

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051893.D
 Acq On : 17 Nov 2022 13:50
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Quant Time: Nov 18 01:17:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	473471	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	470792	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	195906	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99815	42.942	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.880%		
7) Chloroethane-d5	1.903	69	106911	45.907	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.820%		
11) 1,1-Dichloroethene-d2	2.565	63	126822	30.426	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.860%		
21) 2-Butanone-d5	4.616	46	260667	98.621	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.620%		
24) Chloroform-d	5.060	84	270128	46.359	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.720%		
26) 1,2-Dichloroethane-d4	5.700	65	168843	47.337	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.680%		
32) Benzene-d6	5.726	84	475138	48.403	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.800%		
36) 1,2-Dichloropropane-d6	6.687	67	178453	48.839	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.680%		
41) Toluene-d8	7.896	98	363188	45.076	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.160%		
43) trans-1,3-Dichloroprop...	8.176	79	68108	46.797	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.600%		
47) 2-Hexanone-d5	8.629	63	176153	94.859	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.860%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	332940	46.818	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.640%		
66) 1,2-Dichlorobenzene-d4	12.192	152	179352	52.022	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	6645	2.286	ug/L	100
3) Chloromethane	1.526	50	12348	3.199	ug/L	97
5) Vinyl chloride	1.604	62	10805	2.698	ug/L #	22
6) Bromomethane	1.842	94	5048	2.910	ug/L	95
8) Chloroethane	1.925	64	7648	2.938	ug/L	94
9) Trichlorofluoromethane	2.134	101	11935	2.490	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	9294	3.076	ug/L	86
12) 1,1-Dichloroethene	2.578	96	7821	2.772	ug/L #	1
13) Acetone	2.626	43	10707	3.786	ug/L	100
14) Carbon disulfide	2.790	76	19262	2.464	ug/L	99
15) Methyl Acetate	2.951	43	9365	2.429	ug/L	94
16) Methylene chloride	3.044	84	14820	3.290	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	7573	2.490	ug/L	92
18) Methyl tert-butyl Ether	3.362	73	22136	2.352	ug/L #	84
19) 1,1-Dichloroethane	3.867	63	14700	2.375	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	9302	2.621	ug/L	99
22) 2-Butanone	4.803	43	342	0.107	ug/L	100
23) Bromochloromethane	4.976	128	5051	2.579	ug/L	90
25) Chloroform	5.086	83	18177	2.815	ug/L	99

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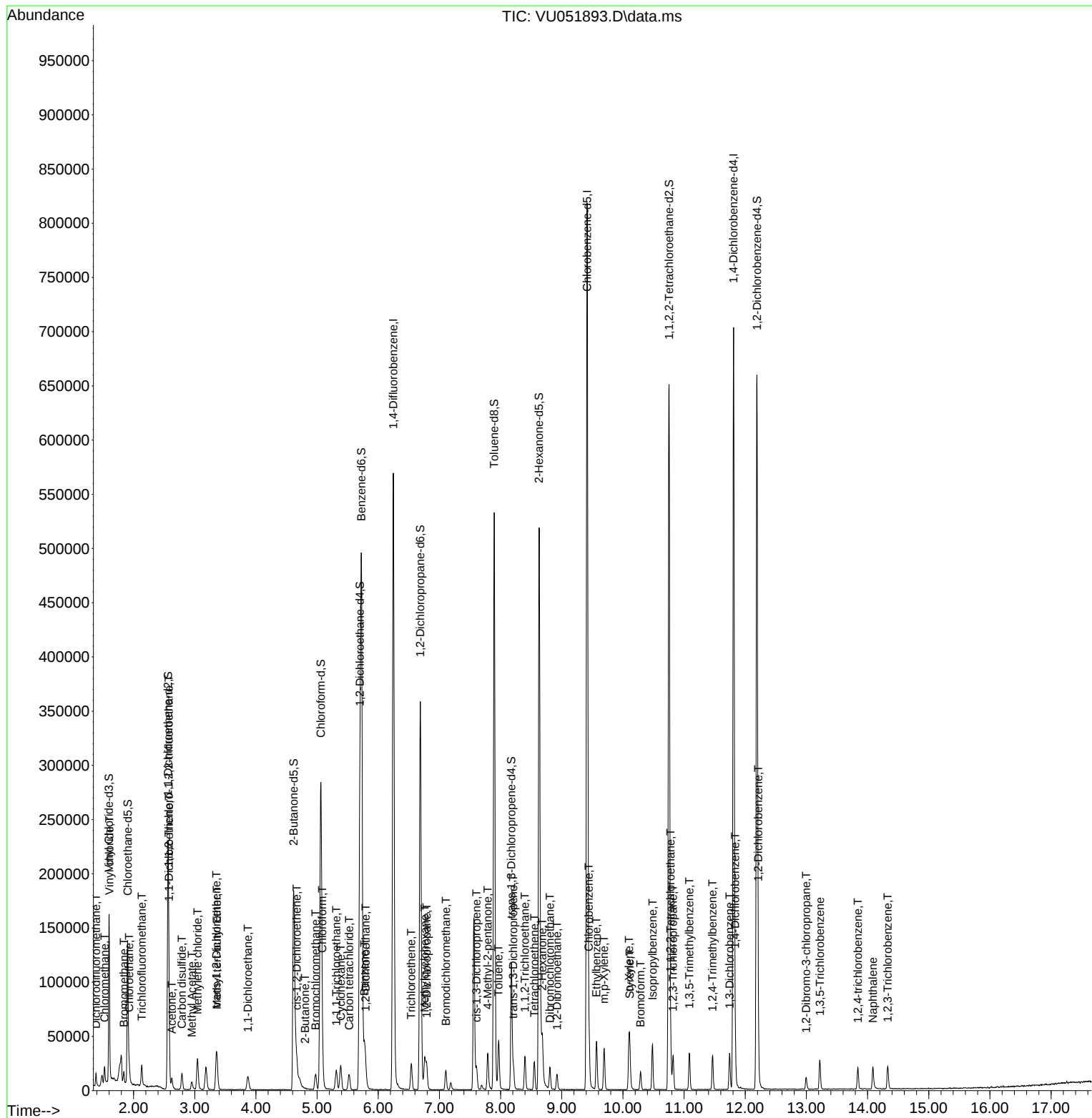
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	13041	2.733	ug/L	100
29) Cyclohexane	5.388	56	8984	2.237	ug/L	93
30) 1,1,1-Trichloroethane	5.314	97	11888	2.498	ug/L	91
31) Carbon tetrachloride	5.523	117	10621	2.669	ug/L	96
33) Benzene	5.774	78	35457	2.618	ug/L	100
34) Trichloroethene	6.539	95	8129	2.534	ug/L	95
35) Methylcyclohexane	6.761	83	10715	2.463	ug/L	96
37) 1,2-Dichloropropane	6.790	63	9906	2.583	ug/L #	94
38) Bromodichloromethane	7.105	83	12501	2.606	ug/L	96
39) cis-1,3-Dichloropropene	7.607	75	11689	2.330	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	21581	4.274	ug/L	96
42) Toluene	7.967	91	33173	2.382	ug/L	94
44) trans-1,3-Dichloropropene	8.208	75	13867	2.885	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	10291	2.641	ug/L	97
46) Tetrachloroethene	8.552	164	6392	2.495	ug/L	92
48) 2-Hexanone	8.684	43	22375	5.159	ug/L	97
49) Dibromochloromethane	8.806	129	9840	2.449	ug/L	99
50) 1,2-Dibromoethane	8.922	107	9666	2.464	ug/L #	89
51) Chlorobenzene	9.443	112	23925	2.514	ug/L	93
52) Ethylbenzene	9.568	91	31322	2.197	ug/L	95
53) m,p-Xylene	9.693	106	11762	2.132	ug/L	99
54) o-Xylene	10.098	106	11044	1.967	ug/L	96
55) Styrene	10.115	104	16315	1.684	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.780	83	18340	2.491	ug/L #	93
59) Bromoform	10.288	173	7623	2.870	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	13438	2.868	ug/L	97
61) Isopropylbenzene	10.484	105	25717	2.246	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	18226	1.954	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	17286	1.896	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	14430	2.487	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	14768	2.513	ug/L	95
67) 1,2-Dichlorobenzene	12.211	146	16951	2.747	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	3092	2.577	ug/L	96
69) 1,3,5-Trichlorobenzene	13.220	180	9311	2.418	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	6952	2.278	ug/L	96
71) Naphthalene	14.089	128	20079	2.001	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	7767	2.325	ug/L #	93

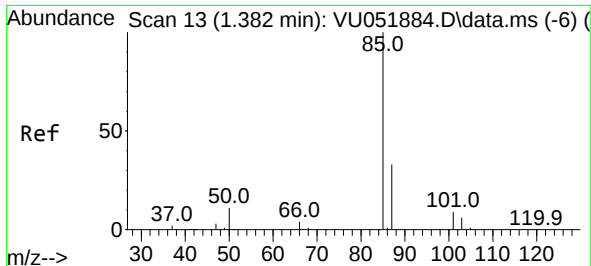
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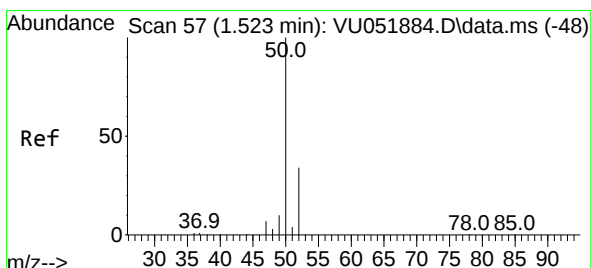
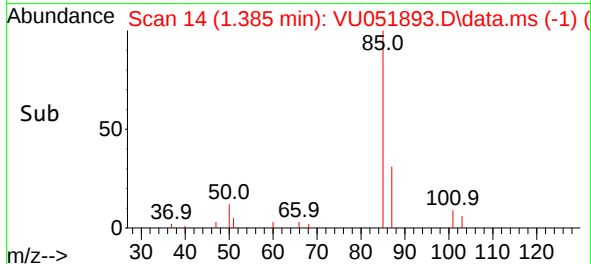
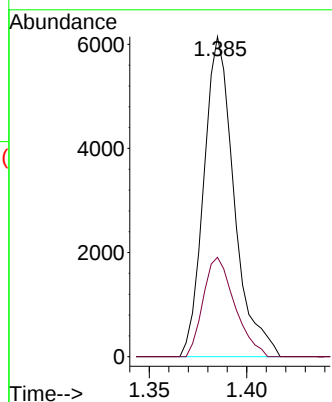
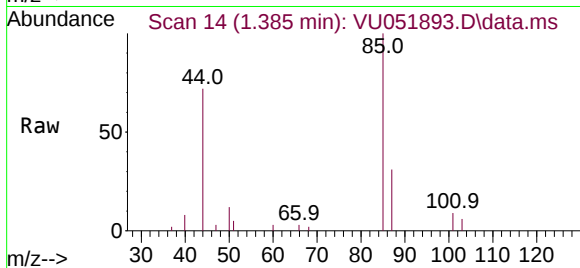




#2
Dichlorodifluoromethane
Concen: 2.286 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

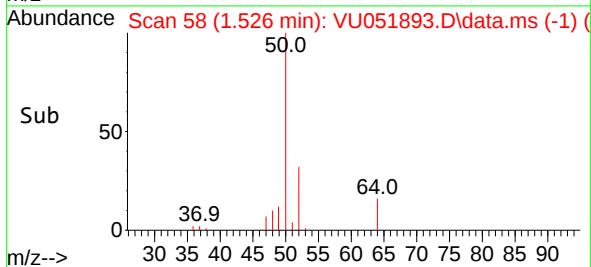
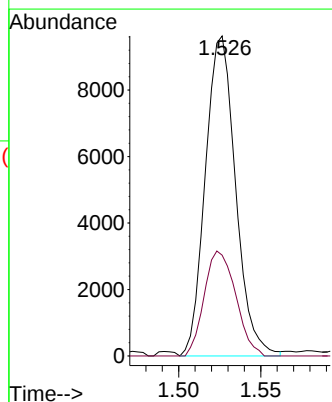
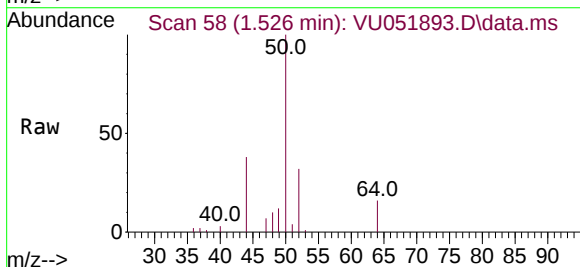
Instrument :
MSVOA_U
ClientSampleId :
MDL04

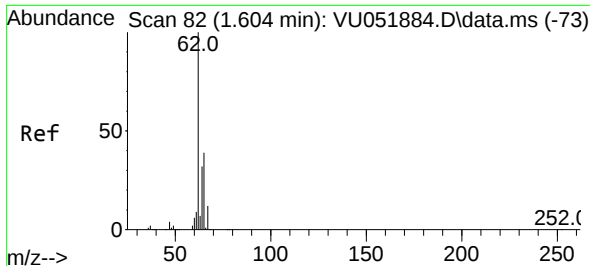
Tgt Ion: 85 Resp: 6645
Ion Ratio Lower Upper
85 100
87 32.3 26.0 39.0



#3
Chloromethane
Concen: 3.199 ug/L
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion: 50 Resp: 12348
Ion Ratio Lower Upper
50 100
52 31.5 23.4 43.6

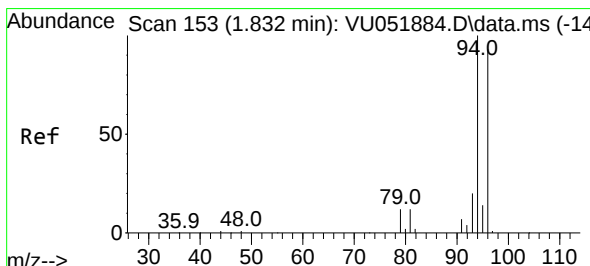
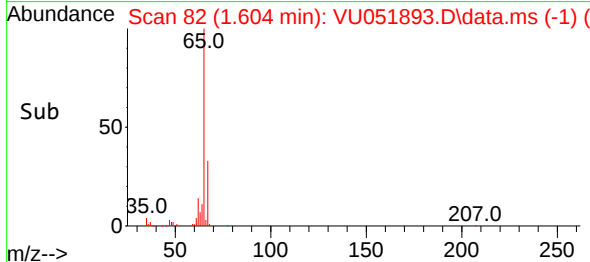
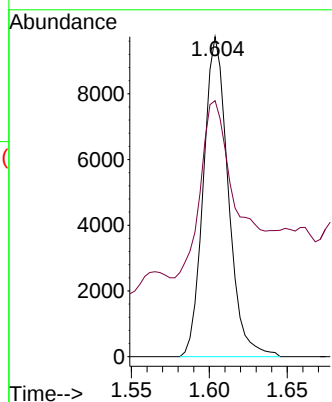
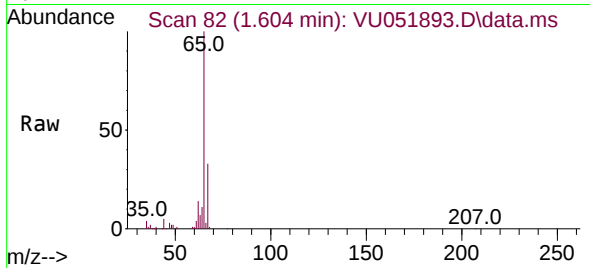




#5
 Vinyl chloride
 Concen: 2.698 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051893.D
 Acq: 17 Nov 2022 13:50

