

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051892.D
 Acq On : 17 Nov 2022 13:26
 Operator : JC/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Quant Time: Nov 18 01:16:53 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	469639	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	462912	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	185998	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	98937	42.912	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.820%
7) Chloroethane-d5	1.906	69	107625	46.590	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.180%
11) 1,1-Dichloroethene-d2	2.565	63	126697	30.644	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.280%
21) 2-Butanone-d5	4.617	46	269757	102.893	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.890%
24) Chloroform-d	5.060	84	267185	46.228	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.460%
26) 1,2-Dichloroethane-d4	5.700	65	171440	48.457	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.920%
32) Benzene-d6	5.723	84	471722	48.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.740%
36) 1,2-Dichloropropane-d6	6.687	67	179711	50.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.040%
41) Toluene-d8	7.896	98	357919	45.178	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.360%
43) trans-1,3-Dichloroprop...	8.176	79	68590	47.931	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.860%
47) 2-Hexanone-d5	8.629	63	180032	98.598	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.600%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	335637	48.000	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	176919	54.050	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.100%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6531	2.265	ug/L	97
3) Chloromethane	1.523	50	11529	3.011	ug/L	99
5) Vinyl chloride	1.604	62	9625	2.423	ug/L #	23
6) Bromomethane	1.842	94	4721	2.744	ug/L	90
8) Chloroethane	1.929	64	5067	1.962	ug/L	93
9) Trichlorofluoromethane	2.134	101	10790	2.269	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	7695	2.568	ug/L	93
12) 1,1-Dichloroethene	2.578	96	7309	2.611	ug/L #	1
13) Acetone	2.626	43	10663	3.801	ug/L	97
14) Carbon disulfide	2.790	76	17891	2.307	ug/L	98
15) Methyl Acetate	2.951	43	8714	2.279	ug/L	99
16) Methylene chloride	3.044	84	14296	3.200	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	6425	2.130	ug/L	87
18) Methyl tert-butyl Ether	3.363	73	20494	2.195	ug/L	100
19) 1,1-Dichloroethane	3.871	63	13472	2.195	ug/L	90
20) cis-1,2-Dichloroethene	4.668	96	8480	2.409	ug/L	90
22) 2-Butanone	4.710	43	11479	3.624	ug/L #	68
23) Bromochloromethane	4.973	128	4421	2.276	ug/L	89
25) Chloroform	5.086	83	16794	2.622	ug/L	98

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 Response via : Initial Calibration

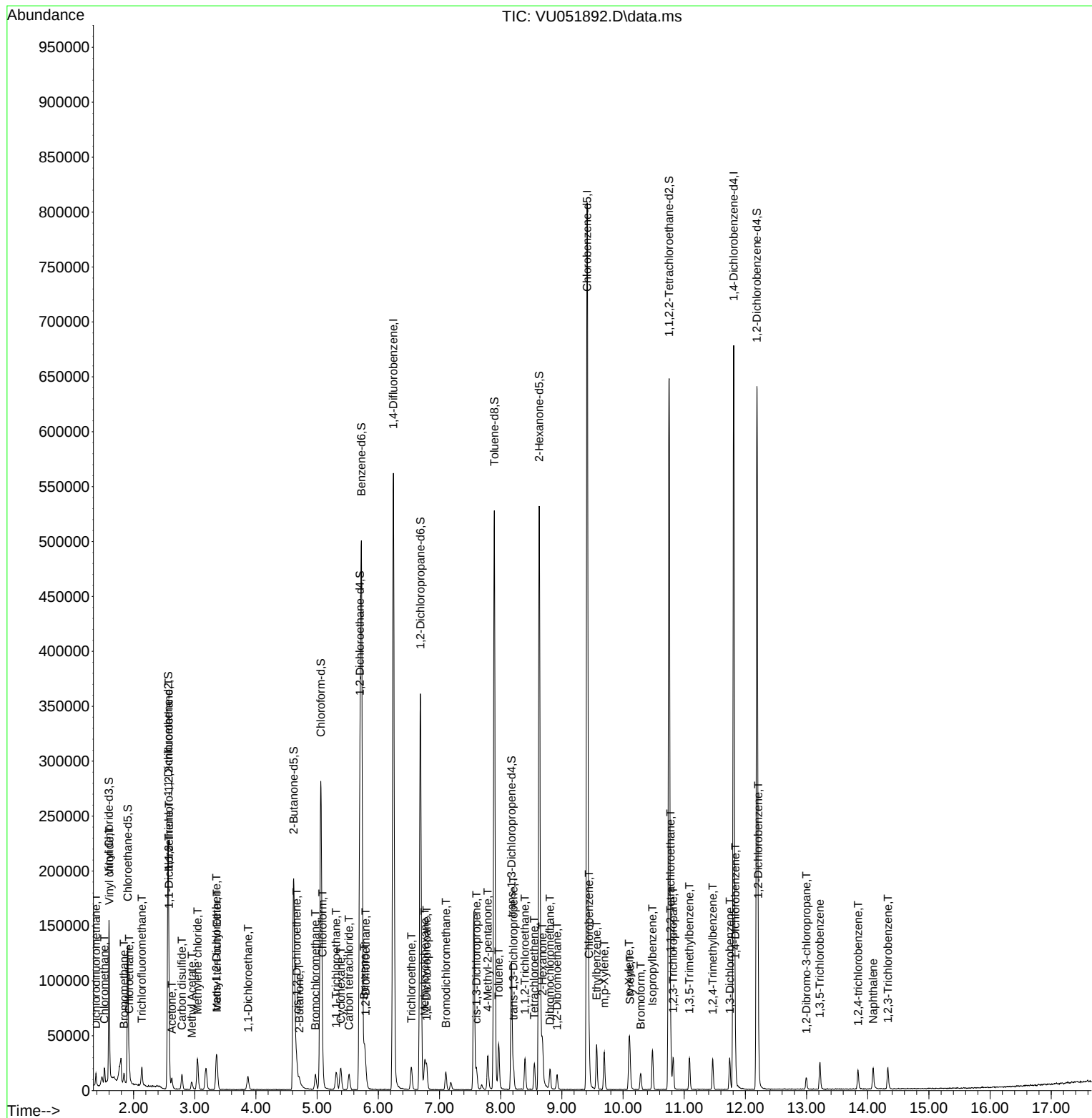
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	11683	2.468	ug/L #	94
29) Cyclohexane	5.385	56	8338	2.111	ug/L #	92
30) 1,1,1-Trichloroethane	5.311	97	11124	2.377	ug/L	98
31) Carbon tetrachloride	5.520	117	10039	2.566	ug/L	96
33) Benzene	5.771	78	32305	2.426	ug/L	100
34) Trichloroethene	6.539	95	7285	2.309	ug/L	97
35) Methylcyclohexane	6.758	83	9548	2.232	ug/L	98
37) 1,2-Dichloropropane	6.793	63	9242	2.451	ug/L	99
38) Bromodichloromethane	7.105	83	10628	2.253	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	11110	2.253	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	19673	3.962	ug/L	98
42) Toluene	7.967	91	31171	2.276	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	13028	2.757	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	8995	2.348	ug/L	93
46) Tetrachloroethene	8.549	164	5525	2.193	ug/L	98
48) 2-Hexanone	8.684	43	21309	4.997	ug/L	98
49) Dibromochloromethane	8.806	129	9536	2.414	ug/L	96
50) 1,2-Dibromoethane	8.922	107	8829	2.289	ug/L #	97
51) Chlorobenzene	9.443	112	22140	2.366	ug/L	95
52) Ethylbenzene	9.568	91	28215	2.013	ug/L	96
53) m,p-Xylene	9.693	106	9875	1.820	ug/L	100
54) o-Xylene	10.099	106	10001	1.811	ug/L	99
55) Styrene	10.115	104	15384	1.615	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	17248	2.382	ug/L #	98
59) Bromoform	10.288	173	7584	3.007	ug/L #	95
60) 1,2,3-Trichloropropane	10.819	75	12191	2.740	ug/L	95
61) Isopropylbenzene	10.481	105	22446	2.065	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	16213	1.830	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	14324	1.655	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	12477	2.265	ug/L	95
65) 1,4-Dichlorobenzene	11.835	146	13675	2.451	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	15366	2.623	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.996	75	3117	2.736	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	8591	2.350	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	6230	2.150	ug/L	99
71) Naphthalene	14.089	128	18018	1.891	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	6601	2.082	ug/L	94

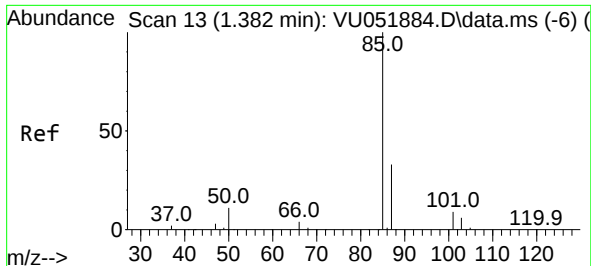
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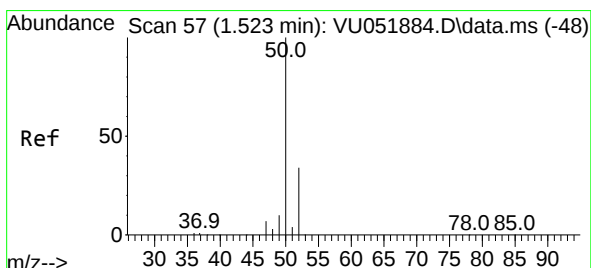
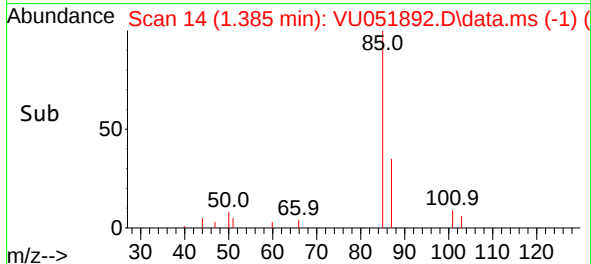
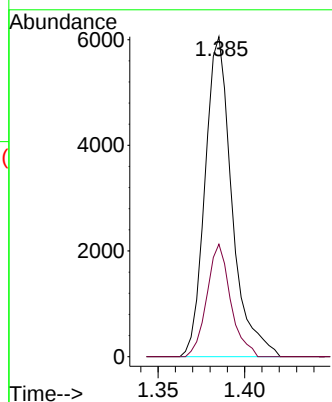
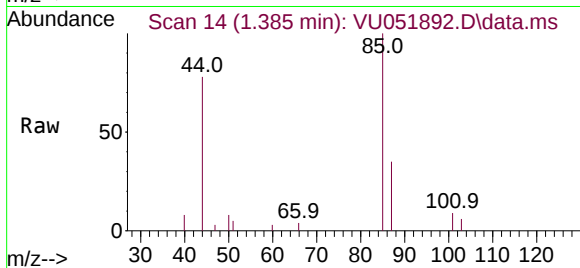




#2
Dichlorodifluoromethane
Concen: 2.265 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

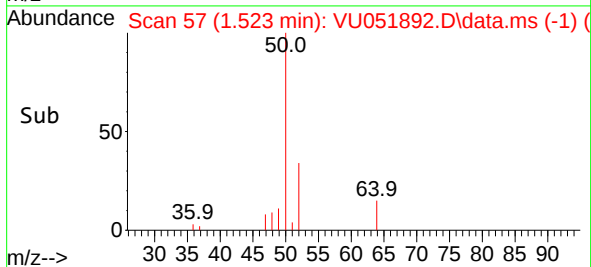
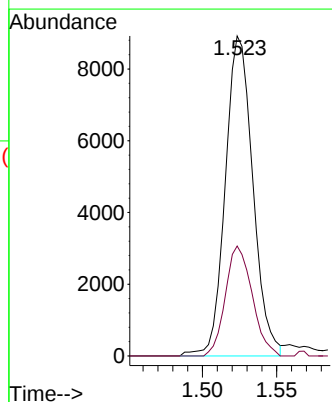
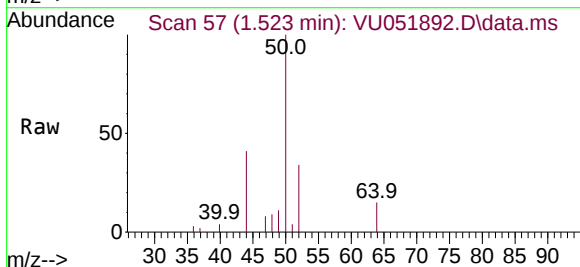
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MSVOA_U
ClientSampleId :
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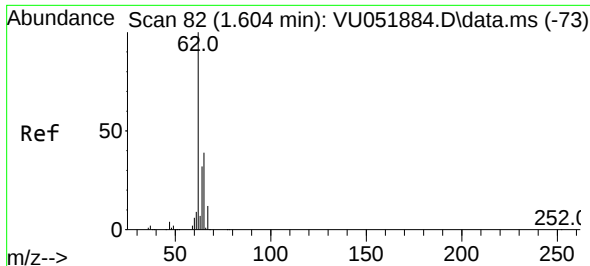
Tgt Ion: 85 Resp: 6531
Ion Ratio Lower Upper
85 100
87 31.0 26.0 39.0



#3
Chloromethane
Concen: 3.011 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion: 50 Resp: 11529
Ion Ratio Lower Upper
50 100
52 34.3 23.4 43.6

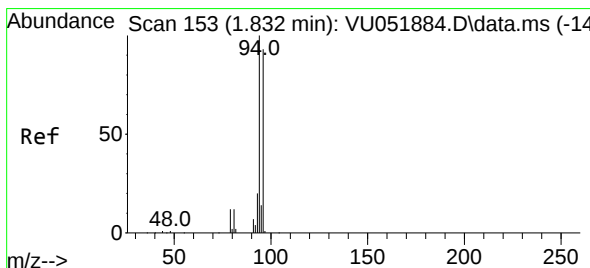
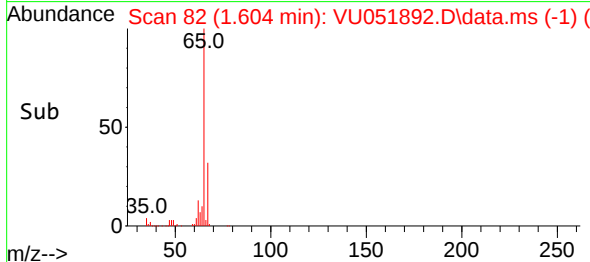
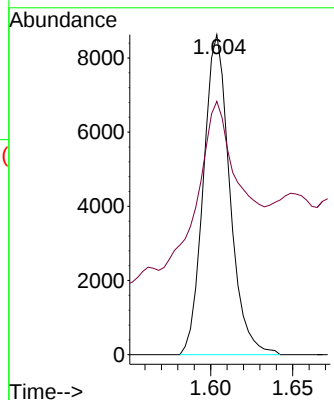
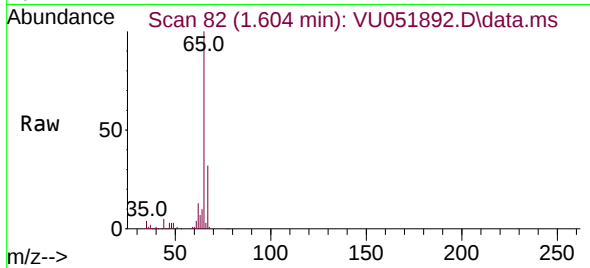




#5
 Vinyl chloride
 Concen: 2.423 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051892.D
 Acq: 17 Nov 2022 13:26

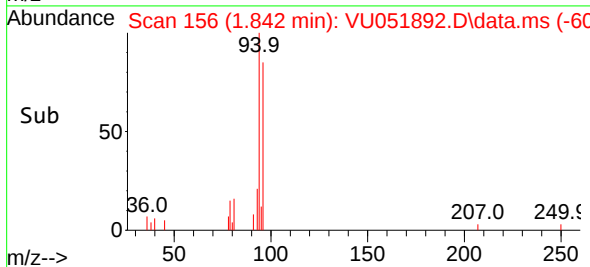
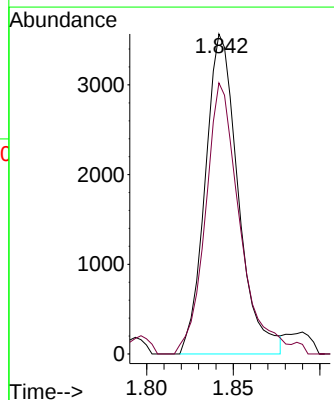
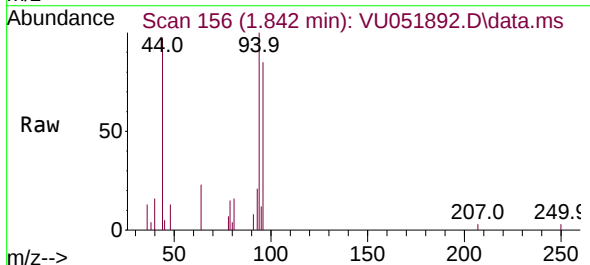
Instrument :
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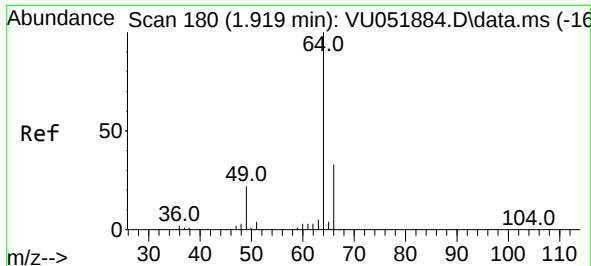
Tgt Ion: 62 Resp: 9625
 Ion Ratio Lower Upper
 62 100
 64 79.1 24.3 45.1#



