

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111622\
 Data File : VU051881.D
 Acq On : 16 Nov 2022 13:58
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Quant Time: Nov 17 01:41:20 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	6.247	114	504571	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	496068	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	197382	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	109670	44.274	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.540%
7) Chloroethane-d5	1.903	69	115574	46.568	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.140%
11) 1,1-Dichloroethene-d2	2.562	63	137257	30.900	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.800%
21) 2-Butanone-d5	4.616	46	278066	98.719	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.720%
24) Chloroform-d	5.060	84	282884	45.556	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.120%
26) 1,2-Dichloroethane-d4	5.700	65	179103	47.118	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.240%
32) Benzene-d6	5.726	84	507211	49.038	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.080%
36) 1,2-Dichloropropane-d6	6.690	67	191697	49.791	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.580%
41) Toluene-d8	7.896	98	389472	45.875	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.760%
43) trans-1,3-Dichloroprop...	8.176	79	69851	45.550	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.100%
47) 2-Hexanone-d5	8.629	63	186895	95.516	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.520%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	345272	46.078	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.160%
66) 1,2-Dichlorobenzene-d4	12.192	152	182581	52.563	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6816	2.200	ug/L	91
3) Chloromethane	1.523	50	11947	2.904	ug/L	96
5) Vinyl chloride	1.604	62	9556	2.239	ug/L #	1
6) Bromomethane	1.842	94	4167	2.254	ug/L	90
8) Chloroethane	1.925	64	6031	2.174	ug/L	93
9) Trichlorofluoromethane	2.134	101	10890	2.132	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	8557	2.658	ug/L	84
12) 1,1-Dichloroethene	2.575	96	7599	2.527	ug/L #	1
13) Acetone	2.623	43	9848	3.268	ug/L	96
14) Carbon disulfide	2.790	76	17269	2.073	ug/L	96
15) Methyl Acetate	2.948	43	8908	2.168	ug/L	97
16) Methylene chloride	3.047	84	12886	2.684	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	6616	2.042	ug/L	94
18) Methyl tert-butyl Ether	3.362	73	20369	2.031	ug/L	97
19) 1,1-Dichloroethane	3.867	63	14396	2.183	ug/L	95
20) cis-1,2-Dichloroethene	4.668	96	7941	2.100	ug/L	92
22) 2-Butanone	4.716	43	10396	3.055	ug/L	72
23) Bromochloromethane	4.973	128	4672	2.239	ug/L	89
25) Chloroform	5.086	83	16008	2.326	ug/L	97

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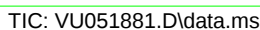
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

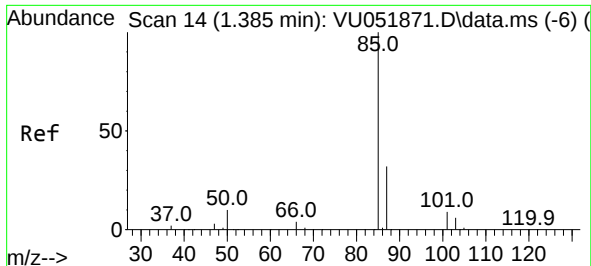
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	11088	2.180	ug/L	98
29) Cyclohexane	5.382	56	9146	2.161	ug/L #	94
30) 1,1,1-Trichloroethane	5.311	97	10252	2.044	ug/L	94
31) Carbon tetrachloride	5.523	117	9156	2.184	ug/L	98
33) Benzene	5.771	78	32399	2.271	ug/L	100
34) Trichloroethene	6.539	95	7282	2.154	ug/L	84
35) Methylcyclohexane	6.758	83	8915	1.945	ug/L	96
37) 1,2-Dichloropropane	6.790	63	9089	2.249	ug/L #	98
38) Bromodichloromethane	7.105	83	10736	2.124	ug/L	96
39) cis-1,3-Dichloropropene	7.607	75	10978	2.077	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	19656	3.694	ug/L	95
42) Toluene	7.967	91	30838	2.101	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	12987	2.564	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	8697	2.118	ug/L	94
46) Tetrachloroethene	8.552	164	5732	2.123	ug/L	95
48) 2-Hexanone	8.684	43	22755	4.979	ug/L	95
49) Dibromochloromethane	8.809	129	8546	2.019	ug/L	92
50) 1,2-Dibromoethane	8.922	107	8912	2.156	ug/L #	95
51) Chlorobenzene	9.446	112	21593	2.153	ug/L	99
52) Ethylbenzene	9.568	91	28444	1.894	ug/L	99
53) m,p-Xylene	9.693	106	9985	1.717	ug/L	94
54) o-Xylene	10.095	106	10064	1.701	ug/L	92
55) Styrene	10.115	104	14966	1.466	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.780	83	17173	2.213	ug/L #	96
59) Bromoform	10.288	173	6314	2.359	ug/L #	97
60) 1,2,3-Trichloropropane	10.822	75	11465	2.428	ug/L	95
61) Isopropylbenzene	10.481	105	22175	1.922	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	16963	1.805	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	14578	1.587	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	12623	2.159	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	13733	2.319	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	15009	2.414	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.995	75	2913	2.410	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.221	180	8262	2.130	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	6228	2.026	ug/L	99
71) Naphthalene	14.089	128	17338	1.715	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	6826	2.028	ug/L	96

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

Instrument :
MSVOA_U
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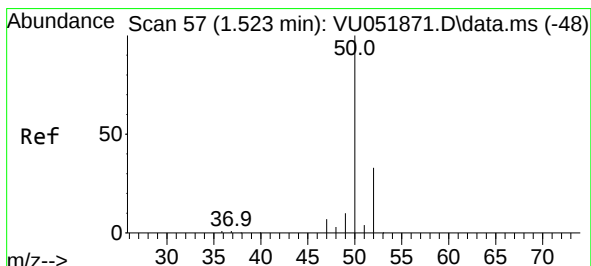
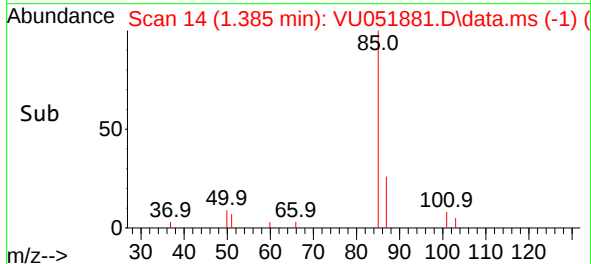
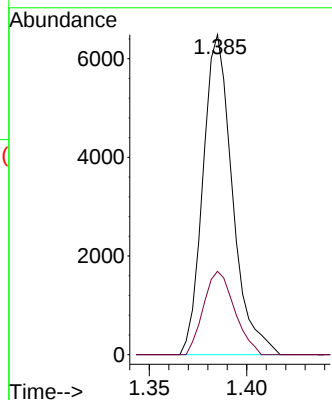
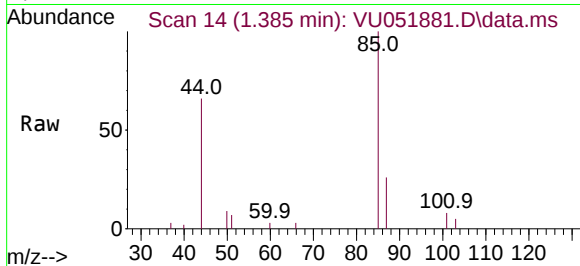




#2
Dichlorodifluoromethane
Concen: 2.200 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

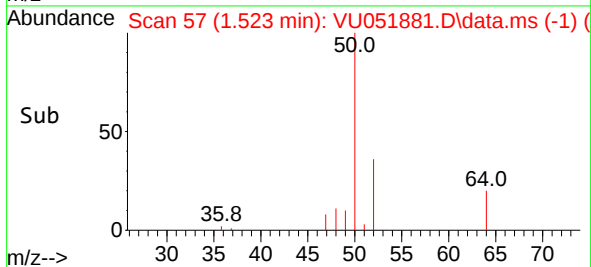
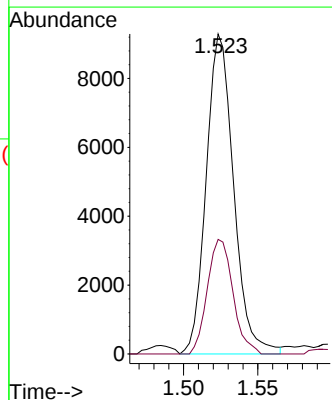
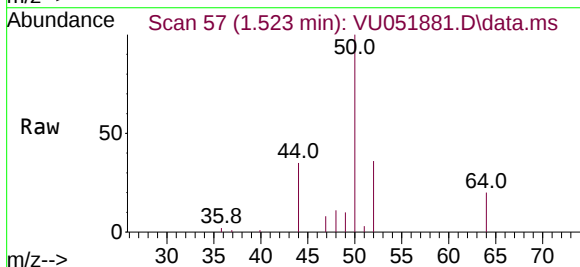
Instrument :
MSVOA_U
ClientSampleId :
MDL02

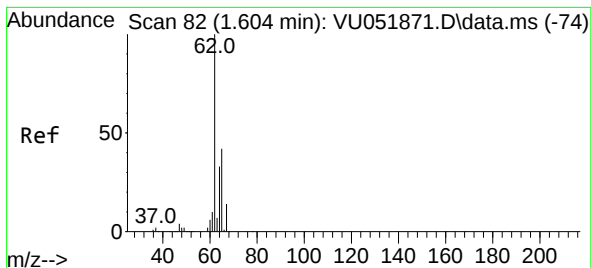
Tgt Ion: 85 Resp: 6816
Ion Ratio Lower Upper
85 100
87 27.4 26.0 39.0



#3
Chloromethane
Concen: 2.904 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion: 50 Resp: 11947
Ion Ratio Lower Upper
50 100
52 35.8 23.4 43.6





#5

Vinyl chloride

Concen: 2.239 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

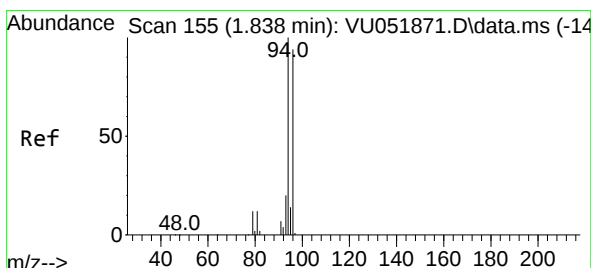
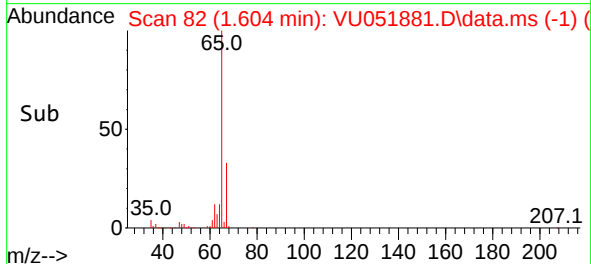
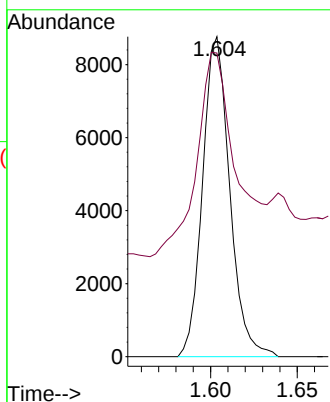
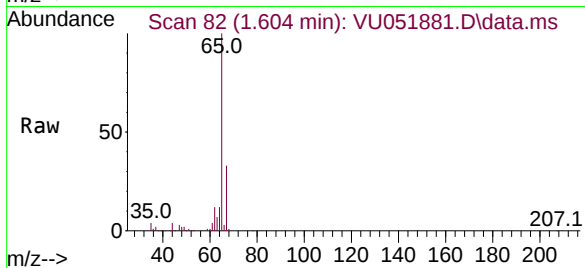
MDL02

Tgt Ion: 62 Resp: 9556

Ion Ratio Lower Upper

62 100

64 94.9 24.3 45.1#



#6

Bromomethane

Concen: 2.254 ug/L

RT: 1.842 min Scan# 156

Delta R.T. 0.003 min

Lab File: VU051881.D

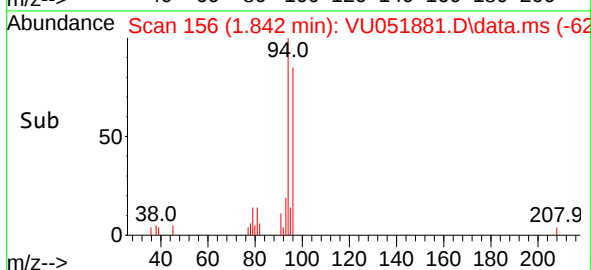
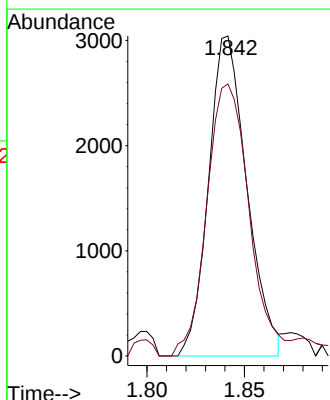
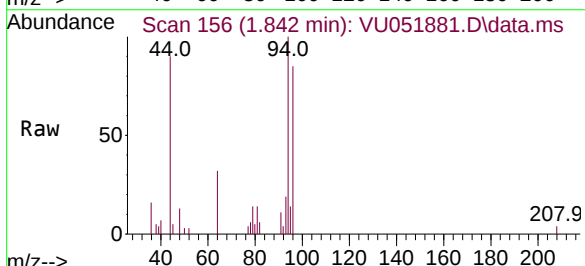
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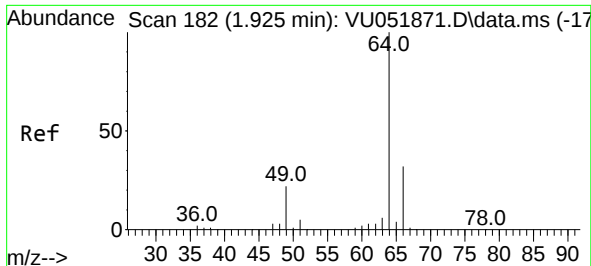
Tgt Ion: 94 Resp: 4167

Ion Ratio Lower Upper

94 100

96 85.0 66.1 122.7

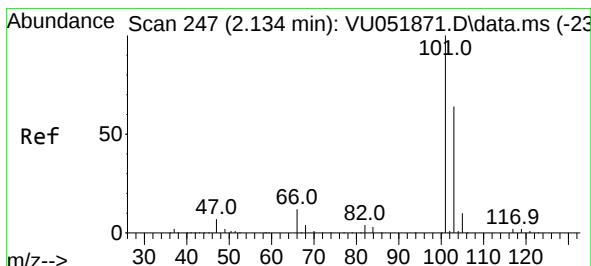
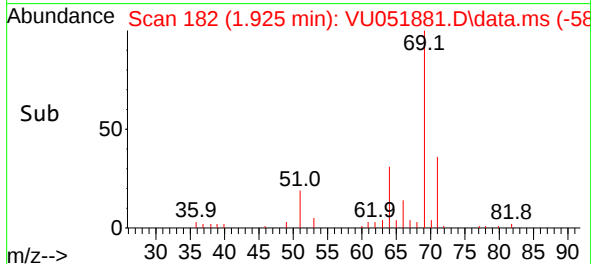
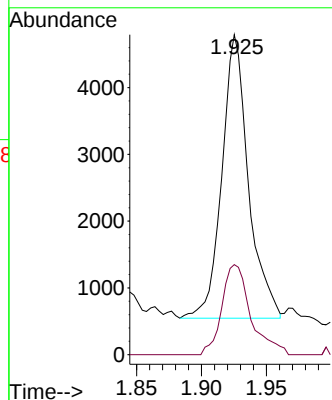
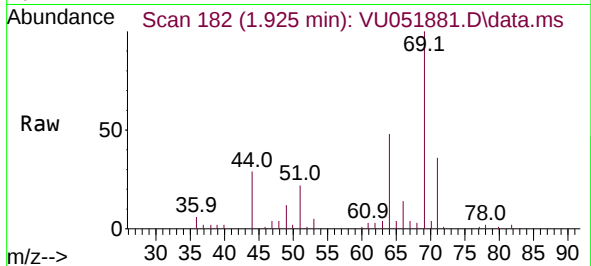




