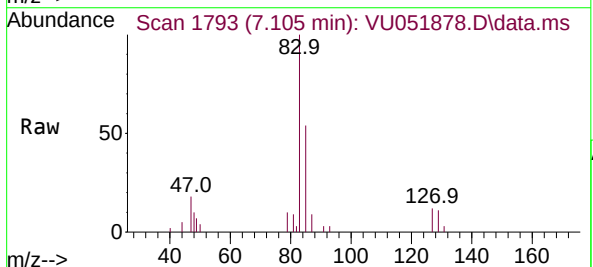
Tgt Ion: 83 Resp: 11042

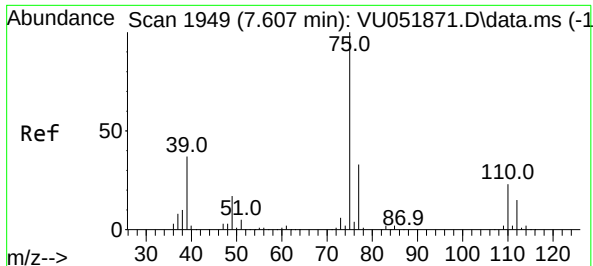
Ion Ratio Lower Upper

83 100

85 54.4 44.6 82.8

127 11.7 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 2.188 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

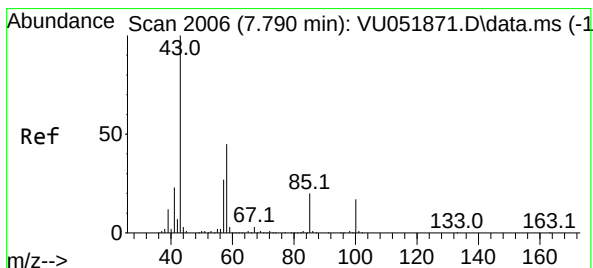
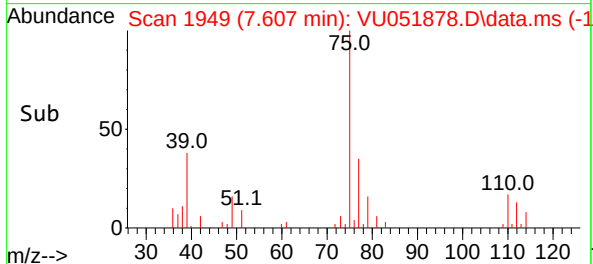
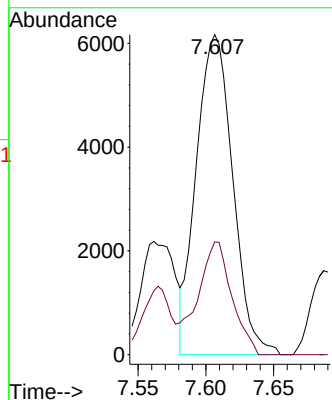
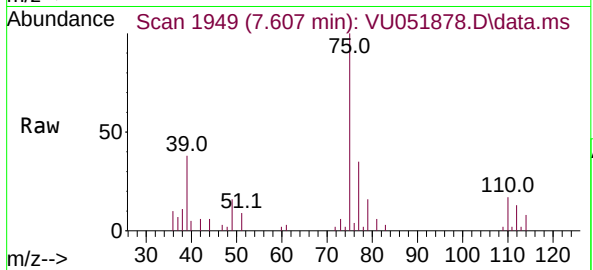
MDL04

Tgt Ion: 75 Resp: 11534

Ion Ratio Lower Upper

75 100

77 35.3 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 3.939 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

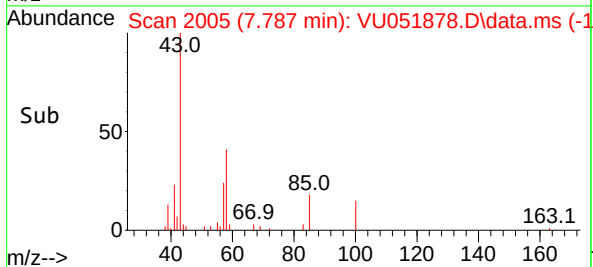
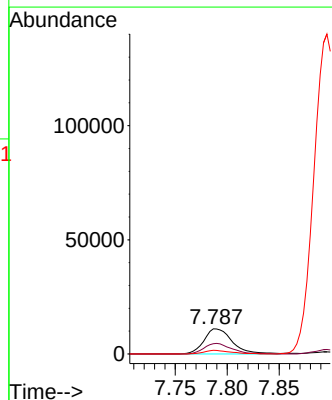
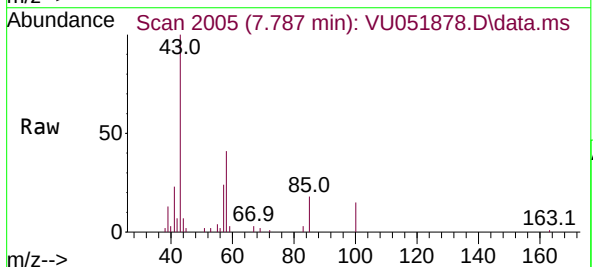
Tgt Ion: 43 Resp: 20905

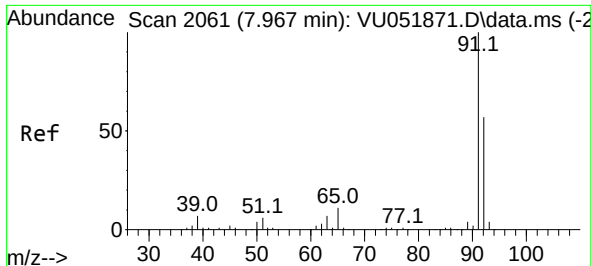
Ion Ratio Lower Upper

43 100

58 40.7 35.4 53.2

100 13.5 13.4 20.0





#42

Toluene

Concen: 2.124 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

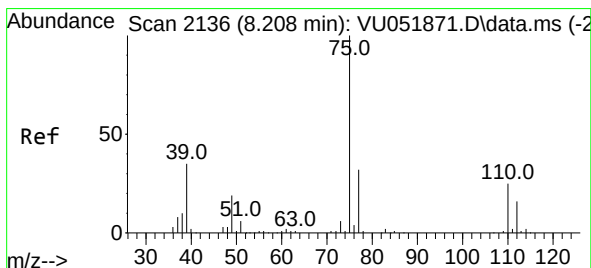
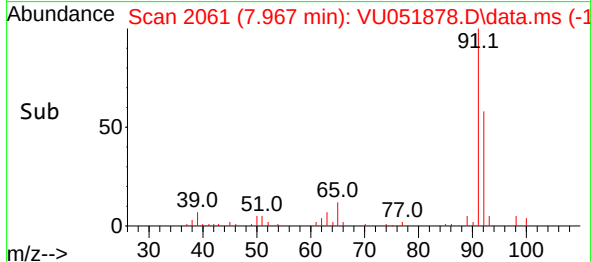
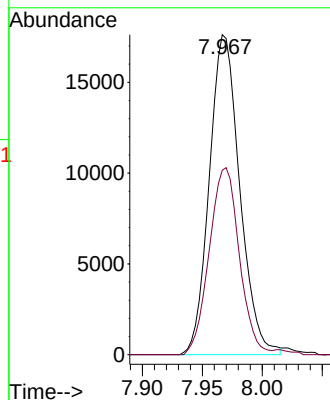
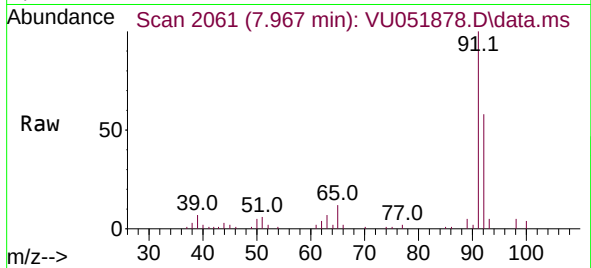
MDL04