#6
 Bromomethane
 Concen: 2.744 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.010 min
 Lab File: VU051892.D
 Acq: 17 Nov 2022 13:26

Tgt Ion: 94 Resp: 4721
 Ion Ratio Lower Upper
 94 100
 96 84.7 66.1 122.7

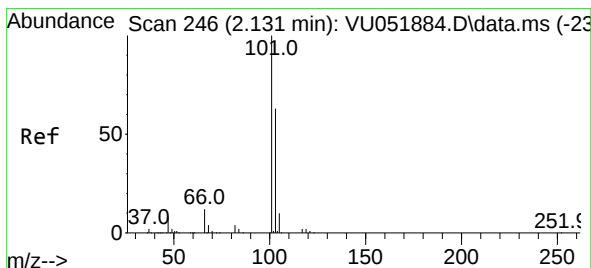
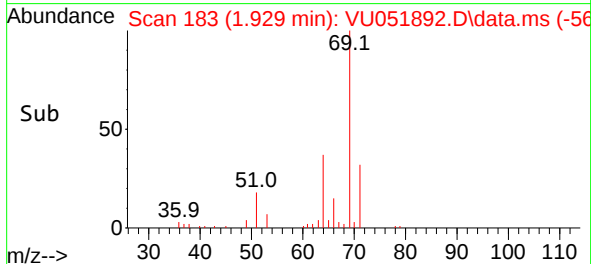
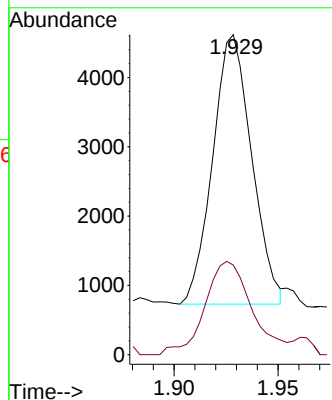
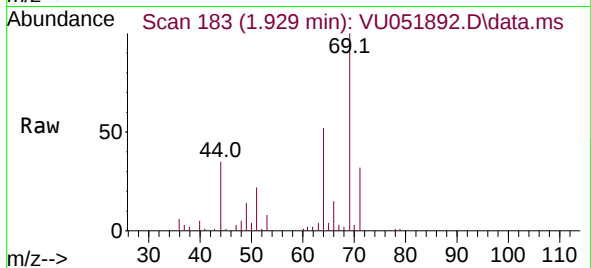




#8
Chloroethane
Concen: 1.962 ug/L
RT: 1.929 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

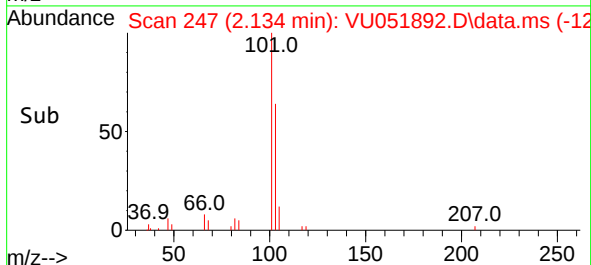
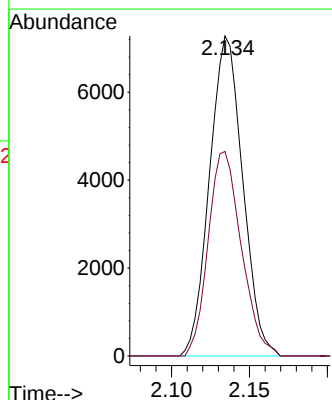
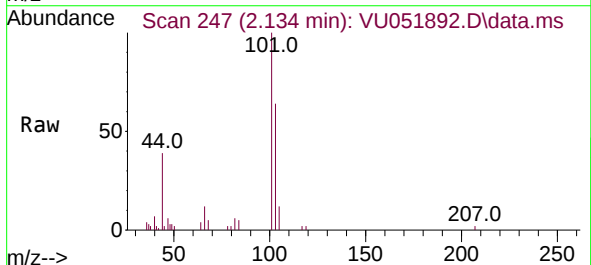
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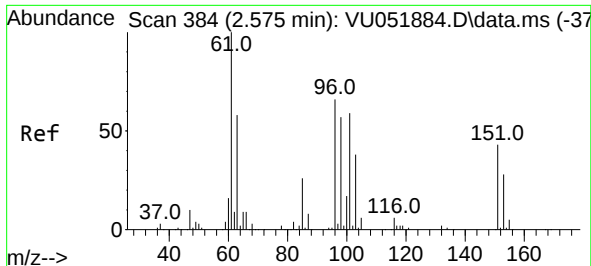
Tgt Ion: 64 Resp: 5067
Ion Ratio Lower Upper
64 100
66 28.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.269 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion: 101 Resp: 10790
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.2

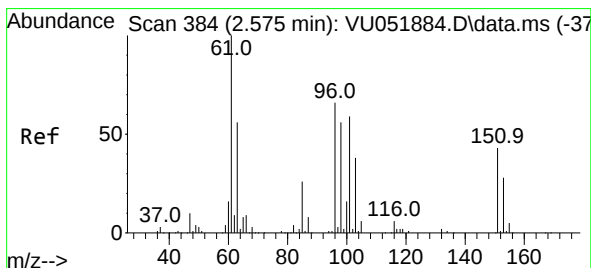
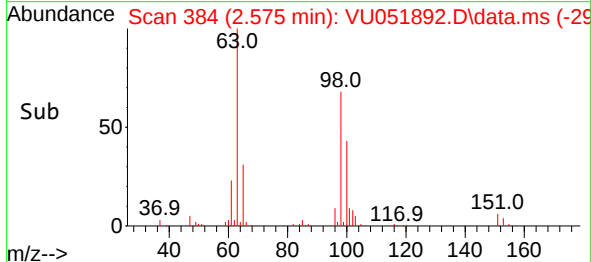
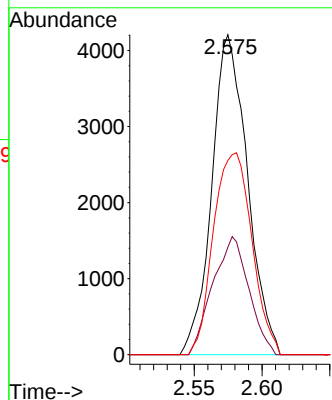
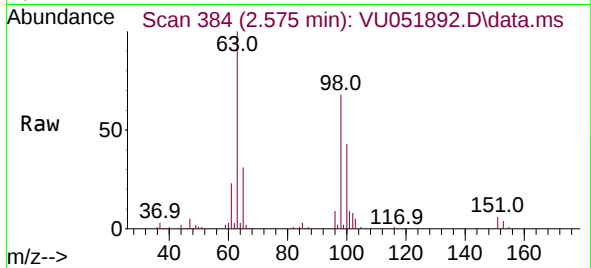




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.568 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU051892.D
 Acq: 17 Nov 2022 13:26

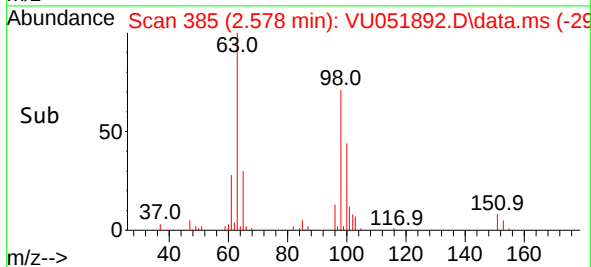
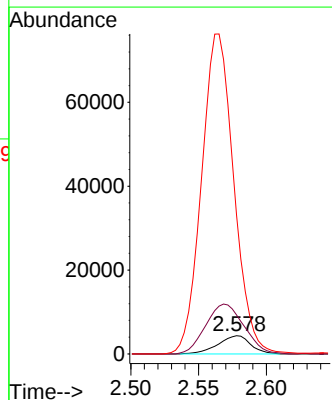
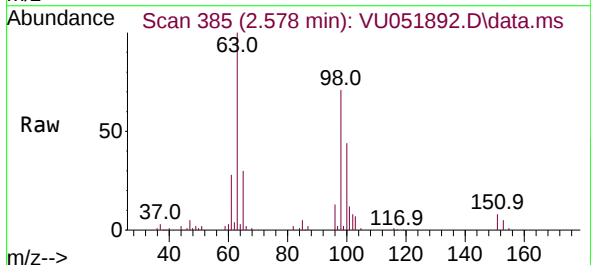
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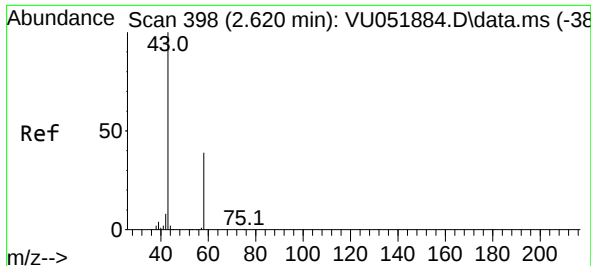
Tgt Ion:101 Resp: 7695
 Ion Ratio Lower Upper
 101 100
 85 37.3 34.2 51.2
 151 68.1 58.3 87.5



#12
 1,1-Dichloroethene
 Concen: 2.611 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU051892.D
 Acq: 17 Nov 2022 13:26

Tgt Ion: 96 Resp: 7309
 Ion Ratio Lower Upper
 96 100
 61 213.9 110.7 205.5#
 63 762.2 68.6 127.4#





#13

Acetone

Concen: 3.801 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.006 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

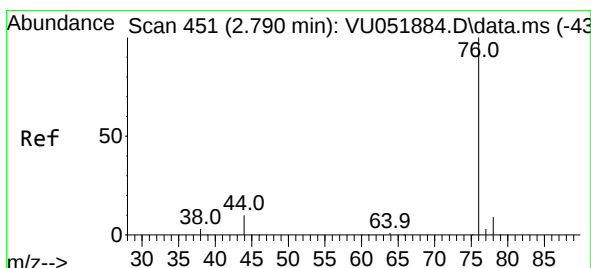
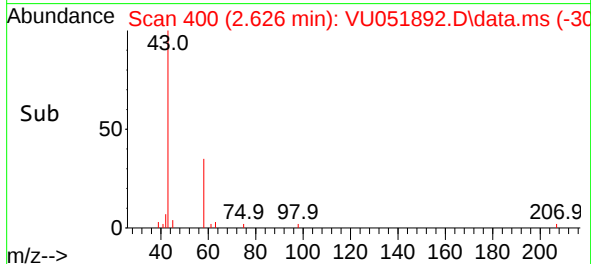
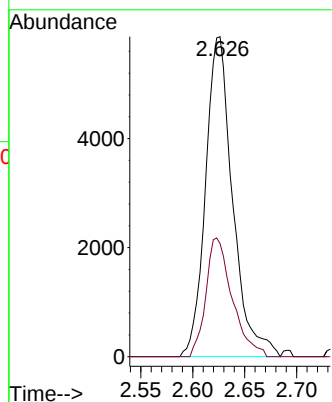
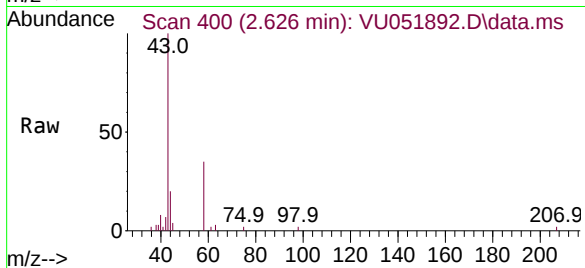
MDL03

Tgt Ion: 43 Resp: 10663

Ion Ratio Lower Upper

43 100

58 35.9 0.0 75.4



#14

Carbon disulfide

Concen: 2.307 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051892.D

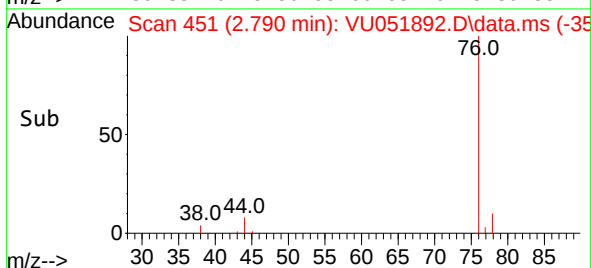
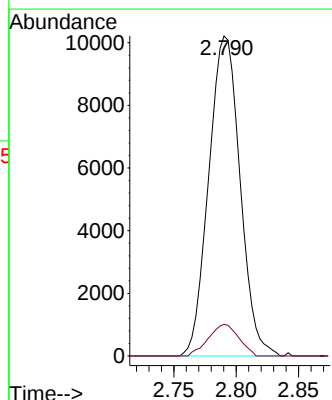
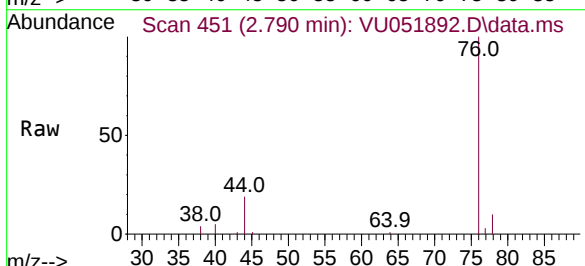
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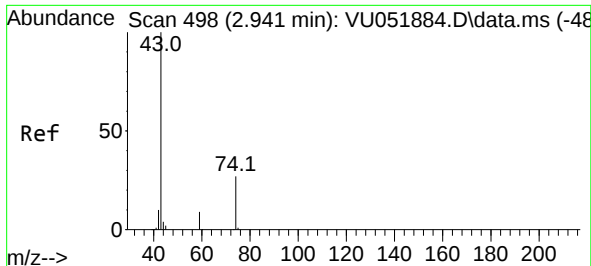
Tgt Ion: 76 Resp: 17891

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.0

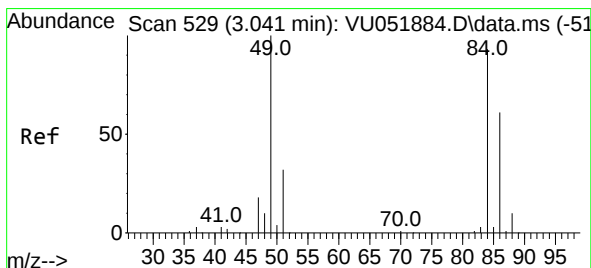
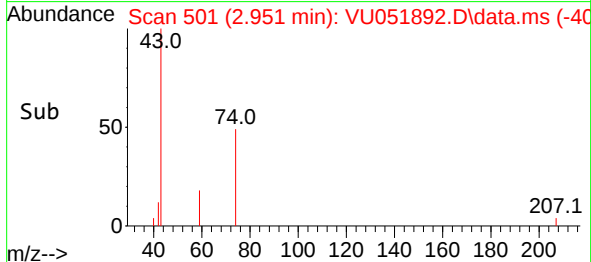
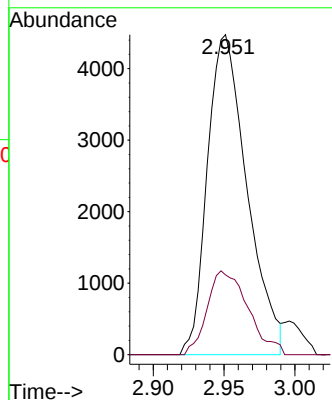
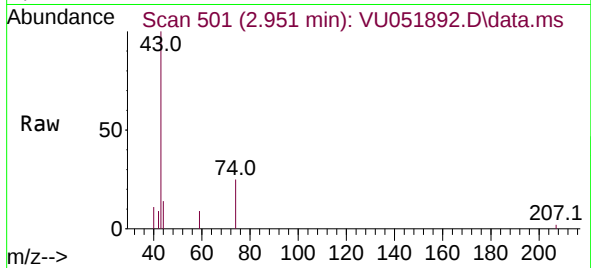