#8
Chloroethane
Concen: 2.174 ug/L
RT: 1.925 min Scan# 182
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

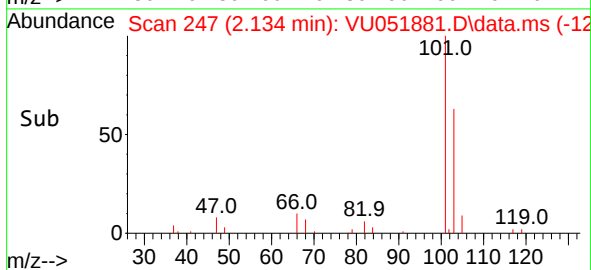
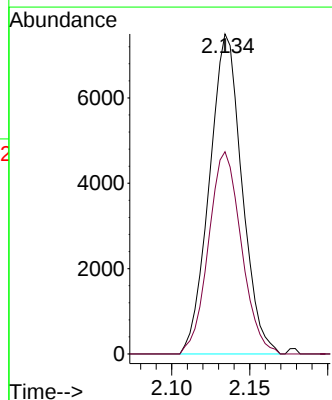
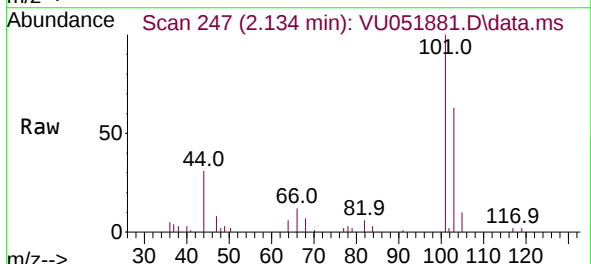
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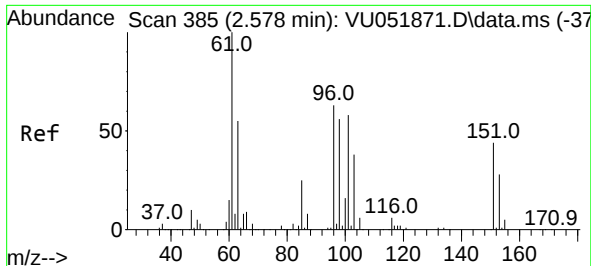
Tgt Ion: 64 Resp: 6031
Ion Ratio Lower Upper
64 100
66 28.2 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.132 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion:101 Resp: 10890
Ion Ratio Lower Upper
101 100
103 63.7 51.4 77.2





#10

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

Concen: 2.658 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL02

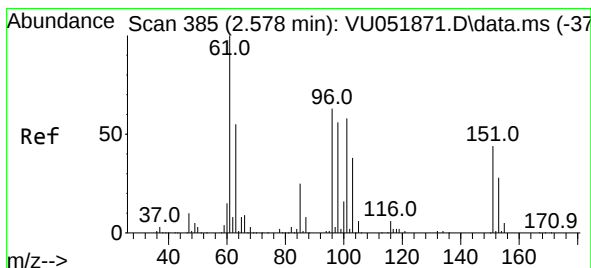
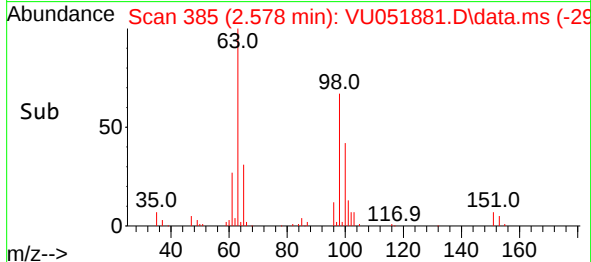
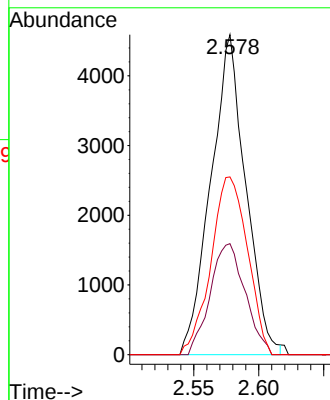
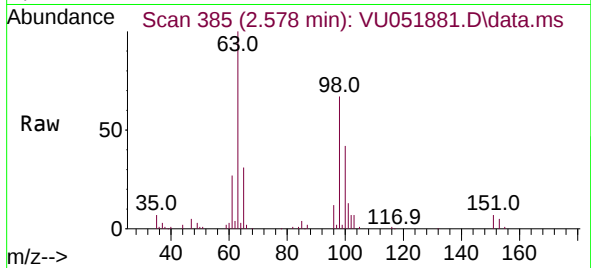
Tgt Ion:101 Resp: 8557

Ion Ratio Lower Upper

101 100

85 34.8 34.2 51.2

151 58.3 58.3 87.5



#12

1,1-Dichloroethene

Concen: 2.527 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

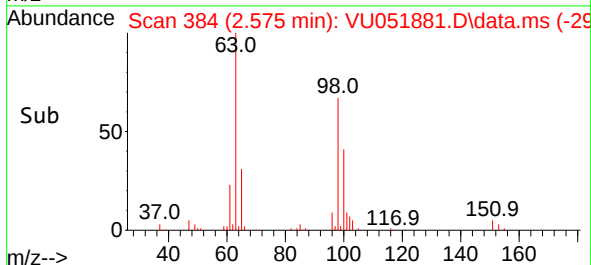
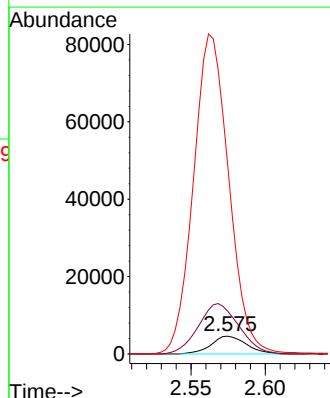
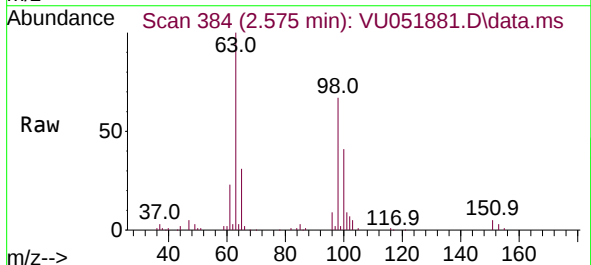
Tgt Ion: 96 Resp: 7599

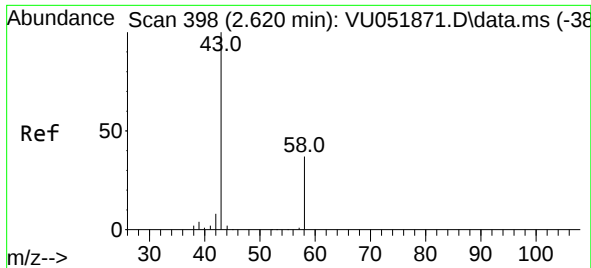
Ion Ratio Lower Upper

96 100

61 239.6 110.7 205.5#

63 1059.8 68.6 127.4#





#13

Acetone

Concen: 3.268 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

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ClientSampleId :

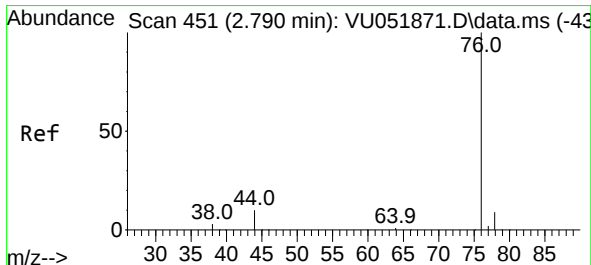
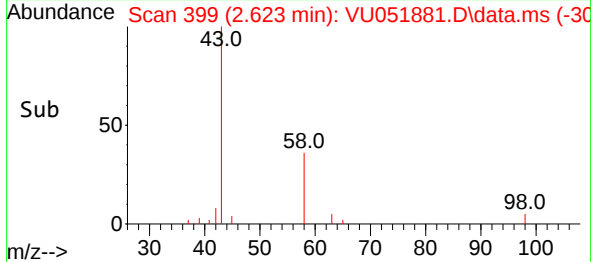
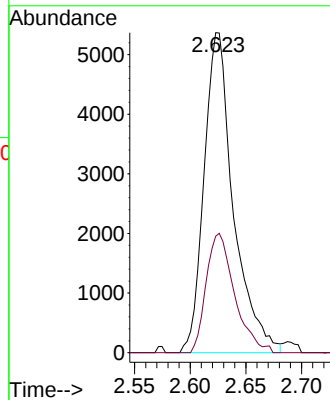
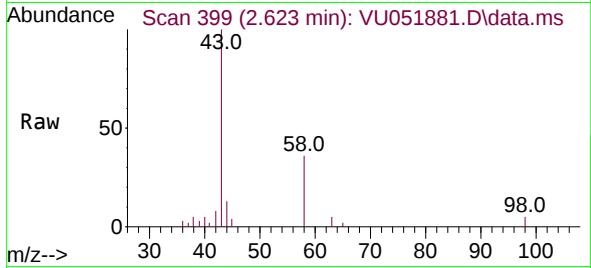
MDL02

Tgt Ion: 43 Resp: 9848

Ion Ratio Lower Upper

43 100

58 35.5 0.0 75.4



#14

Carbon disulfide

Concen: 2.073 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051881.D

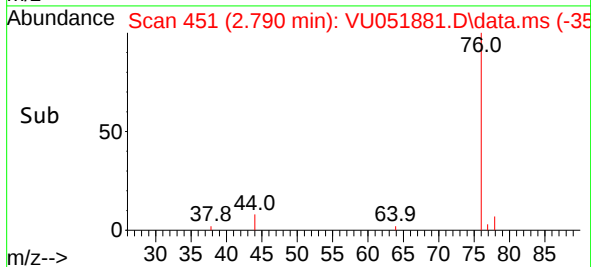
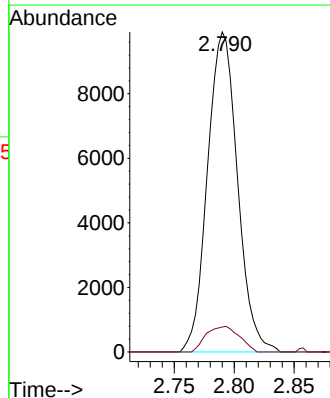
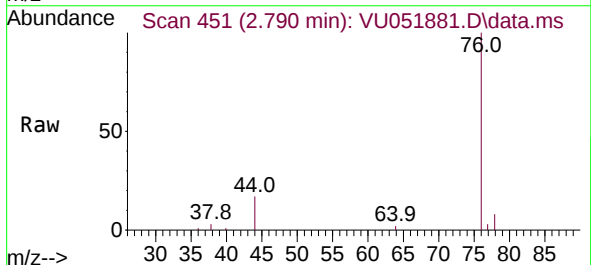
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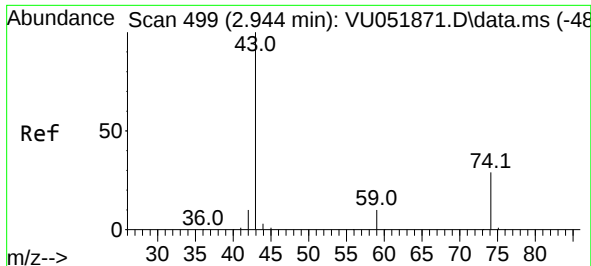
Tgt Ion: 76 Resp: 17269

Ion Ratio Lower Upper

76 100

78 7.8 7.4 11.0

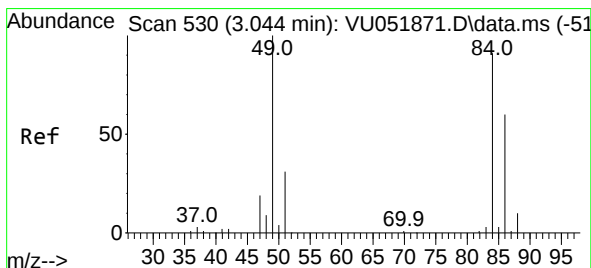
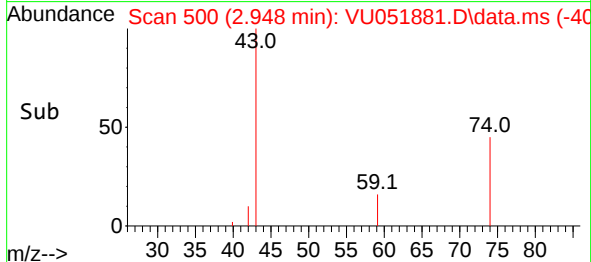
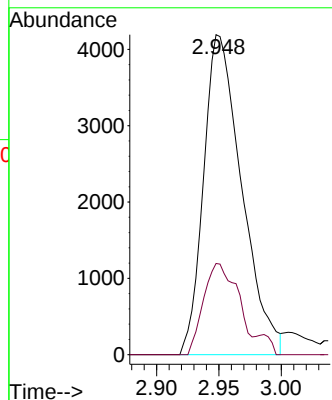
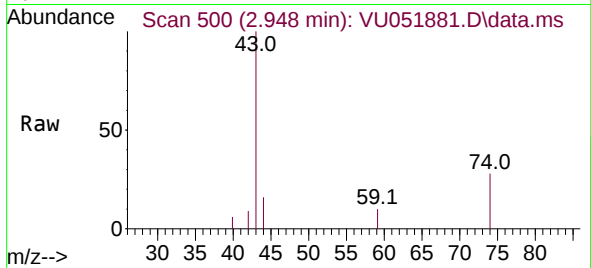




#15
Methyl Acetate
Concen: 2.168 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

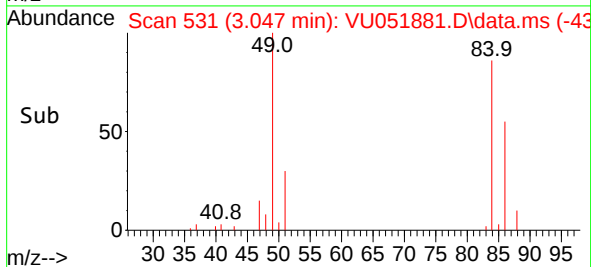
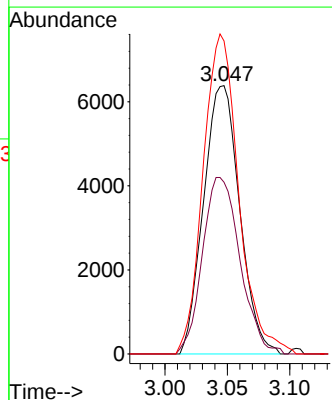
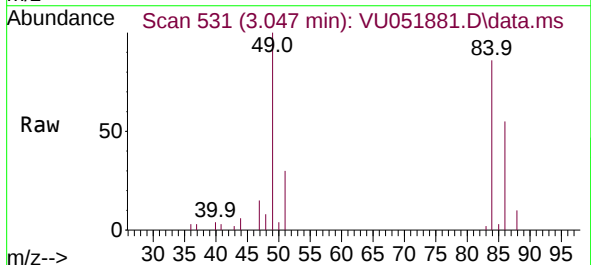
Instrument :
MSVOA_U
ClientSampleId :
MDL02

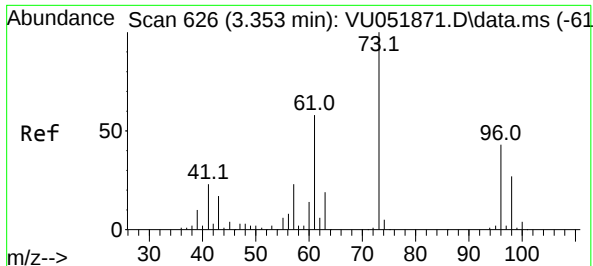
Tgt Ion: 43 Resp: 8908
Ion Ratio Lower Upper
43 100
74 25.6 21.8 32.8



#16
Methylene chloride
Concen: 2.684 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion: 84 Resp: 12886
Ion Ratio Lower Upper
84 100
86 64.0 44.7 82.9
49 116.7 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 2.042 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL02