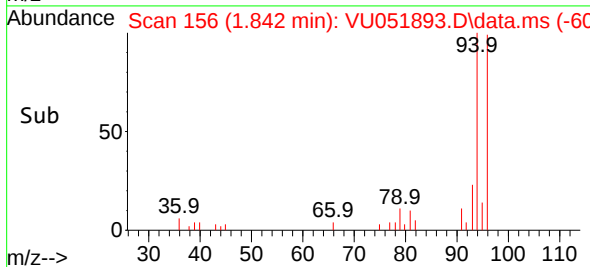
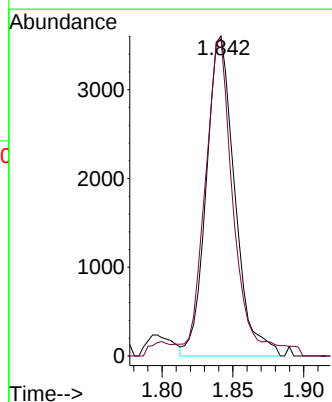
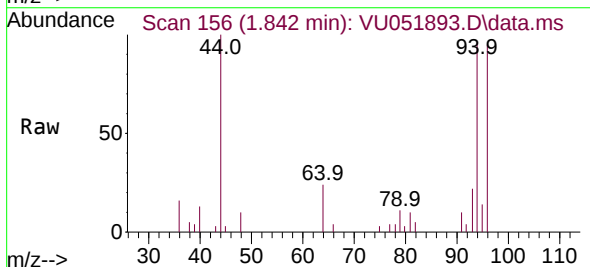
Instrument :
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 ClientSampleId :
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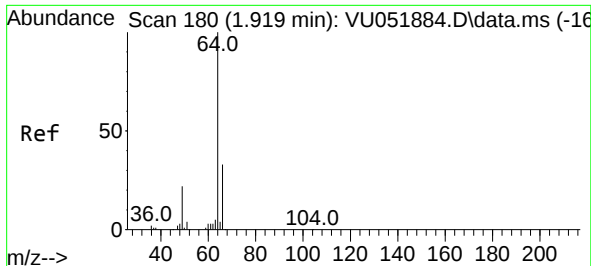
Tgt Ion: 62 Resp: 10805
 Ion Ratio Lower Upper
 62 100
 64 80.0 24.3 45.1#



#6
 Bromomethane
 Concen: 2.910 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.009 min
 Lab File: VU051893.D
 Acq: 17 Nov 2022 13:50

Tgt Ion: 94 Resp: 5048
 Ion Ratio Lower Upper
 94 100
 96 99.1 66.1 122.7

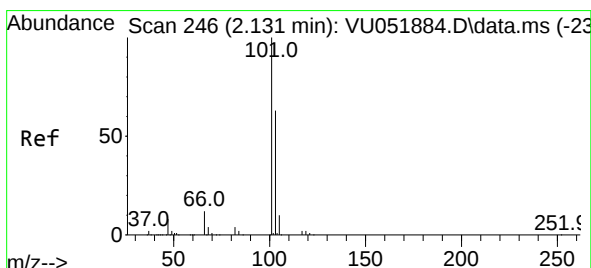
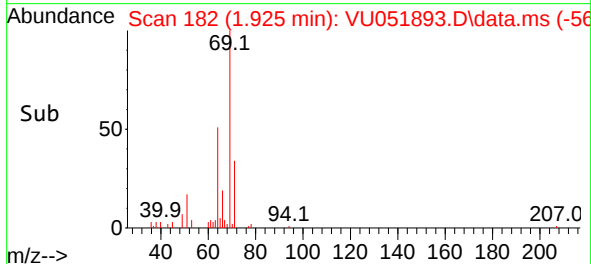
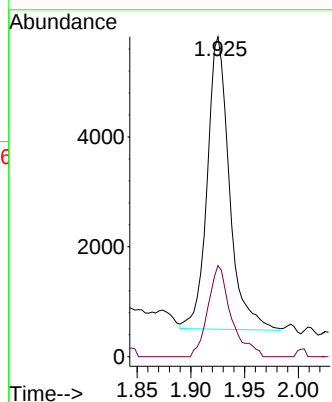
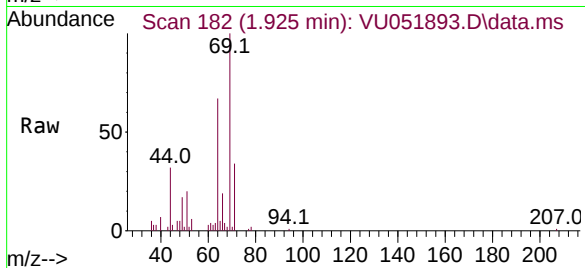




#8
Chloroethane
Concen: 2.938 ug/L
RT: 1.925 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

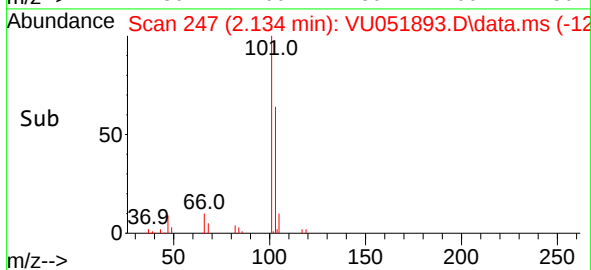
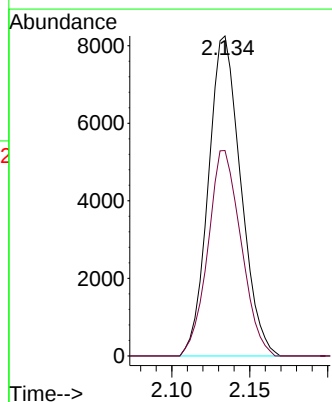
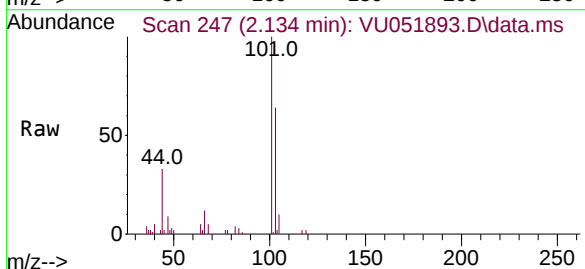
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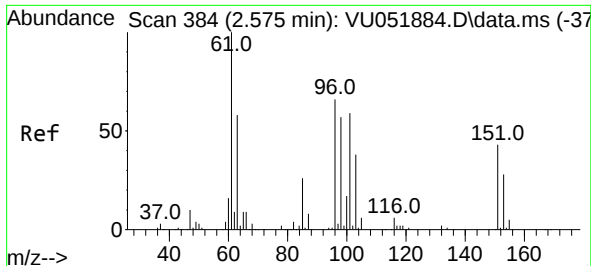
Tgt Ion: 64 Resp: 7648
Ion Ratio Lower Upper
64 100
66 28.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.490 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion: 101 Resp: 11935
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.2

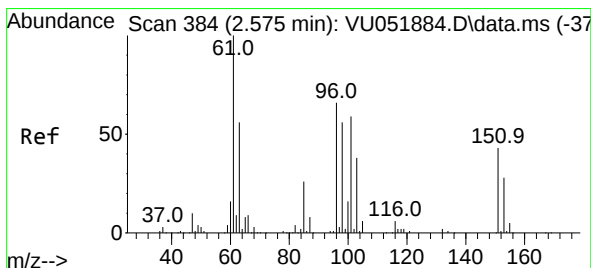
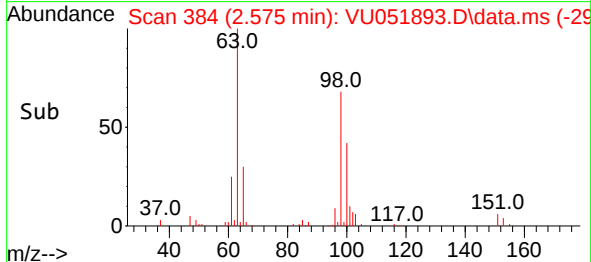
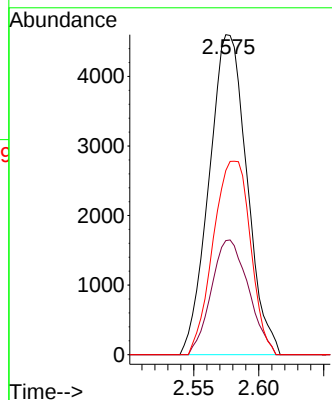
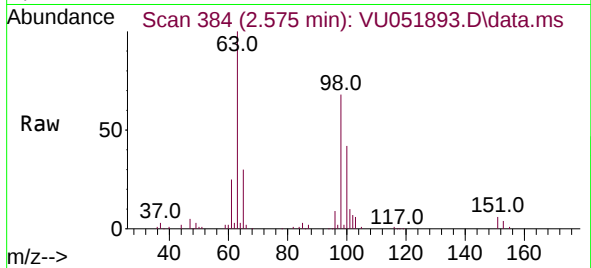




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.076 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU051893.D
 Acq: 17 Nov 2022 13:50

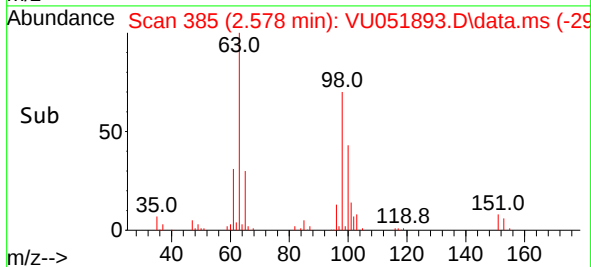
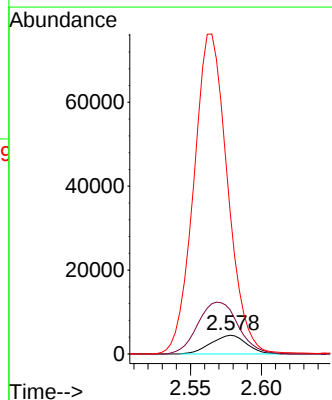
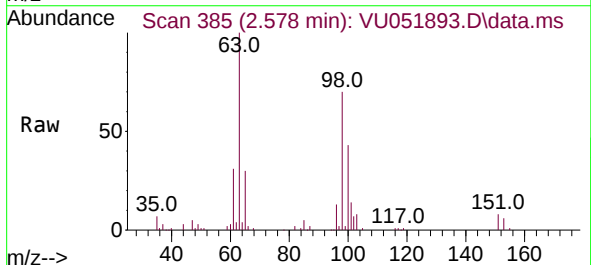
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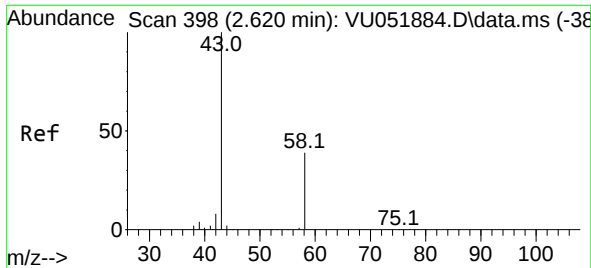
Tgt Ion:101 Resp: 9294
 Ion Ratio Lower Upper
 101 100
 85 35.3 34.2 51.2
 151 59.7 58.3 87.5



#12
 1,1-Dichloroethene
 Concen: 2.772 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU051893.D
 Acq: 17 Nov 2022 13:50

Tgt Ion: 96 Resp: 7821
 Ion Ratio Lower Upper
 96 100
 61 235.5 110.7 205.5#
 63 759.6 68.6 127.4#





#13

Acetone

Concen: 3.786 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.006 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

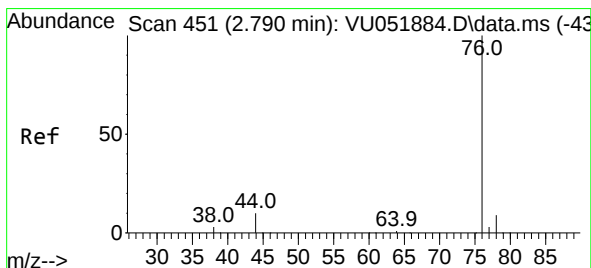
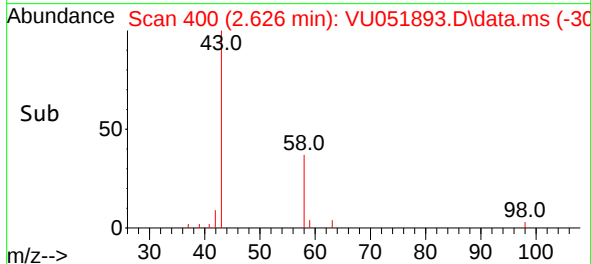
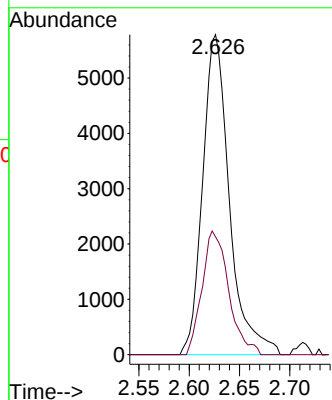
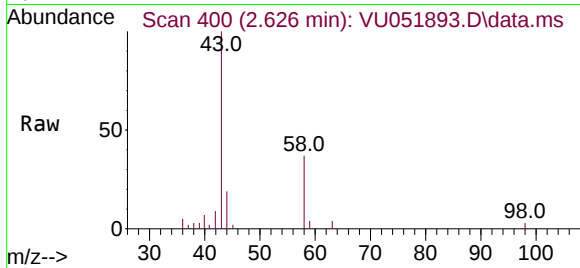
MDL04

Tgt Ion: 43 Resp: 10707

Ion Ratio Lower Upper

43 100

58 37.6 0.0 75.4



#14

Carbon disulfide

Concen: 2.464 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

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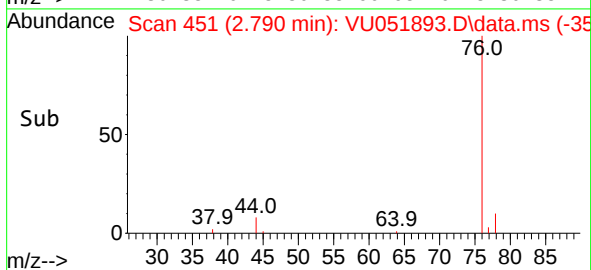
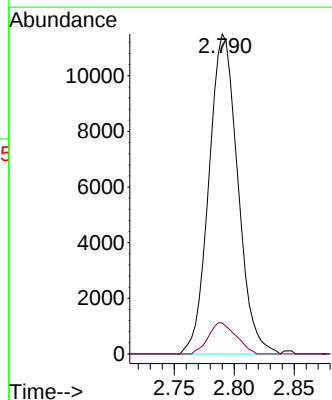
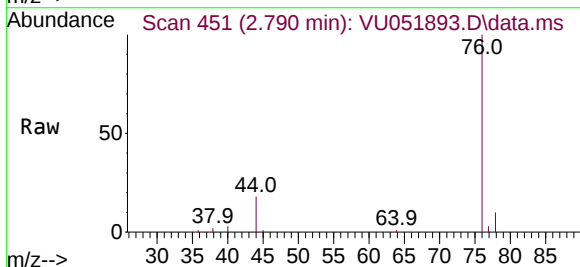
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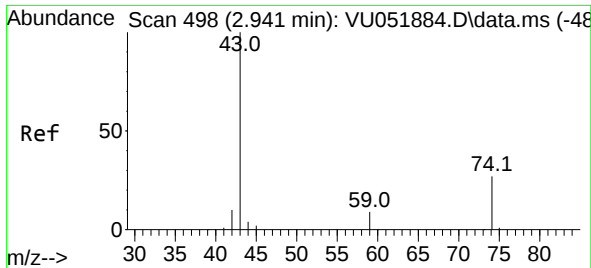
Tgt Ion: 76 Resp: 19262

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

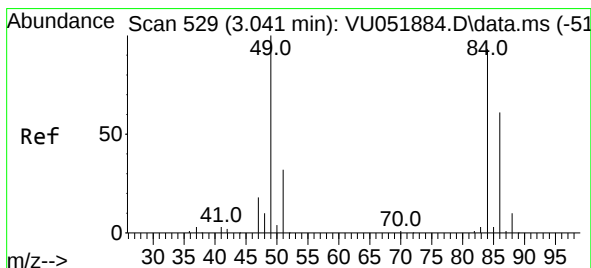
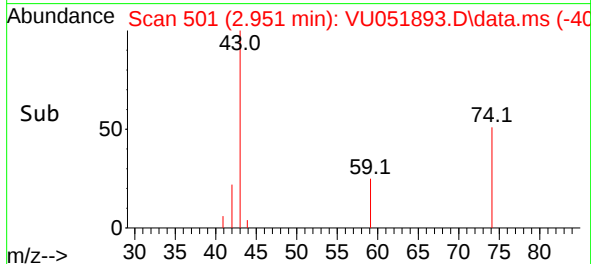
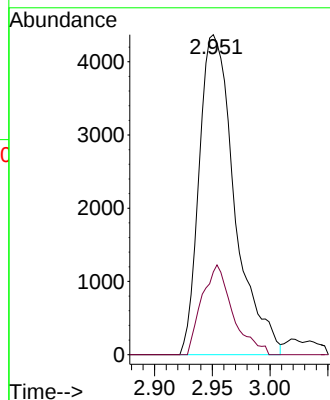
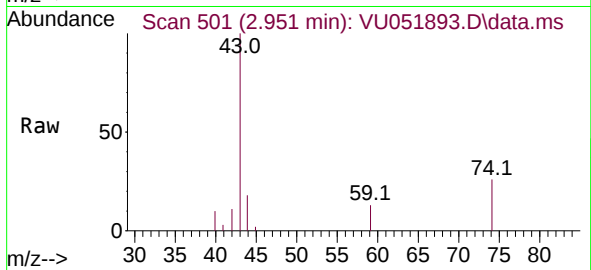