#15
Methyl Acetate
Concen: 2.279 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.010 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

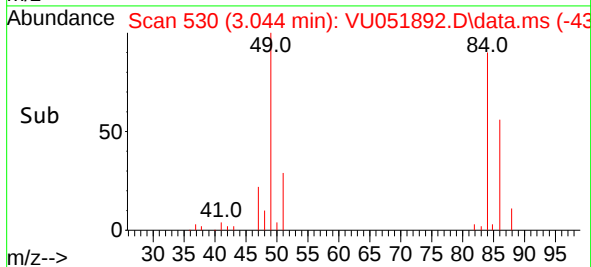
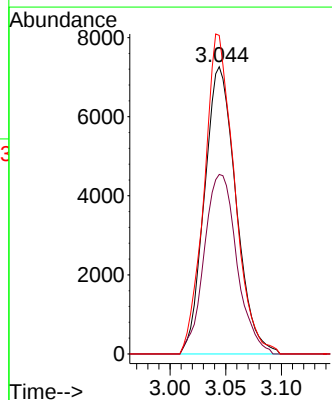
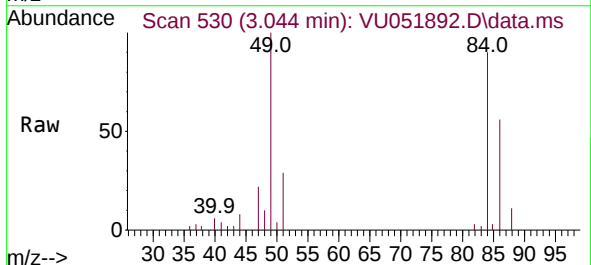
Instrument :
MSVOA_U
ClientSampleId :
MDL03

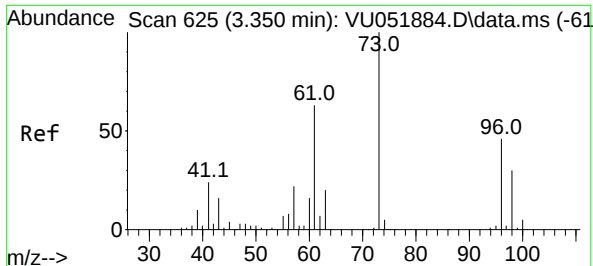
Tgt Ion: 43 Resp: 8714
Ion Ratio Lower Upper
43 100
74 27.0 21.8 32.8



#16
Methylene chloride
Concen: 3.200 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion: 84 Resp: 14296
Ion Ratio Lower Upper
84 100
86 62.5 44.7 82.9
49 110.9 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 2.130 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL03

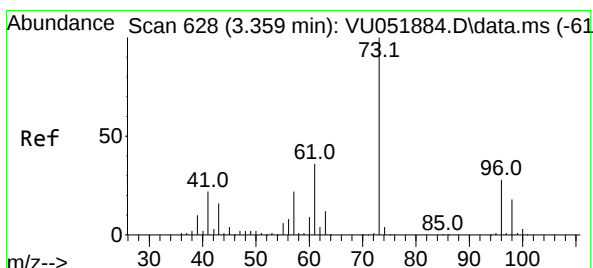
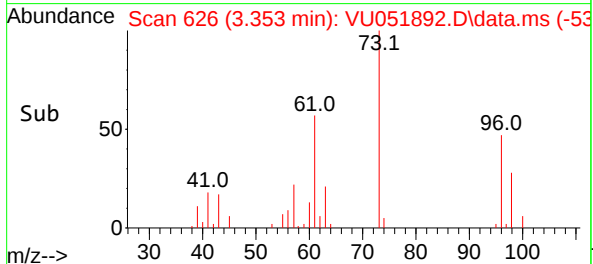
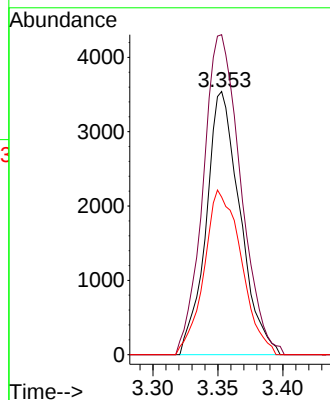
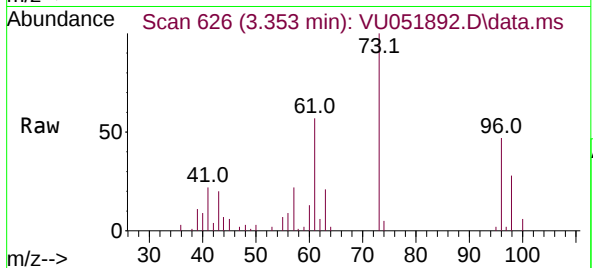
Tgt Ion: 96 Resp: 6425

Ion Ratio Lower Upper

96 100

61 121.6 98.3 182.7

98 59.9 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 2.195 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

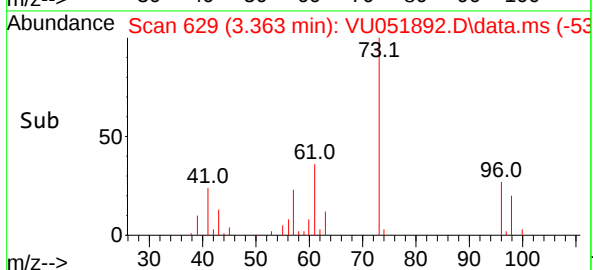
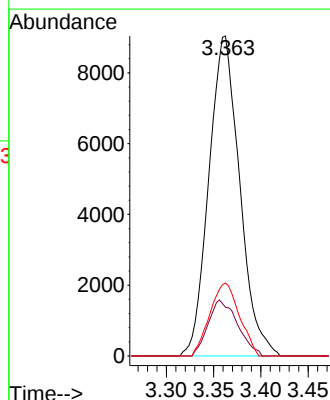
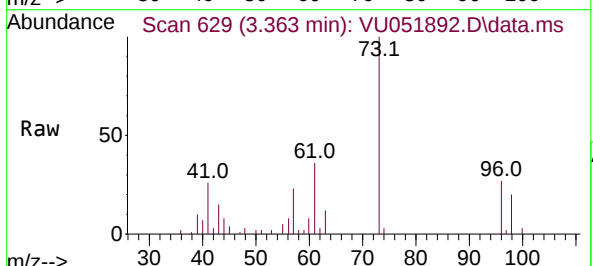
Tgt Ion: 73 Resp: 20494

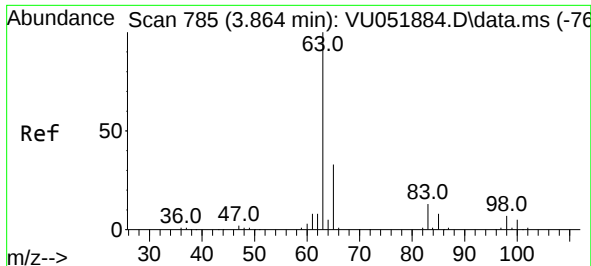
Ion Ratio Lower Upper

73 100

43 16.8 13.4 20.0

57 21.8 17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.195 ug/L

RT: 3.871 min Scan# 785

Delta R.T. 0.006 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL03

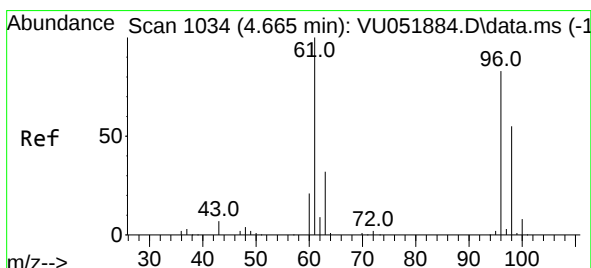
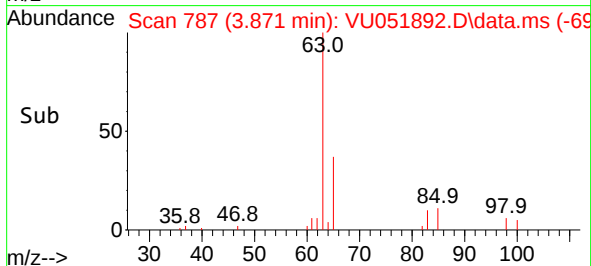
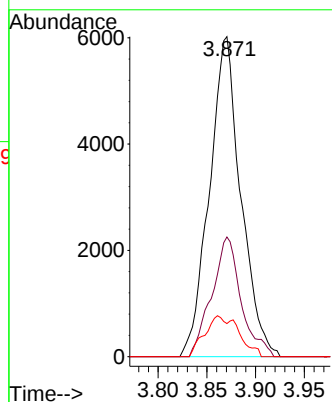
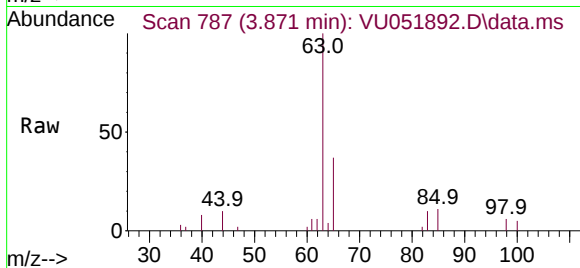
Tgt Ion: 63 Resp: 13472

Ion Ratio Lower Upper

63 100

65 37.4 22.2 41.2

83 10.4 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.409 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

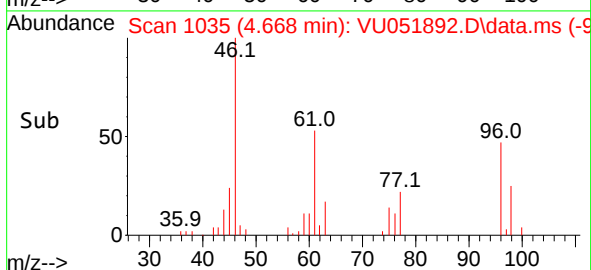
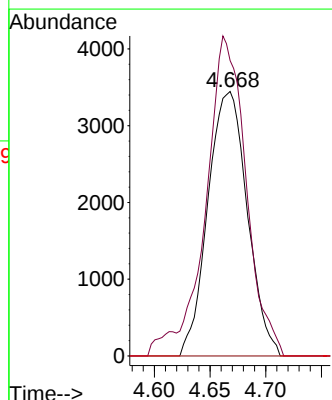
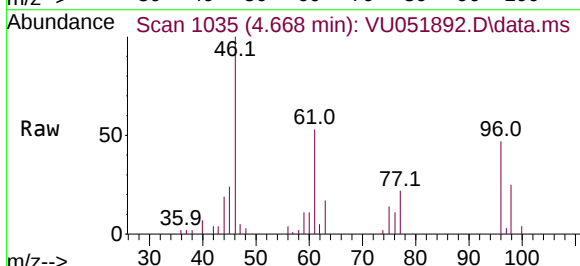
Tgt Ion: 96 Resp: 8480

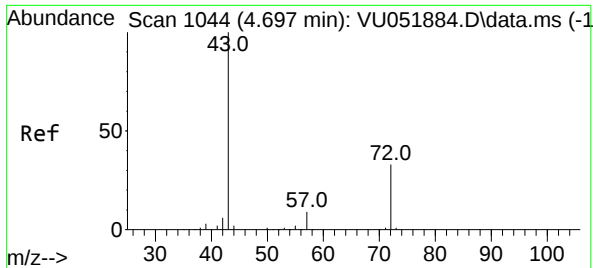
Ion Ratio Lower Upper

96 100

61 111.7 86.0 159.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.624 ug/L

RT: 4.710 min Scan# 11479

Delta R.T. 0.013 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

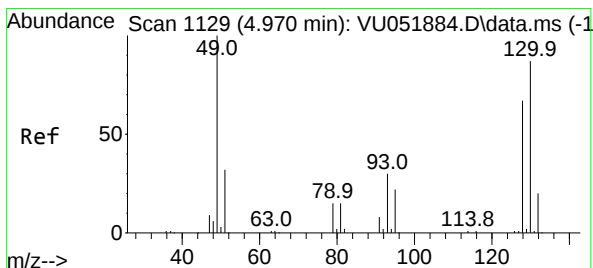
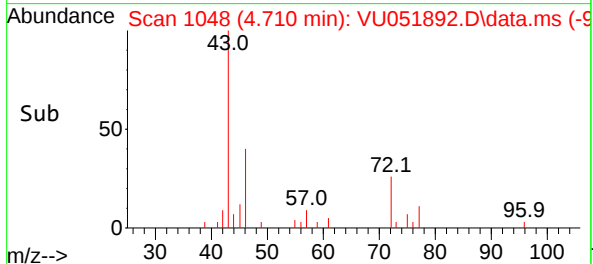
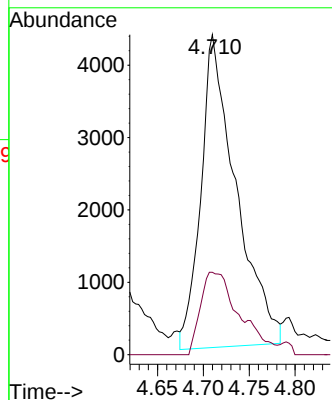
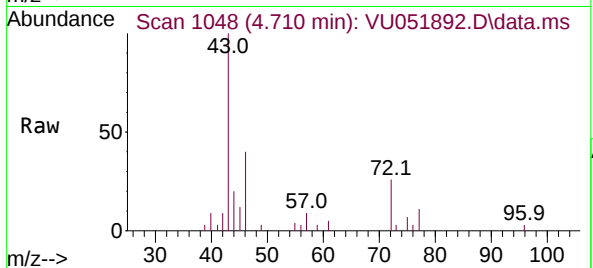
MDL03

Tgt Ion: 43 Resp: 11479

Ion Ratio Lower Upper

43 100

72 13.6 15.7 47.1#



#23

Bromochloromethane

Concen: 2.276 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Tgt Ion:128 Resp: 4421

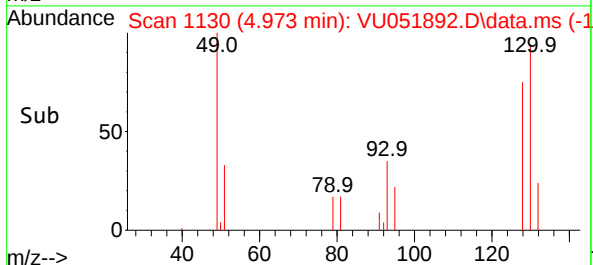
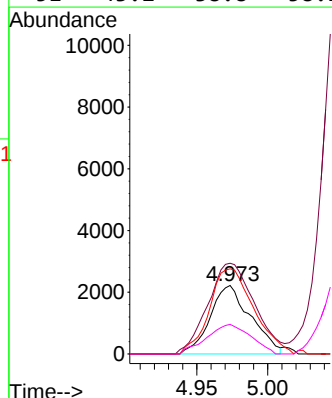
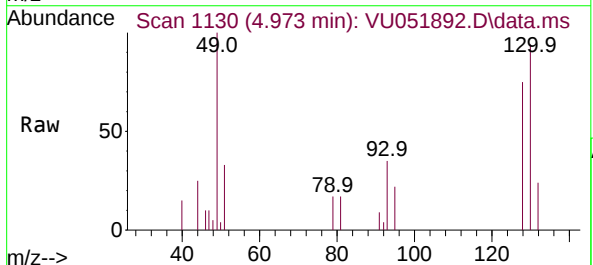
Ion Ratio Lower Upper