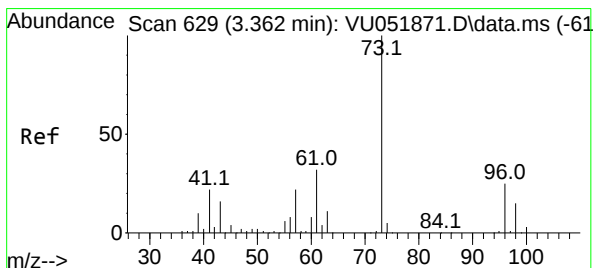
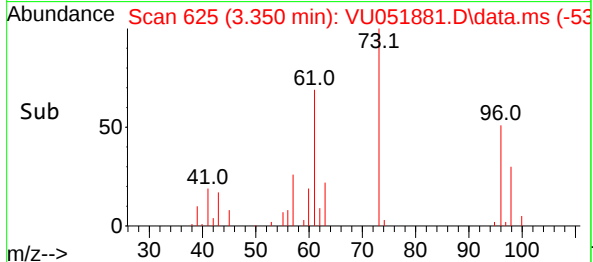
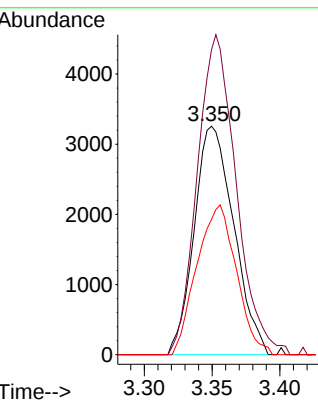
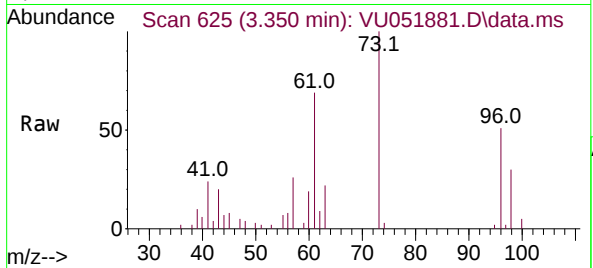
Tgt Ion: 96 Resp: 6616

Ion Ratio Lower Upper

96 100

61 133.5 98.3 182.7

98 59.2 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 2.031 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

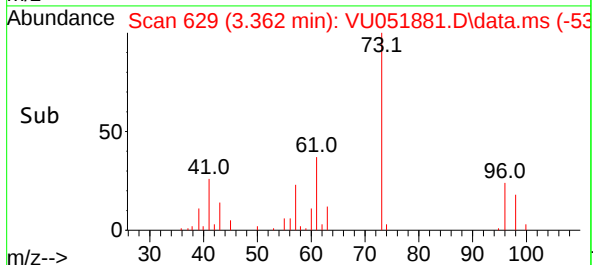
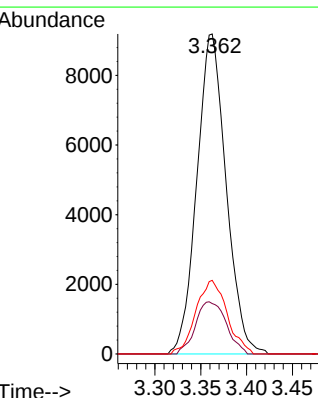
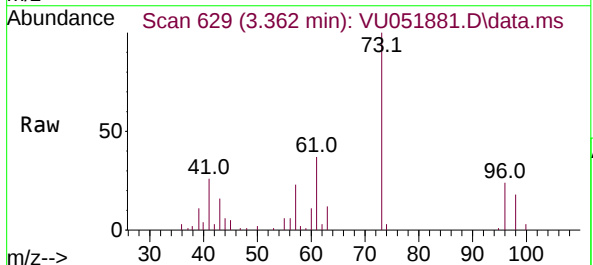
Tgt Ion: 73 Resp: 20369

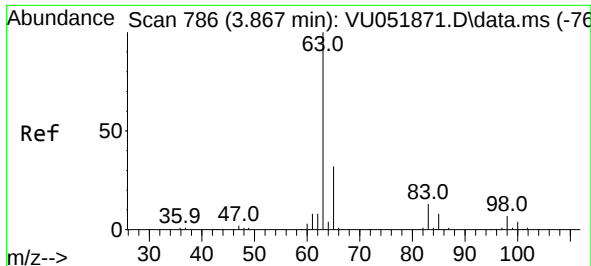
Ion Ratio Lower Upper

73 100

43 17.1 13.4 20.0

57 24.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.183 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL02

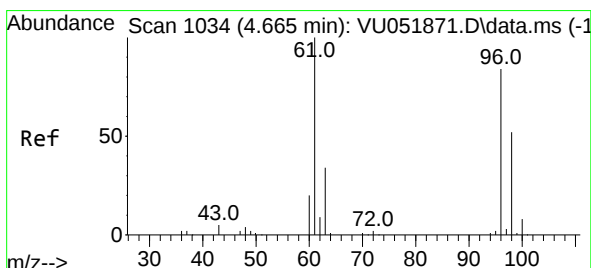
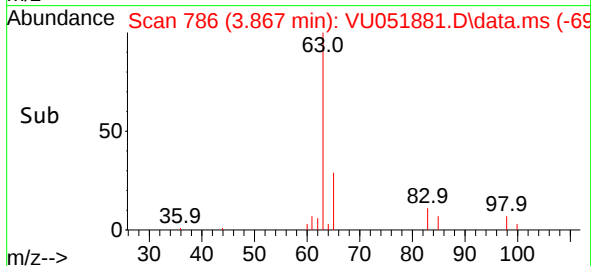
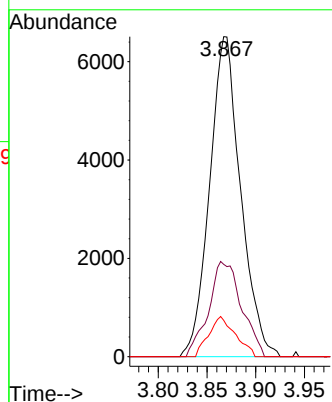
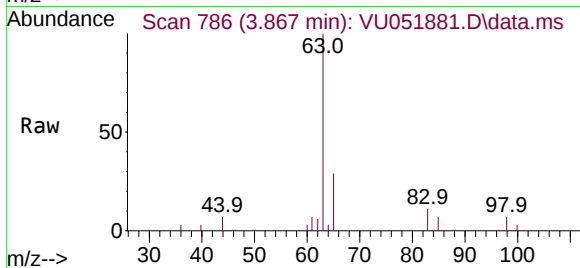
Tgt Ion: 63 Resp: 14396

Ion Ratio Lower Upper

63 100

65 28.9 22.2 41.2

83 11.4 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.100 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

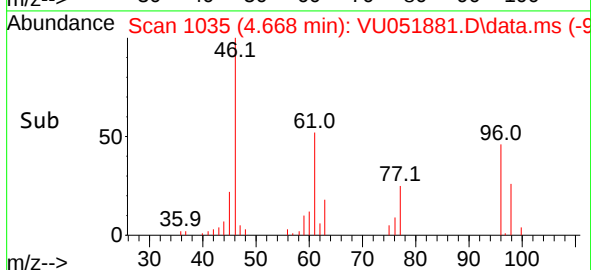
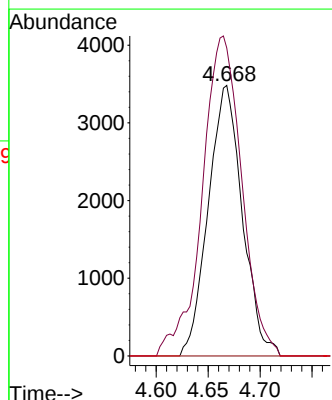
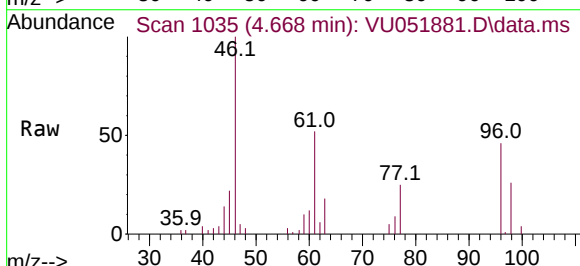
Tgt Ion: 96 Resp: 7941

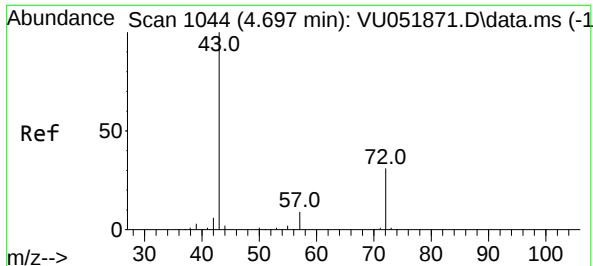
Ion Ratio Lower Upper

96 100

61 113.9 86.0 159.8

68 0.0 0.0 0.0

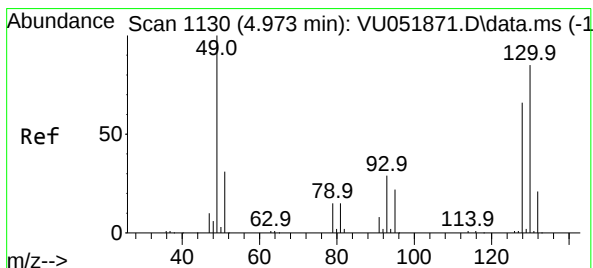
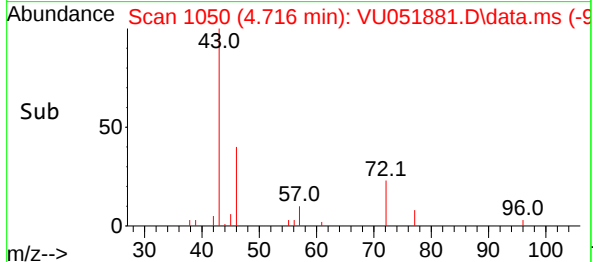
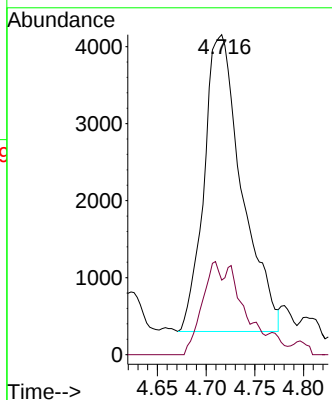
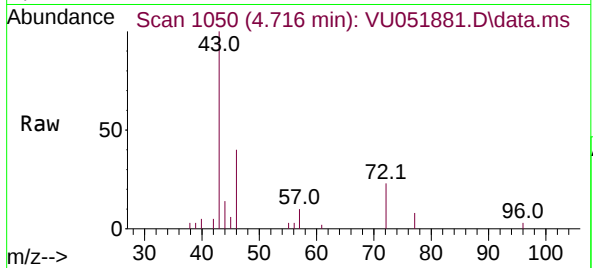




#22
2-Butanone
Concen: 3.055 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.019 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

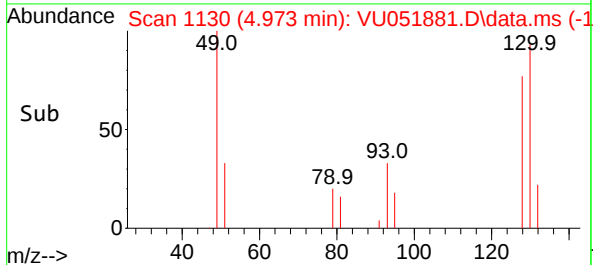
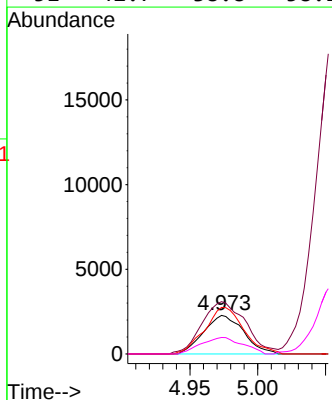
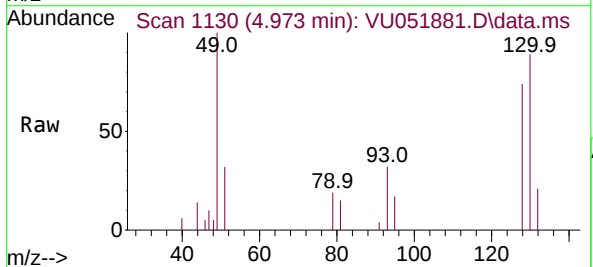
Instrument :
MSVOA_U
ClientSampleId :
MDL02

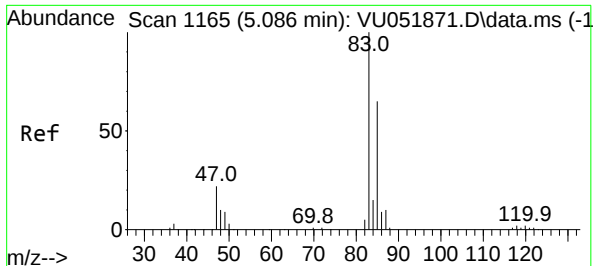
Tgt Ion: 43 Resp: 10396
Ion Ratio Lower Upper
43 100
72 15.9 15.7 47.1



#23
Bromochloromethane
Concen: 2.239 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion:128 Resp: 4672
Ion Ratio Lower Upper
128 100
49 135.5 107.2 199.0
130 120.4 92.5 171.7
51 42.7 38.8 58.2





#25

Chloroform

Concen: 2.326 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

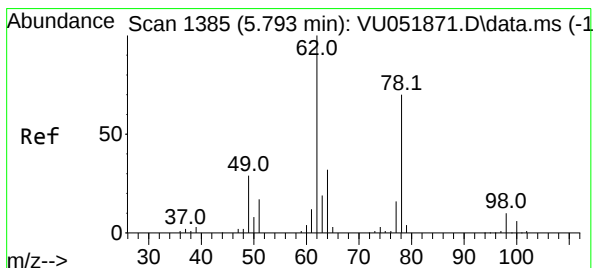
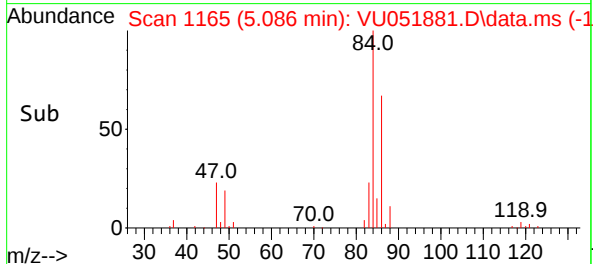
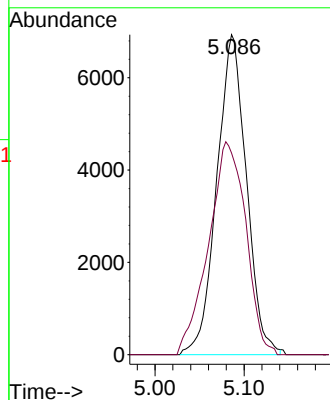
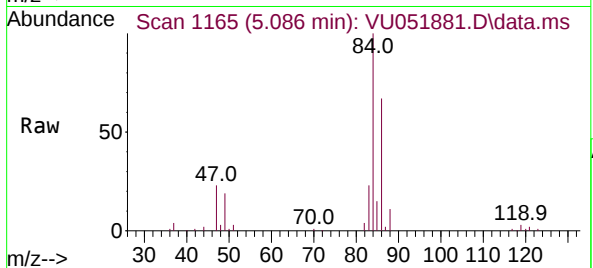
MDL02

Tgt Ion: 83 Resp: 16008

Ion Ratio Lower Upper

83 100

85 63.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 2.180 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051881.D