Tgt Ion: 91 Resp: 31086

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 1.980 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051878.D

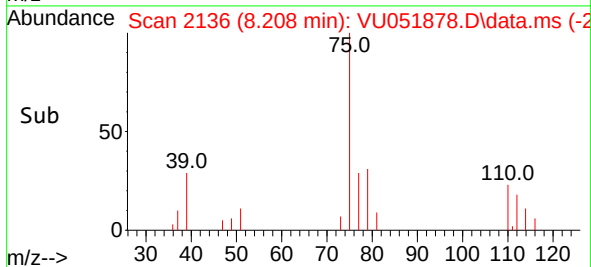
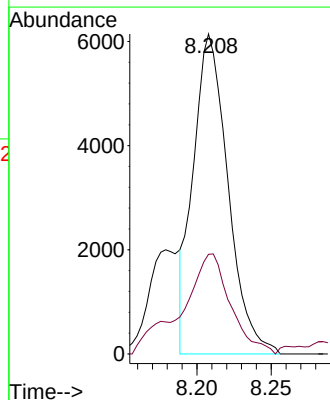
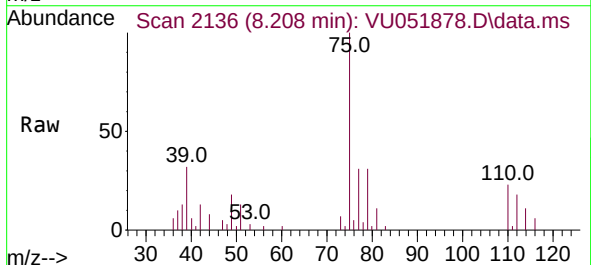
Acq: 16 Nov 2022 12:41

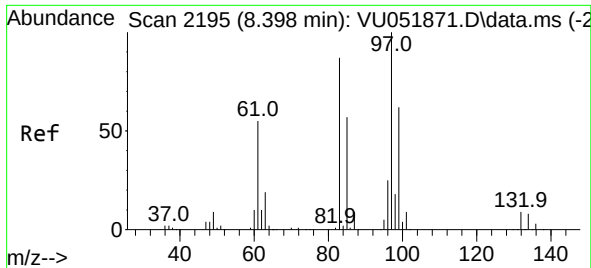
Tgt Ion: 75 Resp: 10001

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6

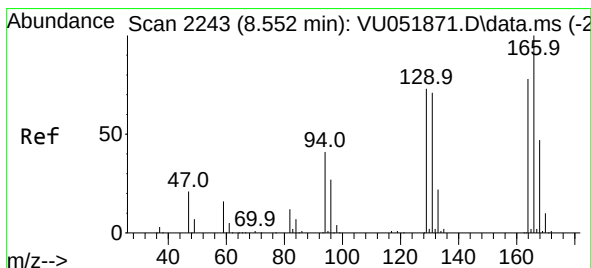
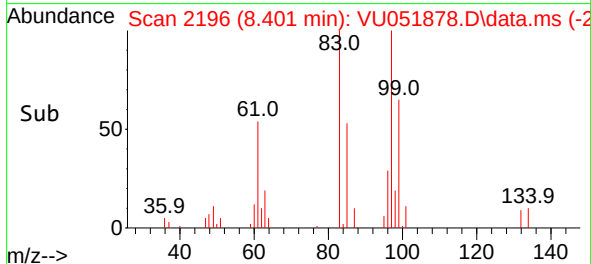
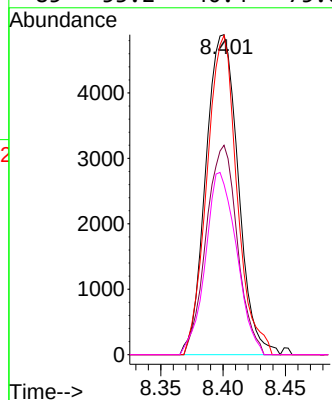
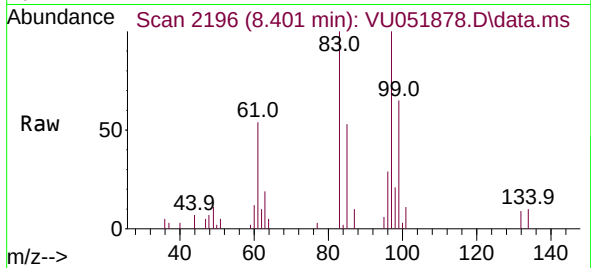




#45
1,1,2-Trichloroethane
Concen: 2.164 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

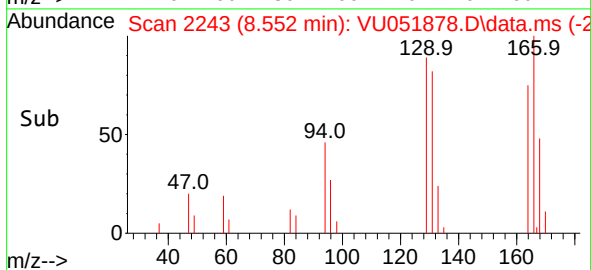
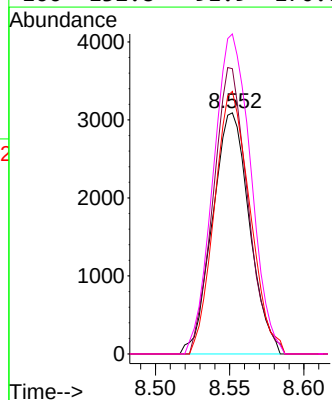
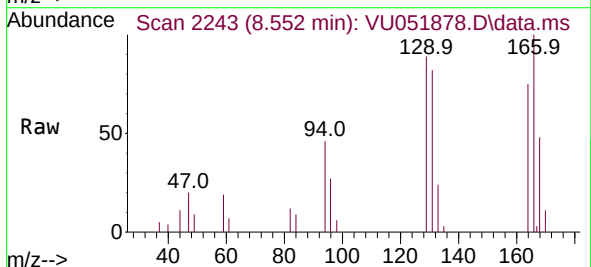
Instrument :
MSVOA_U
ClientSampleId :
MDL04

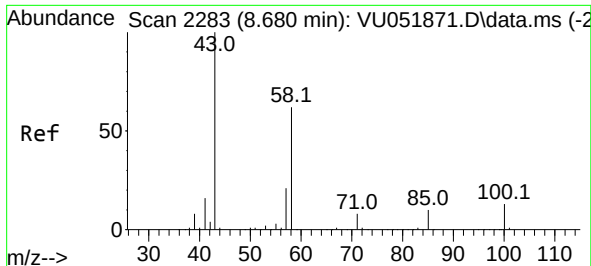
Tgt Ion:	97	Resp:	8862
Ion	Ratio	Lower	Upper
97	100		
99	65.4	44.3	82.3
83	99.7	62.3	115.7
85	53.2	40.4	75.0



#46
Tetrachloroethene
Concen: 1.987 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion:	164	Resp:	5350
Ion	Ratio	Lower	Upper
164	100		
129	118.3	68.5	127.1
131	108.9	66.6	123.8
166	132.8	91.9	170.7