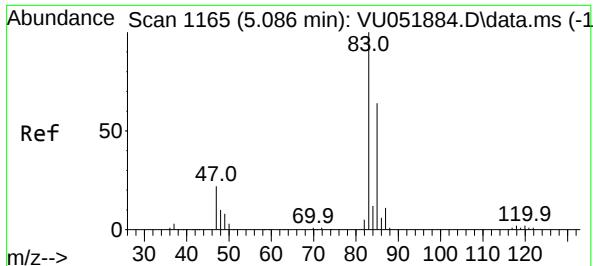
128 100

49 132.6 107.2 199.0

130 124.5 92.5 171.7

51 43.2 38.8 58.2





#25

Chloroform

Concen: 2.622 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

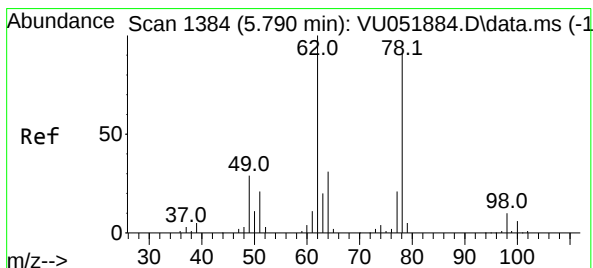
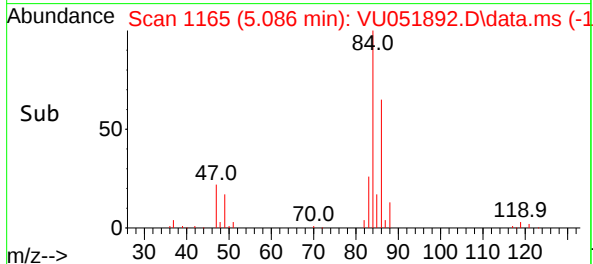
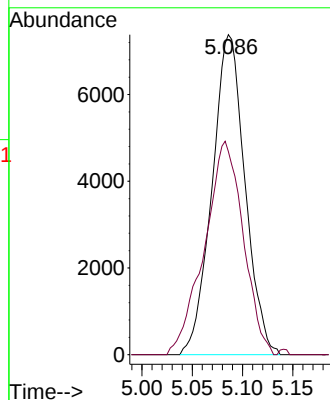
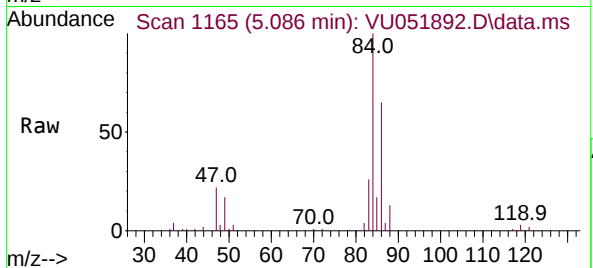
MDL03

Tgt Ion: 83 Resp: 16794

Ion Ratio Lower Upper

83 100

85 63.5 45.6 84.8



#27

1,2-Dichloroethane

Concen: 2.468 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051892.D

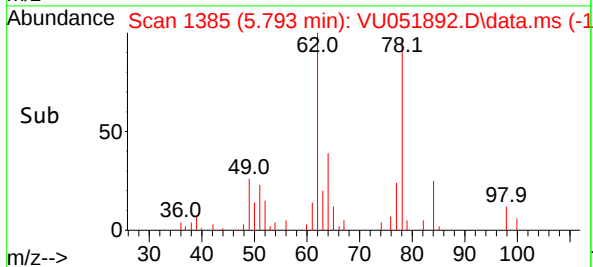
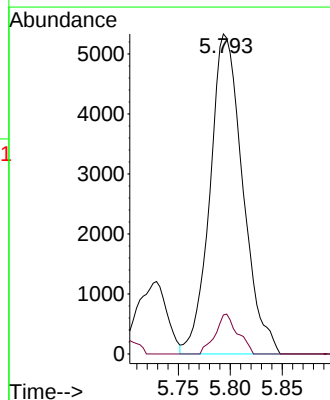
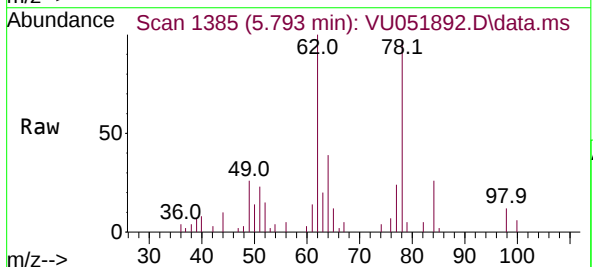
Acq: 17 Nov 2022 13:26

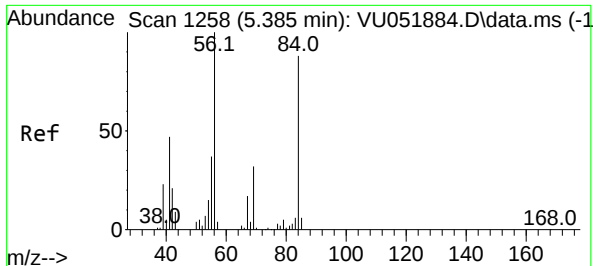
Tgt Ion: 62 Resp: 11683

Ion Ratio Lower Upper

62 100

98 12.2 8.1 12.1#





#29

Cyclohexane

Concen: 2.111 ug/L

RT: 5.385 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL03

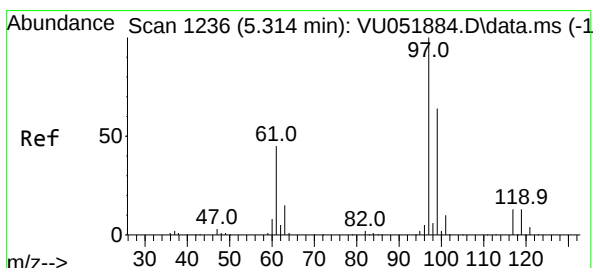
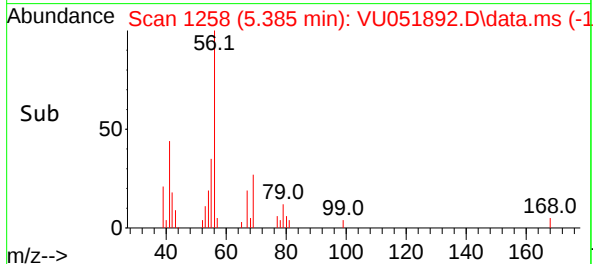
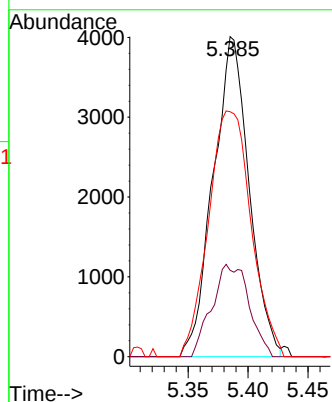
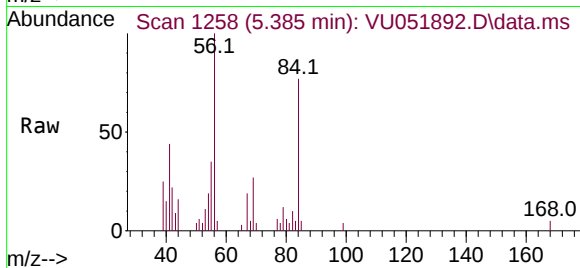
Tgt Ion: 56 Resp: 8338

Ion Ratio Lower Upper

56 100

69 18.1 25.4 38.2#

84 91.3 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 2.377 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

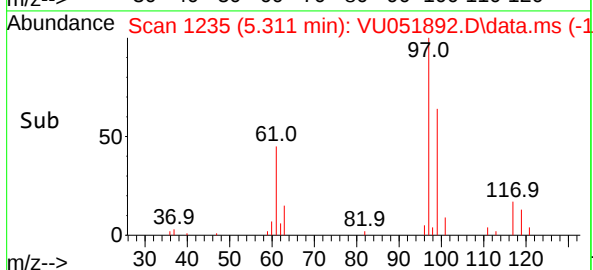
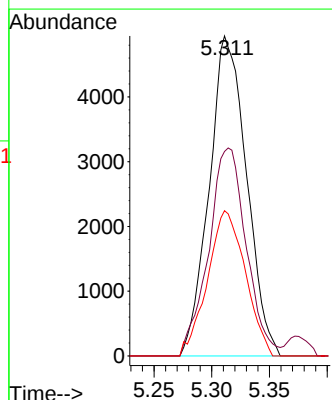
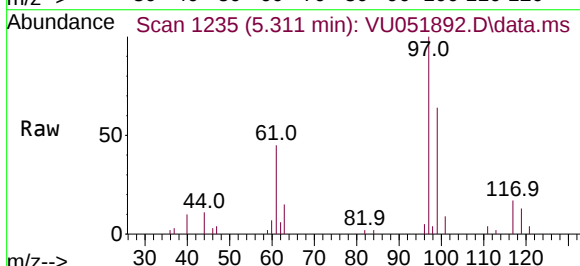
Tgt Ion: 97 Resp: 11124

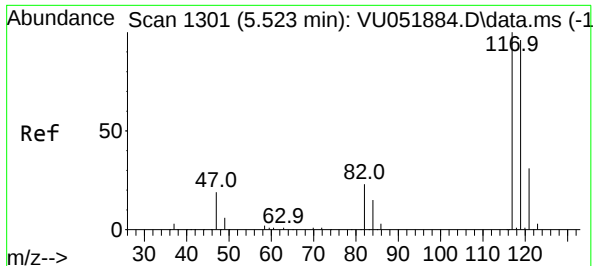
Ion Ratio Lower Upper

97 100

99 65.5 51.2 76.8

61 45.9 37.4 56.2

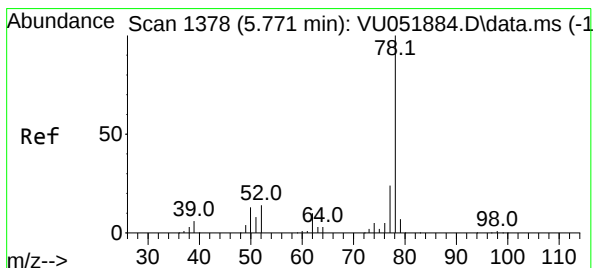
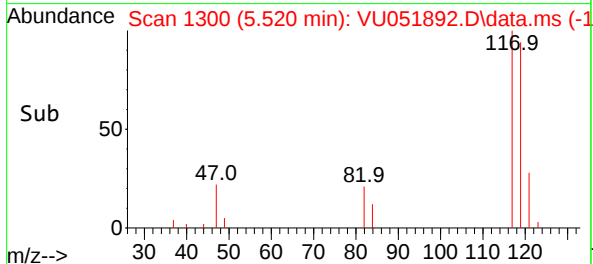
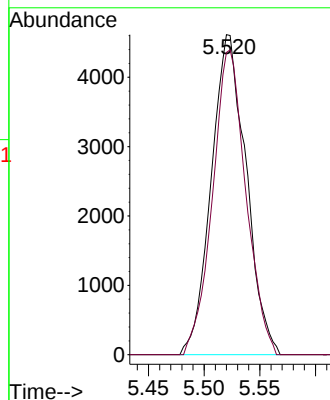
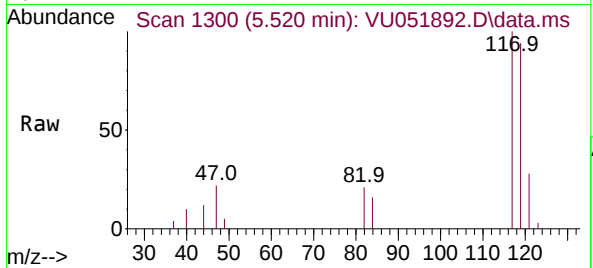




#31
Carbon tetrachloride
Concen: 2.566 ug/L
RT: 5.520 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

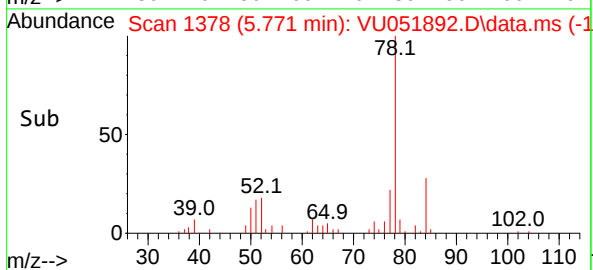
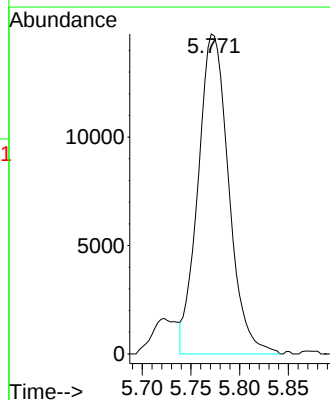
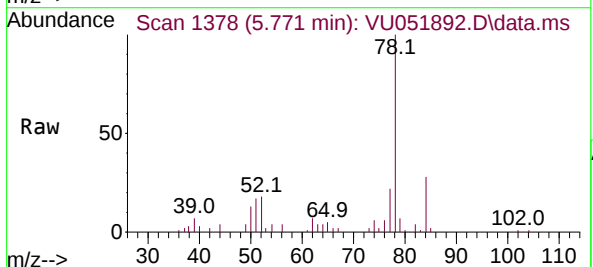
Instrument :
MSVOA_U
ClientSampleId :
MDL03

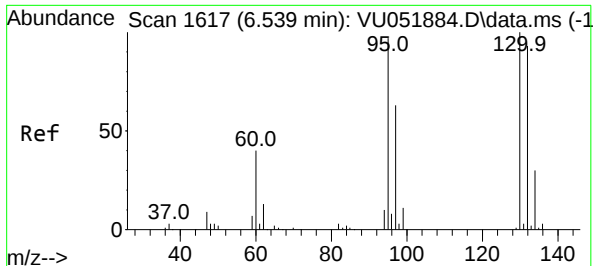
Tgt Ion:117 Resp: 10039
Ion Ratio Lower Upper
117 100
119 91.0 75.6 113.4



#33
Benzene
Concen: 2.426 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion: 78 Resp: 32305



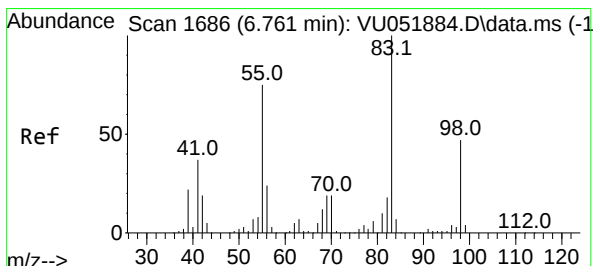
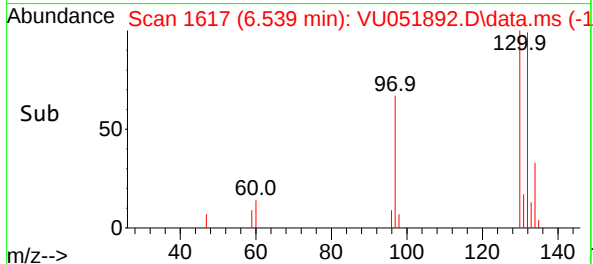
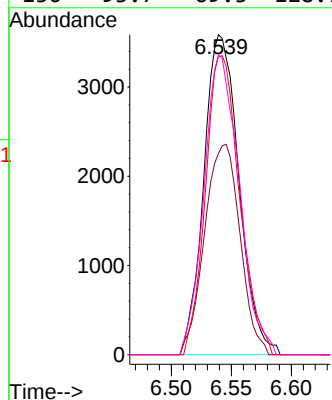
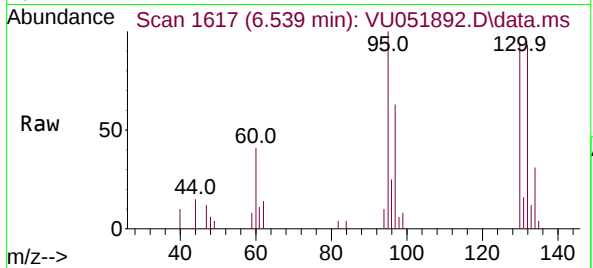


#34
Trichloroethene
Concen: 2.309 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 95 Resp: 7285

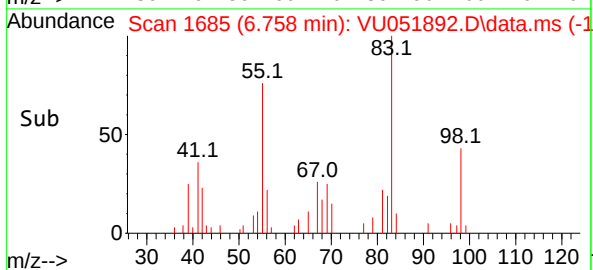
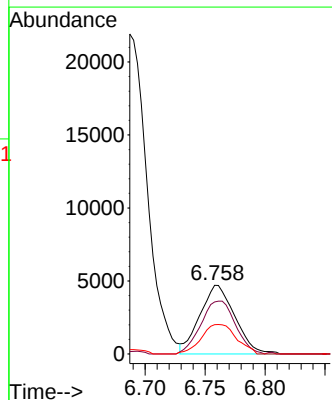
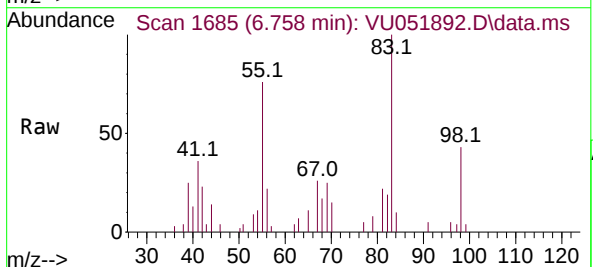
Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.8	85.0
132	93.2	65.3	121.3
130	93.7	69.3	128.7