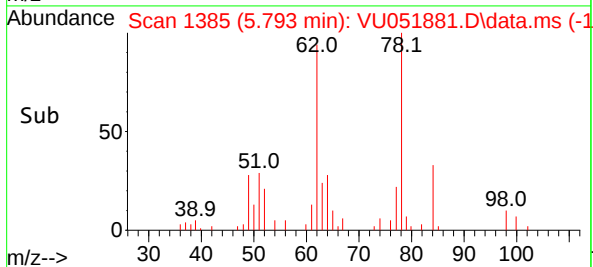
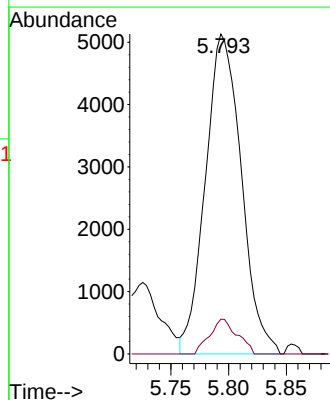
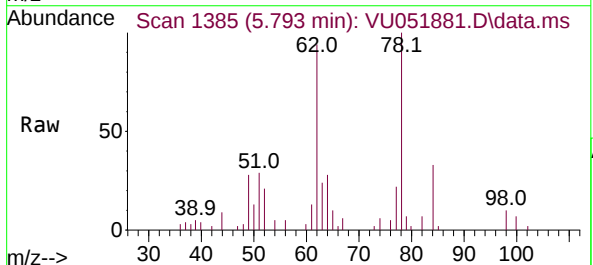
Acq: 16 Nov 2022 13:58

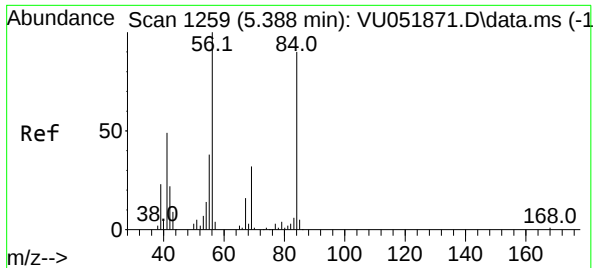
Tgt Ion: 62 Resp: 11088

Ion Ratio Lower Upper

62 100

98 10.9 8.1 12.1





#29

Cyclohexane

Concen: 2.161 ug/L

RT: 5.382 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL02

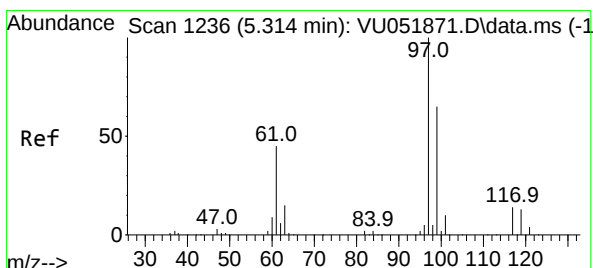
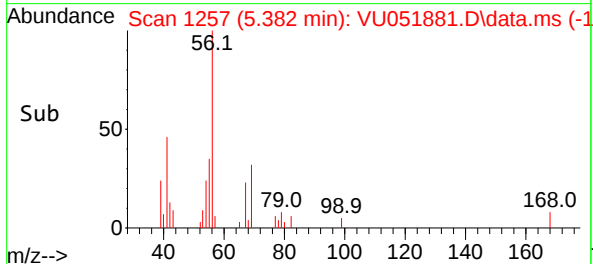
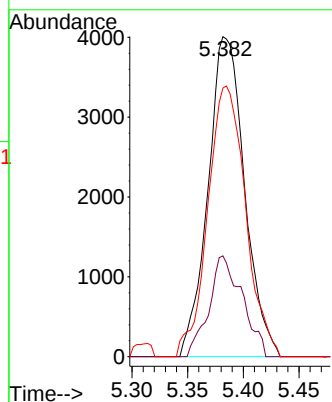
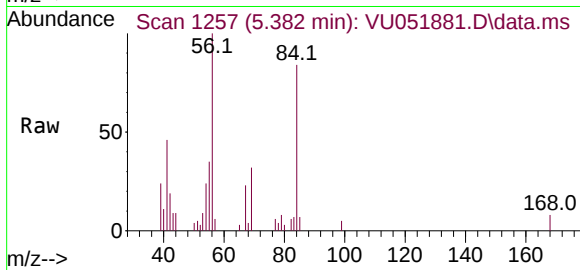
Tgt Ion: 56 Resp: 9146

Ion Ratio Lower Upper

56 100

69 21.7 25.4 38.2#

84 87.5 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 2.044 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

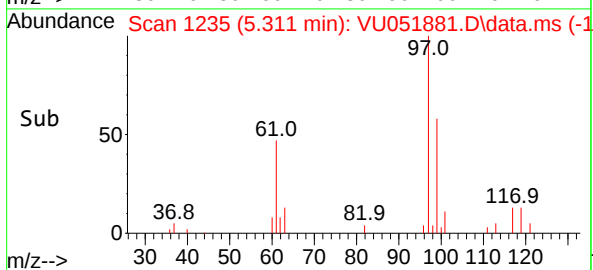
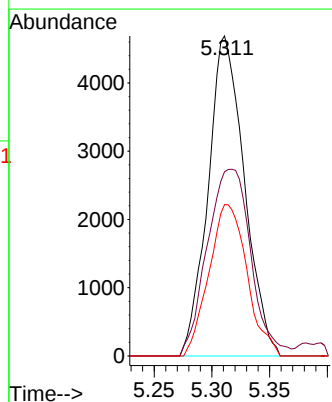
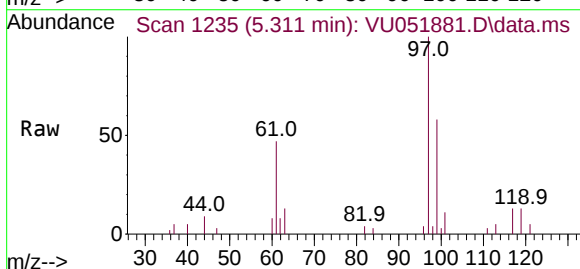
Tgt Ion: 97 Resp: 10252

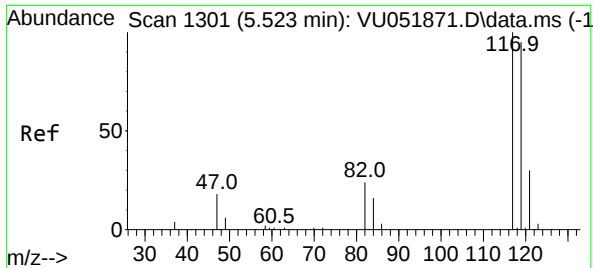
Ion Ratio Lower Upper

97 100

99 70.2 51.2 76.8

61 49.6 37.4 56.2

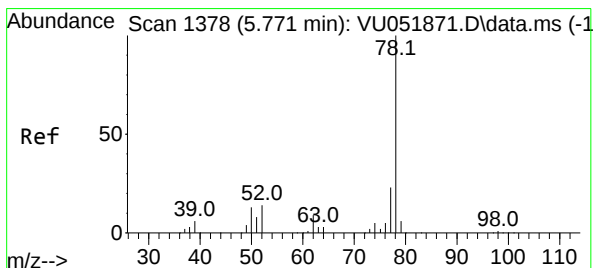
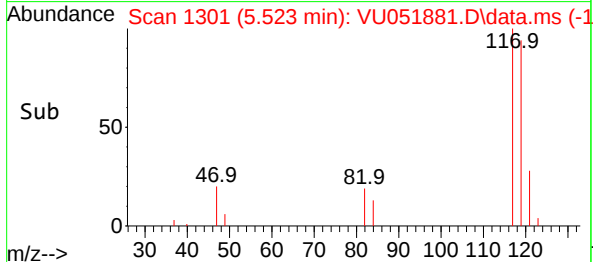
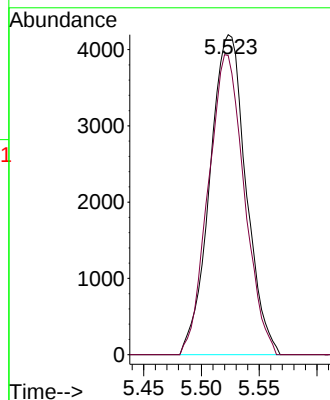
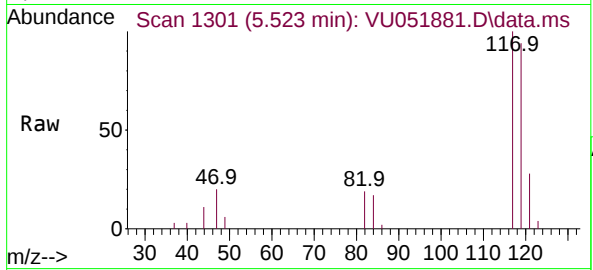




#31
Carbon tetrachloride
Concen: 2.184 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

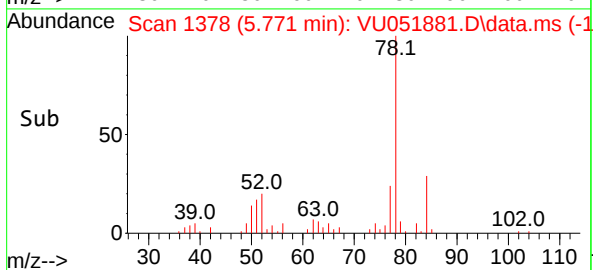
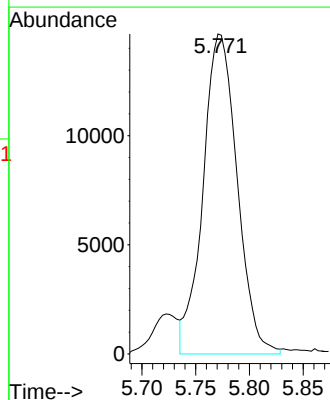
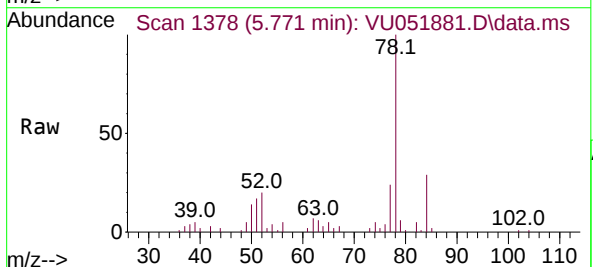
Instrument :
MSVOA_U
ClientSampleId :
MDL02

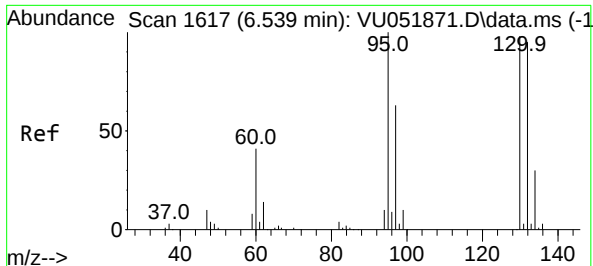
Tgt Ion:117 Resp: 9156
Ion Ratio Lower Upper
117 100
119 93.0 75.6 113.4



#33
Benzene
Concen: 2.271 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion: 78 Resp: 32399





#34

Trichloroethene

Concen: 2.154 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 95 Resp: 7282

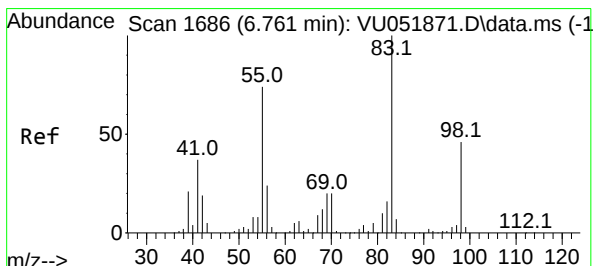
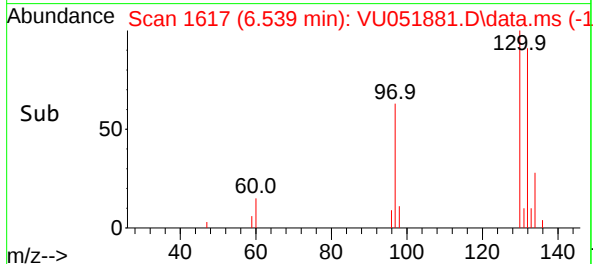
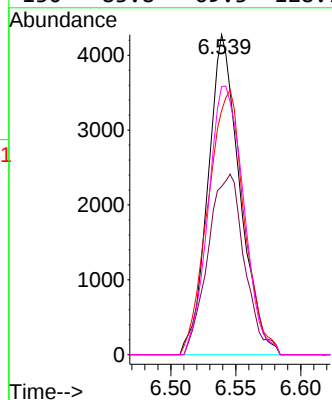
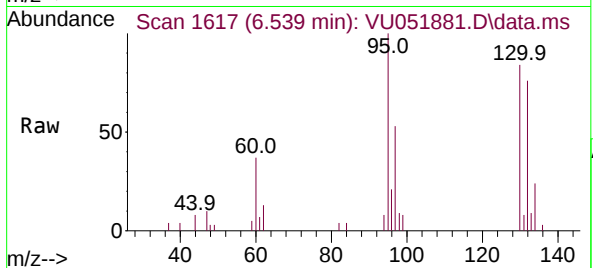
Ion Ratio Lower Upper

95 100

97 52.6 45.8 85.0

132 76.3 65.3 121.3

130 83.8 69.3 128.7



#35

Methylcyclohexane

Concen: 1.945 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

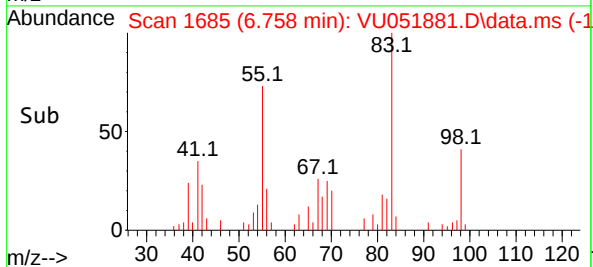
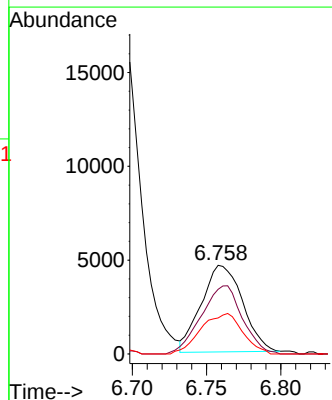
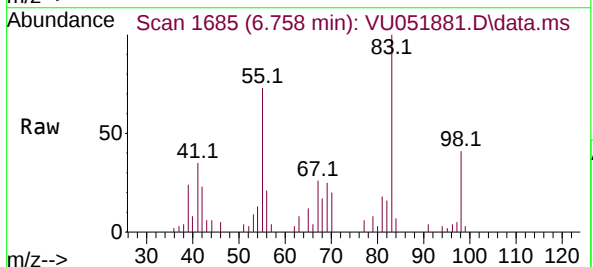
Tgt Ion: 83 Resp: 8915

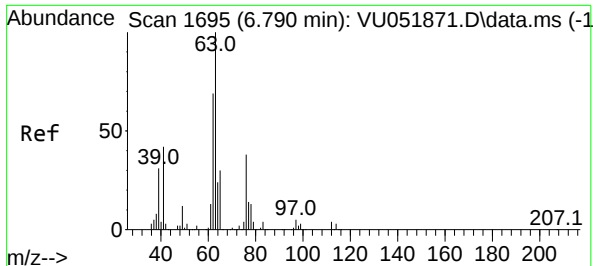
Ion Ratio Lower Upper

83 100

55 78.5 60.0 90.0

98 47.4 35.8 53.8





#37

1,2-Dichloropropane

Concen: 2.249 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

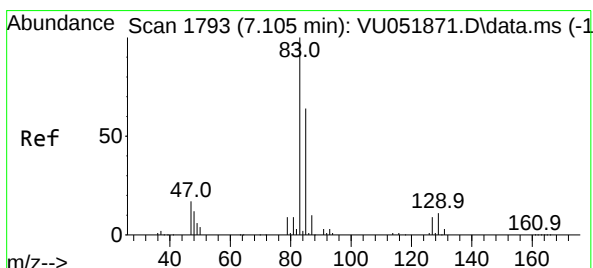
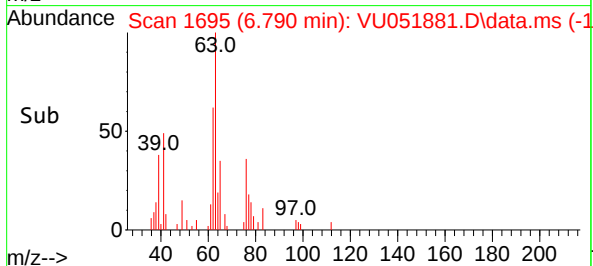
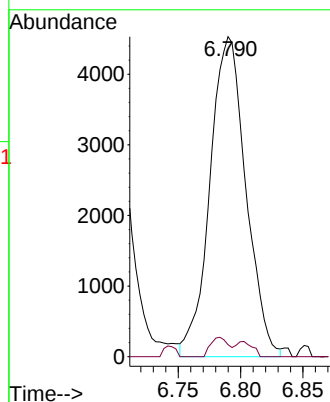
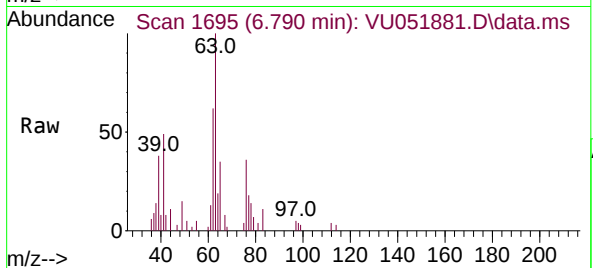
MDL02