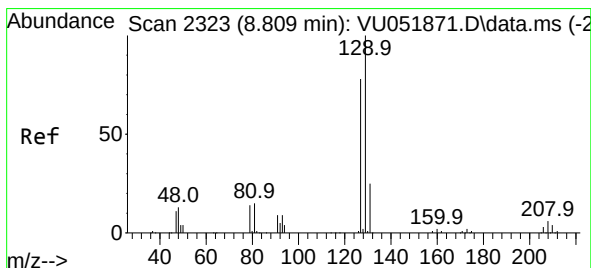
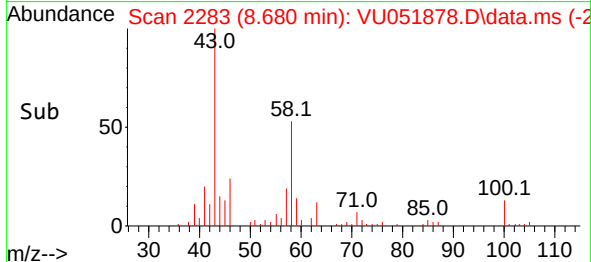
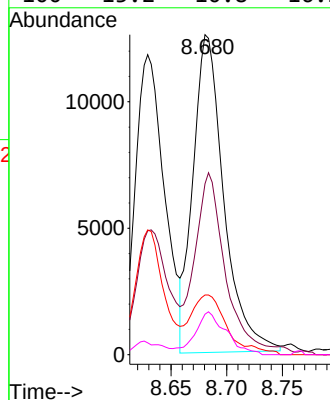
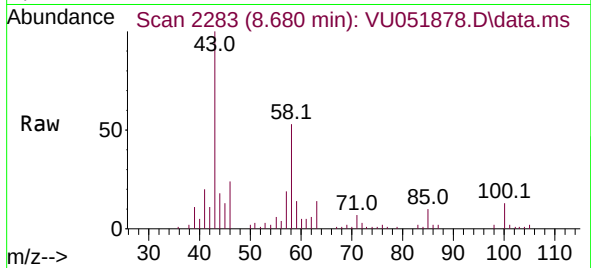




#48
2-Hexanone
Concen: 5.314 ug/L
RT: 8.680 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

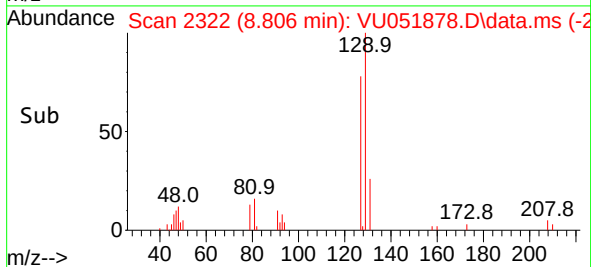
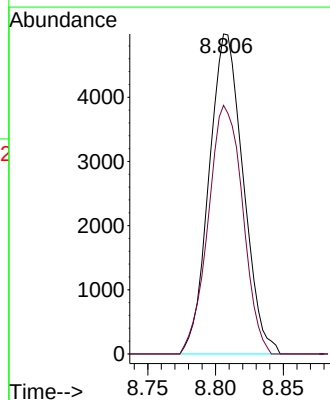
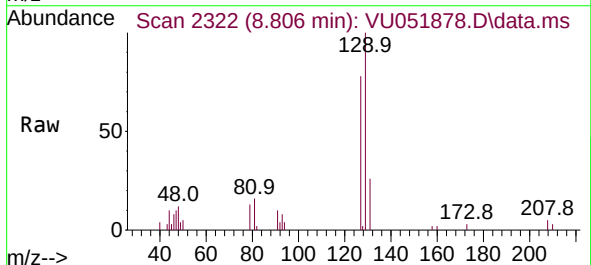
Instrument :
MSVOA_U
ClientSampleId :
MDL04

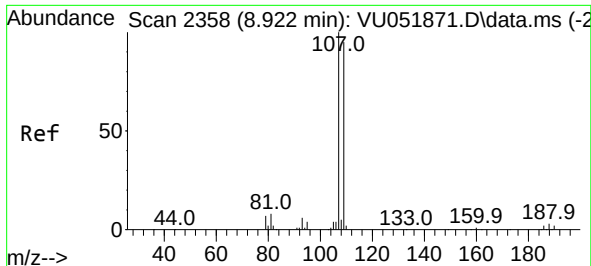
Tgt Ion:	43	Resp:	24219
Ion	Ratio	Lower	Upper
43	100		
58	52.5	50.6	76.0
57	16.6	16.8	25.2#
100	13.2	10.8	16.2



#49
Dibromochloromethane
Concen: 2.067 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion:	129	Resp:	8727
Ion	Ratio	Lower	Upper
129	100		
127	80.0	54.4	101.0





#50

1,2-Dibromoethane

Concen: 2.105 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL04

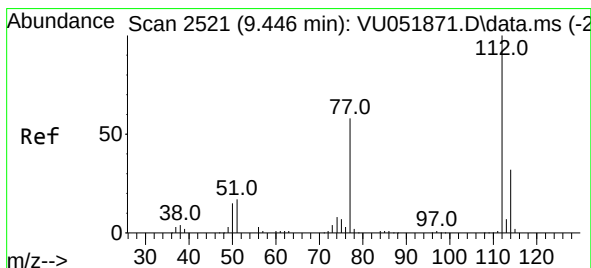
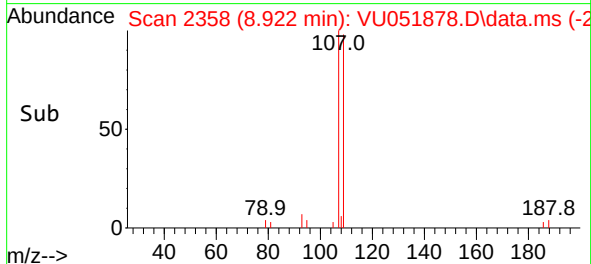
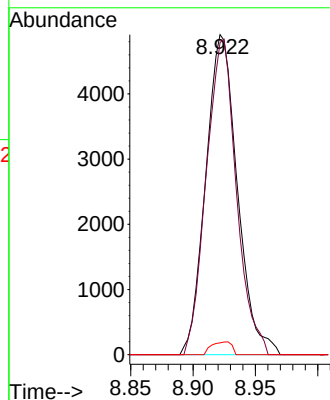
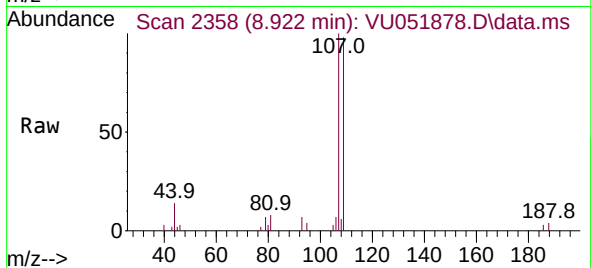
Tgt Ion:107 Resp: 8680

Ion Ratio Lower Upper

107 100

109 97.5 65.0 120.6

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 2.242 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

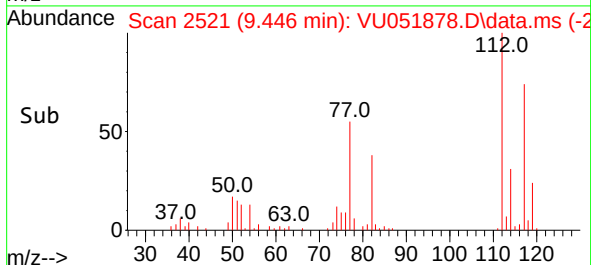
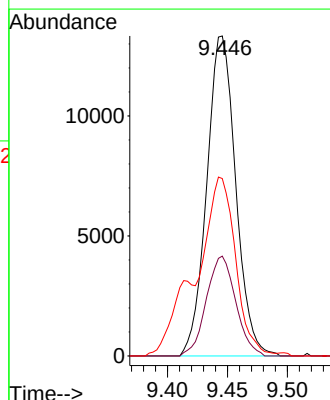
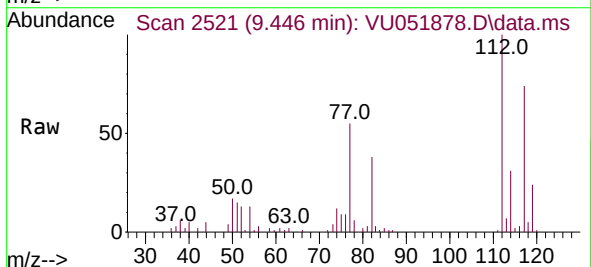
Tgt Ion:112 Resp: 22430