#15
Methyl Acetate
Concen: 2.429 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.009 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

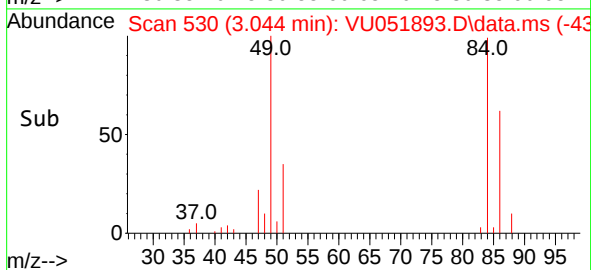
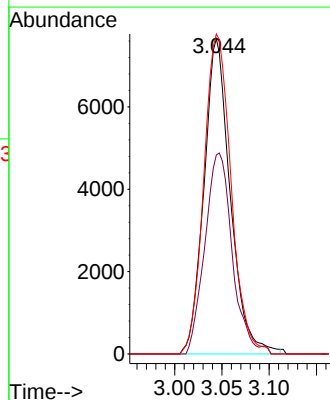
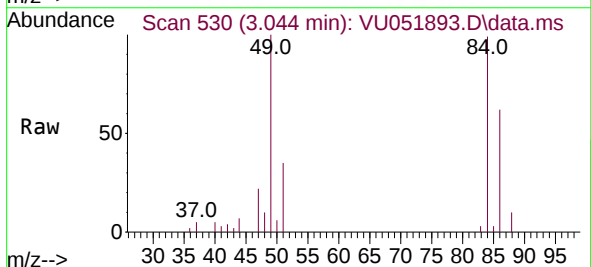
Instrument :
MSVOA_U
ClientSampleId :
MDL04

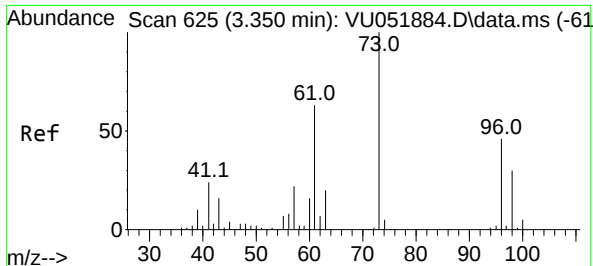
Tgt Ion: 43 Resp: 9365
Ion Ratio Lower Upper
43 100
74 24.1 21.8 32.8



#16
Methylene chloride
Concen: 3.290 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion: 84 Resp: 14820
Ion Ratio Lower Upper
84 100
86 63.1 44.7 82.9
49 101.5 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 2.490 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL04

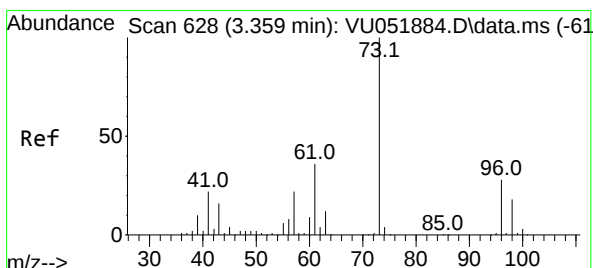
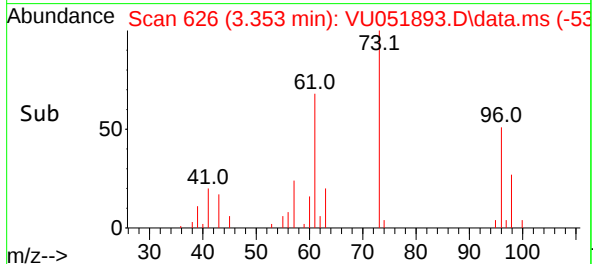
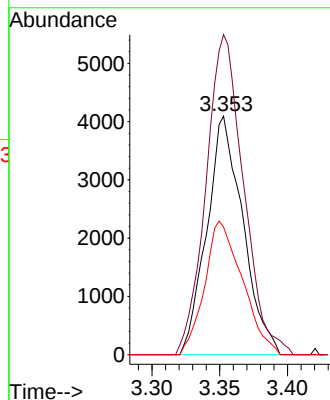
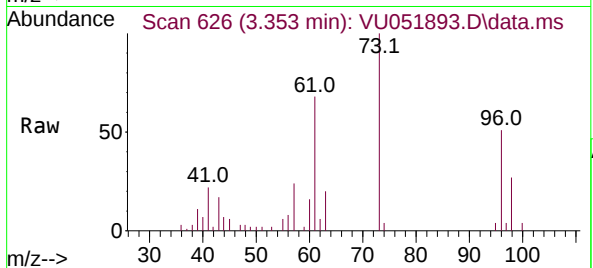
Tgt Ion: 96 Resp: 7573

Ion Ratio Lower Upper

96 100

61 134.1 98.3 182.7

98 53.5 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 2.352 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

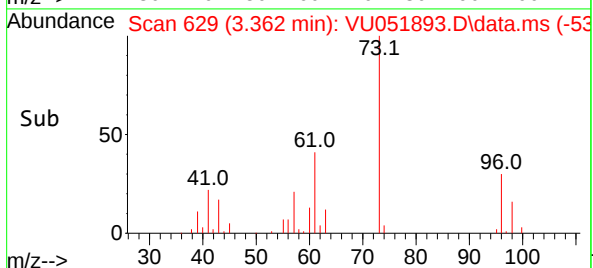
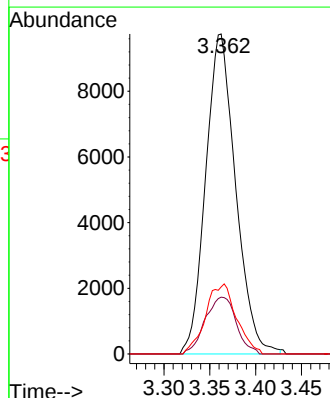
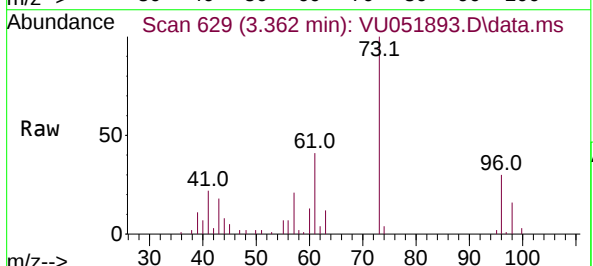
Tgt Ion: 73 Resp: 22136

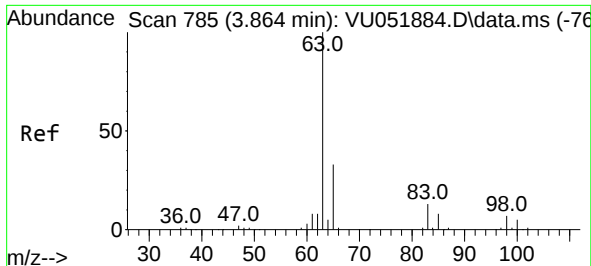
Ion Ratio Lower Upper

73 100

43 18.4 13.4 20.0

57 10.4 17.7 26.5#





#19

1,1-Dichloroethane

Concen: 2.375 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL04

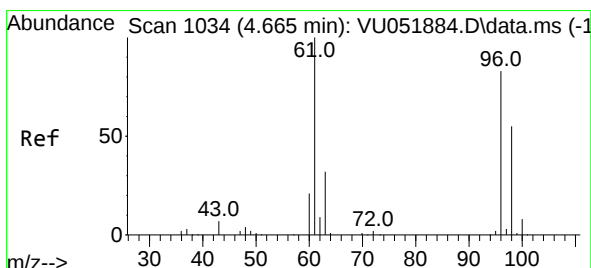
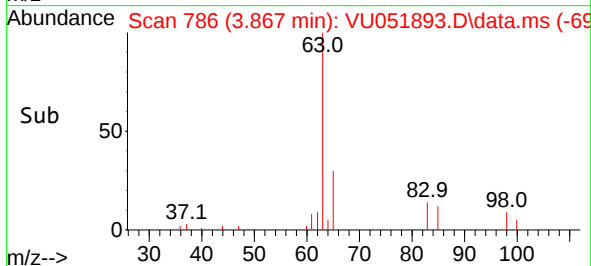
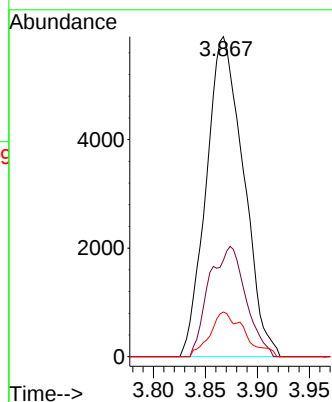
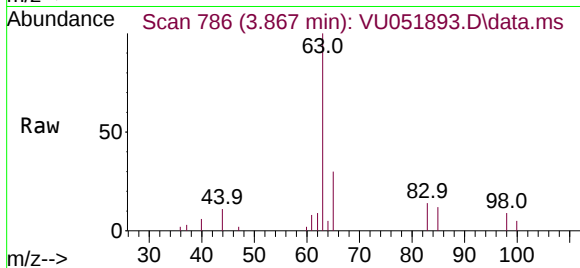
Tgt Ion: 63 Resp: 14700

Ion Ratio Lower Upper

63 100

65 30.2 22.2 41.2

83 14.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.621 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

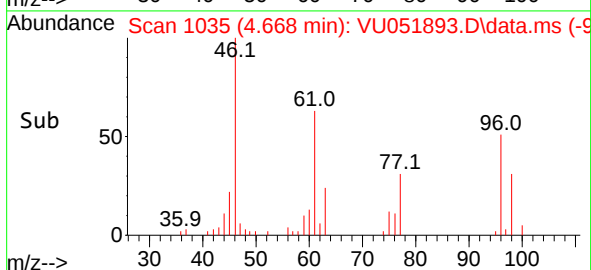
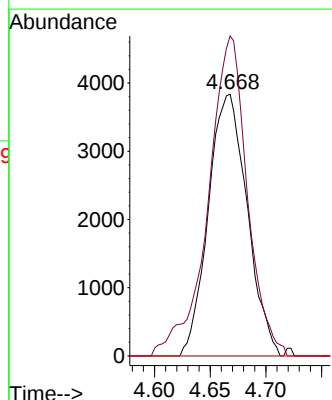
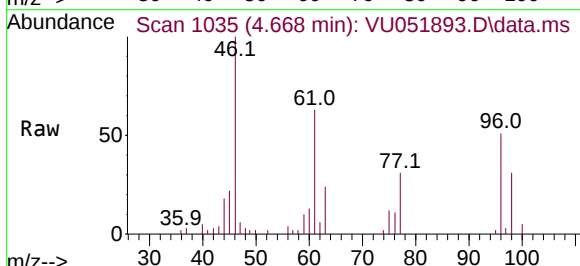
Tgt Ion: 96 Resp: 9302

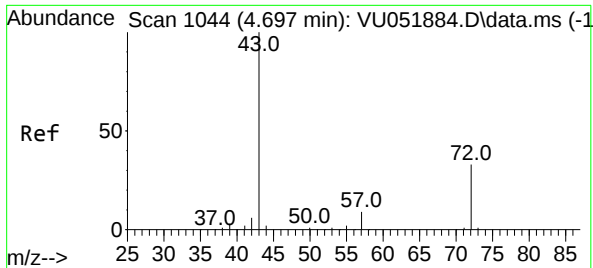
Ion Ratio Lower Upper

96 100

61 122.3 86.0 159.8

68 0.0 0.0 0.0

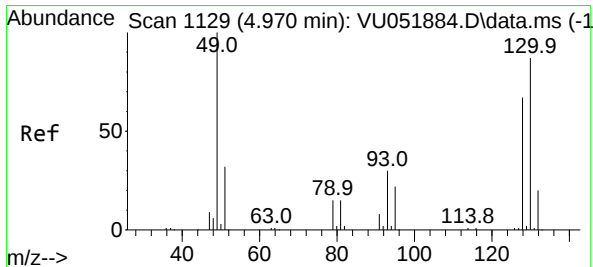
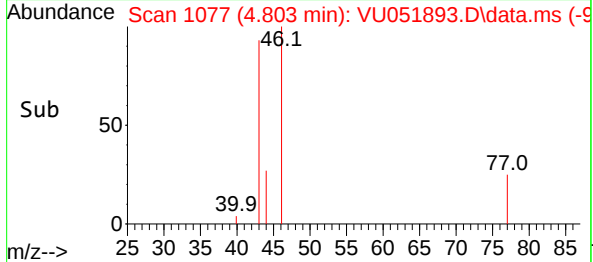
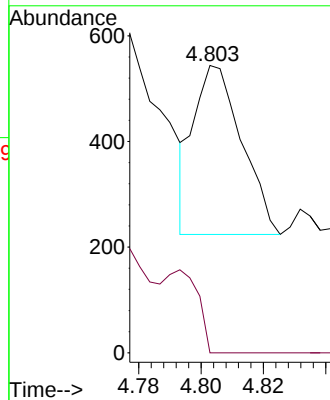
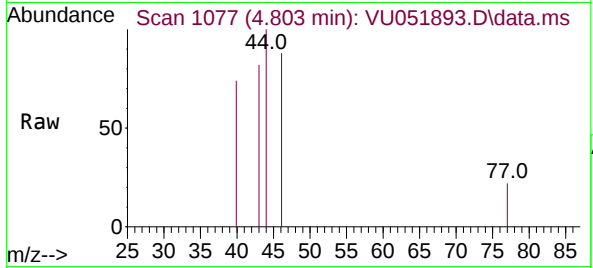




#22
2-Butanone
Concen: 0.107 ug/L
RT: 4.803 min Scan# 1107
Delta R.T. 0.106 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

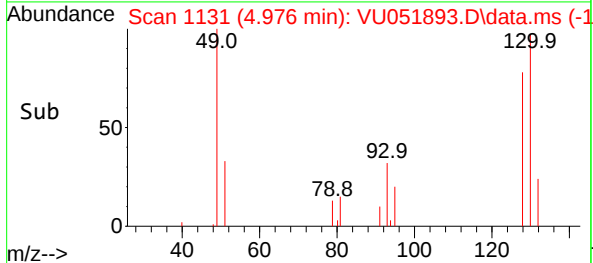
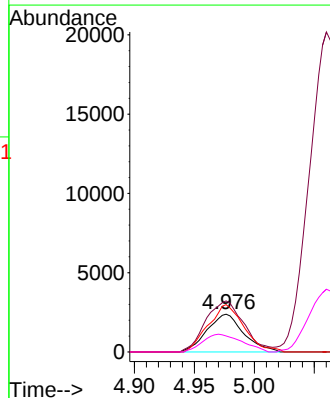
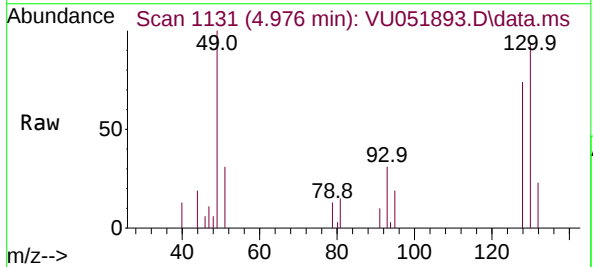
Instrument :
MSVOA_U
ClientSampleId :
MDL04

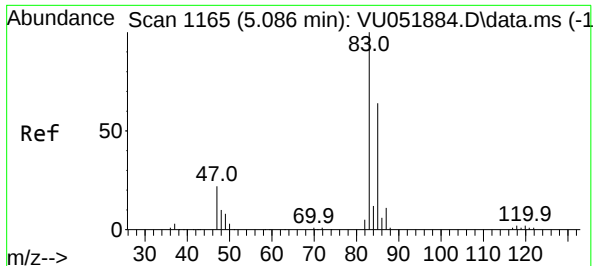
Tgt Ion: 43 Resp: 342
Ion Ratio Lower Upper
43 100
72 31.3 15.7 47.1



#23
Bromochloromethane
Concen: 2.579 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion: 128 Resp: 5051
Ion Ratio Lower Upper
128 100
49 135.0 107.2 199.0
130 125.5 92.5 171.7
51 42.2 38.8 58.2