Tgt Ion: 63 Resp: 9089

Ion Ratio Lower Upper

63 100

112 3.0 3.0 4.6#



#38

Bromodichloromethane

Concen: 2.124 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

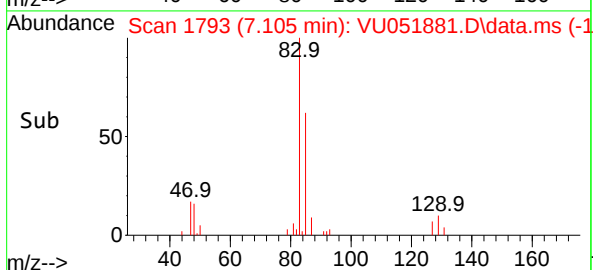
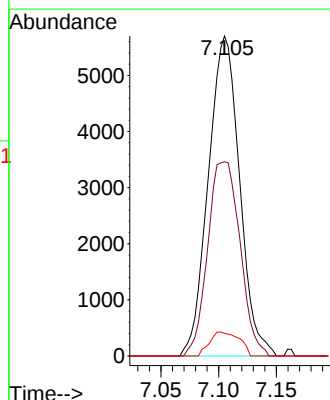
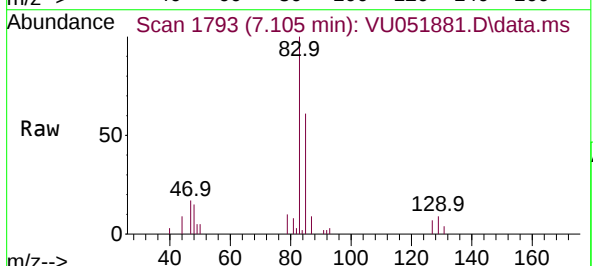
Tgt Ion: 83 Resp: 10736

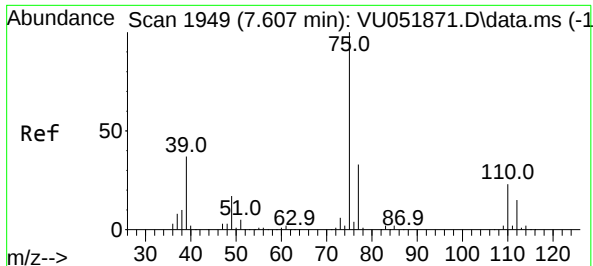
Ion Ratio Lower Upper

83 100

85 60.6 44.6 82.8

127 7.0 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.077 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

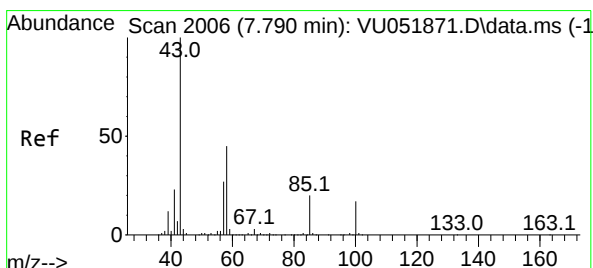
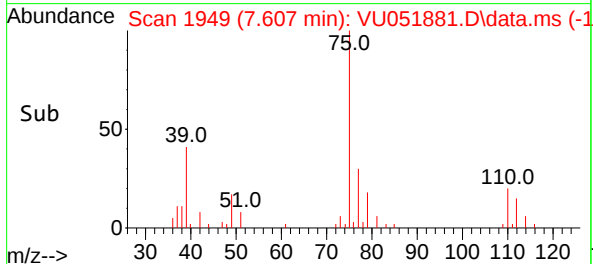
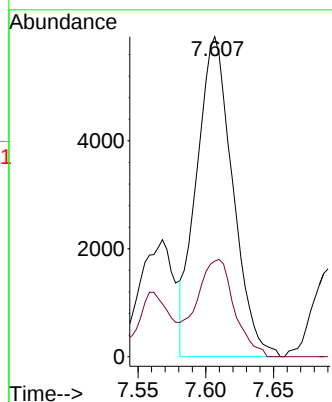
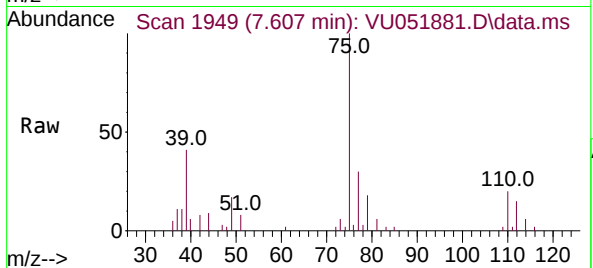
MDL02

Tgt Ion: 75 Resp: 10978

Ion Ratio Lower Upper

75 100

77 29.8 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 3.694 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

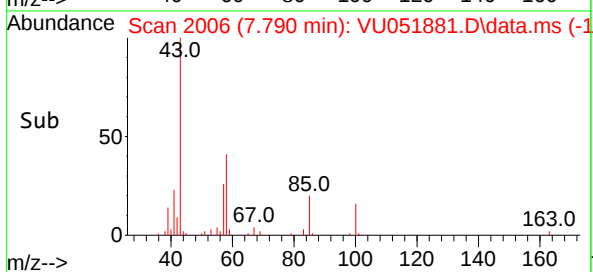
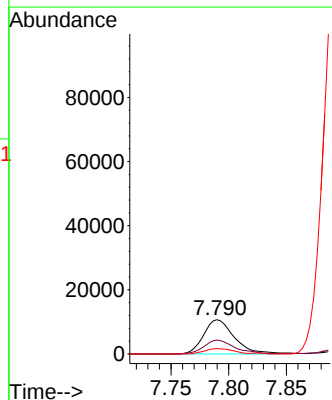
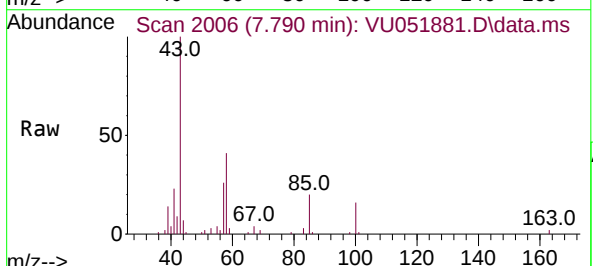
Tgt Ion: 43 Resp: 19656

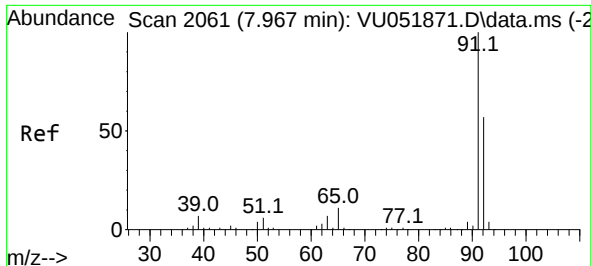
Ion Ratio Lower Upper

43 100

58 40.6 35.4 53.2

100 14.7 13.4 20.0





#42

Toluene

Concen: 2.101 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

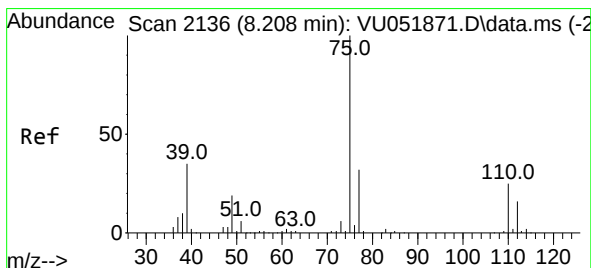
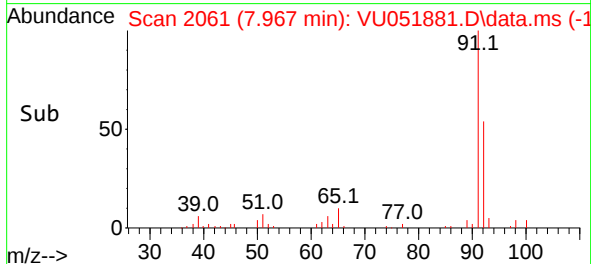
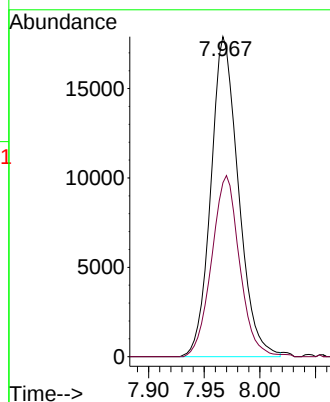
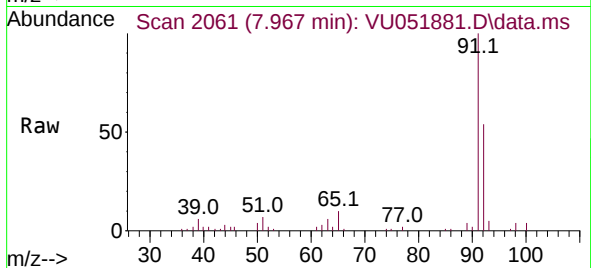
MDL02

Tgt Ion: 91 Resp: 30838

Ion Ratio Lower Upper

91 100

92 54.4 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 2.564 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051881.D

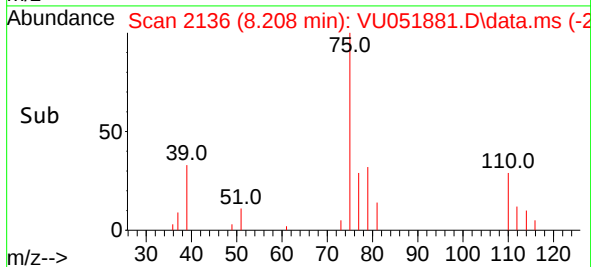
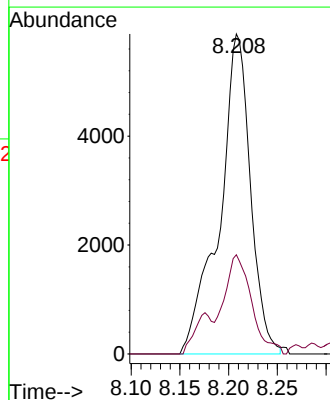
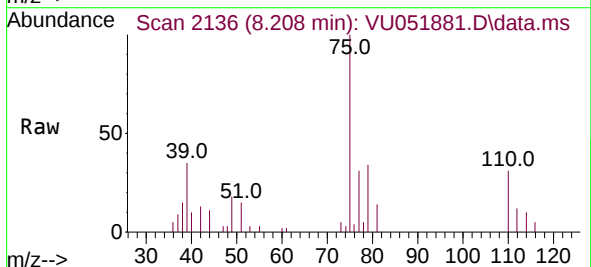
Acq: 16 Nov 2022 13:58

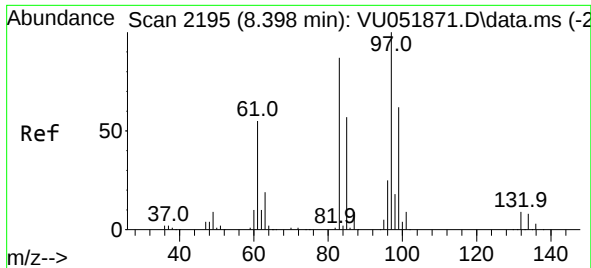
Tgt Ion: 75 Resp: 12987

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6

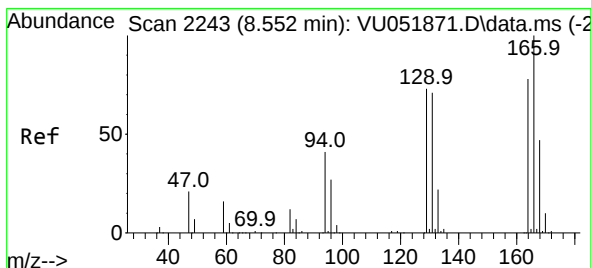
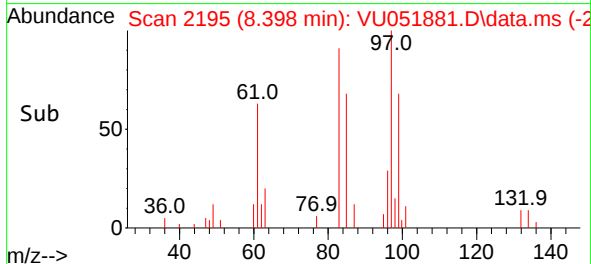
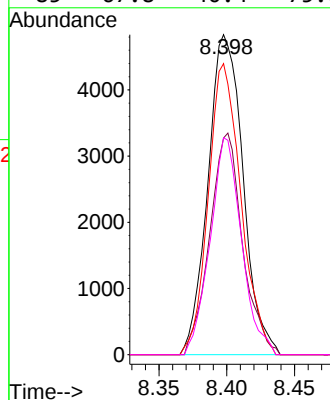
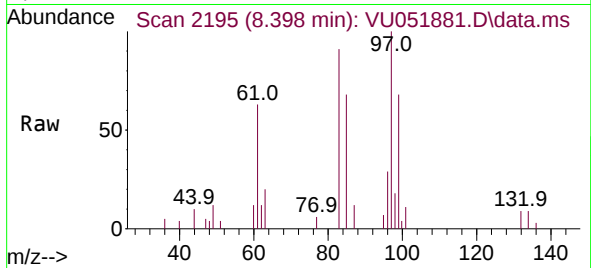




#45
1,1,2-Trichloroethane
Concen: 2.118 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

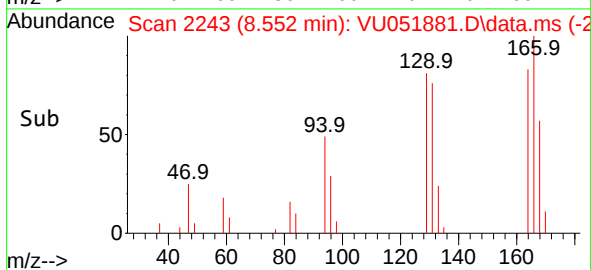
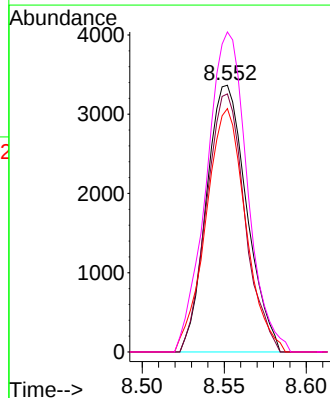
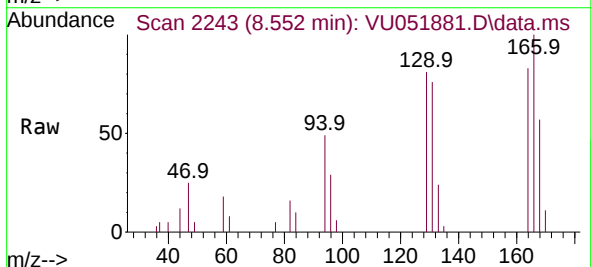
Instrument :
MSVOA_U
ClientSampleId :
MDL02