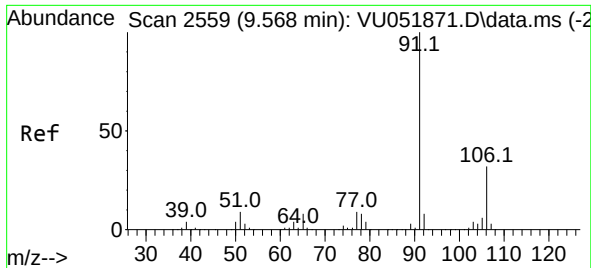
Ion Ratio Lower Upper

112 100

114 31.2 22.2 41.2

77 55.5 46.7 70.1

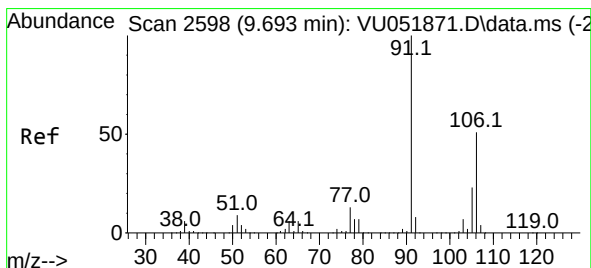
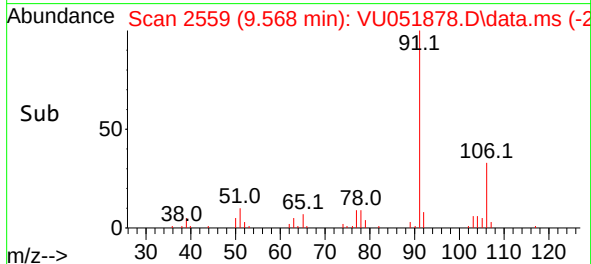
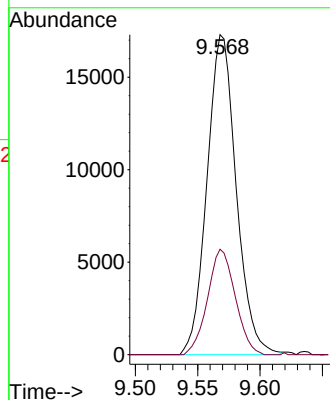
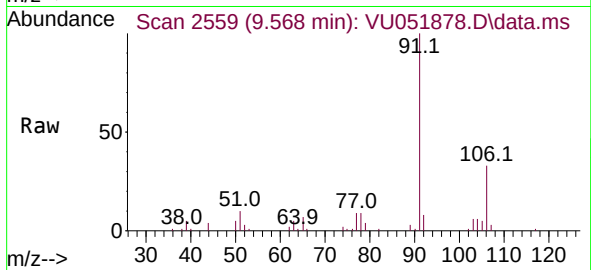




#52
Ethylbenzene
Concen: 1.881 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

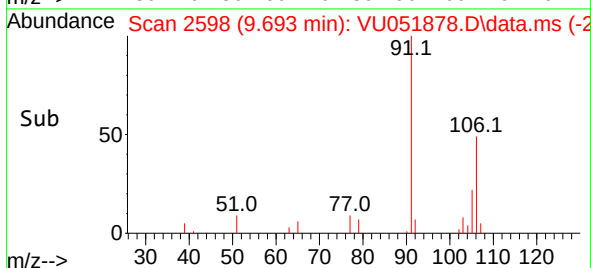
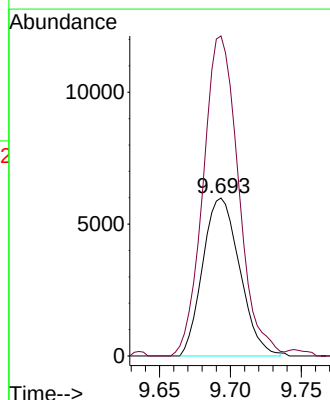
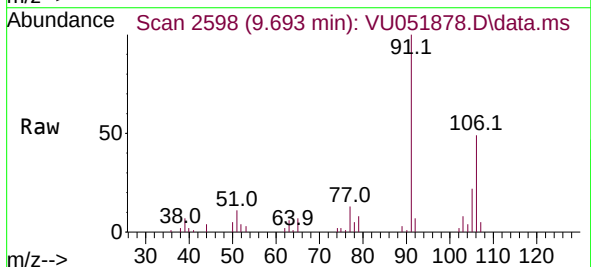
Instrument :
MSVOA_U
ClientSampleId :
MDL04

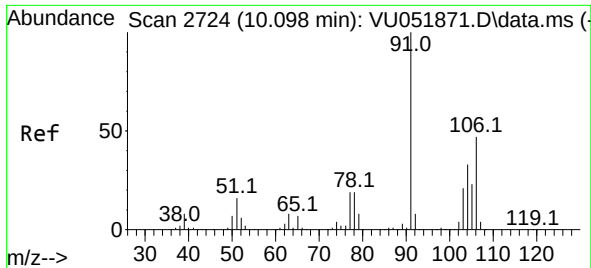
Tgt Ion: 91 Resp: 28179
Ion Ratio Lower Upper
91 100
106 33.0 21.3 39.6



#53
m,p-Xylene
Concen: 1.875 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion: 106 Resp: 10875
Ion Ratio Lower Upper
106 100
91 202.5 141.7 263.3

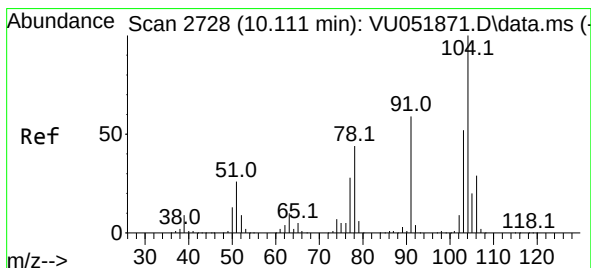
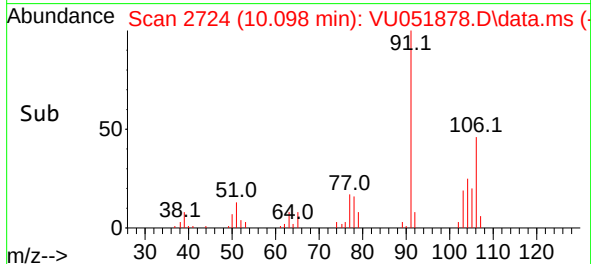
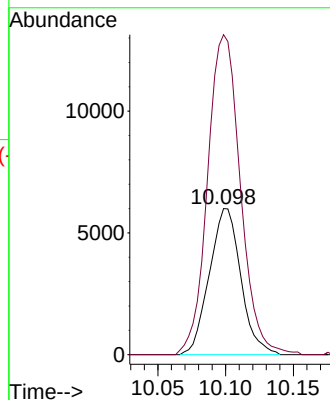
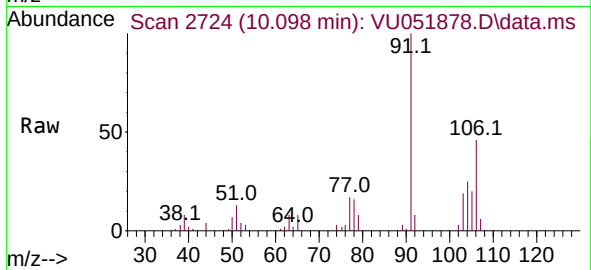