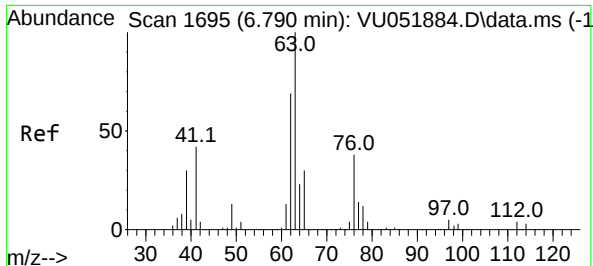


#35
Methylcyclohexane
Concen: 2.232 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion: 83 Resp: 9548

Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.0	90.0
98	42.7	35.8	53.8





#37

1,2-Dichloropropane

Concen: 2.451 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

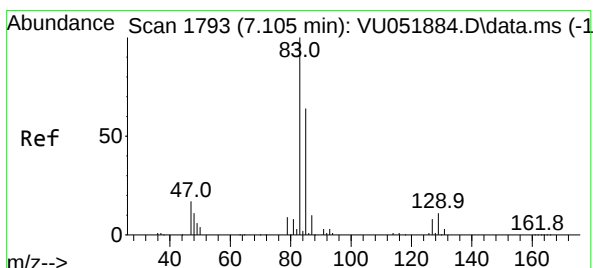
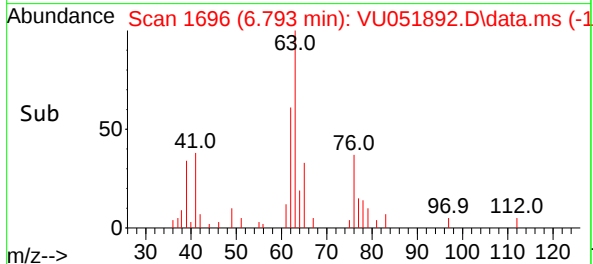
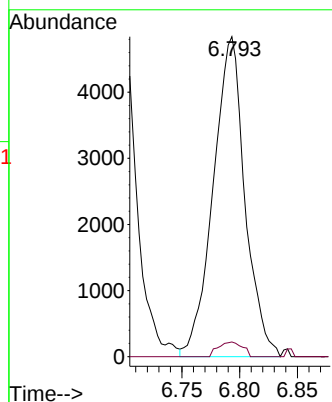
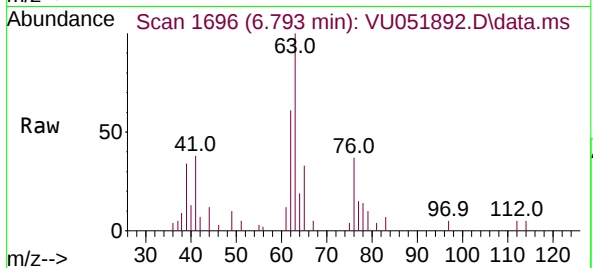
MDL03

Tgt Ion: 63 Resp: 9242

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



#38

Bromodichloromethane

Concen: 2.253 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

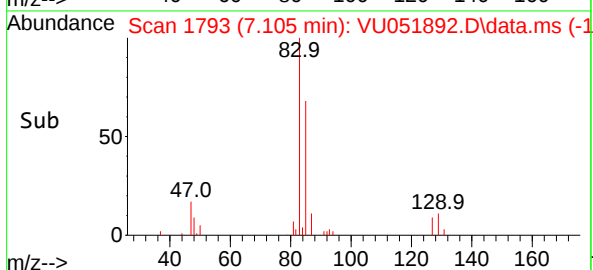
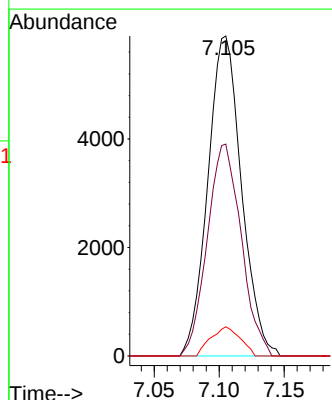
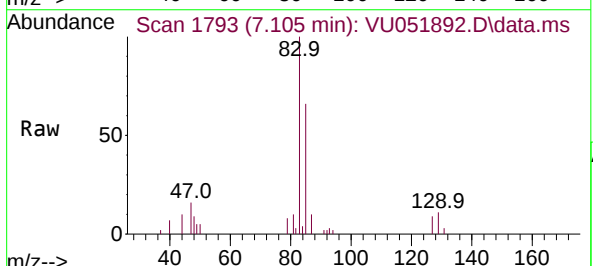
Tgt Ion: 83 Resp: 10628

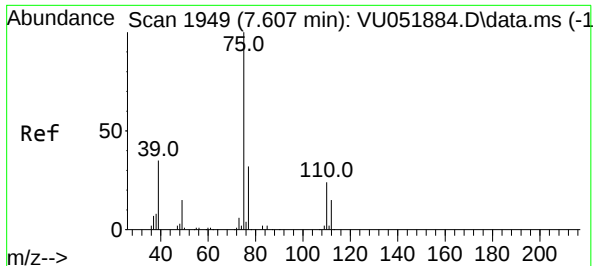
Ion Ratio Lower Upper

83 100

85 66.2 44.6 82.8

127 9.1 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.253 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

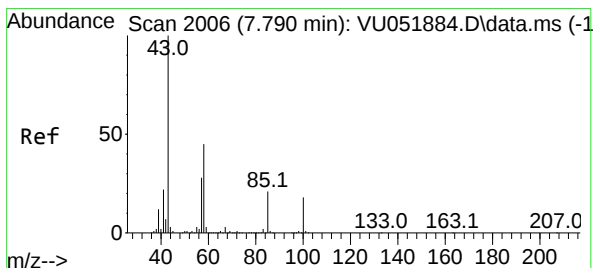
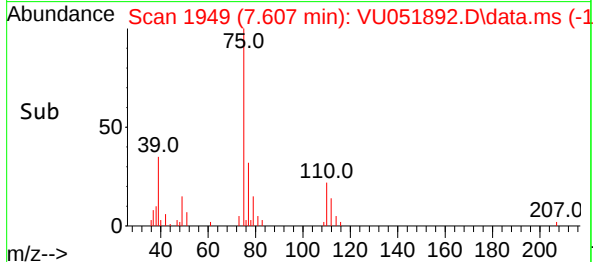
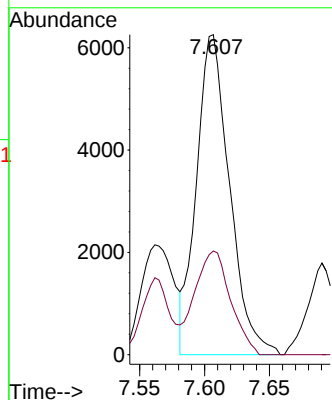
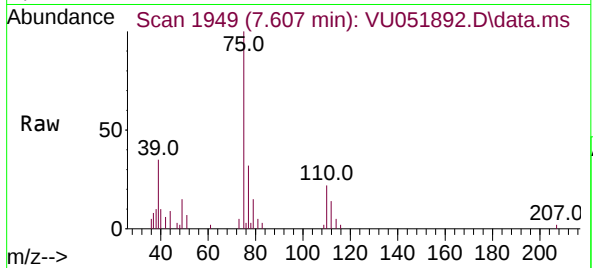
MDL03

Tgt Ion: 75 Resp: 11110

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 3.962 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

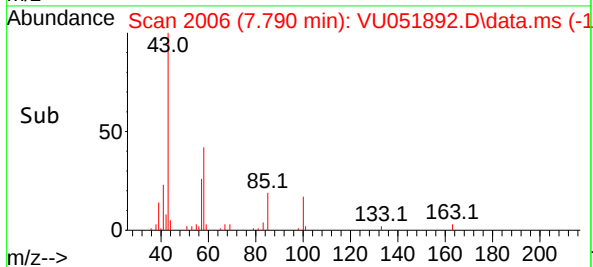
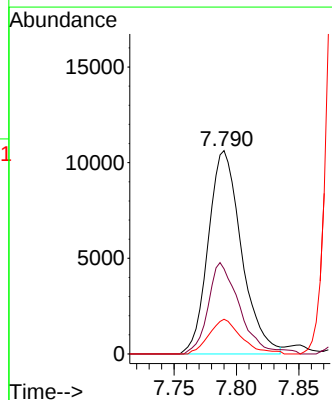
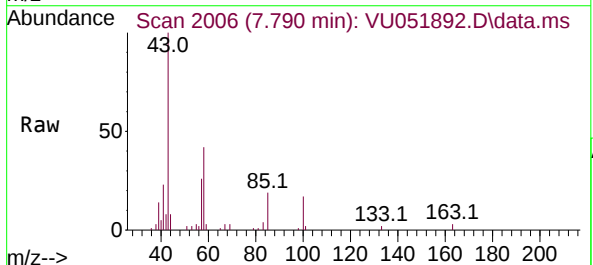
Tgt Ion: 43 Resp: 19673

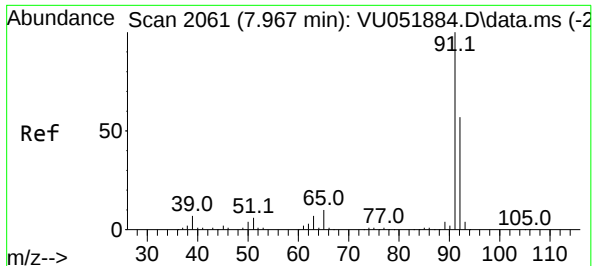
Ion Ratio Lower Upper

43 100

58 42.8 35.4 53.2

100 16.5 13.4 20.0





#42

Toluene

Concen: 2.276 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

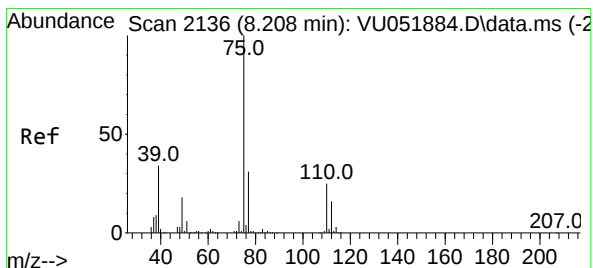
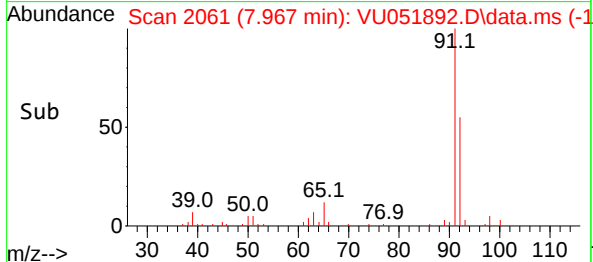
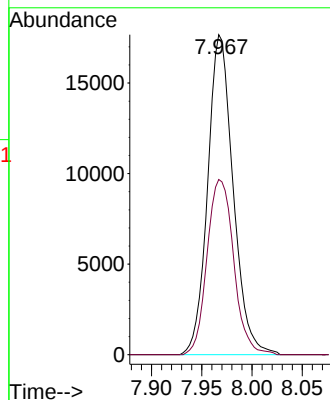
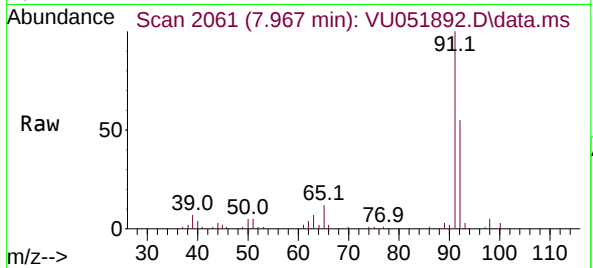
MDL03

Tgt Ion: 91 Resp: 31171

Ion Ratio Lower Upper

91 100

92 54.8 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 2.757 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051892.D

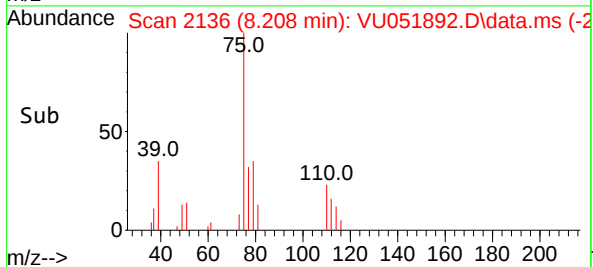
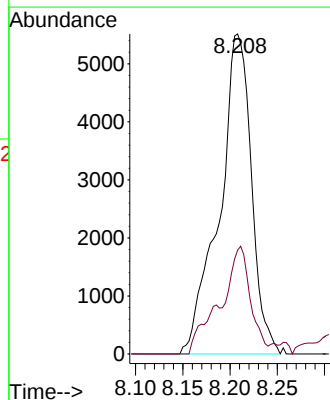
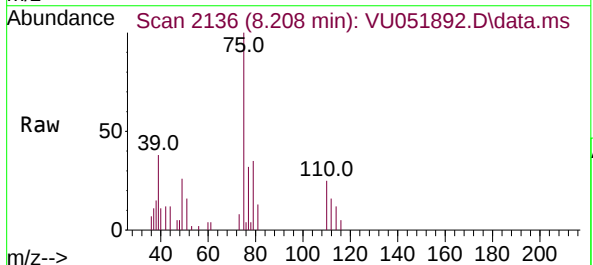
Acq: 17 Nov 2022 13:26

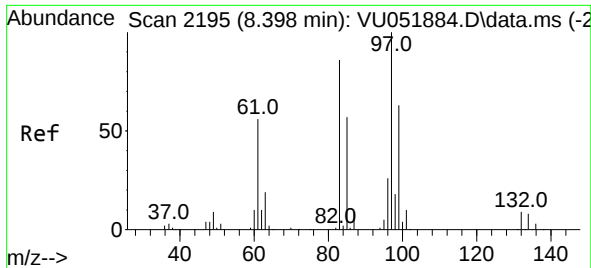
Tgt Ion: 75 Resp: 13028

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.6

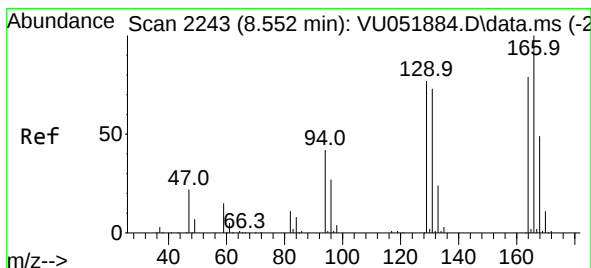
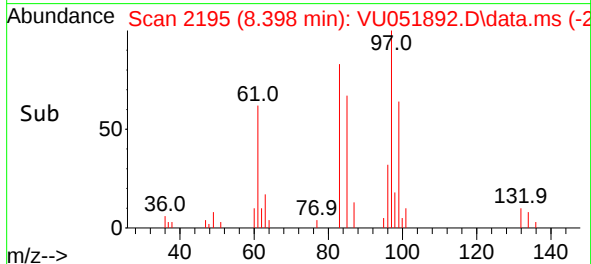
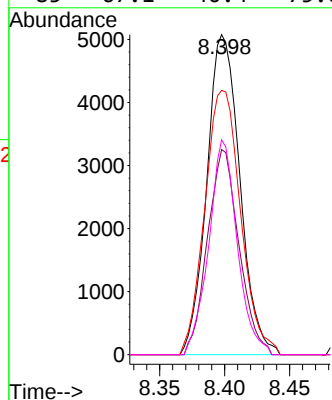
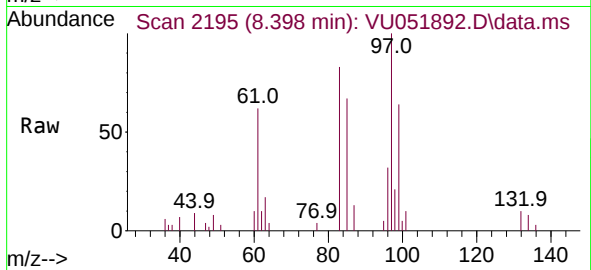




#45
1,1,2-Trichloroethane
Concen: 2.348 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