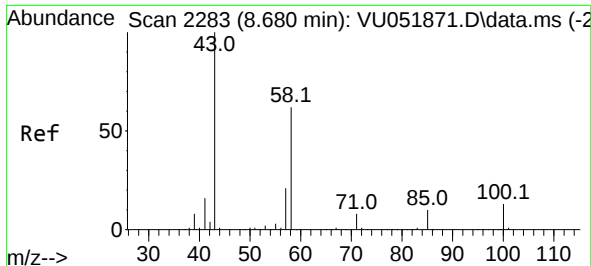
Tgt Ion: 97	Resp: 8697
Ion Ratio	Lower Upper
97 100	
99 67.7	44.3 82.3
83 91.0	62.3 115.7
85 67.8	40.4 75.0



#46
Tetrachloroethene
Concen: 2.123 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt	Ion:164	Resp:	5732
Ion	Ratio	Lower	Upper
164	100		
129	96.8	68.5	127.1
131	91.2	66.6	123.8
166	120.0	91.9	170.7

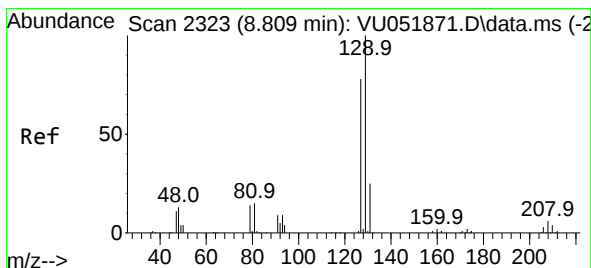
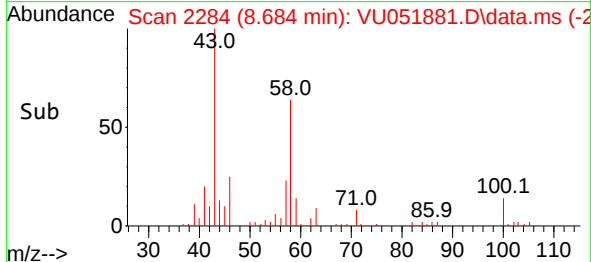
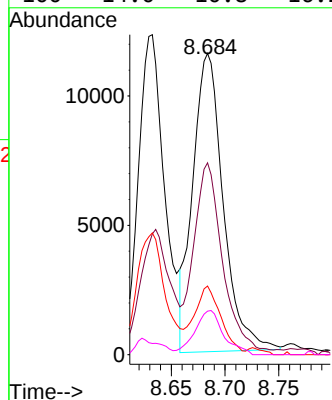
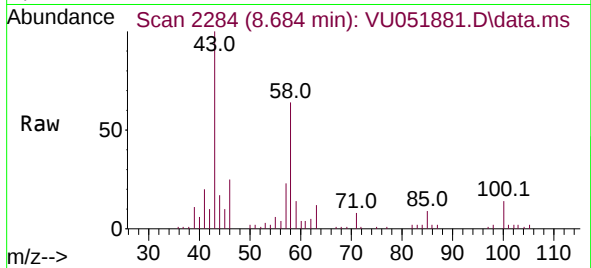




#48
2-Hexanone
Concen: 4.979 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

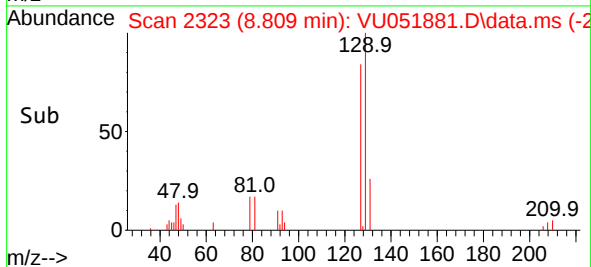
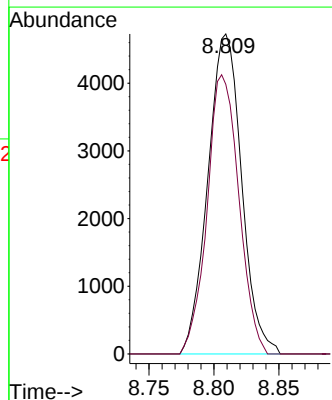
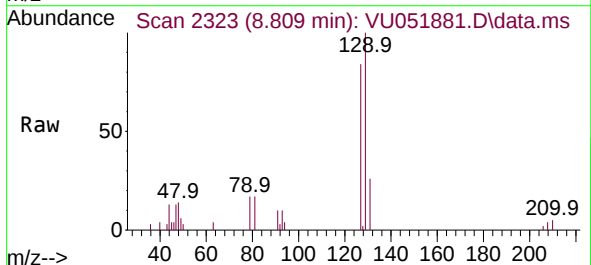
Instrument :
MSVOA_U
ClientSampleId :
MDL02

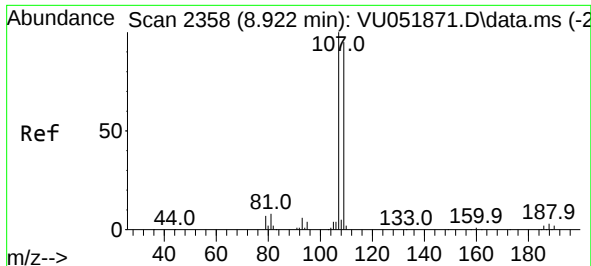
Tgt Ion:	43	Resp:	22755
Ion	Ratio	Lower	Upper
43	100		
58	58.3	50.6	76.0
57	20.3	16.8	25.2
100	14.0	10.8	16.2



#49
Dibromochloromethane
Concen: 2.019 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion:	129	Resp:	8546
Ion	Ratio	Lower	Upper
129	100		
127	84.3	54.4	101.0





#50

1,2-Dibromoethane

Concen: 2.156 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

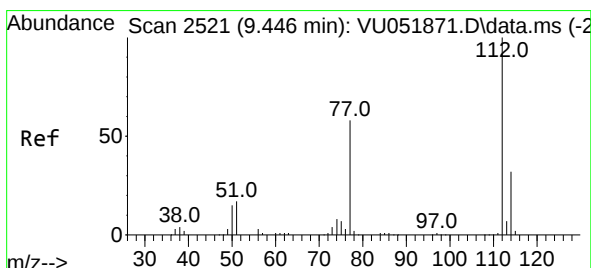
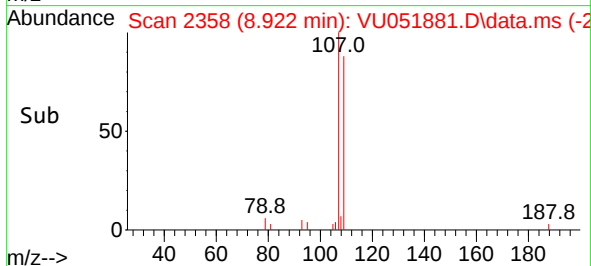
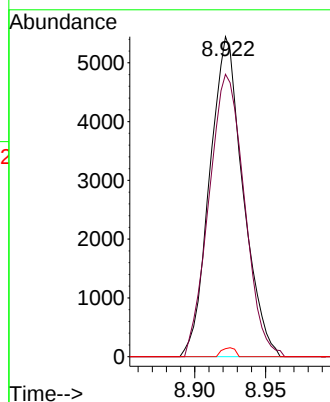
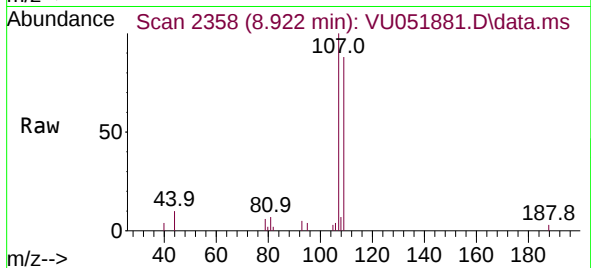
Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:	107	Resp:	8912
Ion	Ratio	Lower	Upper
107	100		
109	88.2	65.0	120.6
188	2.5	2.9	4.3#



#51

Chlorobenzene

Concen: 2.153 ug/L

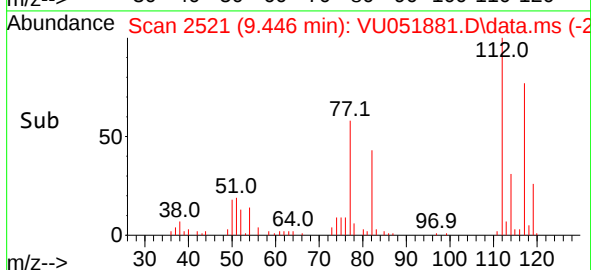
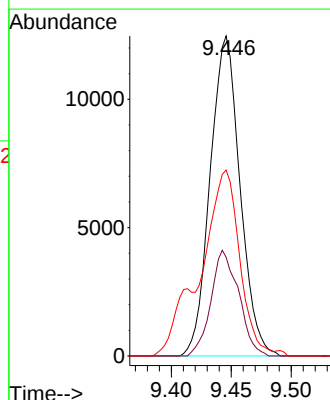
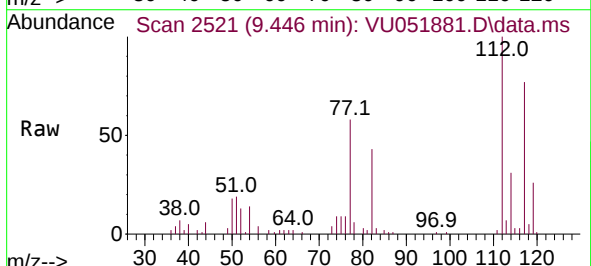
RT: 9.446 min Scan# 2521

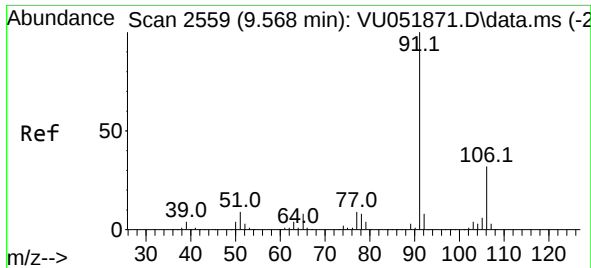
Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Tgt Ion:	112	Resp:	21593
Ion	Ratio	Lower	Upper
112	100		
114	30.8	22.2	41.2
77	58.1	46.7	70.1

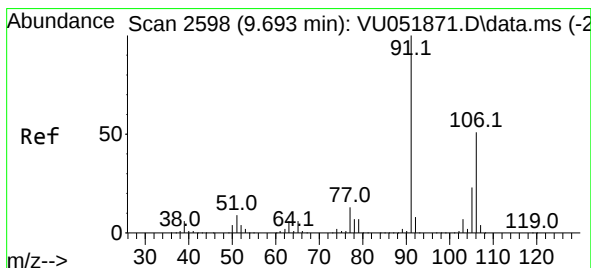
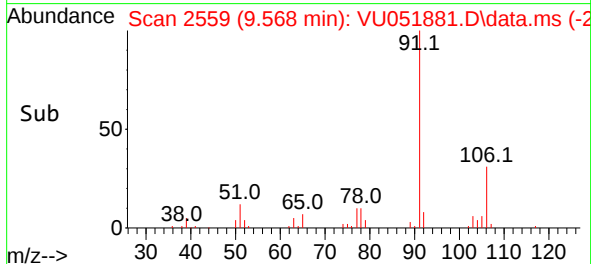
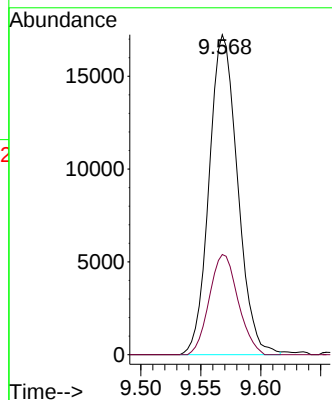
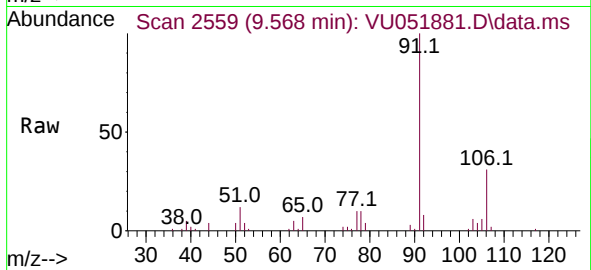




#52
Ethylbenzene
Concen: 1.894 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

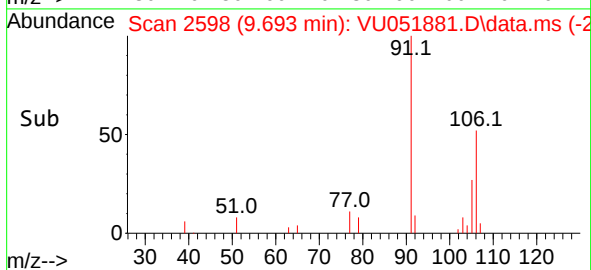
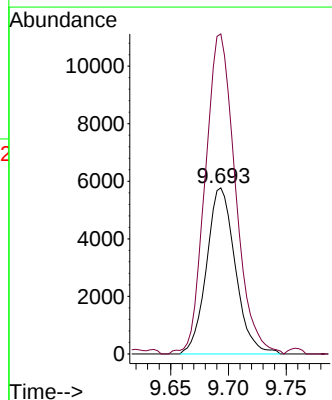
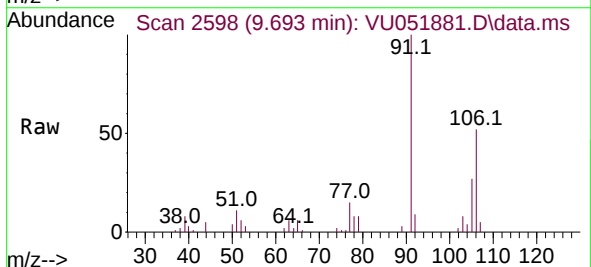
Instrument :
MSVOA_U
ClientSampleId :
MDL02

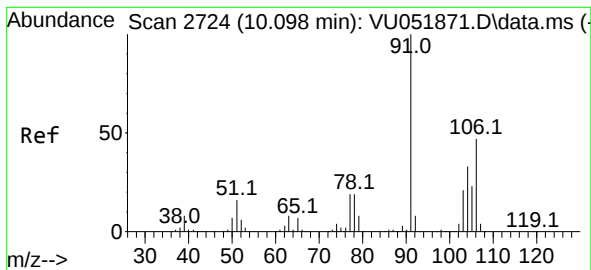
Tgt Ion: 91 Resp: 28444
Ion Ratio Lower Upper
91 100
106 31.3 21.3 39.6



#53
m,p-Xylene
Concen: 1.717 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion: 106 Resp: 9985
Ion Ratio Lower Upper
106 100
91 192.7 141.7 263.3





#54

o-Xylene

Concen: 1.701 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

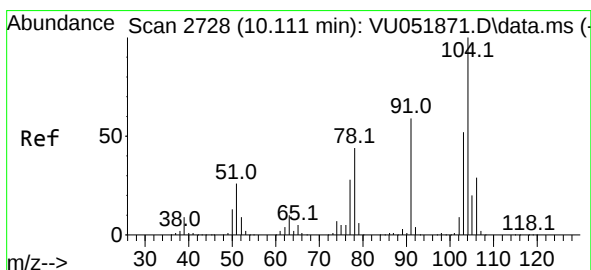
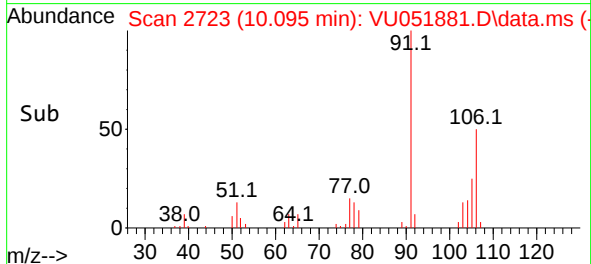
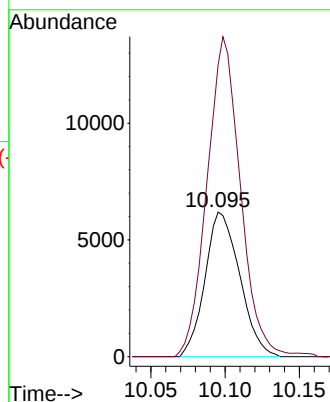
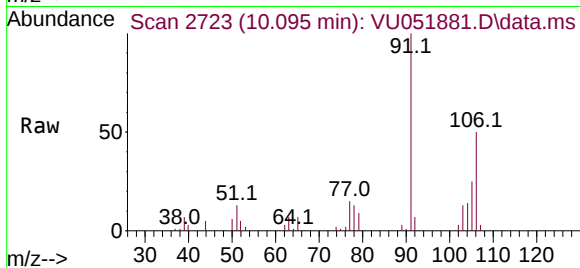
MDL02