#25

Chloroform

Concen: 2.815 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

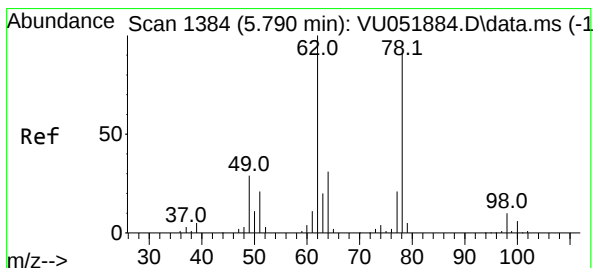
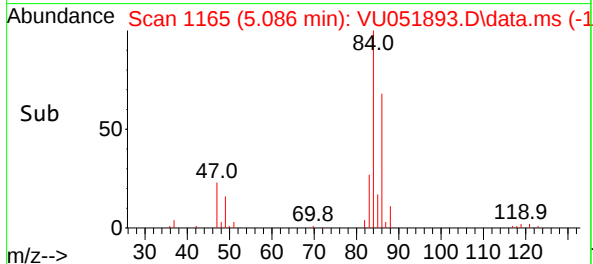
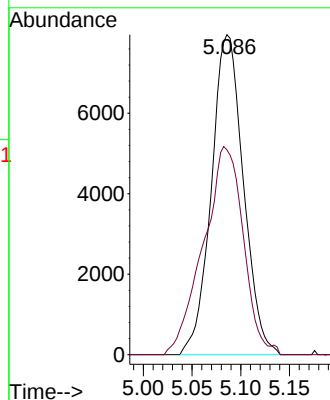
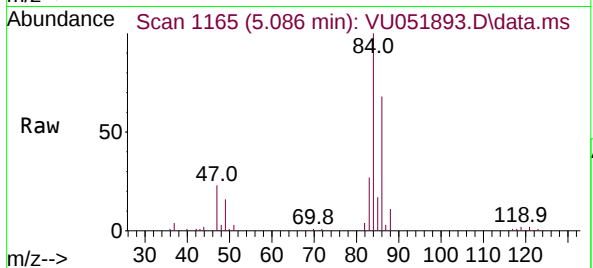
MDL04

Tgt Ion: 83 Resp: 18177

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 2.733 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051893.D

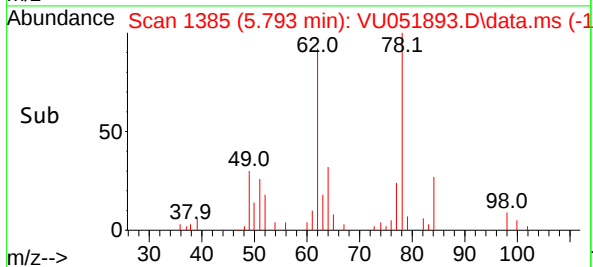
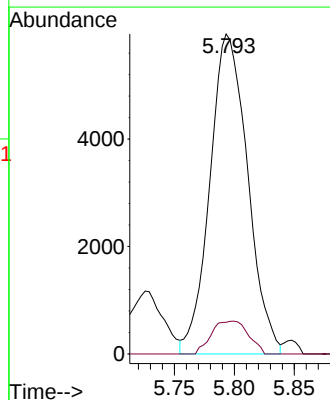
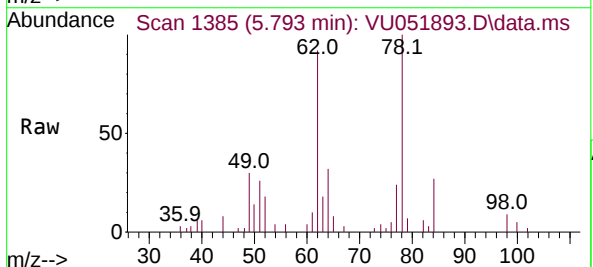
Acq: 17 Nov 2022 13:50

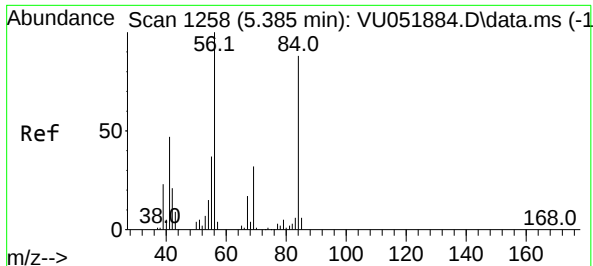
Tgt Ion: 62 Resp: 13041

Ion Ratio Lower Upper

62 100

98 9.9 8.1 12.1





#29

Cyclohexane

Concen: 2.237 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL04

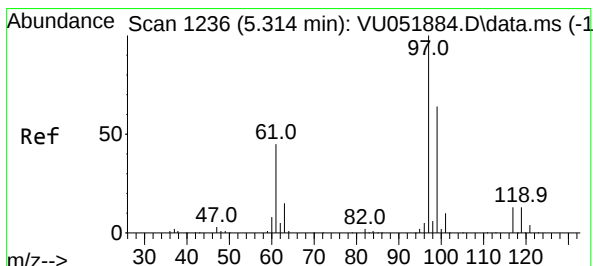
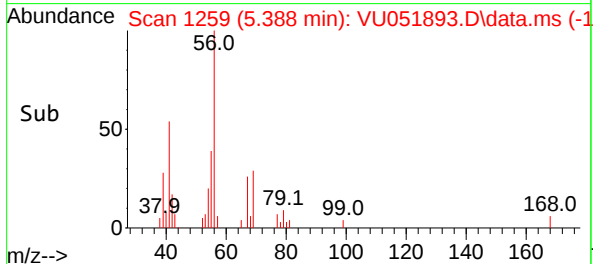
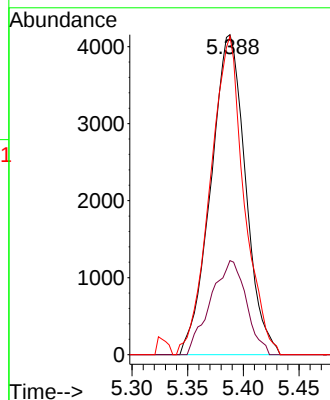
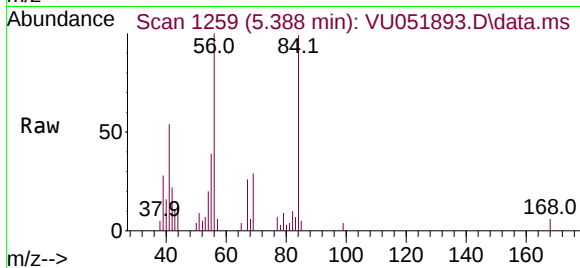
Tgt Ion: 56 Resp: 8984

Ion Ratio Lower Upper

56 100

69 30.2 25.4 38.2

84 97.1 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 2.498 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

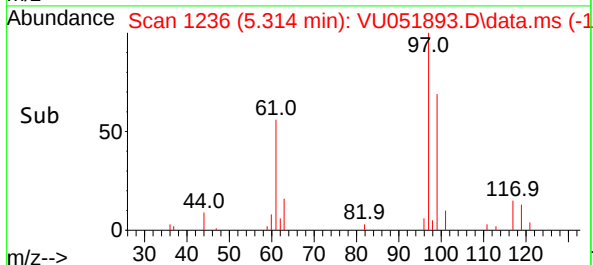
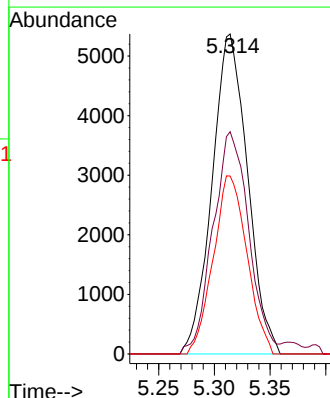
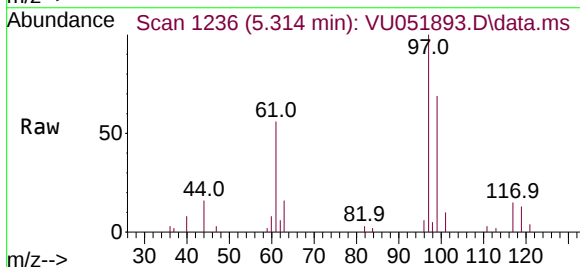
Tgt Ion: 97 Resp: 11888

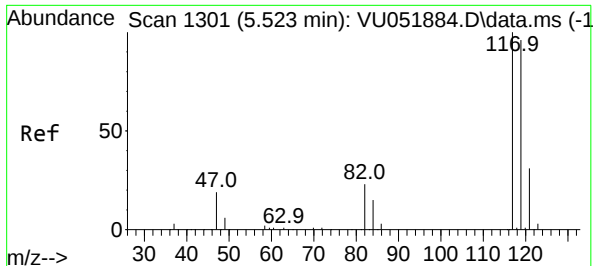
Ion Ratio Lower Upper

97 100

99 70.4 51.2 76.8

61 52.8 37.4 56.2

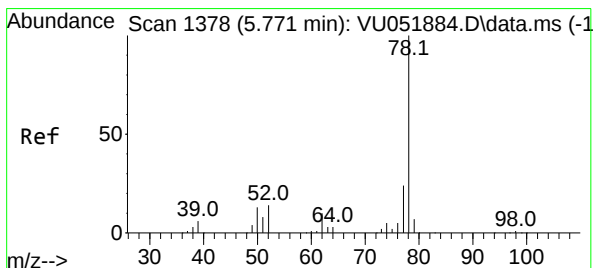
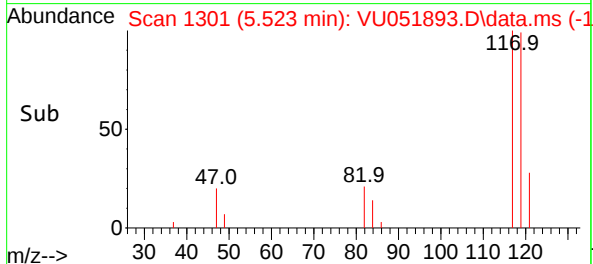
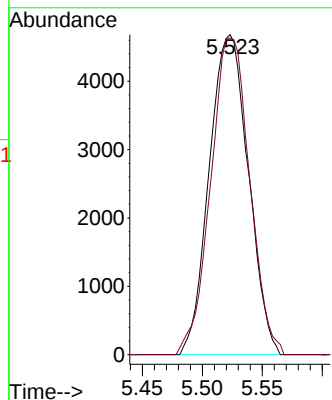
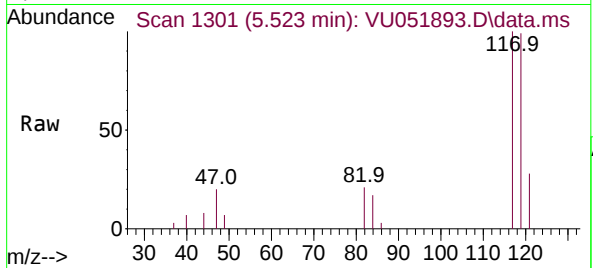




#31
Carbon tetrachloride
Concen: 2.669 ug/L
RT: 5.523 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

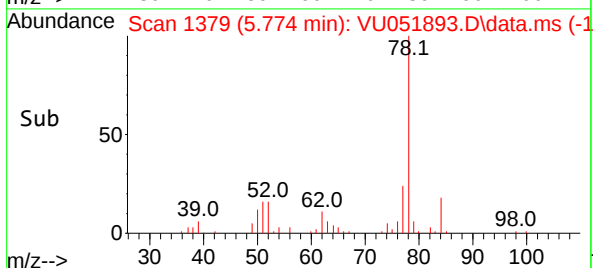
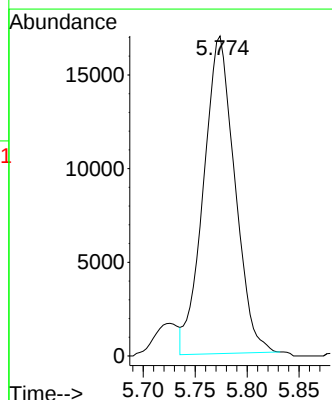
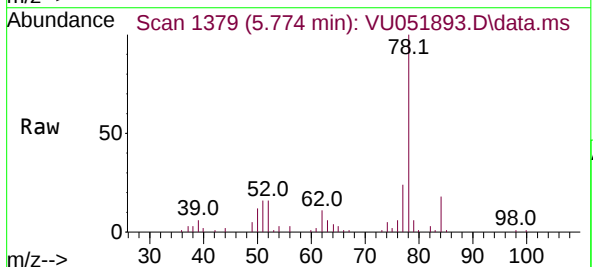
Instrument :
MSVOA_U
ClientSampleId :
MDL04

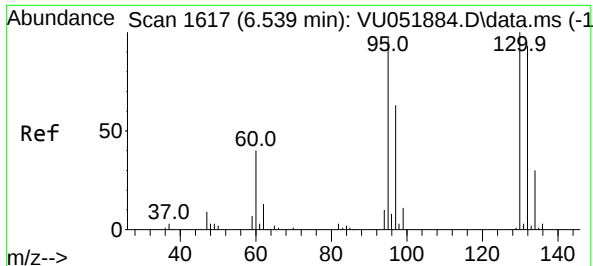
Tgt Ion:117 Resp: 10621
Ion Ratio Lower Upper
117 100
119 98.7 75.6 113.4



#33
Benzene
Concen: 2.618 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion: 78 Resp: 35457





#34

Trichloroethene

Concen: 2.534 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 95 Resp: 8129

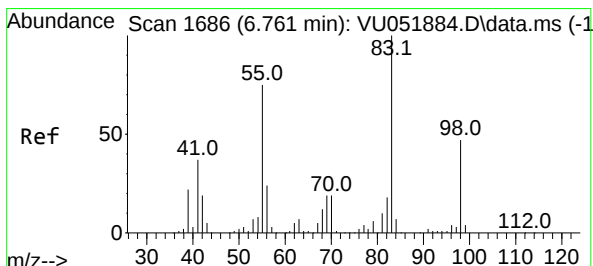
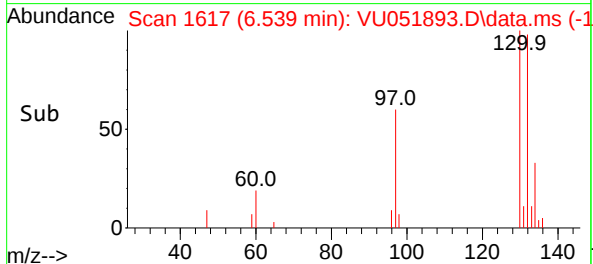
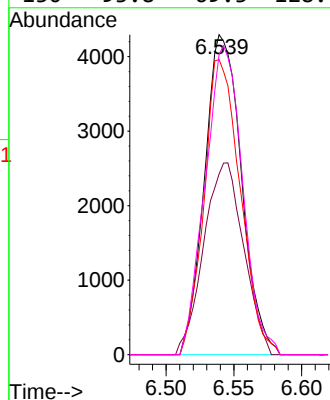
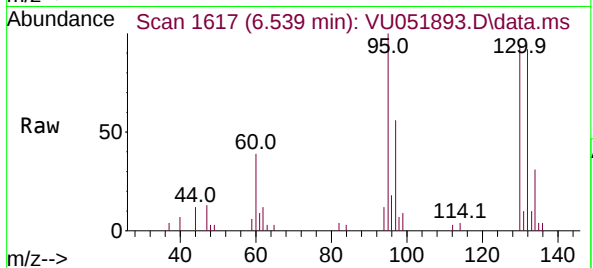
Ion Ratio Lower Upper

95 100

97 56.4 45.8 85.0

132 92.3 65.3 121.3

130 93.8 69.3 128.7



#35

Methylcyclohexane

Concen: 2.463 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

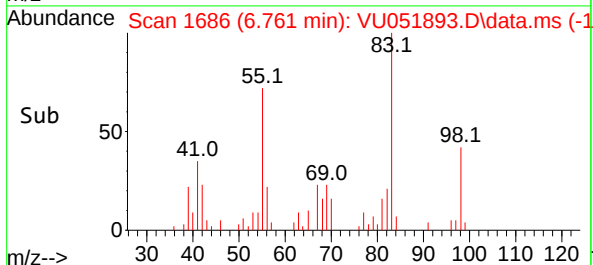
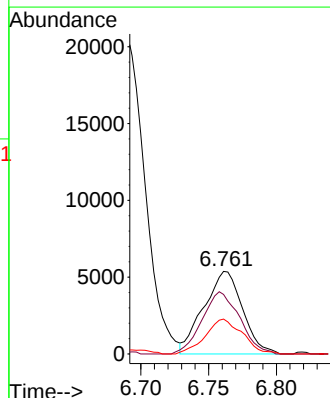
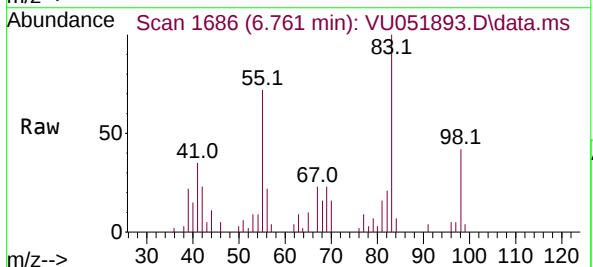
Tgt Ion: 83 Resp: 10715