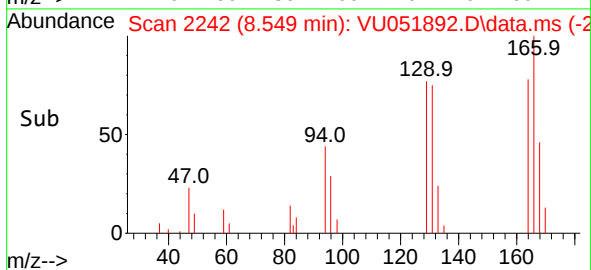
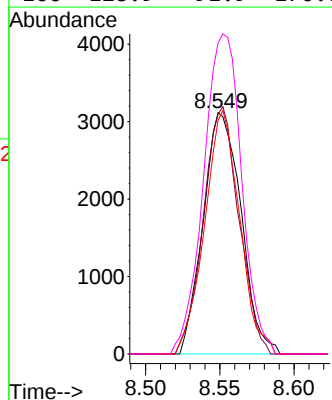
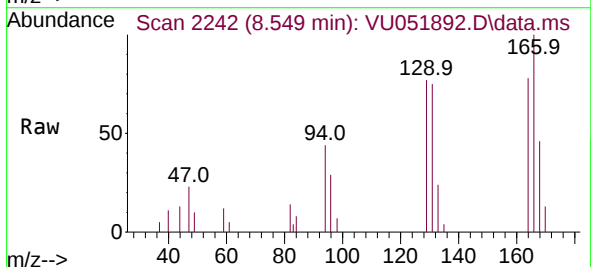
Instrument :
MSVOA_U
ClientSampleId :
MDL03

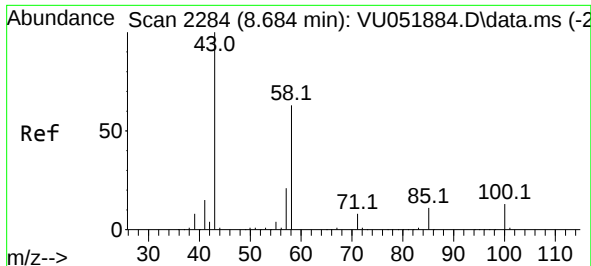
Tgt Ion:	97	Resp:	8995
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.3	82.3
83	82.6	62.3	115.7
85	67.1	40.4	75.0



#46
Tetrachloroethene
Concen: 2.193 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion:	164	Resp:	5525
Ion	Ratio	Lower	Upper
164	100		
129	99.4	68.5	127.1
131	96.9	66.6	123.8
166	128.9	91.9	170.7

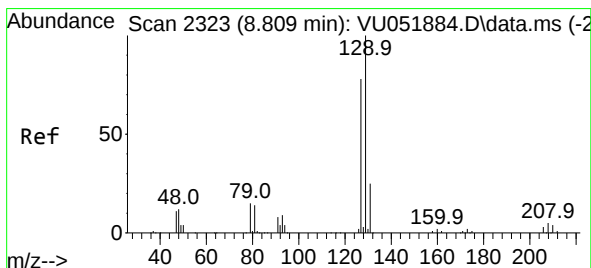
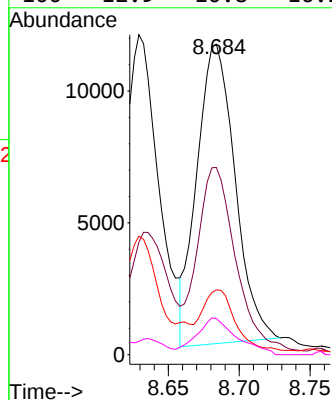
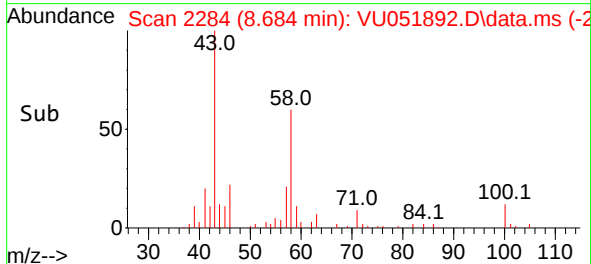
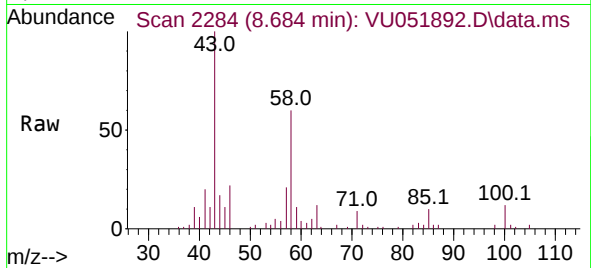




#48
2-Hexanone
Concen: 4.997 ug/L
RT: 8.684 min Scan# 21309
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

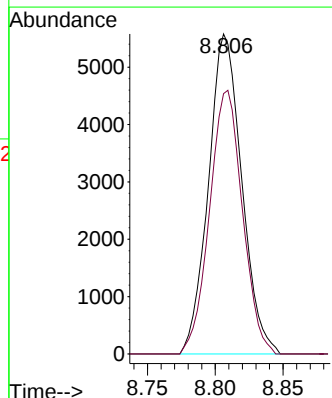
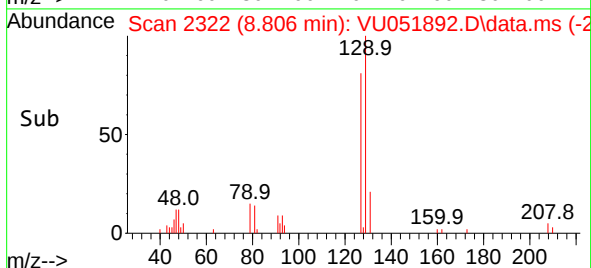
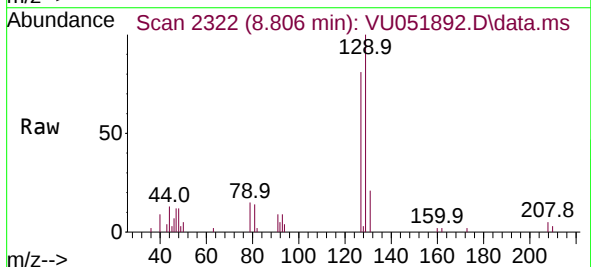
Instrument :
MSVOA_U
ClientSampleId :
MDL03

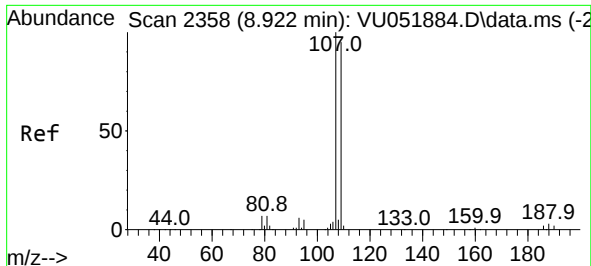
Tgt Ion:	43	Resp:	21309
Ion	Ratio	Lower	Upper
43	100		
58	65.3	50.6	76.0
57	20.4	16.8	25.2
100	12.9	10.8	16.2



#49
Dibromochloromethane
Concen: 2.414 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion:	129	Resp:	9536
Ion	Ratio	Lower	Upper
129	100		
127	81.4	54.4	101.0





#50

1,2-Dibromoethane

Concen: 2.289 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL03

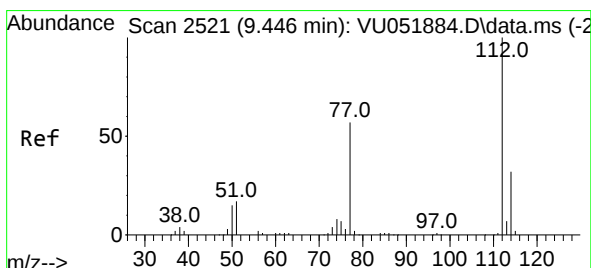
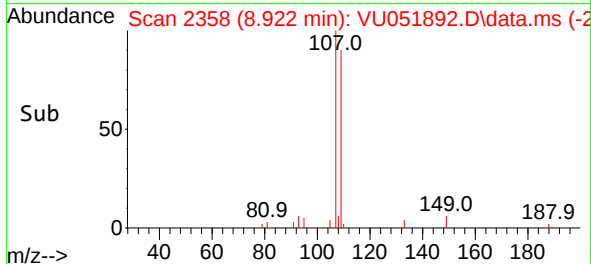
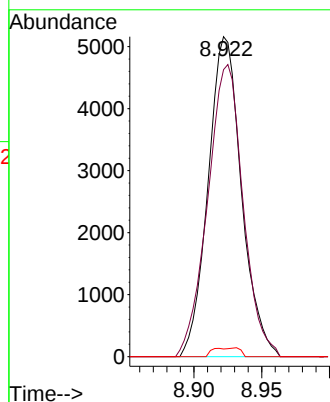
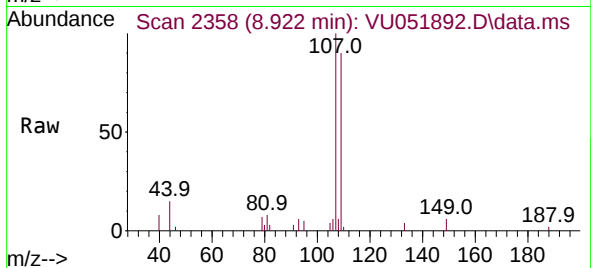
Tgt Ion:107 Resp: 8829

Ion Ratio Lower Upper

107 100

109 89.7 65.0 120.6

188 2.4 2.9 4.3#



#51

Chlorobenzene

Concen: 2.366 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

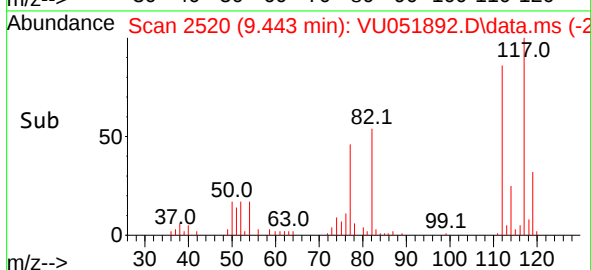
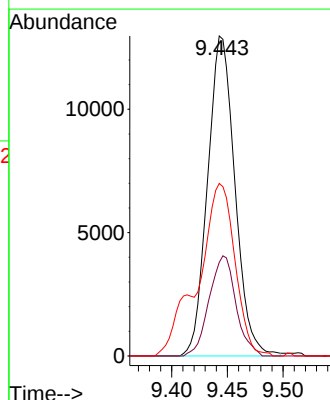
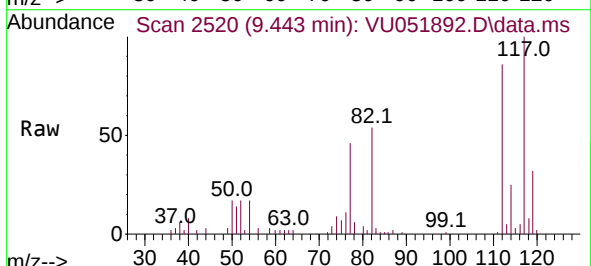
Tgt Ion:112 Resp: 22140

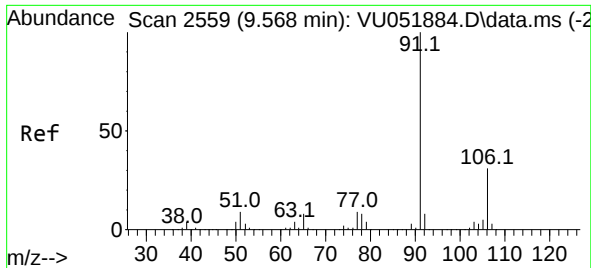
Ion Ratio Lower Upper

112 100

114 29.3 22.2 41.2

77 53.9 46.7 70.1

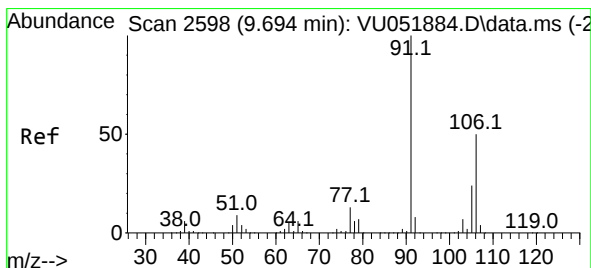
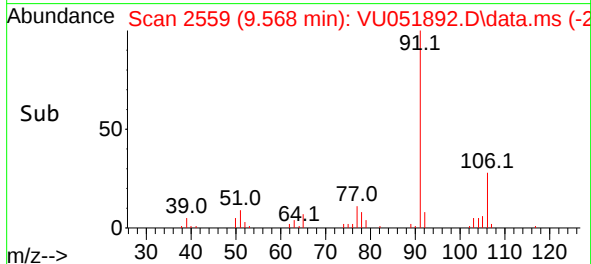
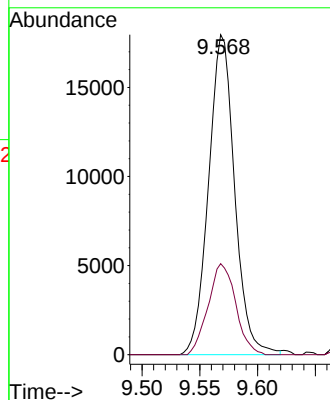
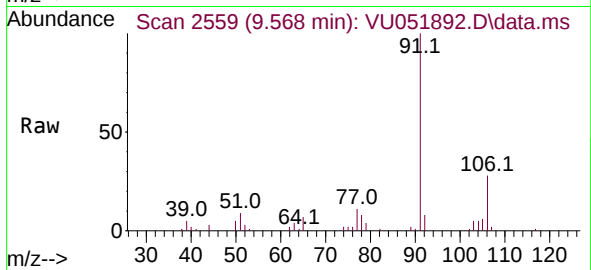




#52
Ethylbenzene
Concen: 2.013 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

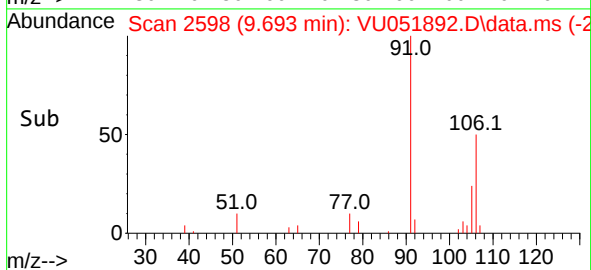
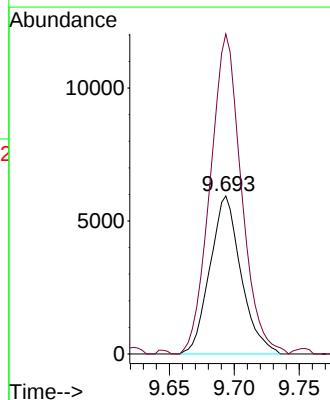
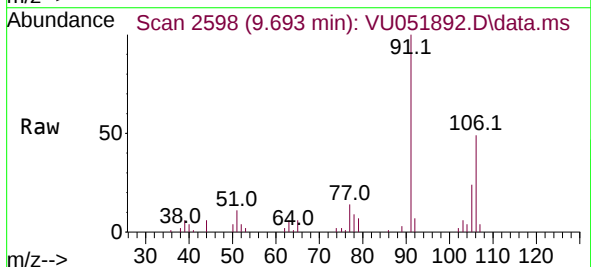
Instrument :
MSVOA_U
ClientSampleId :
MDL03

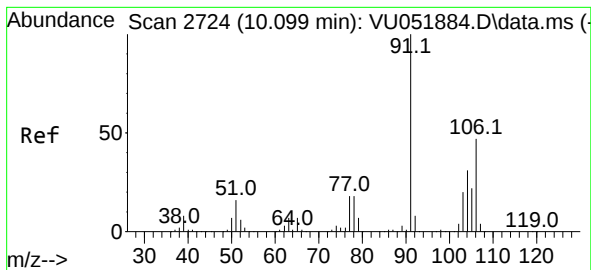
Tgt Ion: 91 Resp: 28215
Ion Ratio Lower Upper
91 100
106 28.5 21.3 39.6



#53
m,p-Xylene
Concen: 1.820 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion: 106 Resp: 9875
Ion Ratio Lower Upper
106 100
91 202.5 141.7 263.3