Tgt Ion:106 Resp: 10064

Ion Ratio Lower Upper

106 100

91 201.9 149.7 278.1



#55

Styrene

Concen: 1.466 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VU051881.D

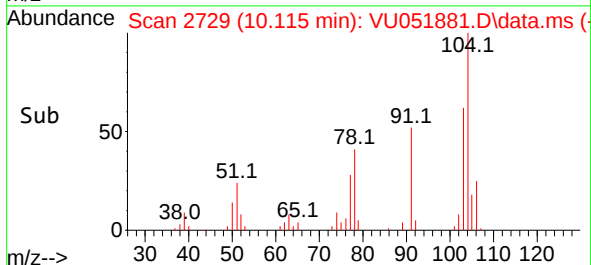
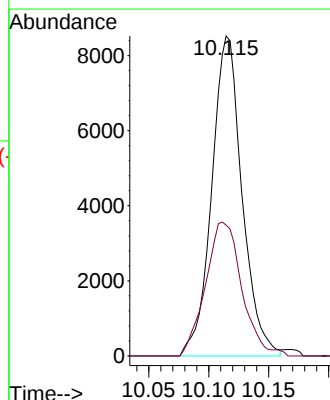
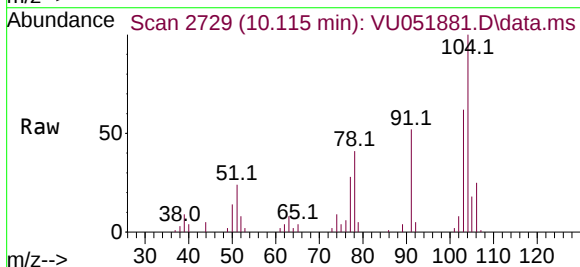
Acq: 16 Nov 2022 13:58

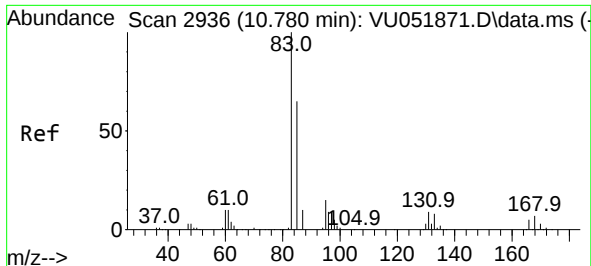
Tgt Ion:104 Resp: 14966

Ion Ratio Lower Upper

104 100

78 40.9 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.213 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL02

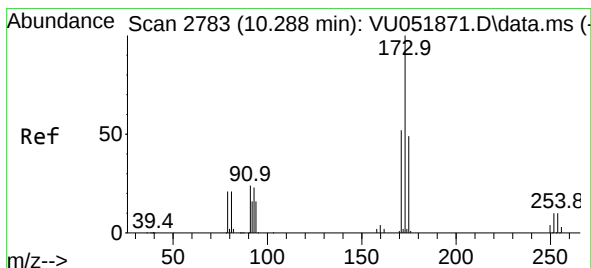
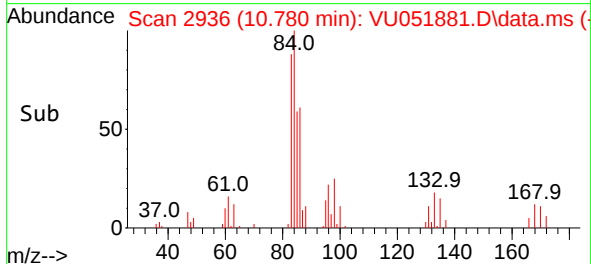
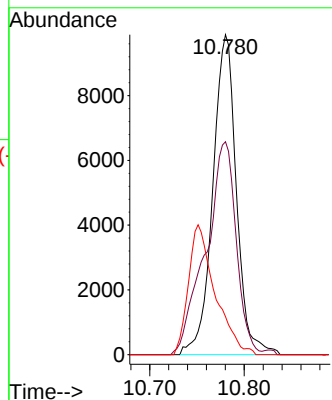
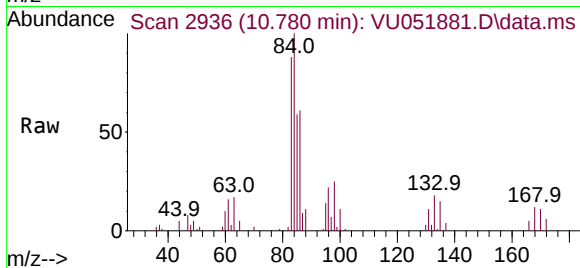
Tgt Ion: 83 Resp: 17173

Ion Ratio Lower Upper

83 100

85 66.5 44.9 83.3

131 11.9 6.8 10.2#



#59

Bromoform

Concen: 2.359 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

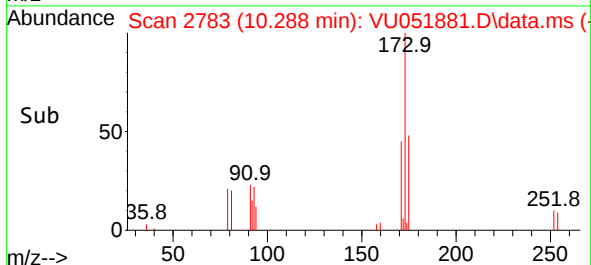
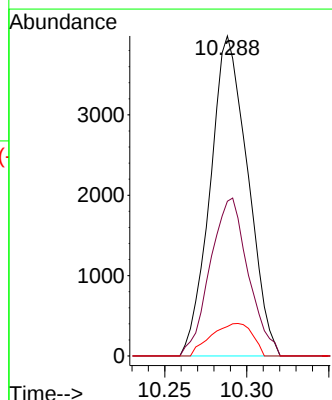
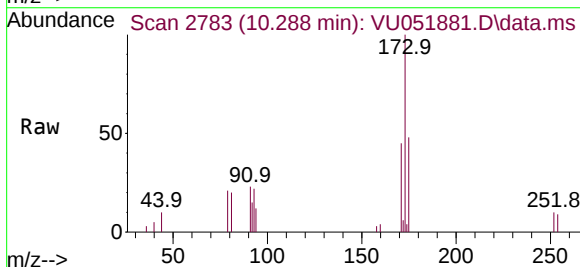
Tgt Ion: 173 Resp: 6314

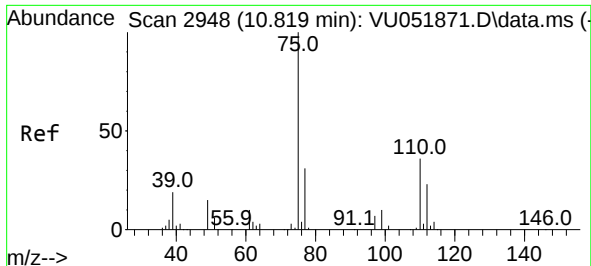
Ion Ratio Lower Upper

173 100

175 50.3 38.9 58.3

254 11.2 7.4 11.2#

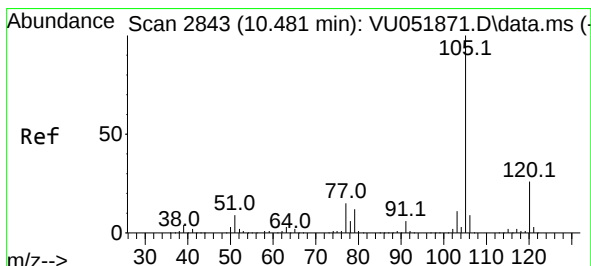
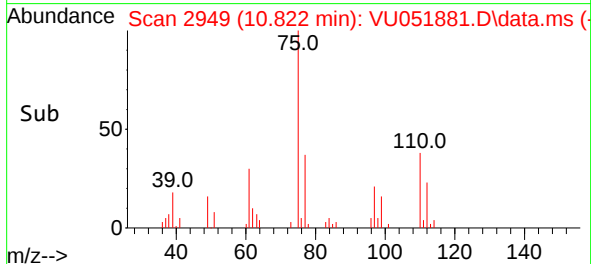
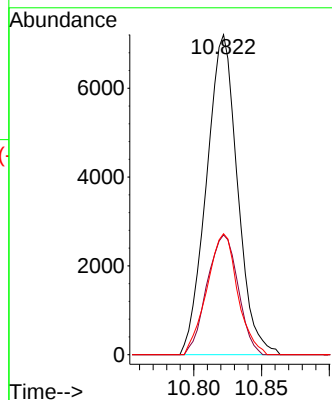
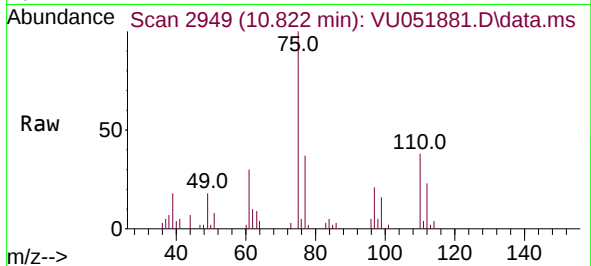




#60
1,2,3-Trichloropropane
Concen: 2.428 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

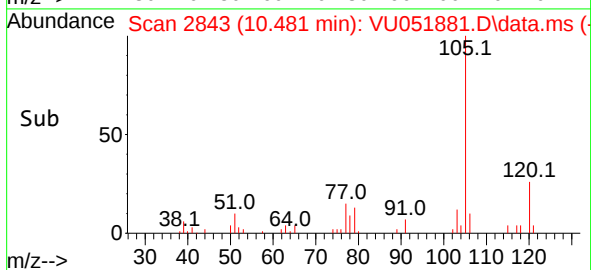
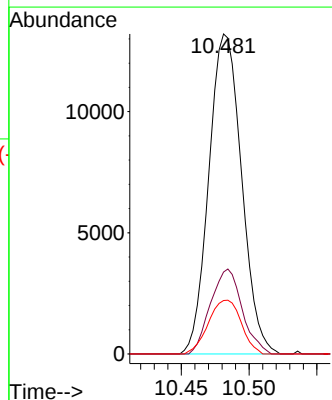
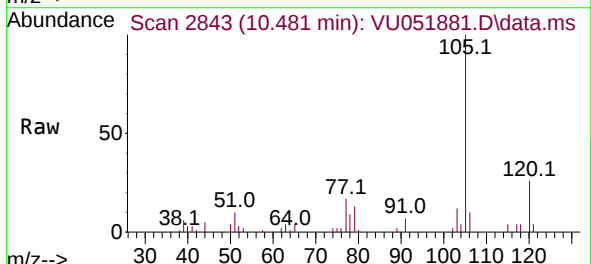
Instrument :
MSVOA_U
ClientSampleId :
MDL02

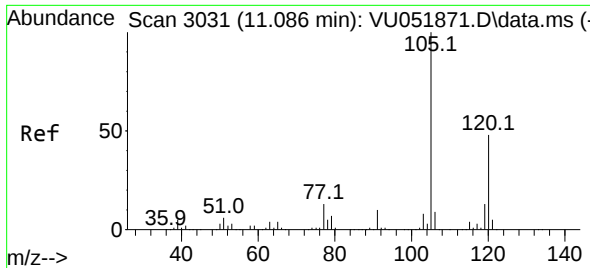
Tgt Ion: 75	Resp: 11465
Ion Ratio	Lower Upper
75 100	
77 37.4	26.2 39.4
110 37.4	29.0 43.4



#61
Isopropylbenzene
Concen: 1.922 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion: 105	Resp: 22175
Ion Ratio	Lower Upper
105 100	
120 25.6	21.1 31.7
77 16.8	12.2 18.4

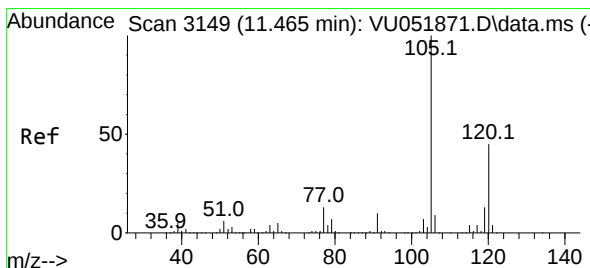
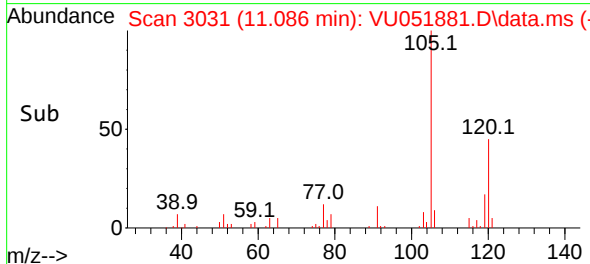
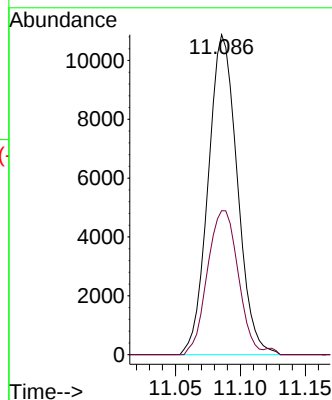
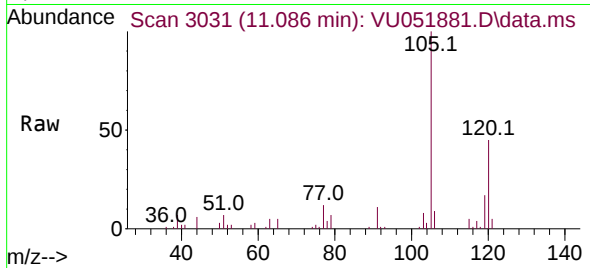




#62
1,3,5-Trimethylbenzene
Concen: 1.805 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

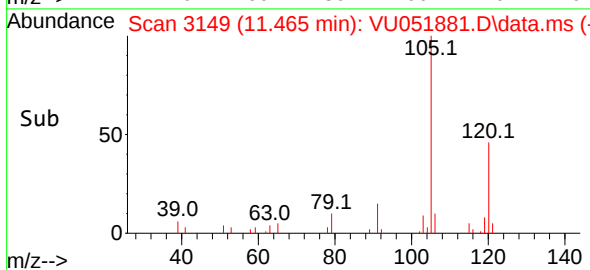
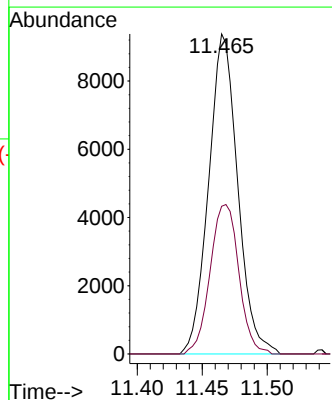
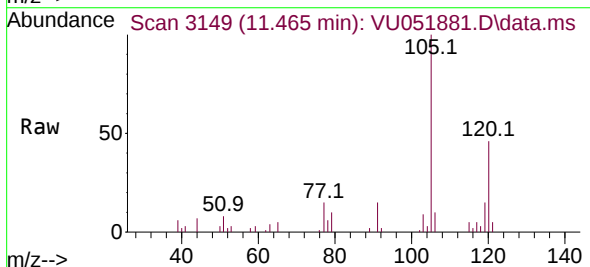
Instrument :
MSVOA_U
ClientSampleId :
MDL02

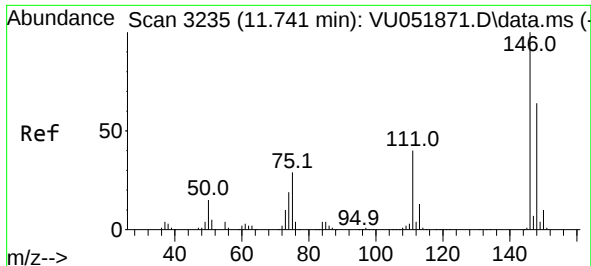
Tgt Ion:105 Resp: 16963
Ion Ratio Lower Upper
105 100
120 47.5 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 1.587 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion:105 Resp: 14578
Ion Ratio Lower Upper
105 100
120 46.2 36.2 54.2