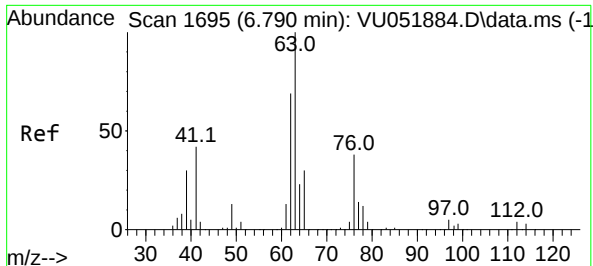
Ion Ratio Lower Upper

83 100

55 73.0 60.0 90.0

98 40.3 35.8 53.8

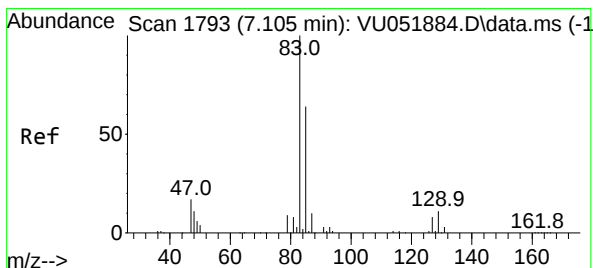
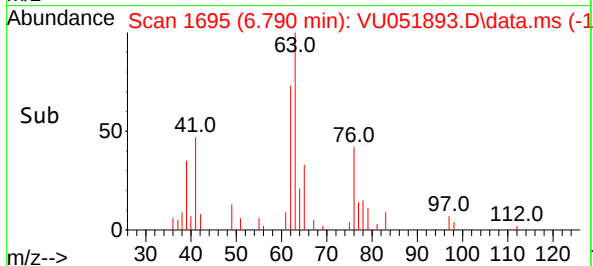
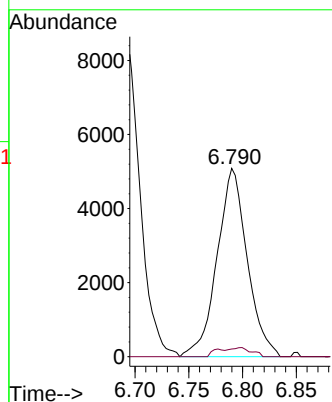
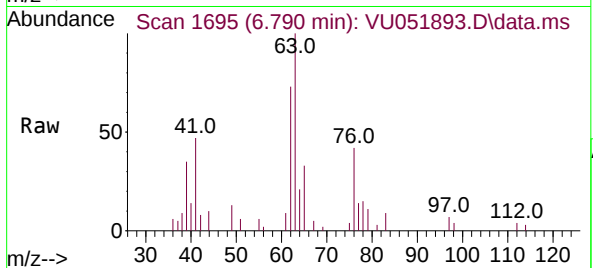




#37
1,2-Dichloropropane
Concen: 2.583 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

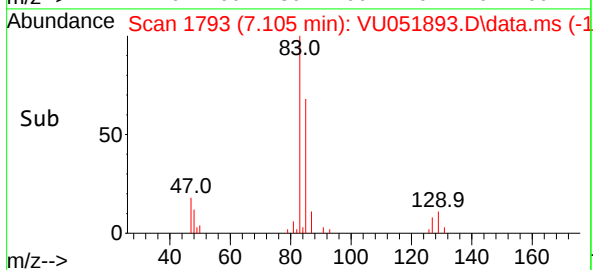
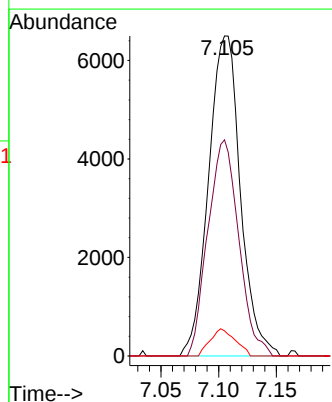
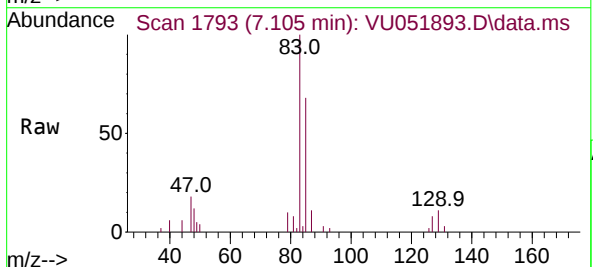
Instrument :
MSVOA_U
ClientSampleId :
MDL04

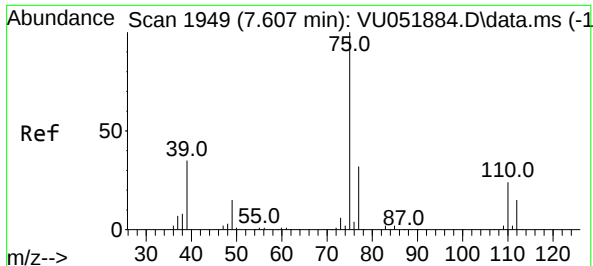
Tgt Ion: 63 Resp: 9906
Ion Ratio Lower Upper
63 100
112 1.7 3.0 4.6#



#38
Bromodichloromethane
Concen: 2.606 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion: 83 Resp: 12501
Ion Ratio Lower Upper
83 100
85 67.6 44.6 82.8
127 7.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.330 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

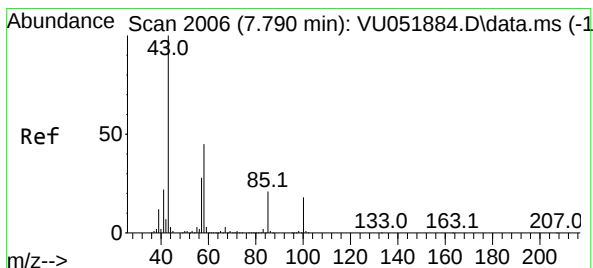
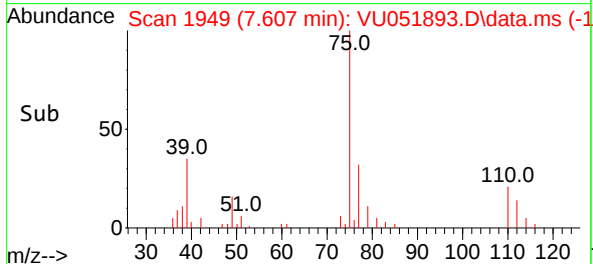
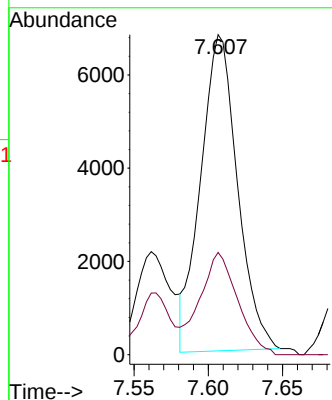
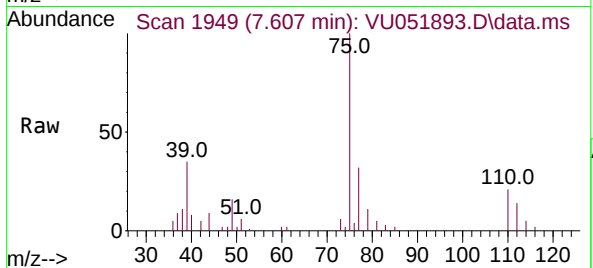
MDL04

Tgt Ion: 75 Resp: 11689

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 4.274 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

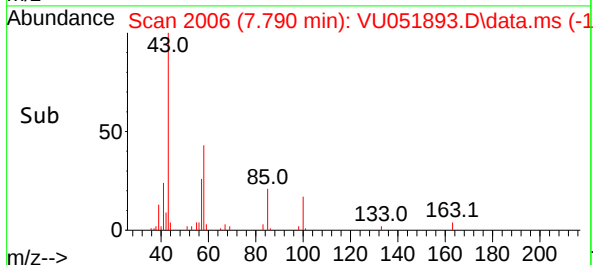
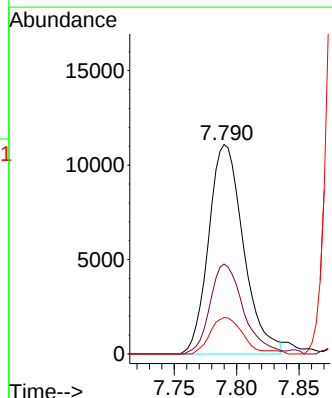
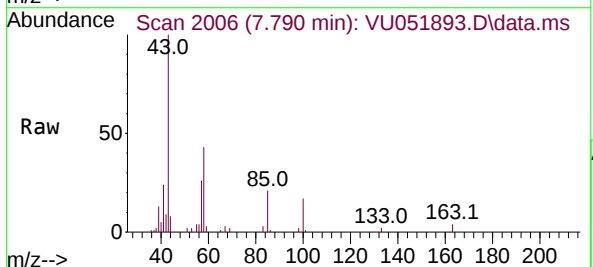
Tgt Ion: 43 Resp: 21581

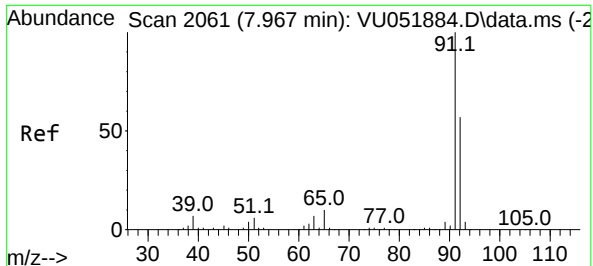
Ion Ratio Lower Upper

43 100

58 41.0 35.4 53.2

100 15.9 13.4 20.0

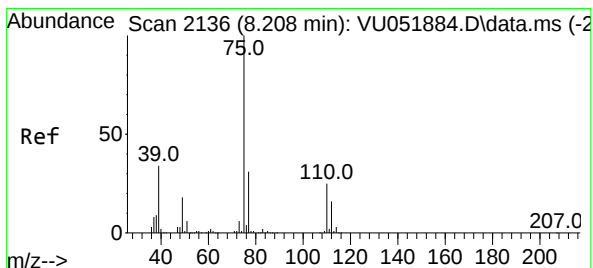
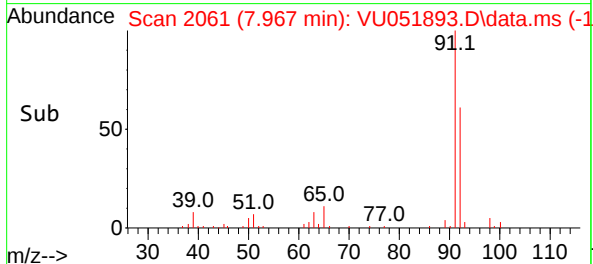
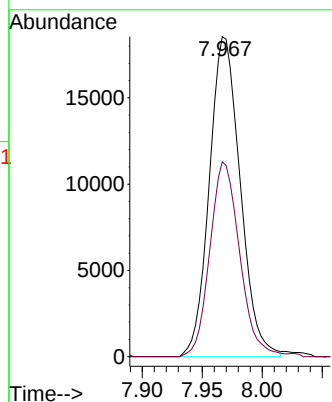
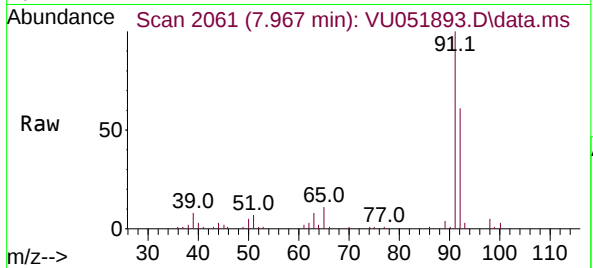




#42
Toluene
Concen: 2.382 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

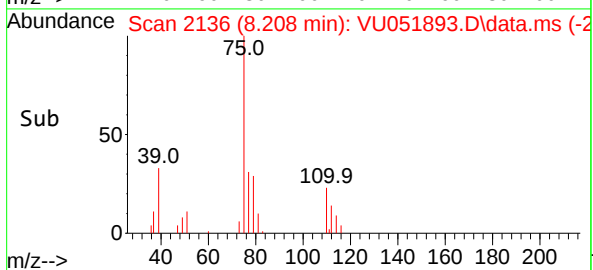
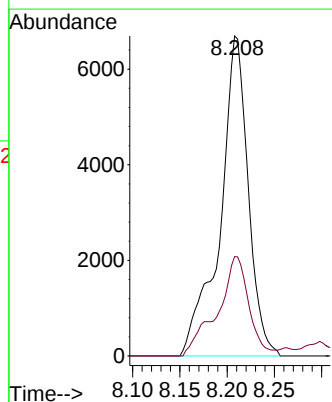
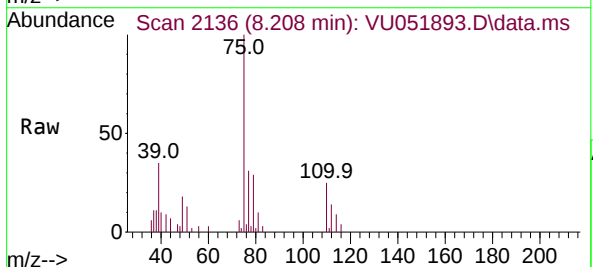
Instrument :
MSVOA_U
ClientSampleId :
MDL04

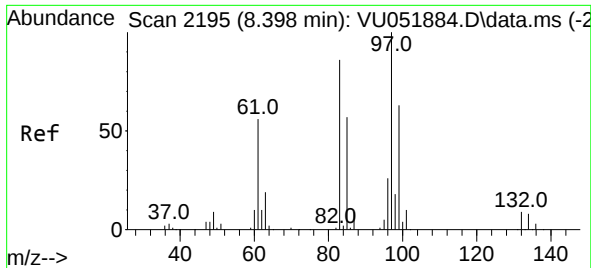
Tgt Ion: 91 Resp: 33173
Ion Ratio Lower Upper
91 100
92 60.9 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 2.885 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion: 75 Resp: 13867
Ion Ratio Lower Upper
75 100
77 31.1 21.8 40.6

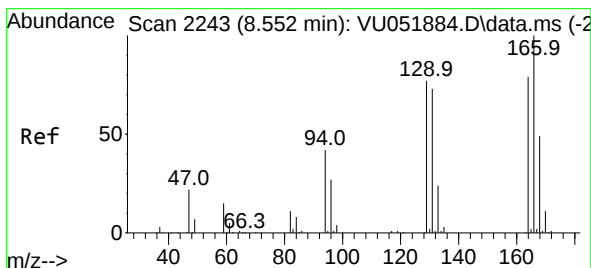
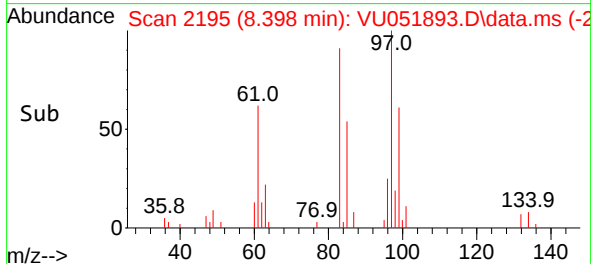
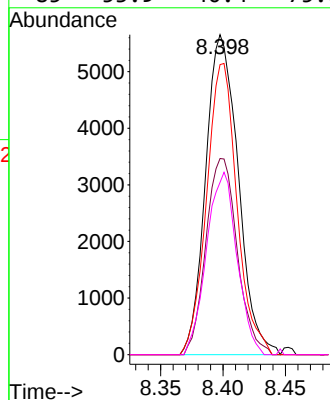
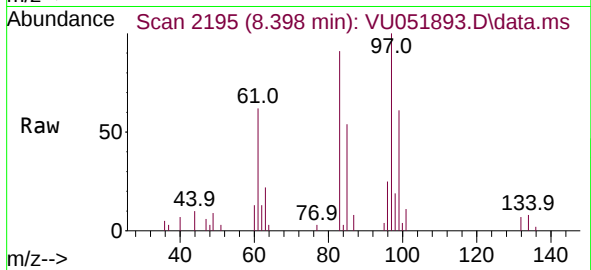




#45
1,1,2-Trichloroethane
Concen: 2.641 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