#54
o-Xylene
Concen: 1.642 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

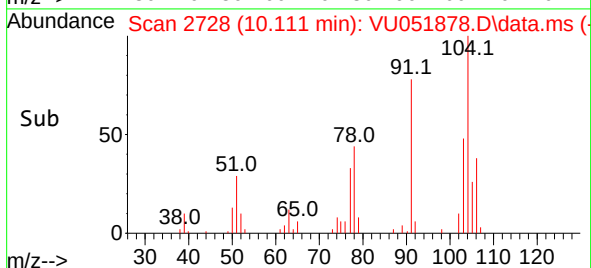
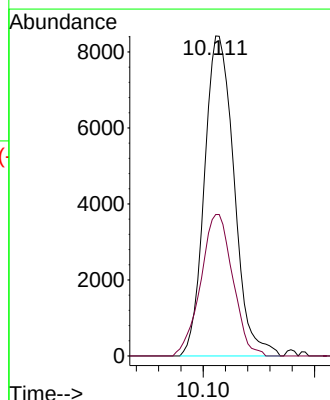
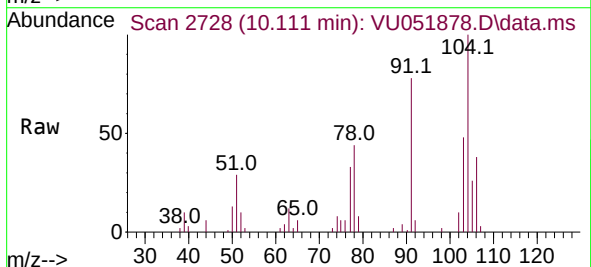
Instrument :
MSVOA_U
ClientSampleId :
MDL04

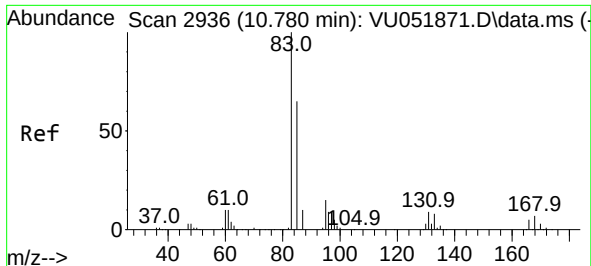
Tgt Ion:106 Resp: 9693
Ion Ratio Lower Upper
106 100
91 219.1 149.7 278.1



#55
Styrene
Concen: 1.527 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion:104 Resp: 15549
Ion Ratio Lower Upper
104 100
78 44.2 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.297 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL04

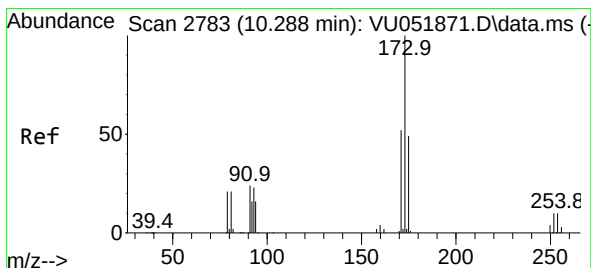
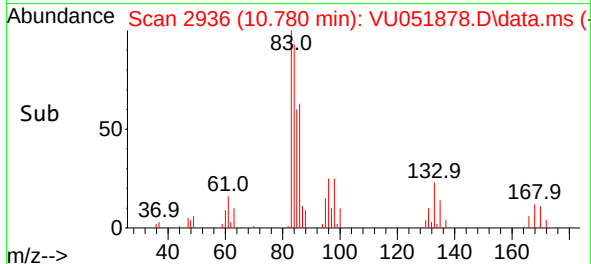
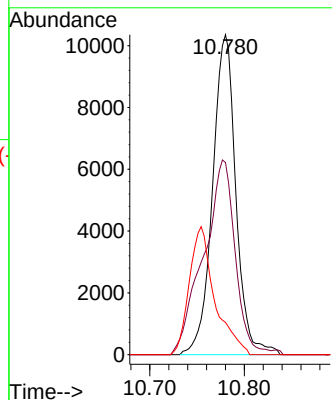
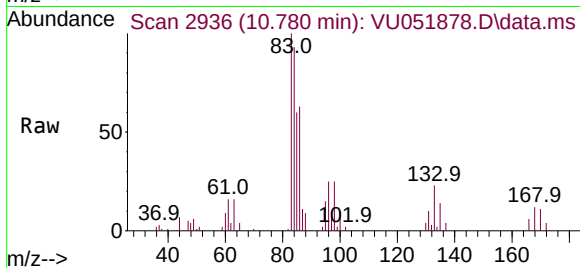
Tgt Ion: 83 Resp: 17774

Ion Ratio Lower Upper

83 100

85 60.1 44.9 83.3

131 10.1 6.8 10.2



#59

Bromoform

Concen: 2.381 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

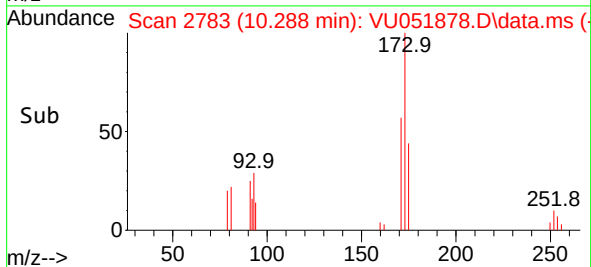
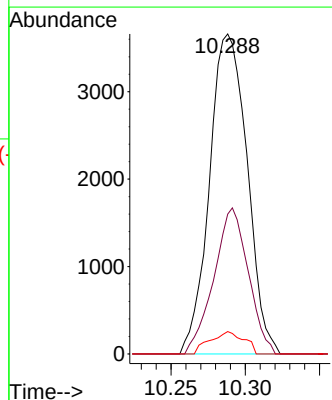
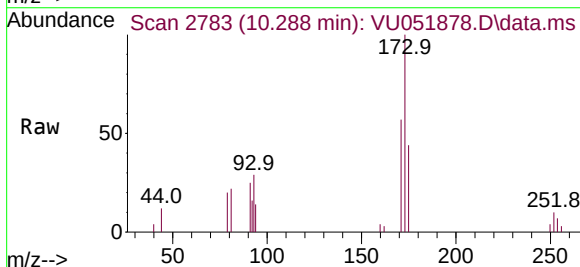
Tgt Ion: 173 Resp: 6457

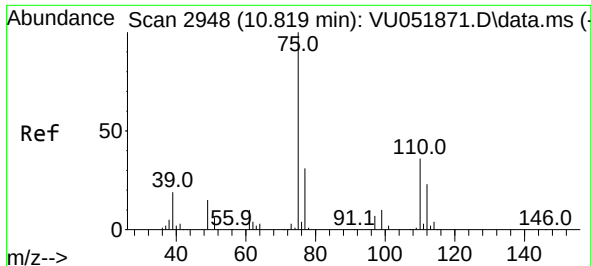
Ion Ratio Lower Upper

173 100

175 41.7 38.9 58.3

254 6.3 7.4 11.2#

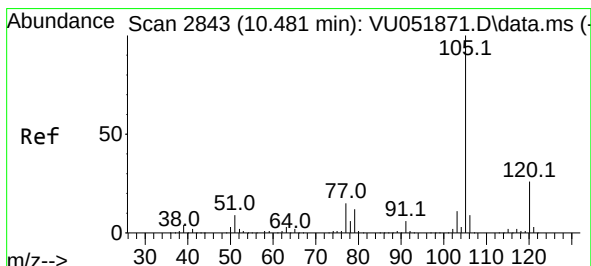
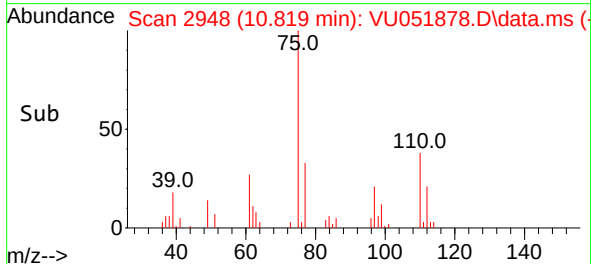
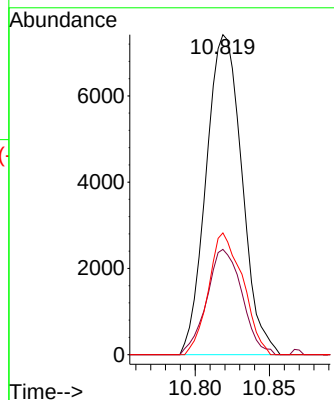
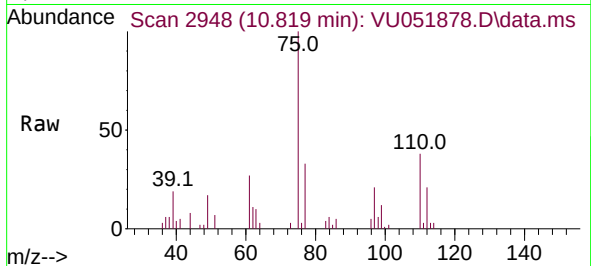