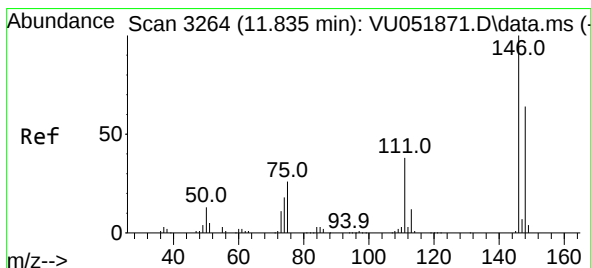
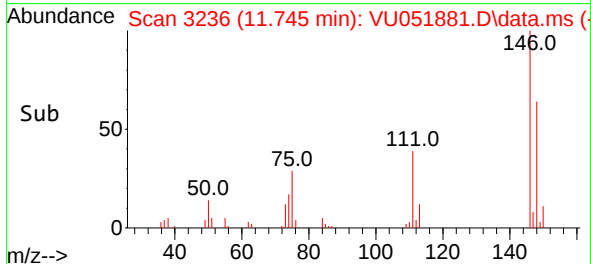
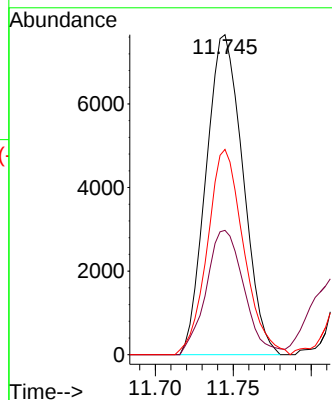
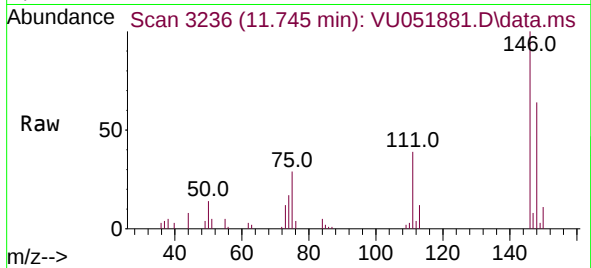




#64
1,3-Dichlorobenzene
Concen: 2.159 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

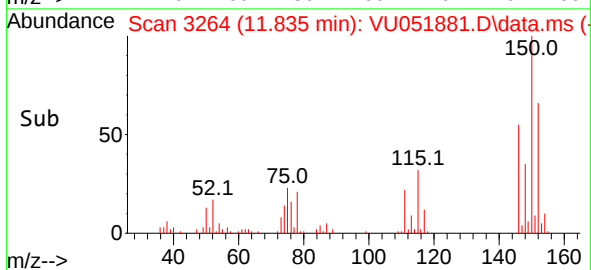
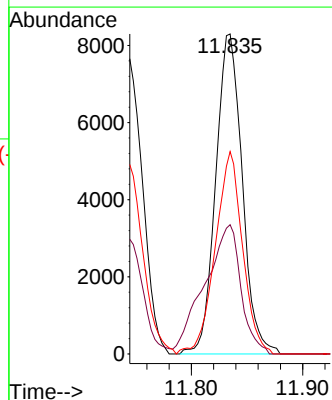
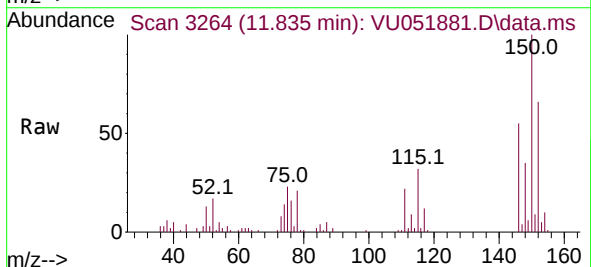
Instrument :
MSVOA_U
ClientSampleId :
MDL02

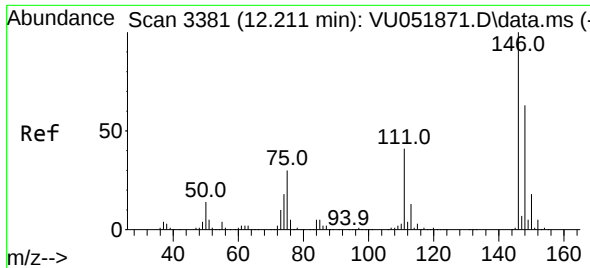
Tgt Ion:146 Resp: 12623
Ion Ratio Lower Upper
146 100
111 38.8 28.1 52.1
148 64.2 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 2.319 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051881.D
Acq: 16 Nov 2022 13:58

Tgt Ion:146 Resp: 13733
Ion Ratio Lower Upper
146 100
111 40.4 26.7 49.5
148 63.2 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.414 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL02

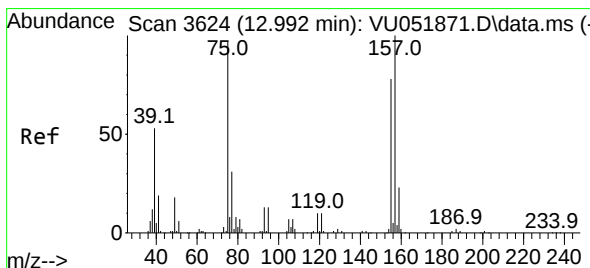
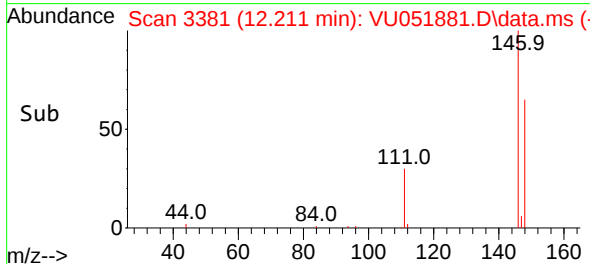
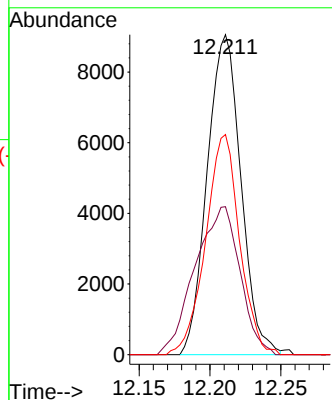
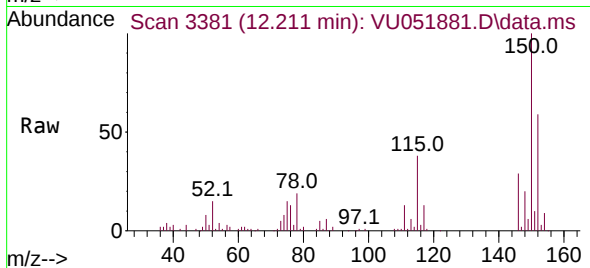
Tgt Ion:146 Resp: 15009

Ion Ratio Lower Upper

146 100

111 46.3 33.6 50.4

148 68.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.410 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

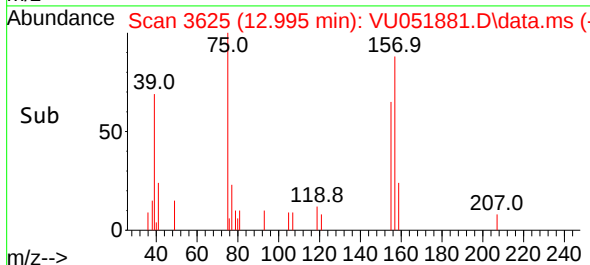
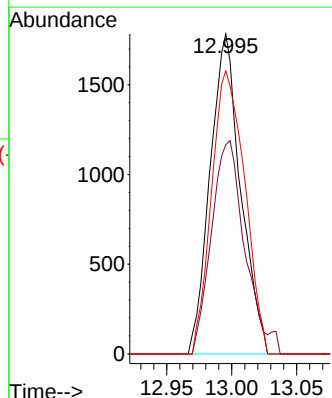
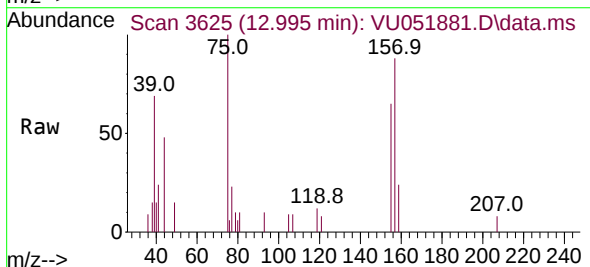
Tgt Ion: 75 Resp: 2913

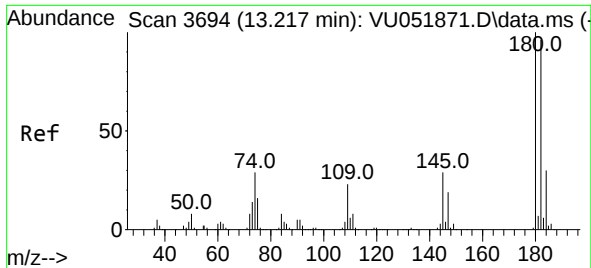
Ion Ratio Lower Upper

75 100

155 61.9 63.0 94.6#

157 83.7 79.4 119.0

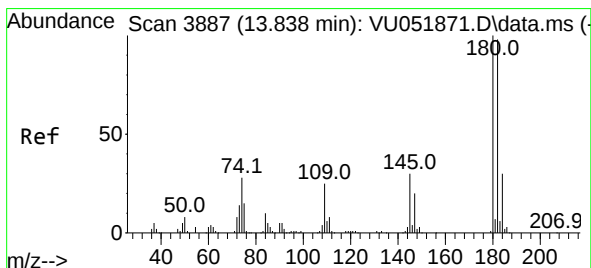
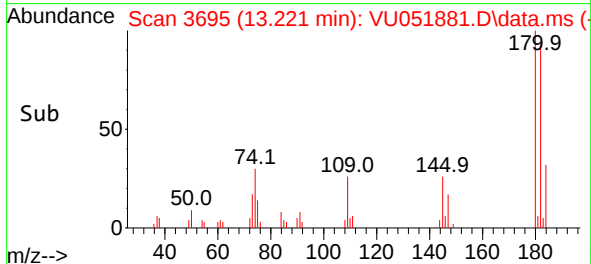
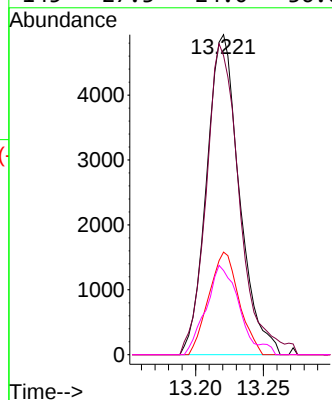
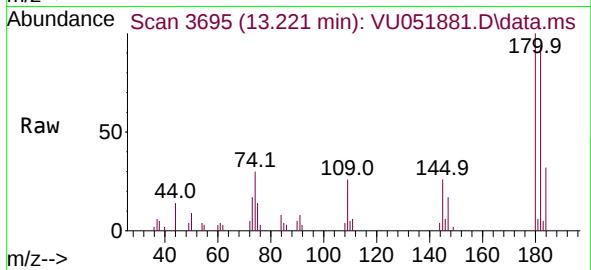




#69
 1,3,5-Trichlorobenzene
 Concen: 2.130 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU051881.D
 Acq: 16 Nov 2022 13:58

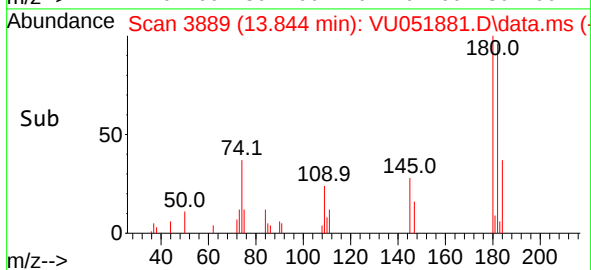
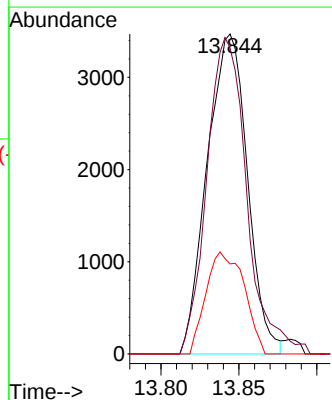
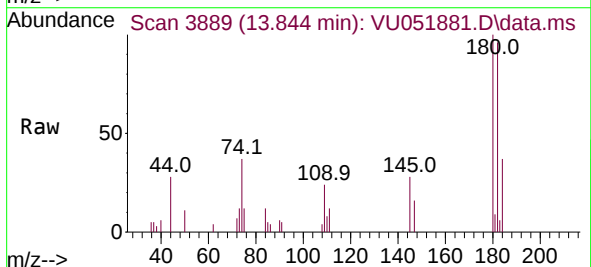
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

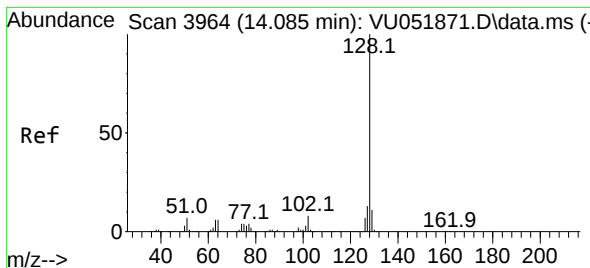
Tgt Ion:180 Resp: 8262
 Ion Ratio Lower Upper
 180 100
 182 98.0 77.0 115.4
 184 29.6 23.8 35.8
 145 27.3 24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 2.026 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.006 min
 Lab File: VU051881.D
 Acq: 16 Nov 2022 13:58

Tgt Ion:180 Resp: 6228
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.4 114.6
 145 30.2 24.2 36.2





#71

Naphthalene

Concen: 1.715 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Instrument :

MSVOA_U

ClientSampleId :

MDL02

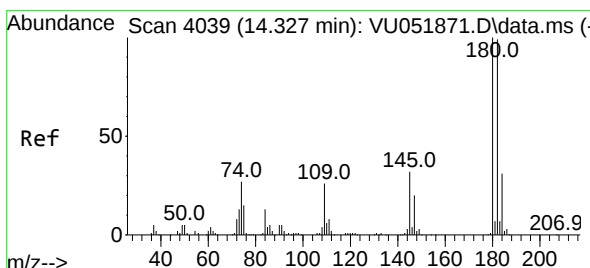
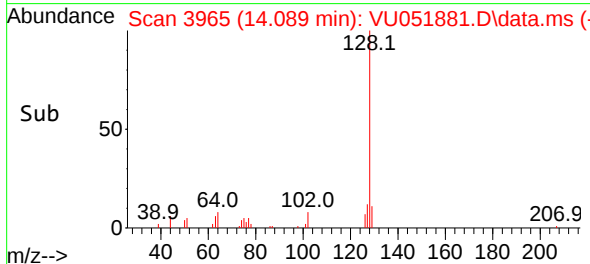
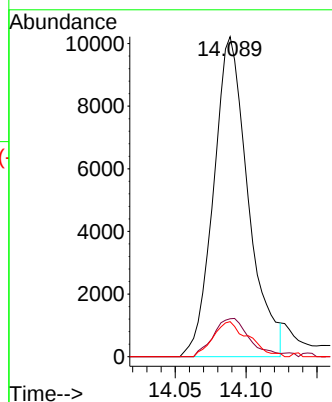
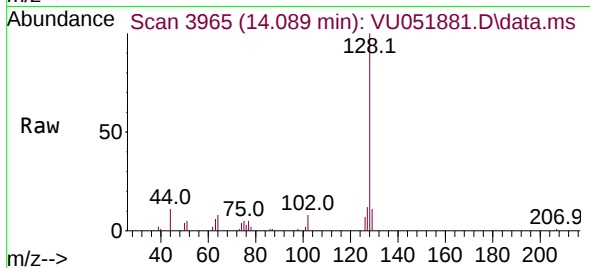
Tgt Ion:128 Resp: 17338

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 2.028 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU051881.D

Acq: 16 Nov 2022 13:58

Tgt Ion:180 Resp: 6826

Ion Ratio Lower Upper

180 100

182 91.6 76.9 115.3

145 30.7 24.9 37.3