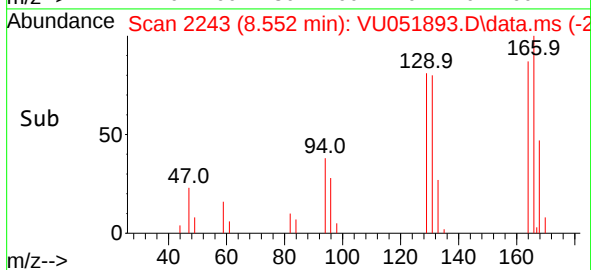
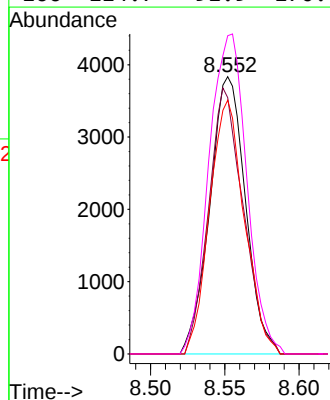
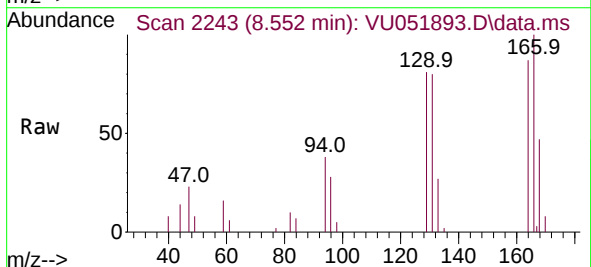
Instrument : MSVOA_U
ClientSampleId : MDL04

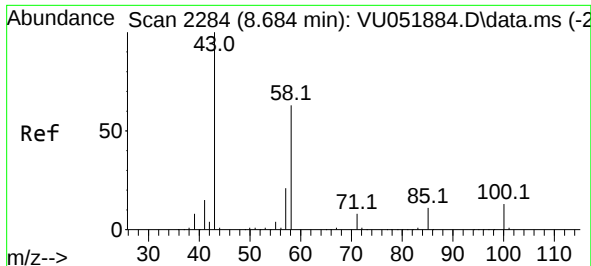
Tgt Ion:	97	Resp:	10291
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.3	82.3
83	90.6	62.3	115.7
85	53.9	40.4	75.0



#46
Tetrachloroethene
Concen: 2.495 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion:	164	Resp:	6392
Ion	Ratio	Lower	Upper
164	100		
129	92.4	68.5	127.1
131	91.5	66.6	123.8
166	114.7	91.9	170.7

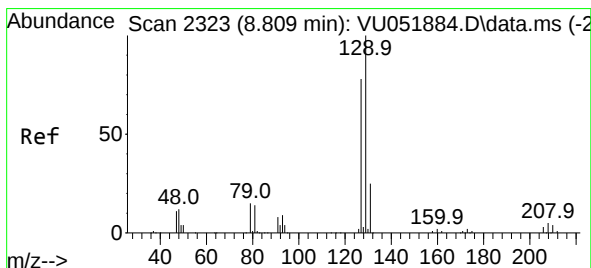
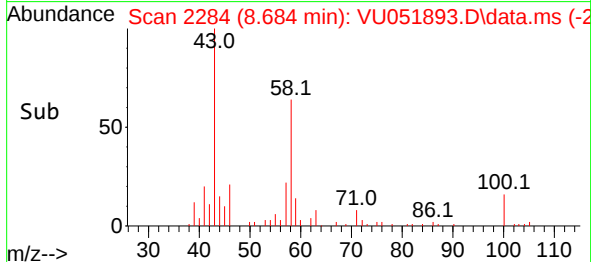
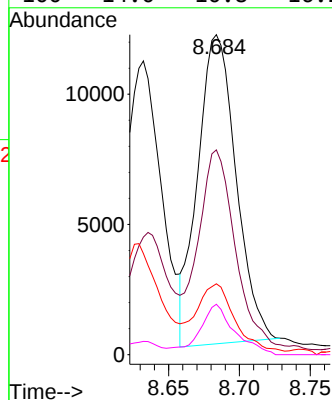
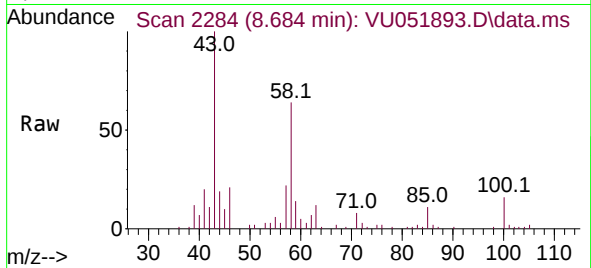




#48
2-Hexanone
Concen: 5.159 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

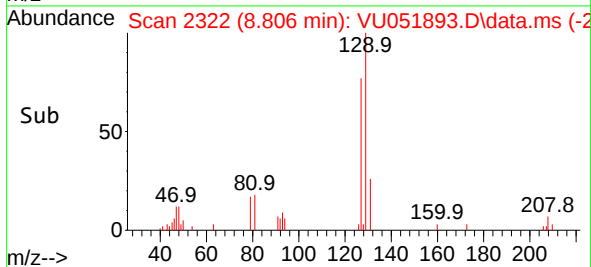
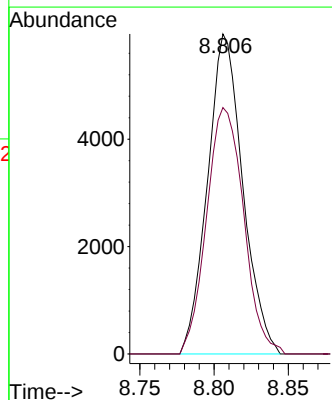
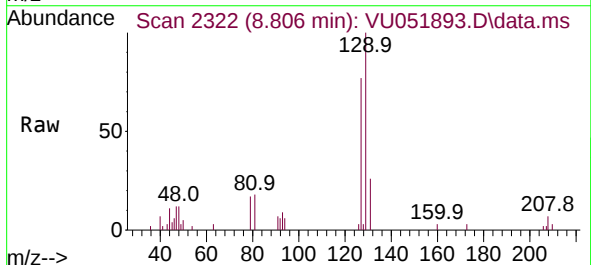
Instrument :
MSVOA_U
ClientSampleId :
MDL04

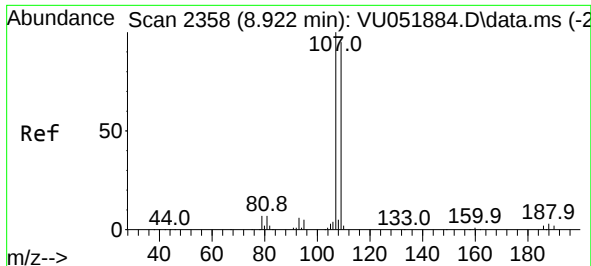
Tgt Ion: 43	Resp: 22375
Ion Ratio	Lower Upper
43 100	
58 60.5	50.6 76.0
57 22.4	16.8 25.2
100 14.0	10.8 16.2



#49
Dibromochloromethane
Concen: 2.449 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion:129	Resp:	9840	
Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.4	101.0





#50

1,2-Dibromoethane

Concen: 2.464 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

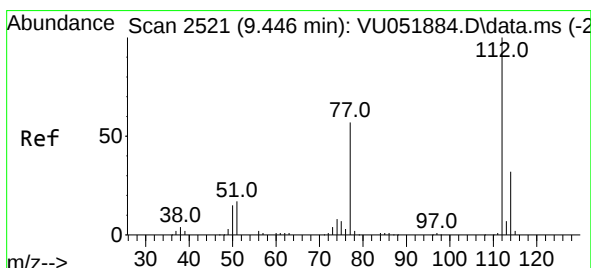
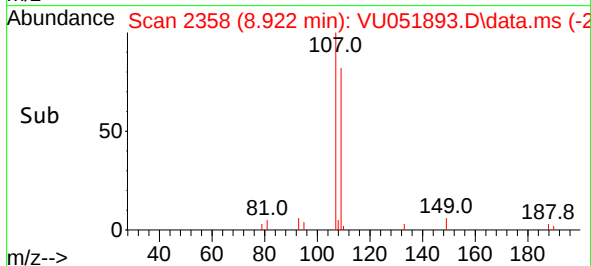
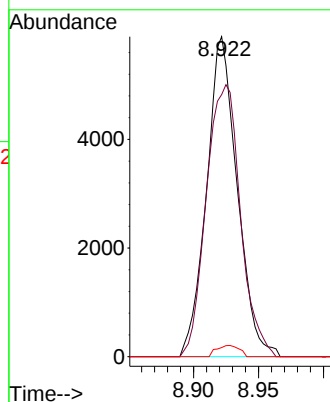
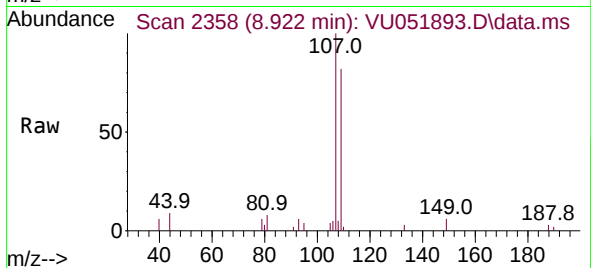
Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion:107	Resp:	9666
Ion Ratio	Lower	Upper
107	100	
109	81.9	65.0 120.6
188	2.8	2.9 4.3#



#51

Chlorobenzene

Concen: 2.514 ug/L

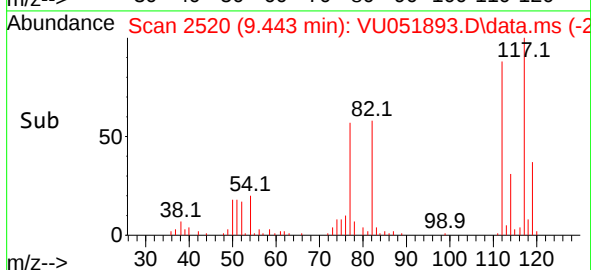
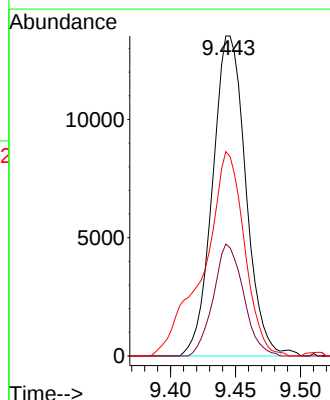
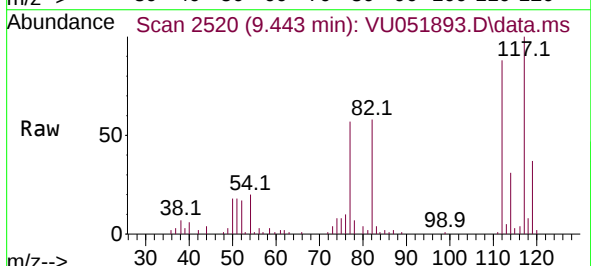
RT: 9.443 min Scan# 2520

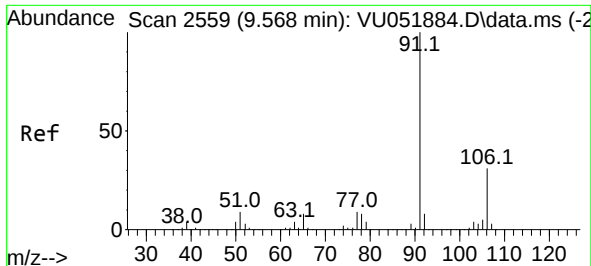
Delta R.T. -0.003 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Tgt Ion:112	Resp:	23925
Ion Ratio	Lower	Upper
112	100	
114	35.0	22.2 41.2
77	63.9	46.7 70.1

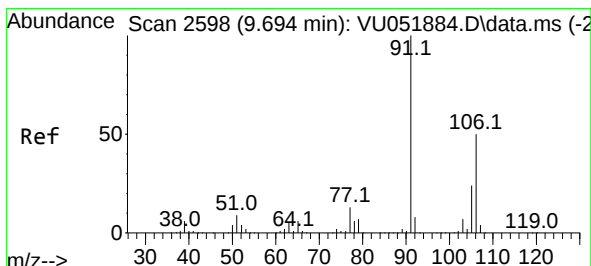
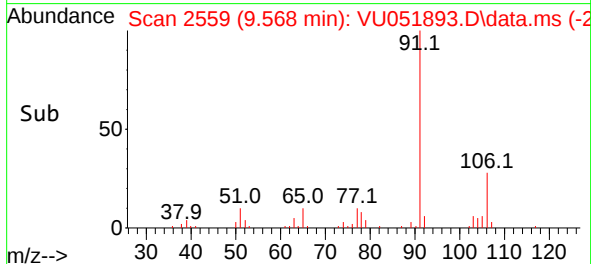
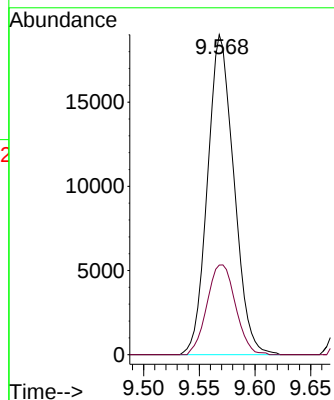
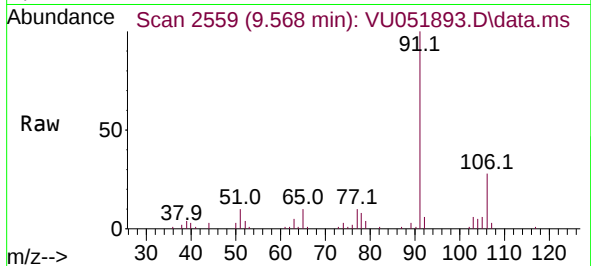




#52
Ethylbenzene
Concen: 2.197 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

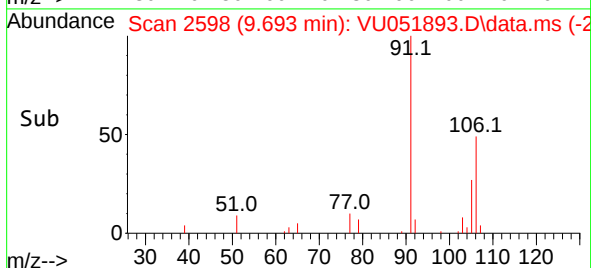
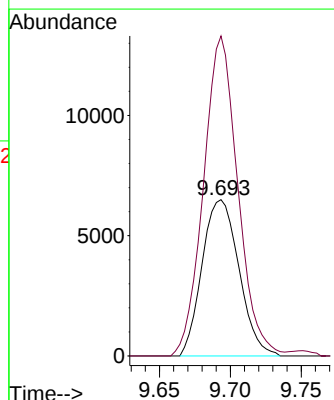
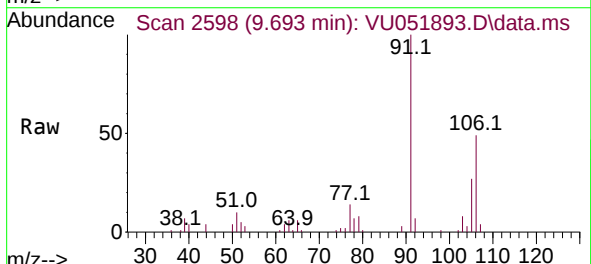
Instrument :
MSVOA_U
ClientSampleId :
MDL04

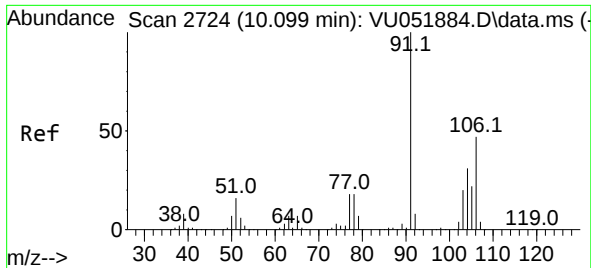
Tgt Ion: 91 Resp: 31322
Ion Ratio Lower Upper
91 100
106 28.0 21.3 39.6



#53
m,p-Xylene
Concen: 2.132 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion: 106 Resp: 11762
Ion Ratio Lower Upper
106 100
91 204.6 141.7 263.3