#54

o-Xylene

Concen: 1.811 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

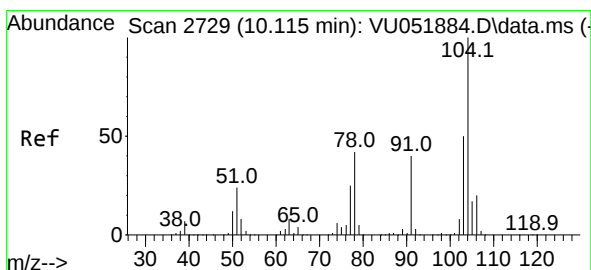
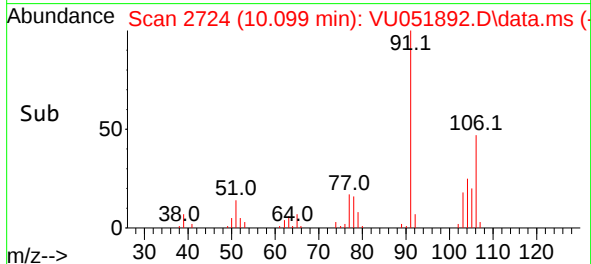
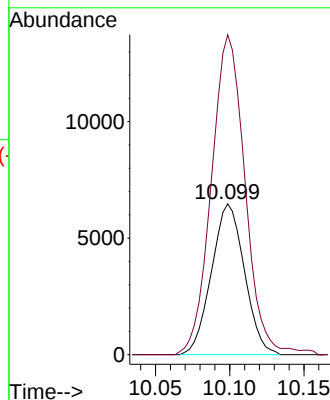
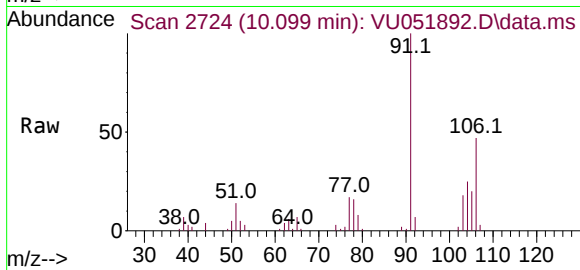
MDL03

Tgt Ion:106 Resp: 10001

Ion Ratio Lower Upper

106 100

91 212.2 149.7 278.1



#55

Styrene

Concen: 1.615 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU051892.D

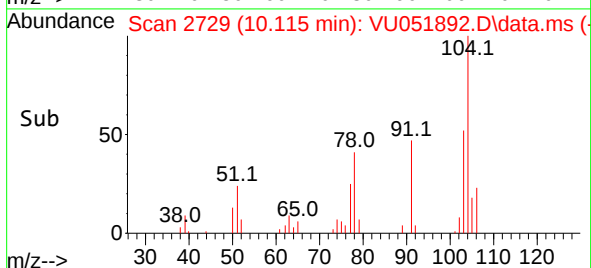
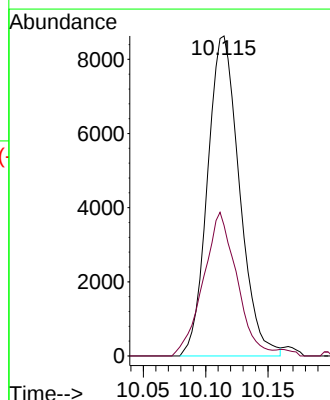
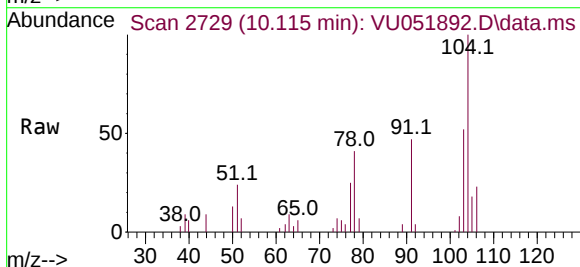
Acq: 17 Nov 2022 13:26

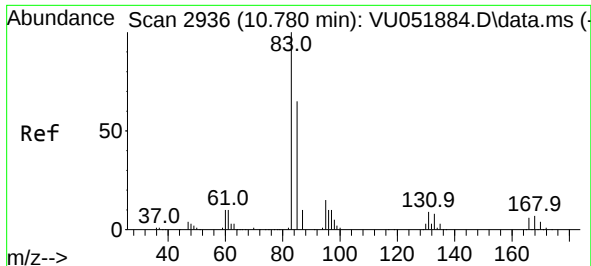
Tgt Ion:104 Resp: 15384

Ion Ratio Lower Upper

104 100

78 40.8 30.3 56.3





#57

1,1,2-Tetrachloroethane

Concen: 2.382 ug/L

RT: 10.777 min Scan# 2936

Delta R.T. -0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL03

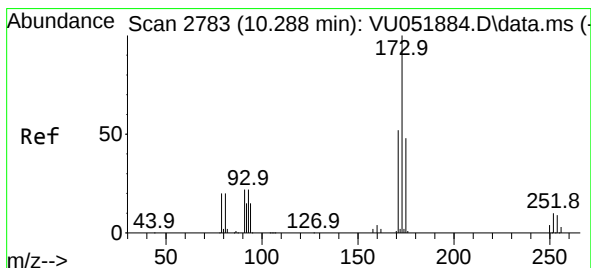
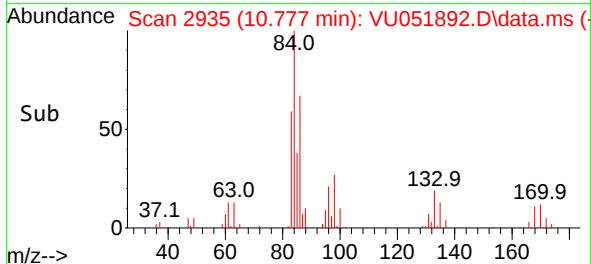
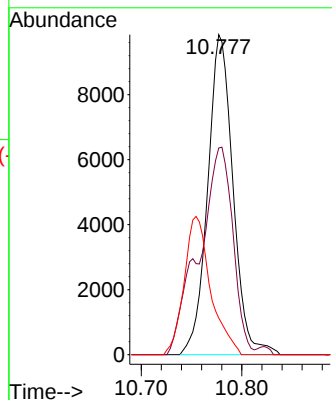
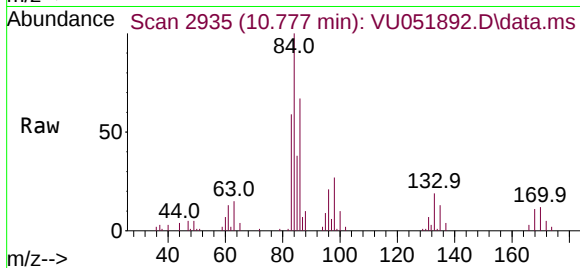
Tgt Ion: 83 Resp: 17248

Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.3

131 11.5 6.8 10.2#



#59

Bromoform

Concen: 3.007 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

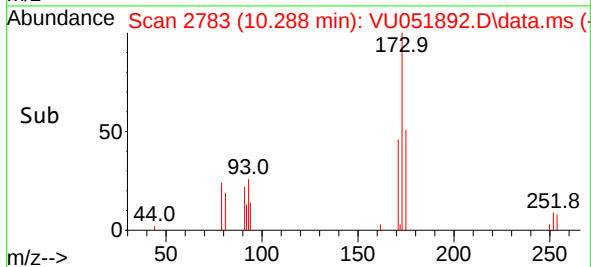
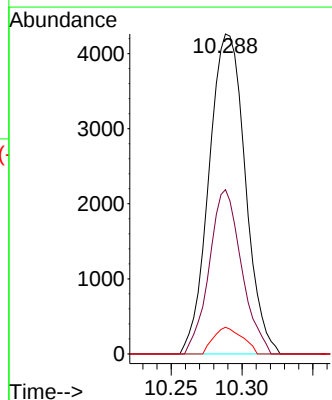
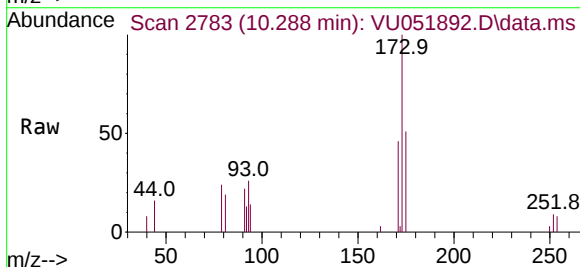
Tgt Ion:173 Resp: 7584

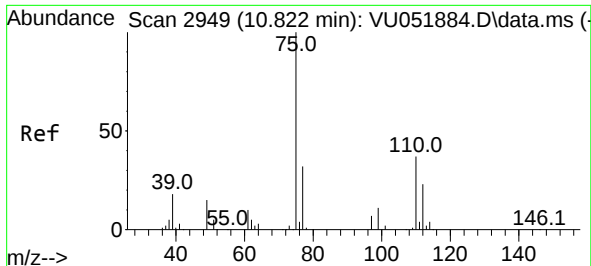
Ion Ratio Lower Upper

173 100

175 45.8 38.9 58.3

254 6.6 7.4 11.2#

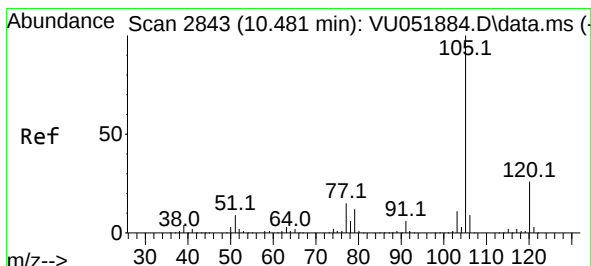
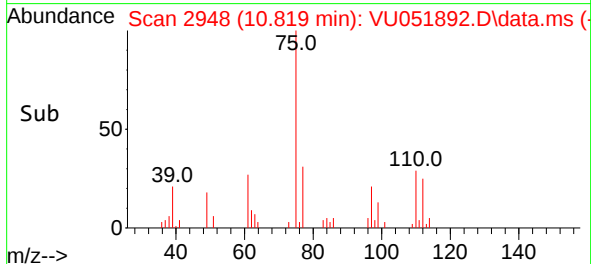
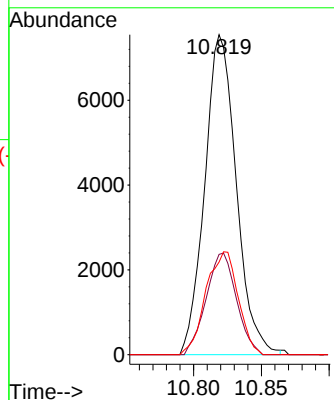
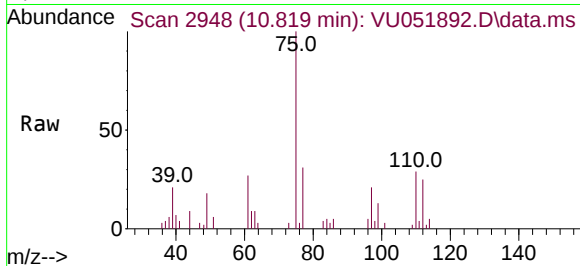




#60
1,2,3-Trichloropropane
Concen: 2.740 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

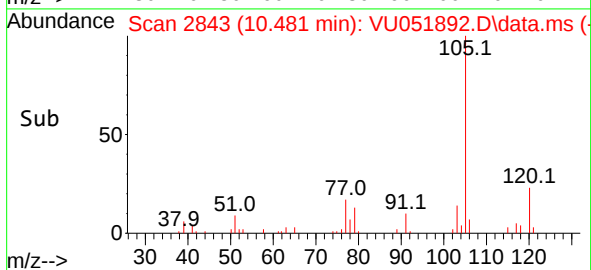
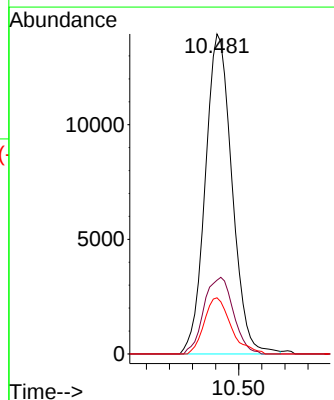
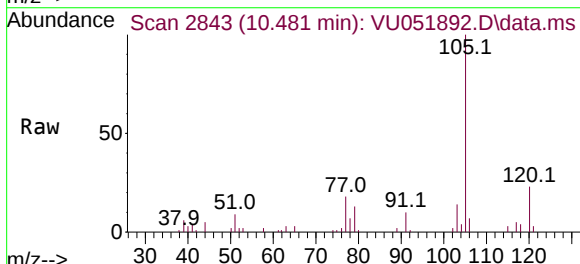
Instrument :
MSVOA_U
ClientSampleId :
MDL03

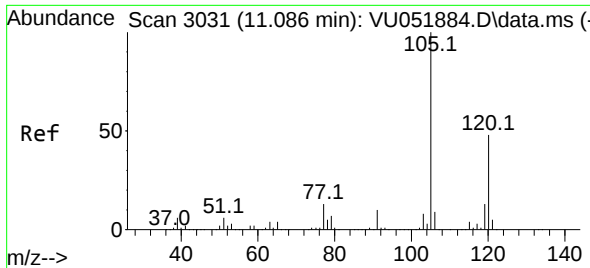
Tgt Ion: 75 Resp: 12191
Ion Ratio Lower Upper
75 100
77 30.7 26.2 39.4
110 32.9 29.0 43.4



#61
Isopropylbenzene
Concen: 2.065 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion: 105 Resp: 22446
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 17.5 12.2 18.4

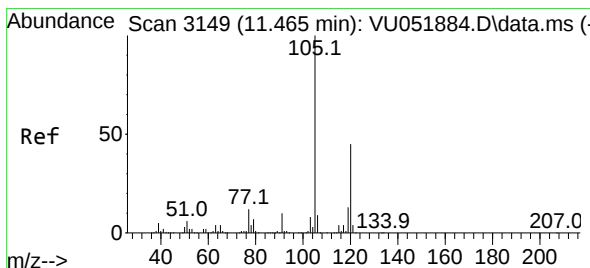
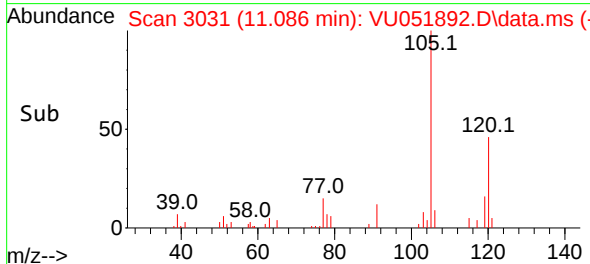
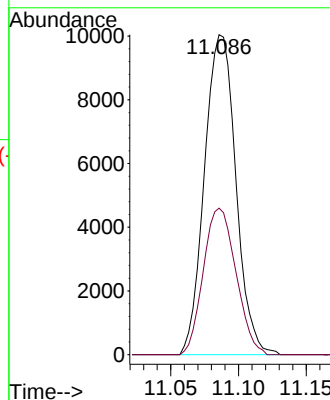
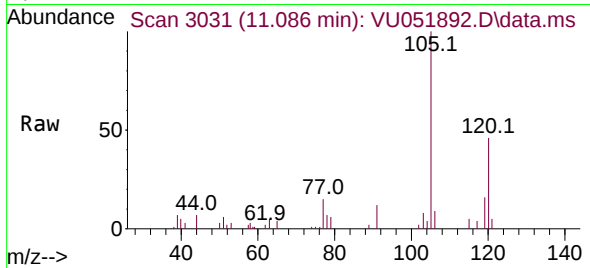




#62
 1,3,5-Trimethylbenzene
 Concen: 1.830 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051892.D
 Acq: 17 Nov 2022 13:26

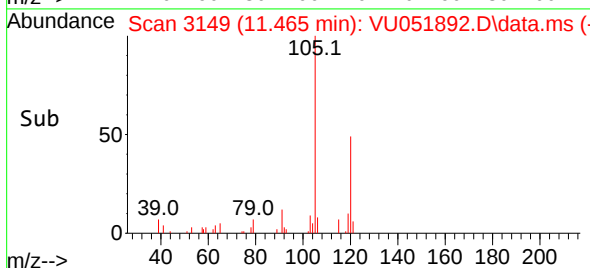
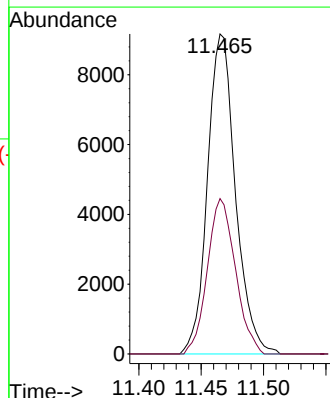
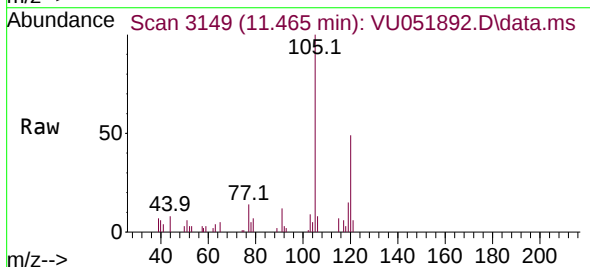
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