#60
1,2,3-Trichloropropane
Concen: 2.597 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

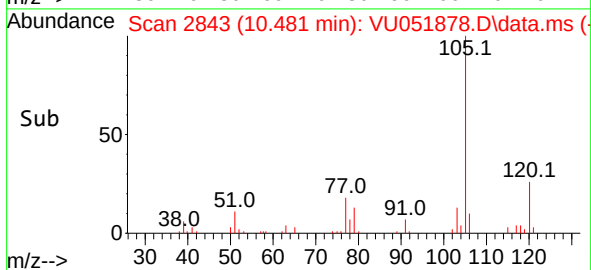
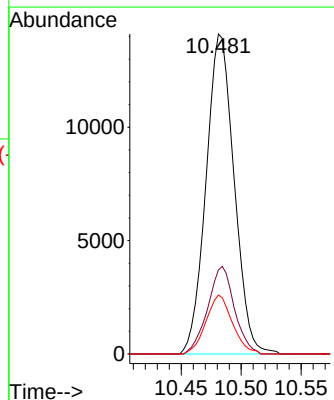
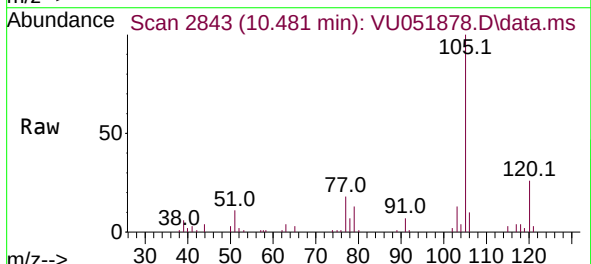
Instrument :
MSVOA_U
ClientSampleId :
MDL04

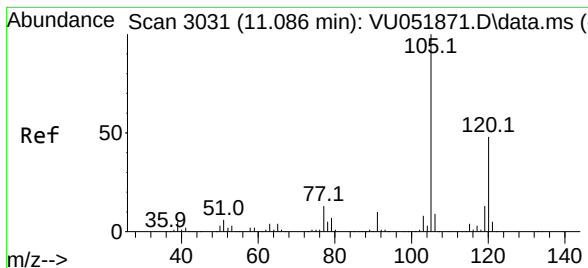
Tgt Ion:	75	Resp:	12428
Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.4
110	36.4	29.0	43.4



#61
Isopropylbenzene
Concen: 1.966 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion:	105	Resp:	22980
Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.1	31.7
77	17.3	12.2	18.4





#62

1,3,5-Trimethylbenzene

Concen: 1.830 ug/L

RT: 11.085 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

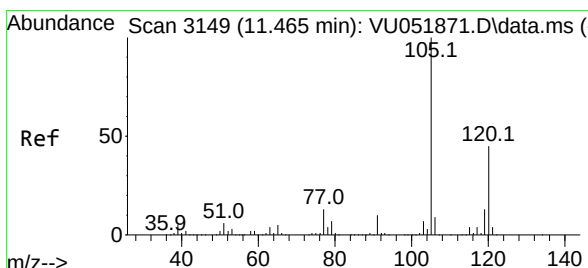
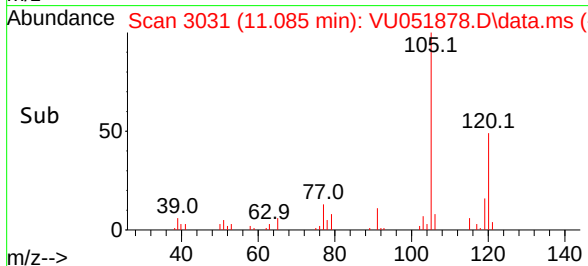
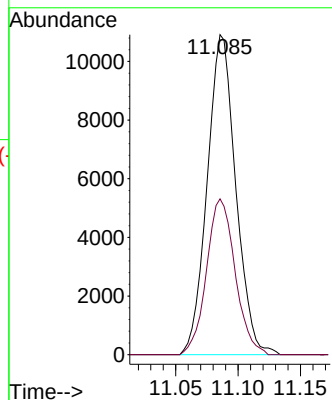
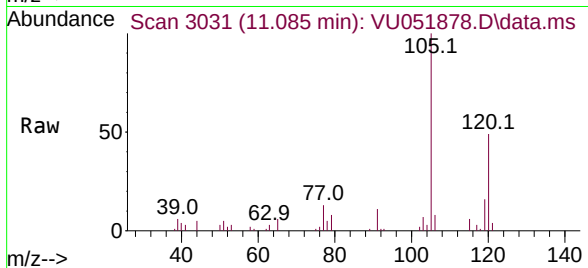
MDL04

Tgt Ion:105 Resp: 17431

Ion Ratio Lower Upper

105 100

120 48.8 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 1.671 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU051878.D

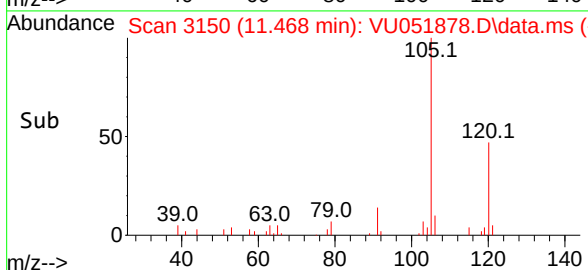
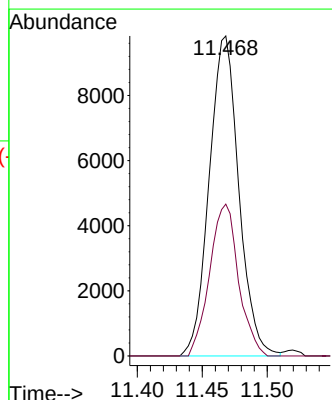
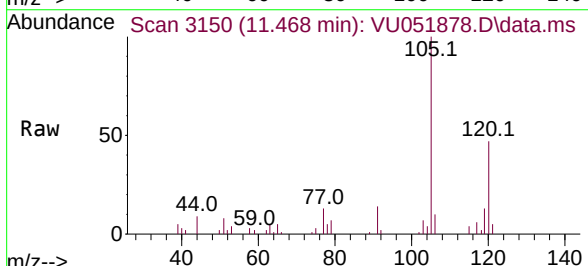
Acq: 16 Nov 2022 12:41