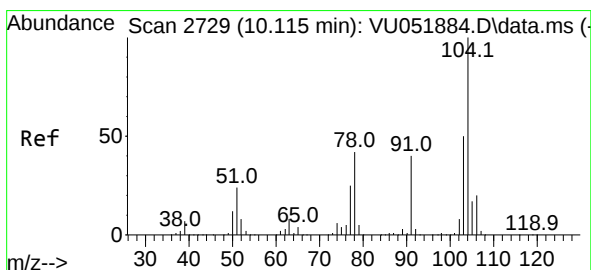
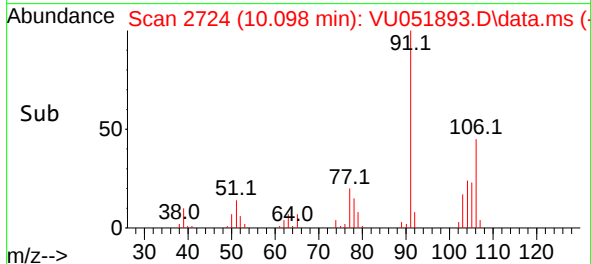
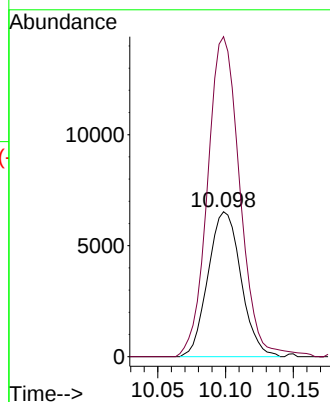
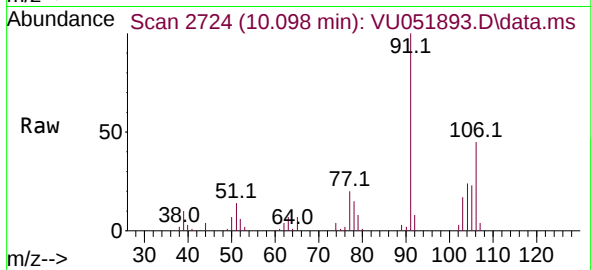




#54
o-Xylene
Concen: 1.967 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

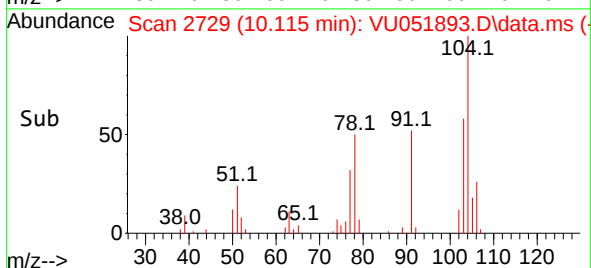
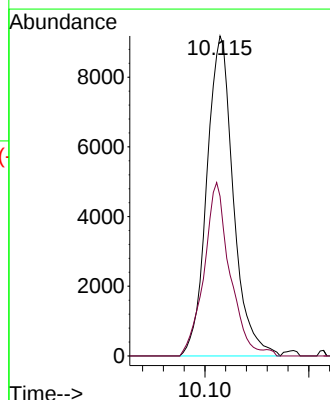
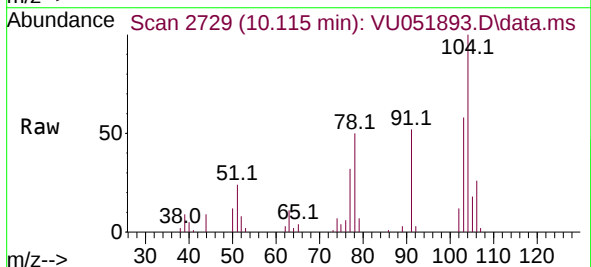
Instrument :
MSVOA_U
ClientSampleId :
MDL04

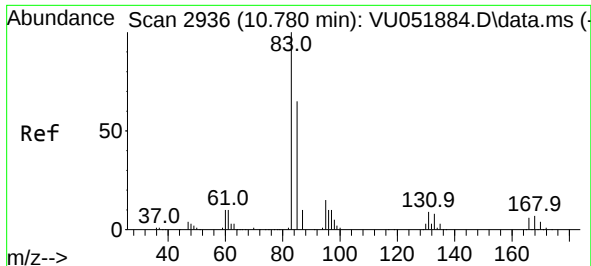
Tgt Ion:106 Resp: 11044
Ion Ratio Lower Upper
106 100
91 220.8 149.7 278.1



#55
Styrene
Concen: 1.684 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion:104 Resp: 16315
Ion Ratio Lower Upper
104 100
78 49.9 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.491 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL04

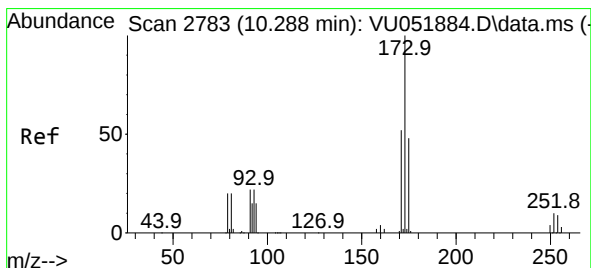
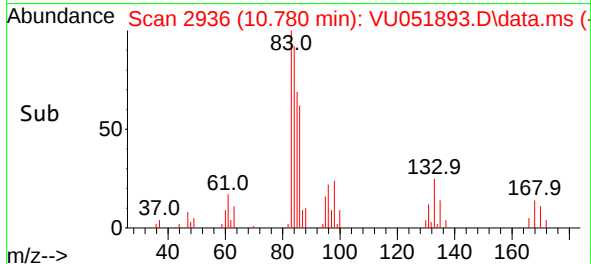
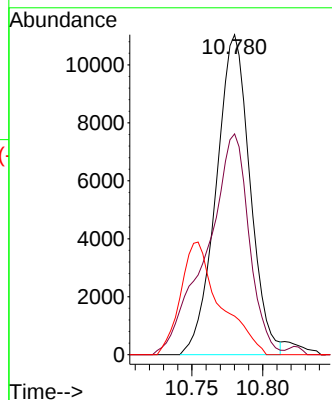
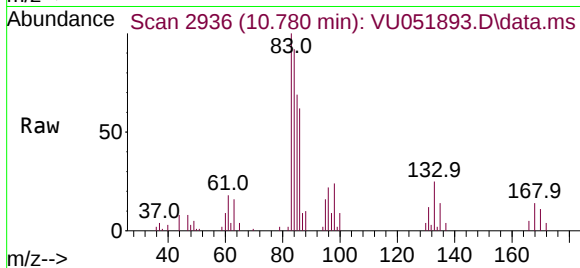
Tgt Ion: 83 Resp: 18340

Ion Ratio Lower Upper

83 100

85 69.0 44.9 83.3

131 12.0 6.8 10.2#



#59

Bromoform

Concen: 2.870 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

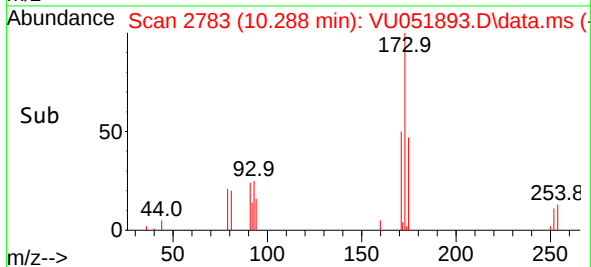
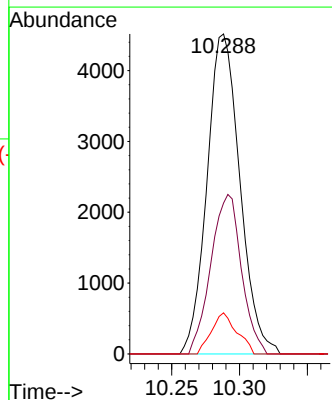
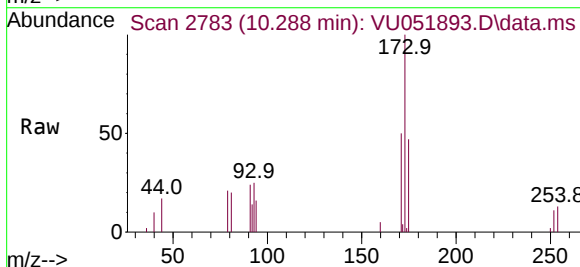
Tgt Ion:173 Resp: 7623

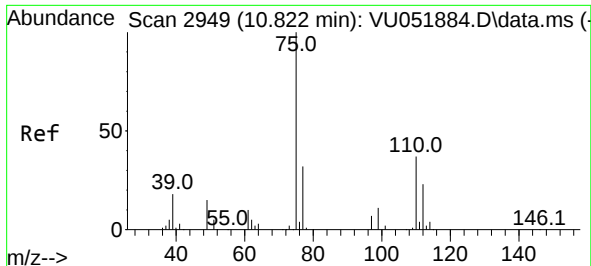
Ion Ratio Lower Upper

173 100

175 46.3 38.9 58.3

254 9.9 7.4 11.2

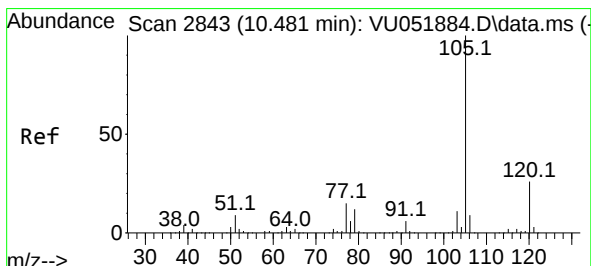
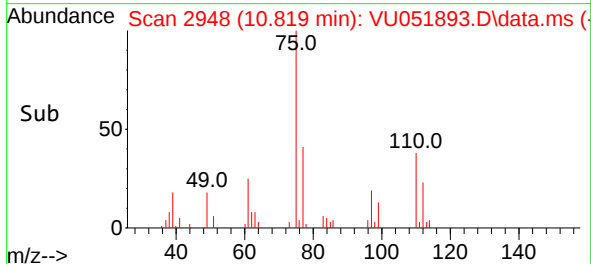
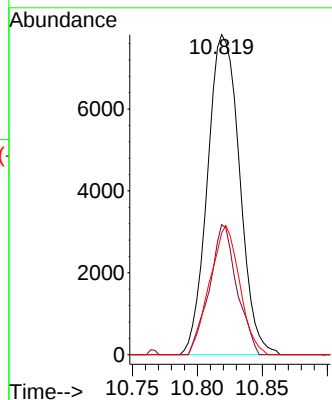
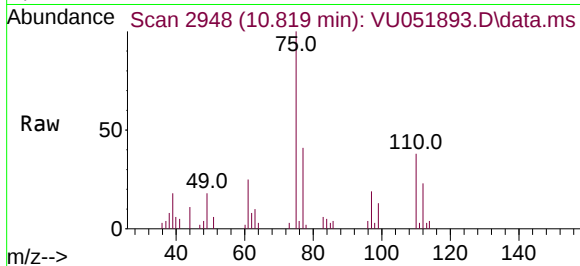




#60
1,2,3-Trichloropropane
Concen: 2.868 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

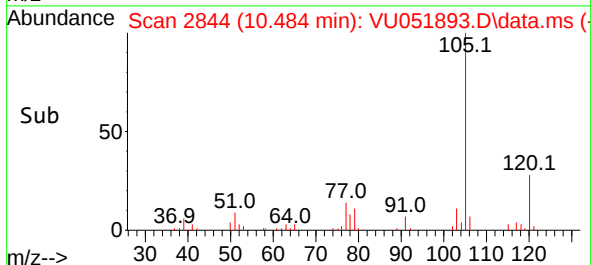
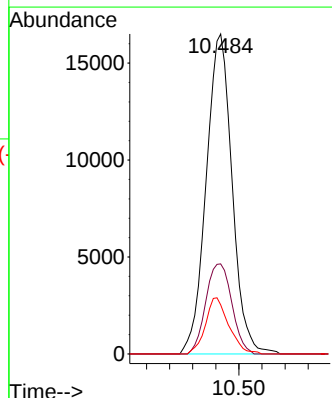
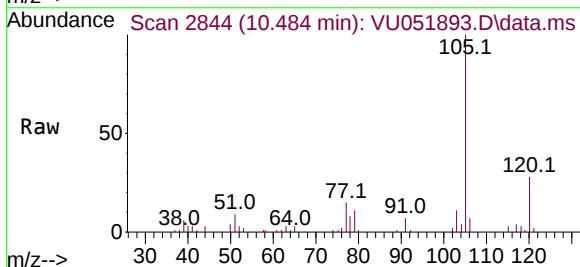
Instrument :
MSVOA_U
ClientSampleId :
MDL04

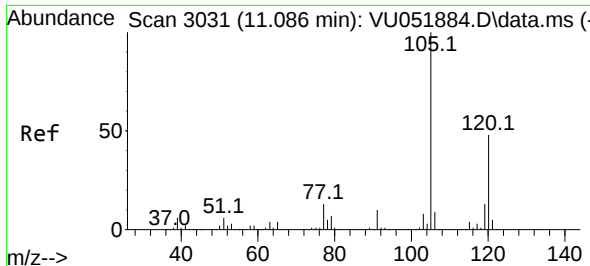
Tgt Ion: 75	Resp: 13438
Ion Ratio	Lower Upper
75 100	
77 34.8	26.2 39.4
110 37.4	29.0 43.4



#61
Isopropylbenzene
Concen: 2.246 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion: 105	Resp: 25717
Ion Ratio	Lower Upper
105 100	
120 28.2	21.1 31.7
77 15.8	12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 1.954 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

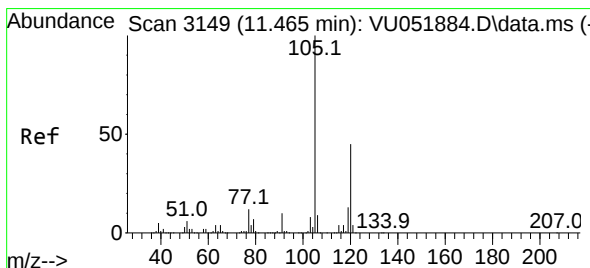
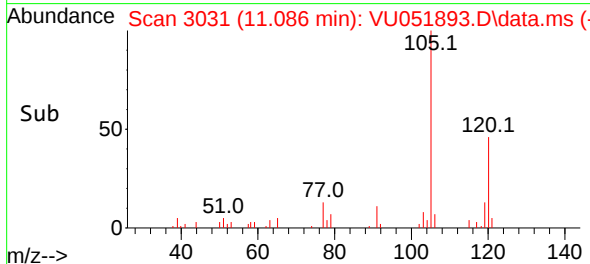
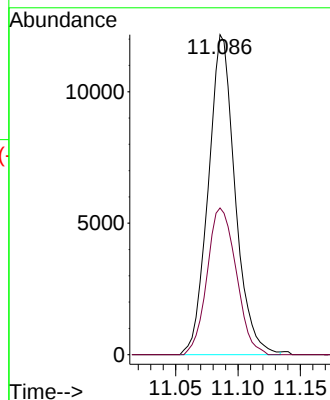
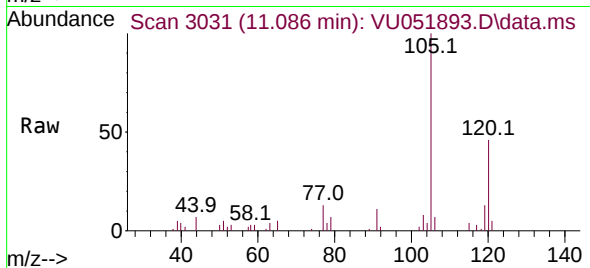
MDL04

Tgt Ion:105 Resp: 18226

Ion Ratio Lower Upper

105 100

120 49.7 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 1.896 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU051893.D

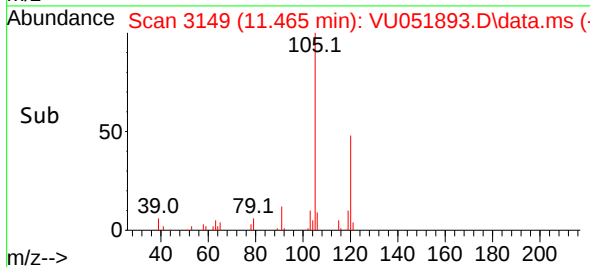
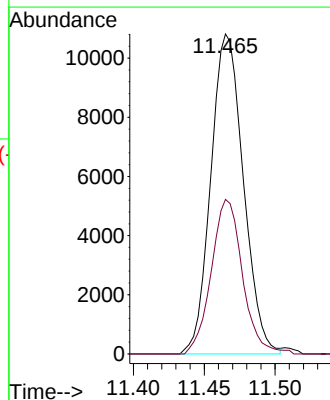
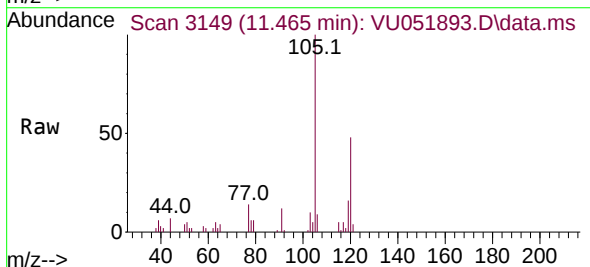
Acq: 17 Nov 2022 13:50