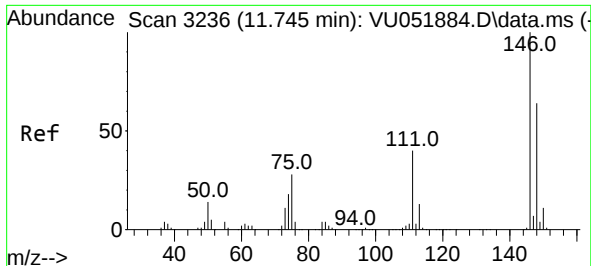
Tgt Ion:105 Resp: 16213
 Ion Ratio Lower Upper
 105 100
 120 47.5 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 1.655 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051892.D
 Acq: 17 Nov 2022 13:26

Tgt Ion:105 Resp: 14324
 Ion Ratio Lower Upper
 105 100
 120 48.7 36.2 54.2

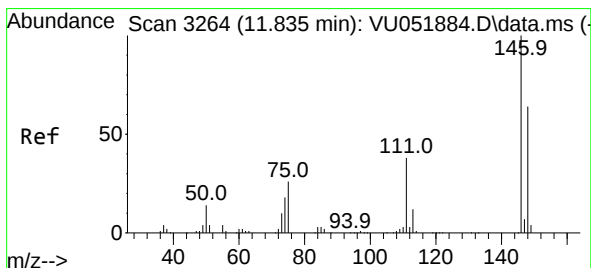
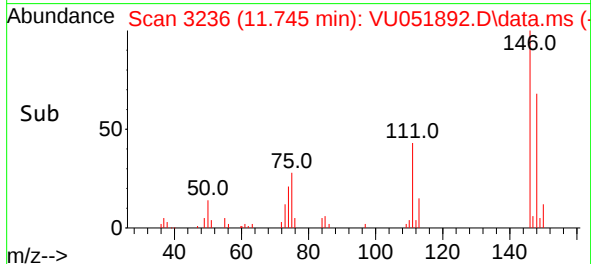
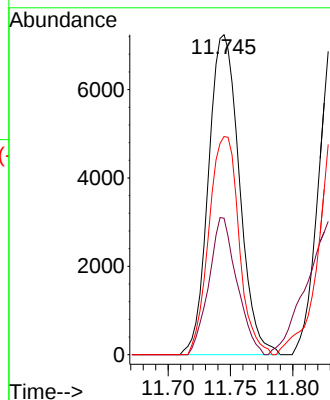
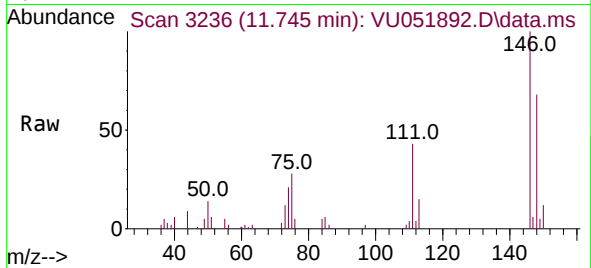




#64
1,3-Dichlorobenzene
Concen: 2.265 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

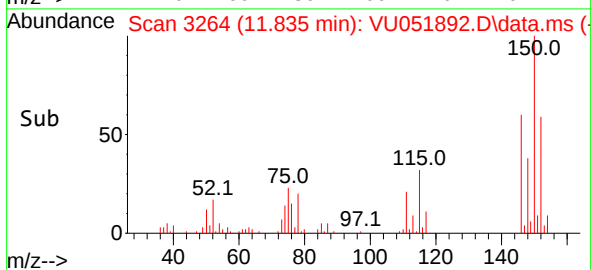
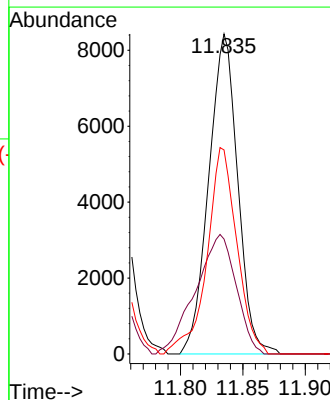
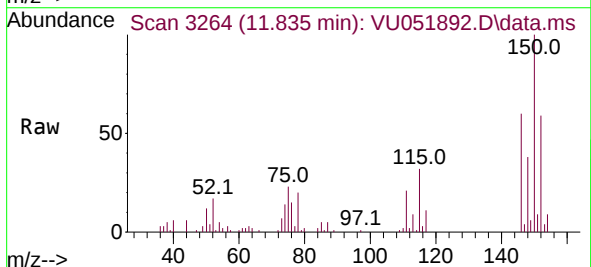
Instrument :
MSVOA_U
ClientSampleId :
MDL03

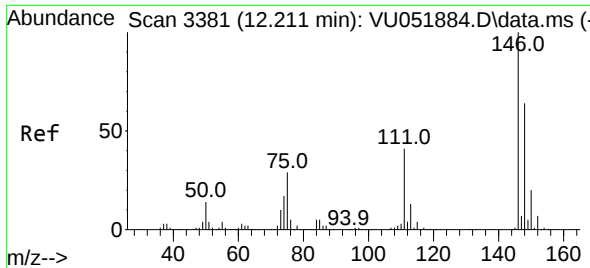
Tgt Ion:146 Resp: 12477
Ion Ratio Lower Upper
146 100
111 42.7 28.1 52.1
148 68.1 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 2.451 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051892.D
Acq: 17 Nov 2022 13:26

Tgt Ion:146 Resp: 13675
Ion Ratio Lower Upper
146 100
111 35.9 26.7 49.5
148 63.8 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.623 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL03

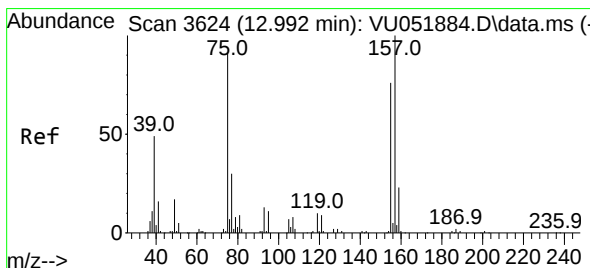
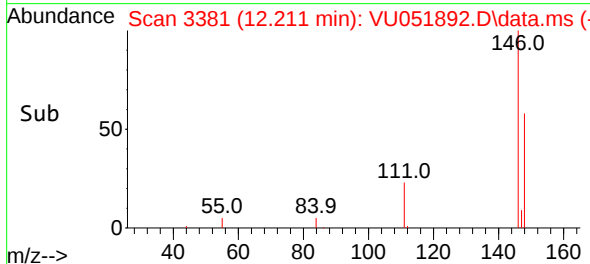
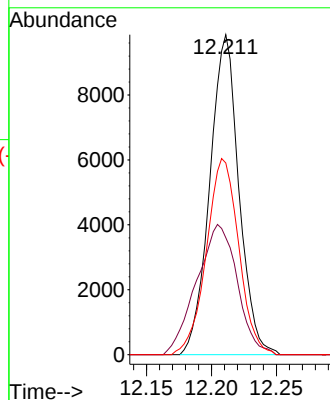
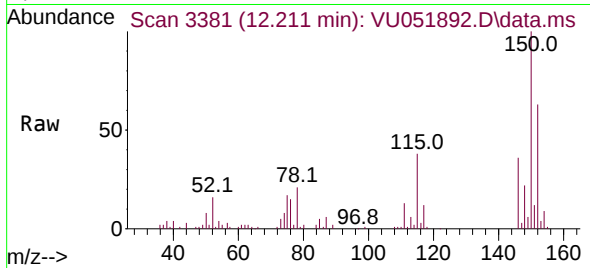
Tgt Ion:146 Resp: 15366

Ion Ratio Lower Upper

146 100

111 36.5 33.6 50.4

148 59.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.736 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

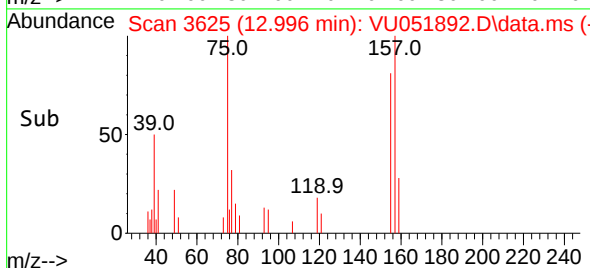
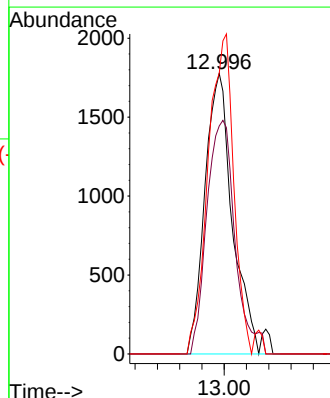
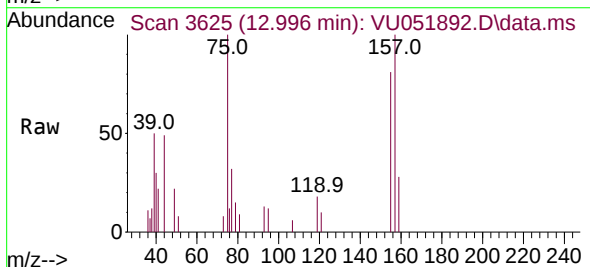
Tgt Ion: 75 Resp: 3117

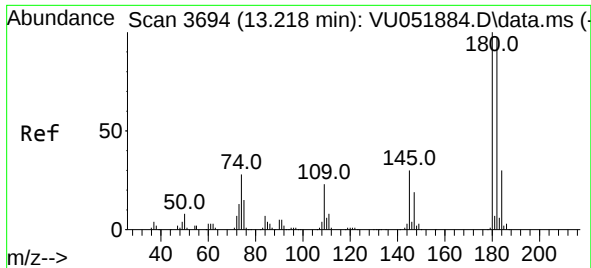
Ion Ratio Lower Upper

75 100

155 81.3 63.0 94.6

157 100.1 79.4 119.0

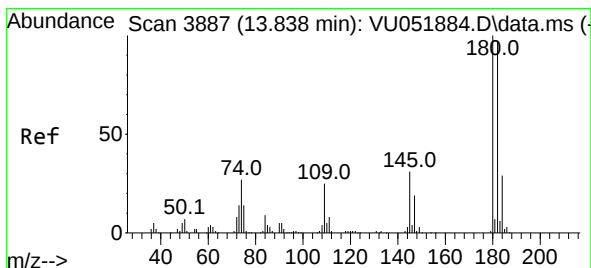
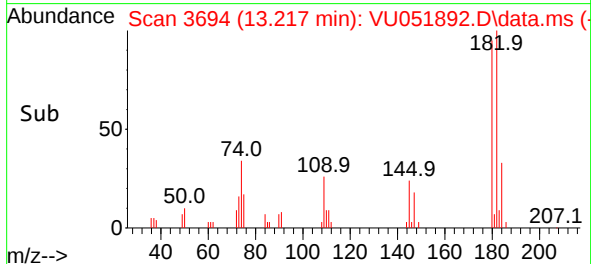
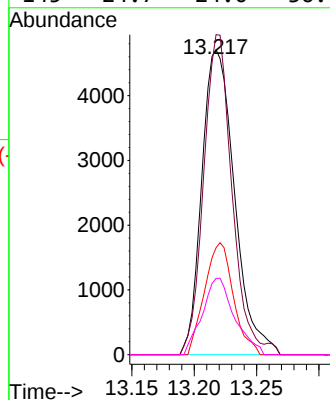
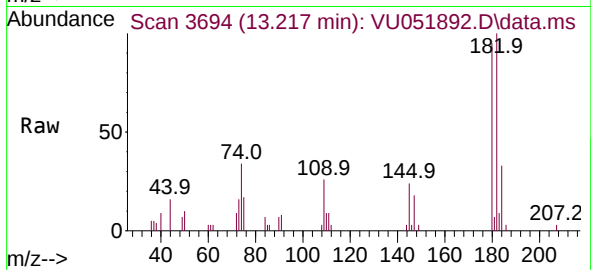




#69
 1,3,5-Trichlorobenzene
 Concen: 2.350 ug/L
 RT: 13.217 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VU051892.D
 Acq: 17 Nov 2022 13:26

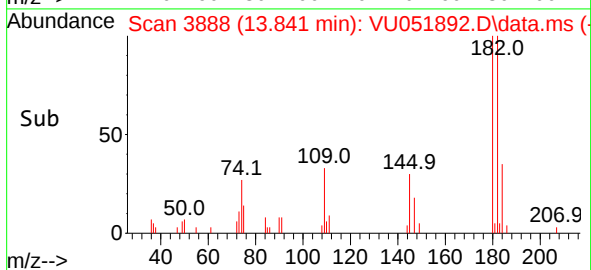
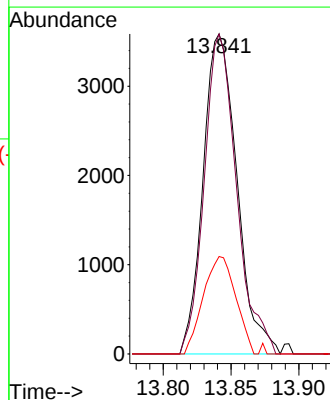
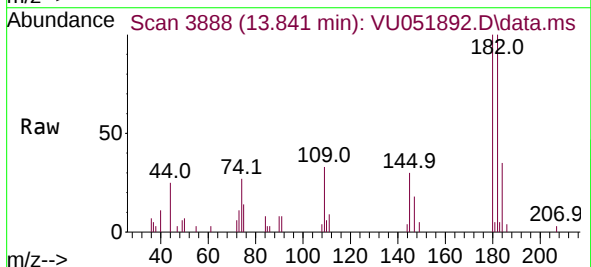
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

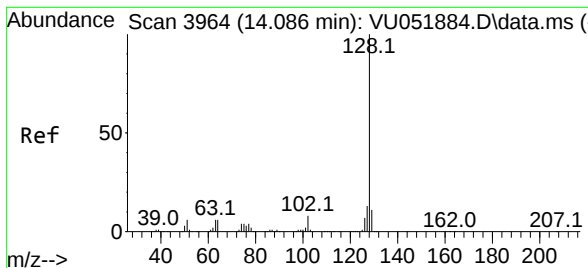
Tgt Ion:180	Resp:	8591
Ion Ratio	Lower	Upper
180	100	
182	90.4	77.0 115.4
184	32.3	23.8 35.8
145	24.7	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 2.150 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU051892.D
 Acq: 17 Nov 2022 13:26

Tgt Ion:180	Resp:	6230
Ion Ratio	Lower	Upper
180	100	
182	95.2	76.4 114.6
145	29.2	24.2 36.2





#71

Naphthalene

Concen: 1.891 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL03

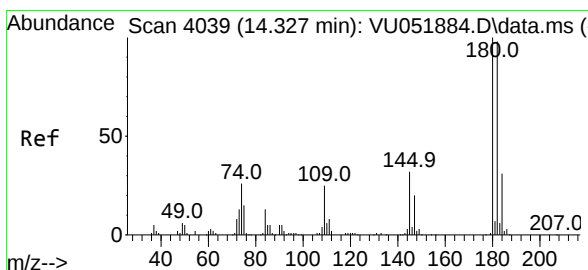
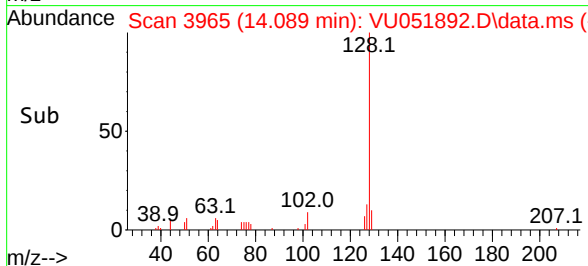
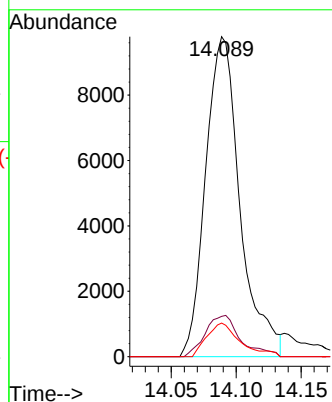
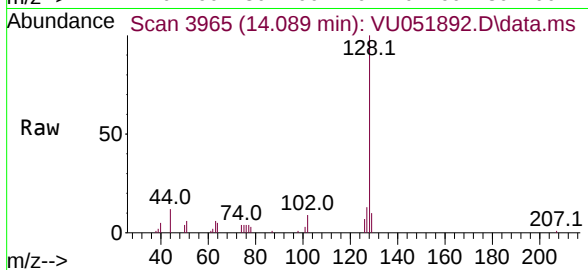
Tgt Ion:128 Resp: 18018

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 9.5 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 2.082 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU051892.D

Acq: 17 Nov 2022 13:26

Tgt Ion:180 Resp: 6601

Ion Ratio Lower Upper

180 100

182 103.4 76.9 115.3

145 32.7 24.9 37.3