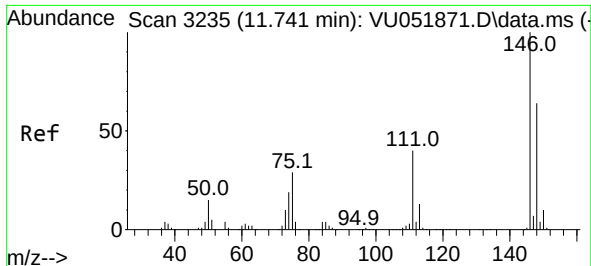
Tgt Ion:105 Resp: 15552

Ion Ratio Lower Upper

105 100

120 46.2 36.2 54.2

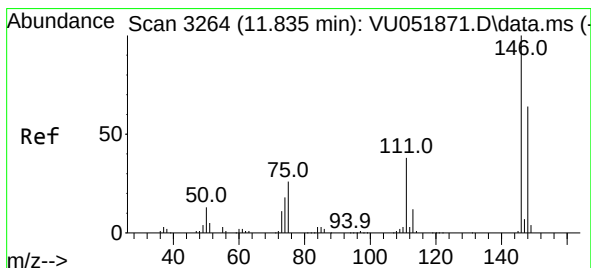
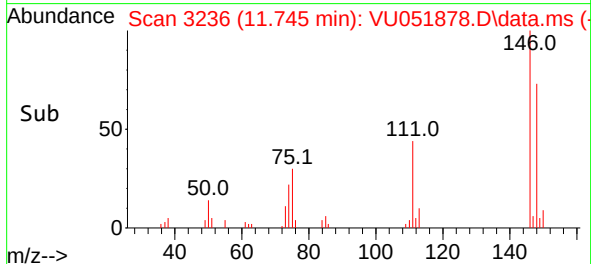
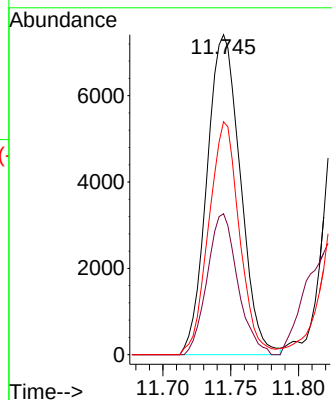
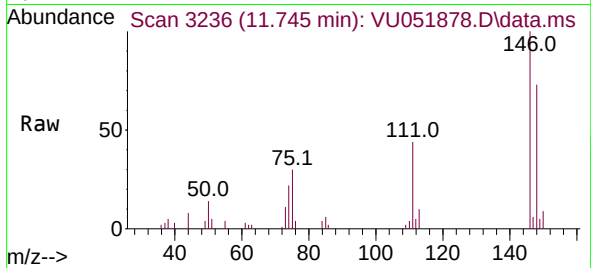




#64
1,3-Dichlorobenzene
Concen: 2.143 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

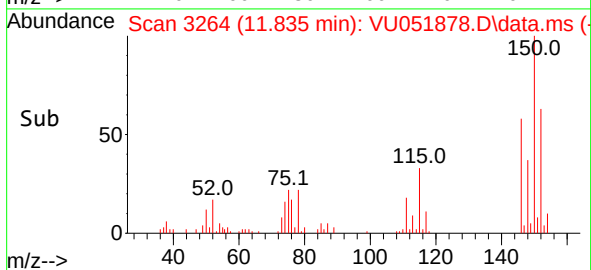
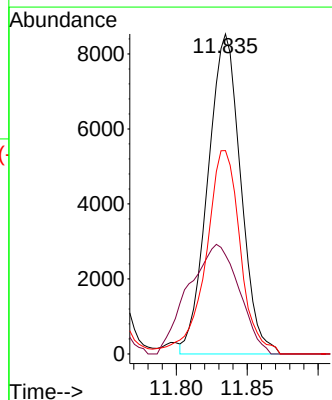
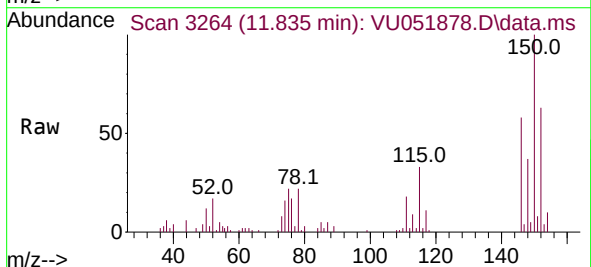
Instrument :
MSVOA_U
ClientSampleId :
MDL04

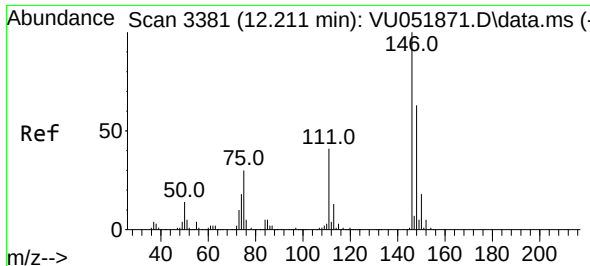
Tgt Ion:146 Resp: 12699
Ion Ratio Lower Upper
146 100
111 44.0 28.1 52.1
148 72.8 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 2.293 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051878.D
Acq: 16 Nov 2022 12:41

Tgt Ion:146 Resp: 13757
Ion Ratio Lower Upper
146 100
111 30.9 26.7 49.5
148 63.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.471 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL04

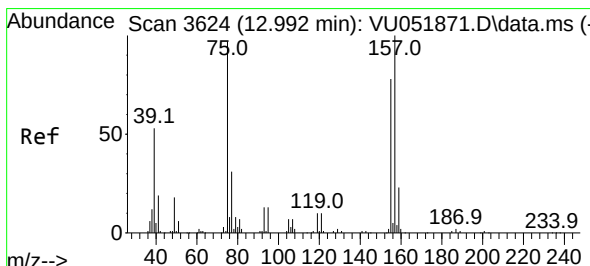
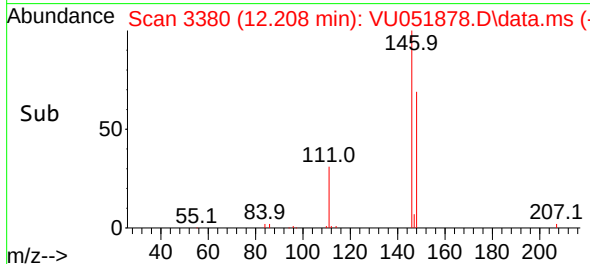
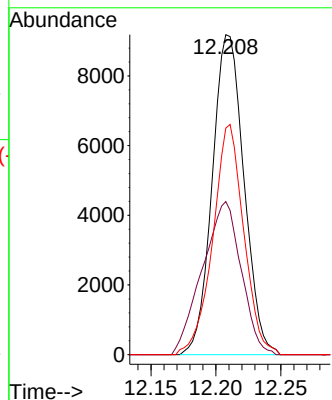
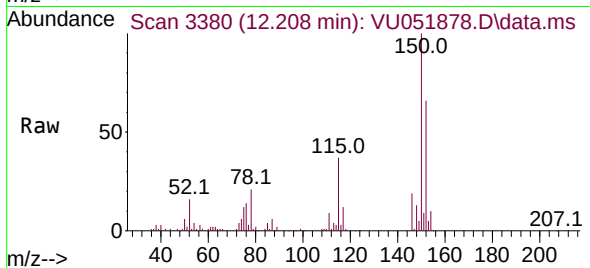
Tgt Ion:146 Resp: 15567

Ion Ratio Lower Upper

146 100

111 47.9 33.6 50.4

148 70.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.440 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

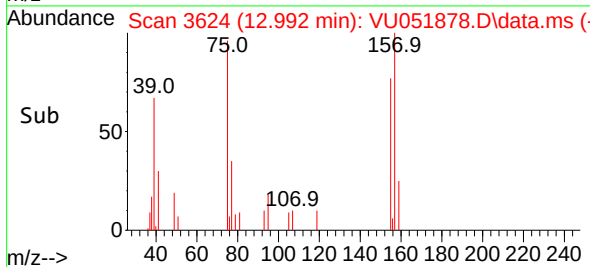
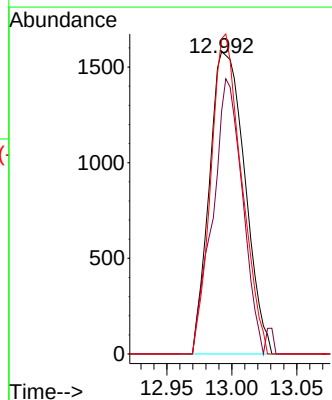
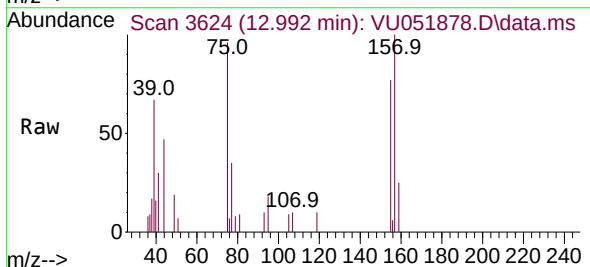
Tgt Ion: 75 Resp: 2989