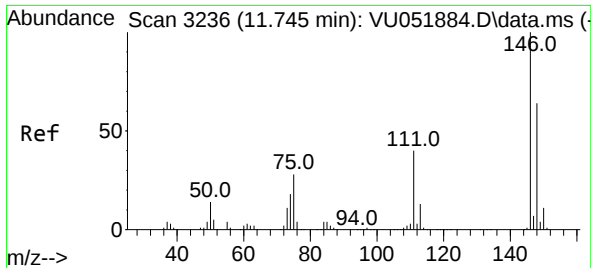
Tgt Ion:105 Resp: 17286

Ion Ratio Lower Upper

105 100

120 46.1 36.2 54.2

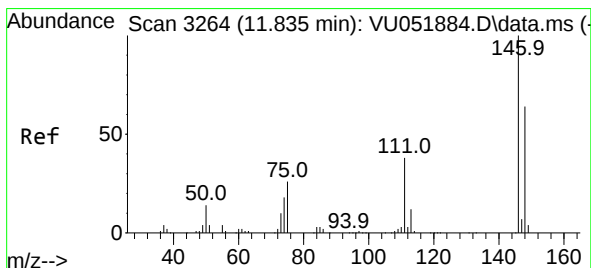
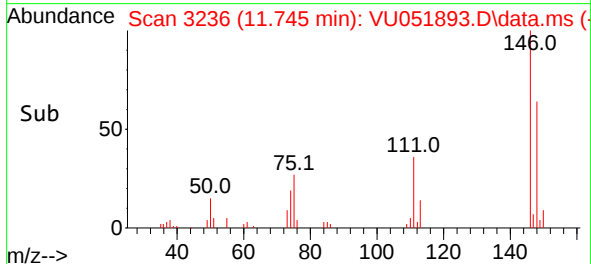
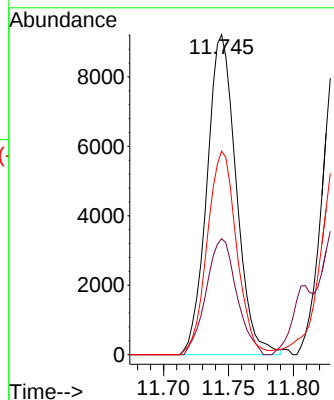
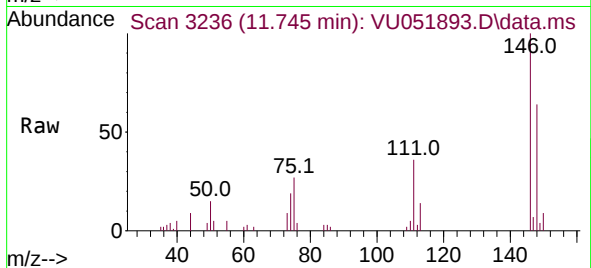




#64
1,3-Dichlorobenzene
Concen: 2.487 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

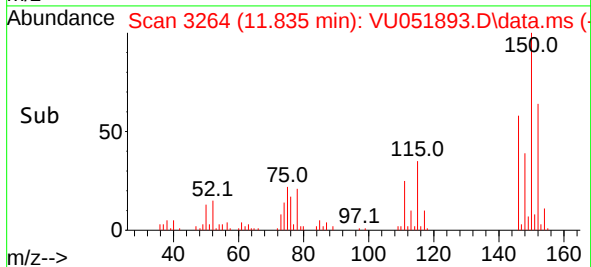
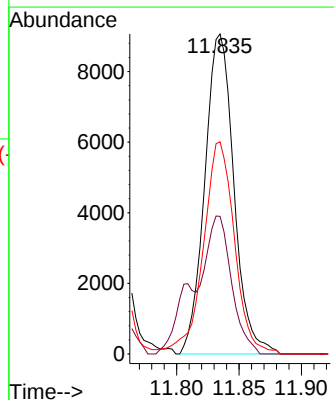
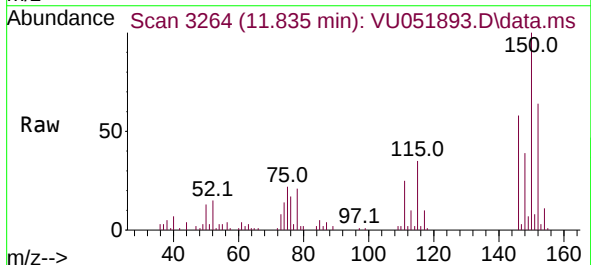
Instrument :
MSVOA_U
ClientSampleId :
MDL04

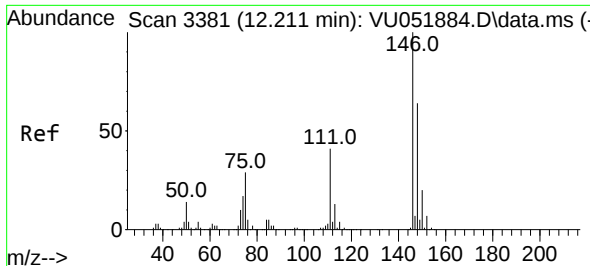
Tgt Ion:146 Resp: 14430
Ion Ratio Lower Upper
146 100
111 36.3 28.1 52.1
148 63.6 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 2.513 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion:146 Resp: 14768
Ion Ratio Lower Upper
146 100
111 43.0 26.7 49.5
148 66.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.747 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL04

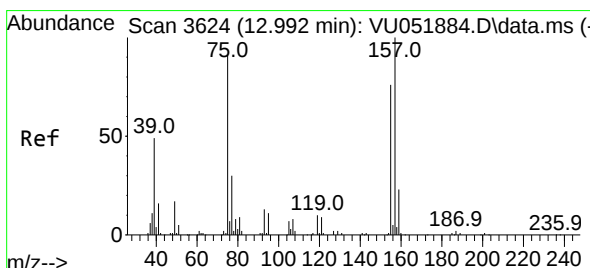
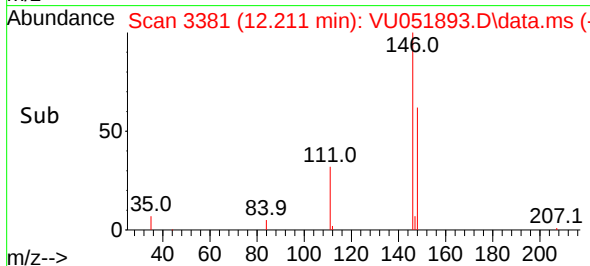
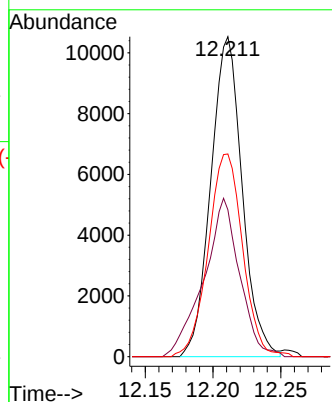
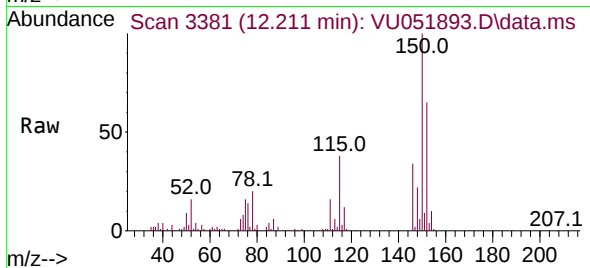
Tgt Ion:146 Resp: 16951

Ion Ratio Lower Upper

146 100

111 45.9 33.6 50.4

148 63.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.577 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051893.D

Acq: 17 Nov 2022 13:50

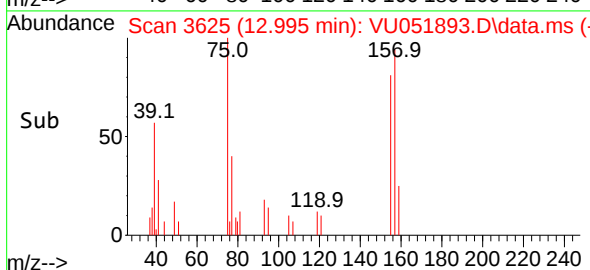
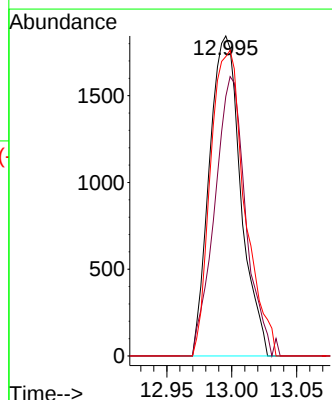
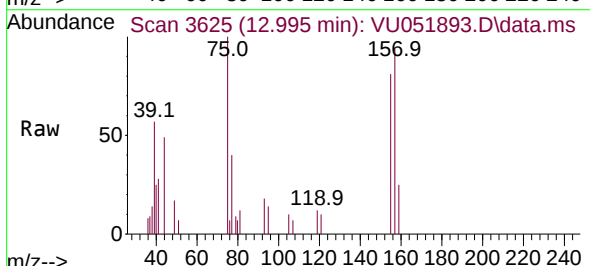
Tgt Ion: 75 Resp: 3092

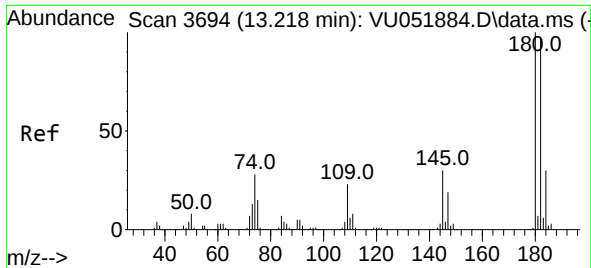
Ion Ratio Lower Upper

75 100

155 81.1 63.0 94.6

157 93.5 79.4 119.0

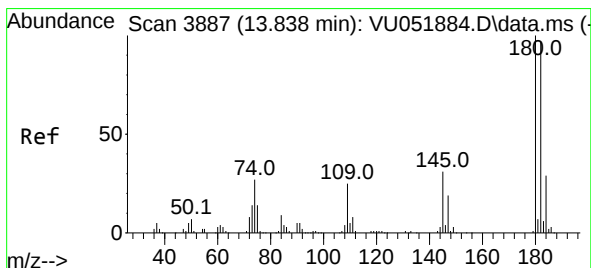
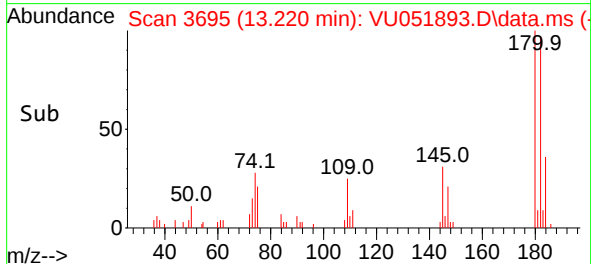
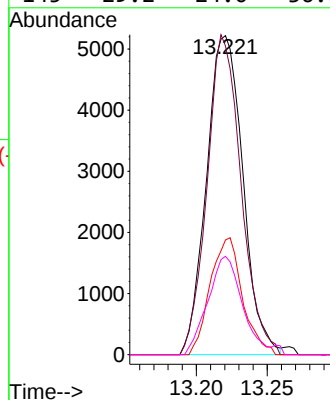
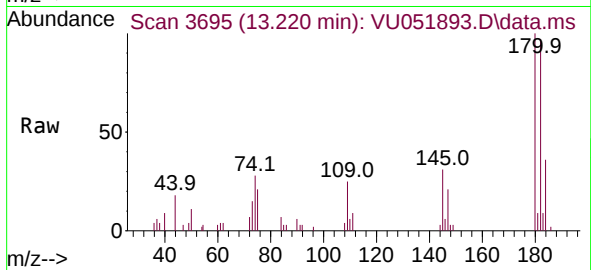




#69
1,3,5-Trichlorobenzene
Concen: 2.418 ug/L
RT: 13.220 min Scan# 3695
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

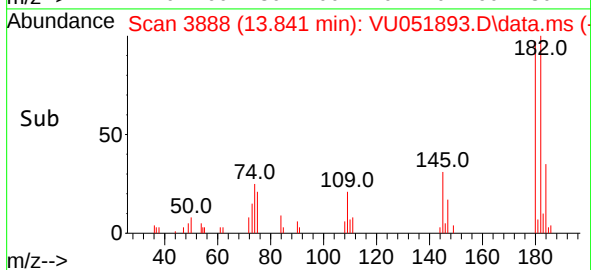
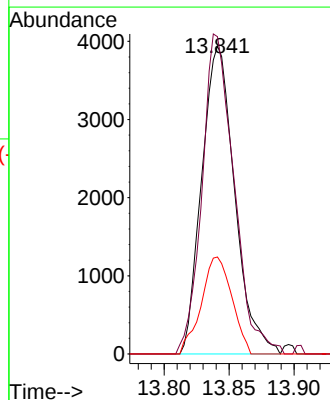
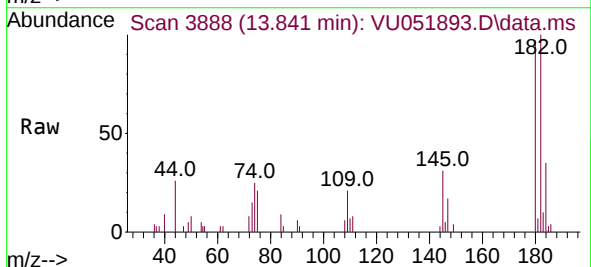
Instrument :
MSVOA_U
ClientSampleId :
MDL04

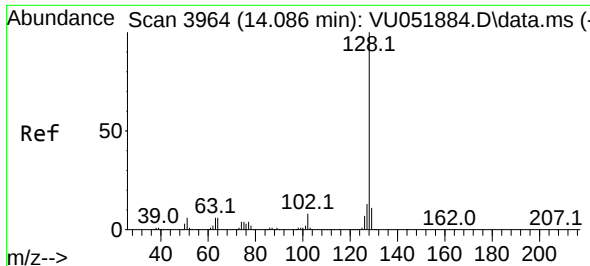
Tgt Ion:180	Resp:	9311
Ion Ratio	Lower	Upper
180	100	
182	93.4	77.0 115.4
184	32.5	23.8 35.8
145	29.2	24.0 36.0



#70
1,2,4-trichlorobenzene
Concen: 2.278 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion:180	Resp:	6952
Ion Ratio	Lower	Upper
180	100	
182	100.4	76.4 114.6
145	29.2	24.2 36.2

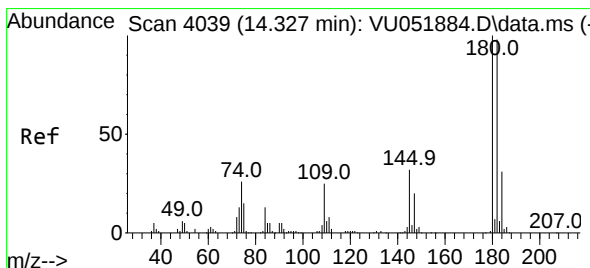
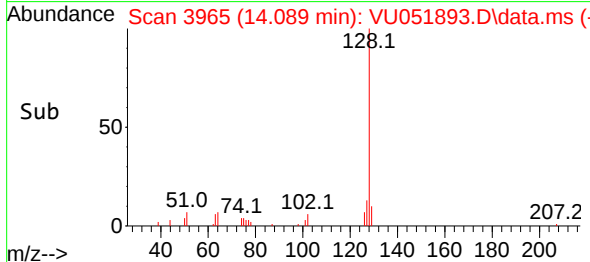
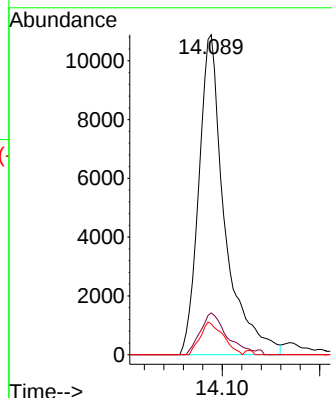
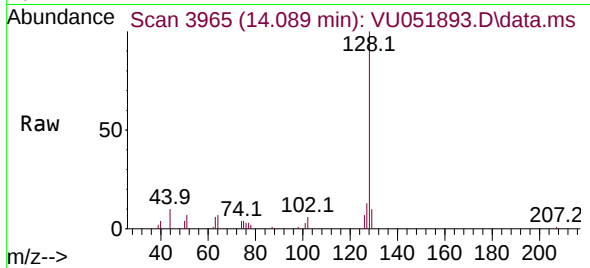




#71
Naphthalene
Concen: 2.001 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:128	Resp:	20079
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.4 15.6
129	9.0	8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 2.325 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051893.D
Acq: 17 Nov 2022 13:50

Tgt Ion:180	Resp:	7767
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.9 115.3
145	16.3	24.9 37.3