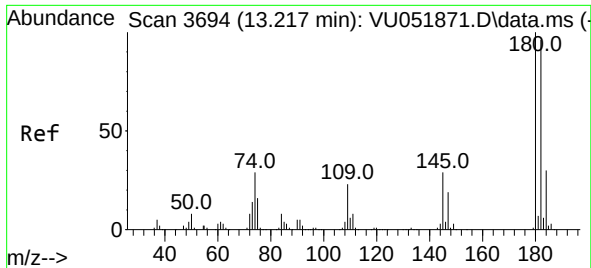
Ion Ratio Lower Upper

75 100

155 80.3 63.0 94.6

157 104.2 79.4 119.0

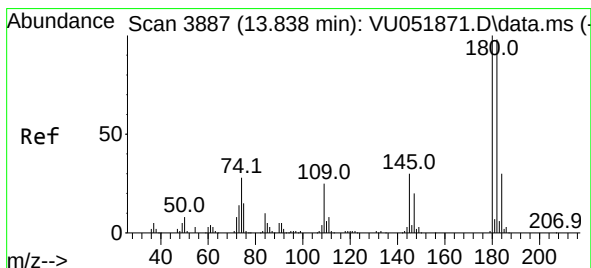
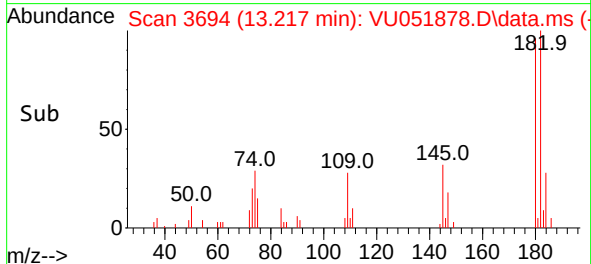
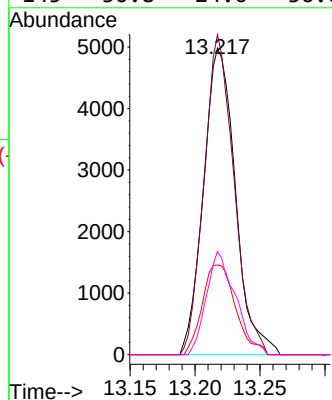
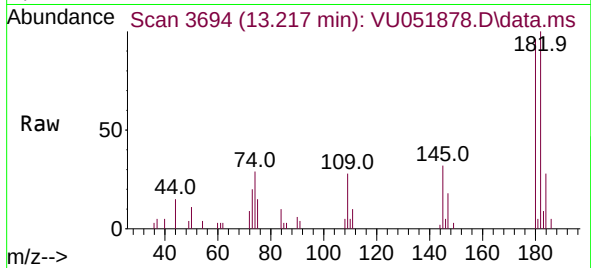




#69
 1,3,5-Trichlorobenzene
 Concen: 2.163 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051878.D
 Acq: 16 Nov 2022 12:41

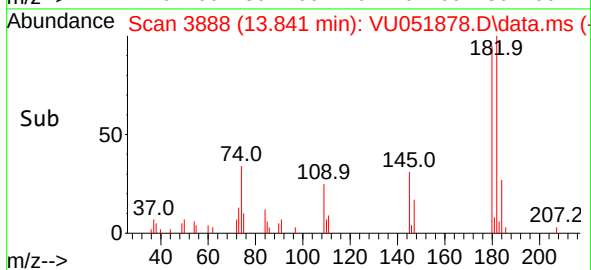
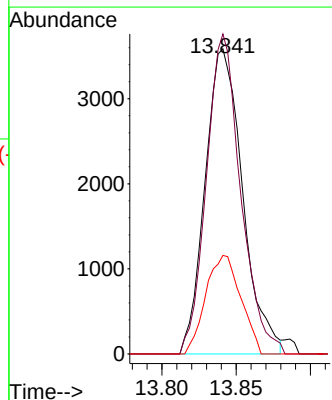
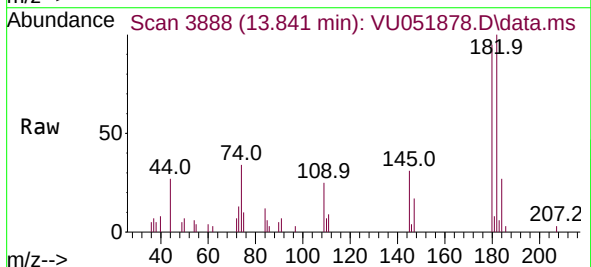
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

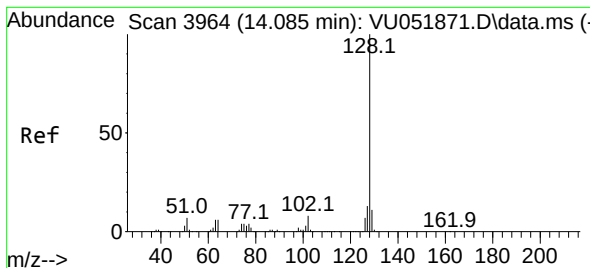
Tgt Ion:	180	Resp:	8503
Ion Ratio	Lower	Upper	
180	100		
182	97.4	77.0	115.4
184	30.6	23.8	35.8
145	30.8	24.0	36.0



#70
 1,2,4-trichlorobenzene
 Concen: 2.022 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU051878.D
 Acq: 16 Nov 2022 12:41

Tgt Ion:	180	Resp:	6301
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.4	114.6
145	30.2	24.2	36.2





#71

Naphthalene

Concen: 1.791 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

MDL04

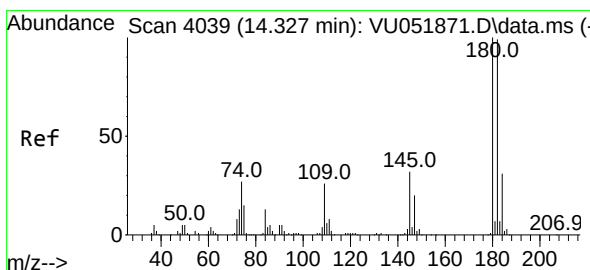
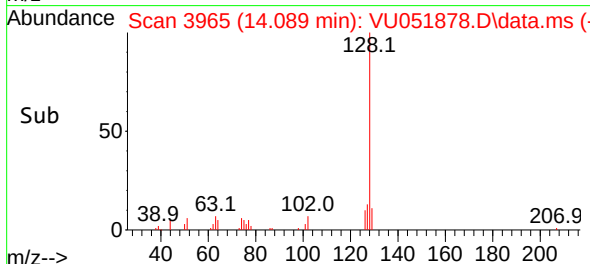
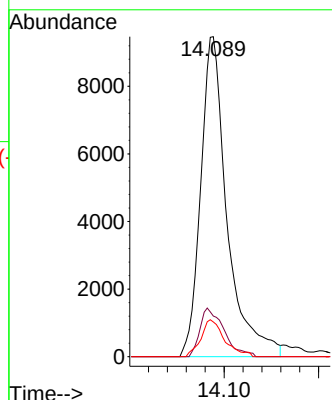
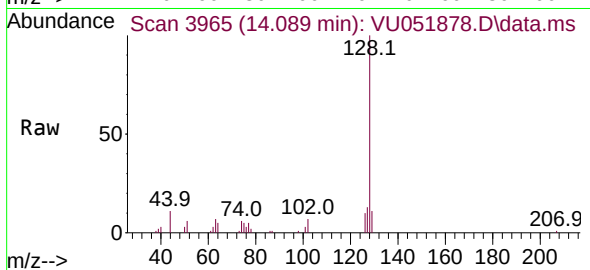
Tgt Ion:128 Resp: 18349

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 10.1 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 1.926 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU051878.D

Acq: 16 Nov 2022 12:41

Tgt Ion:180 Resp: 6569

Ion Ratio Lower Upper

180 100

182 103.4 76.9 115.3

145 31.4 24.9 37.3

