

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111822\
 Data File : VU051901.D
 Acq On : 18 Nov 2022 13:17
 Operator : JC/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Quant Time: Nov 18 14:08:19 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	472915	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	467832	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	189915	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	97475	41.985	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.960%
7) Chloroethane-d5	1.906	69	106936	45.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.940%
11) 1,1-Dichloroethene-d2	2.565	63	126765	30.448	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.900%
21) 2-Butanone-d5	4.616	46	274976	104.157	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.160%
24) Chloroform-d	5.060	84	268565	46.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.300%
26) 1,2-Dichloroethane-d4	5.700	65	175459	49.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.500%
32) Benzene-d6	5.726	84	479119	49.118	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.240%
36) 1,2-Dichloropropane-d6	6.687	67	184955	50.939	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.880%
41) Toluene-d8	7.896	98	365817	45.690	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.380%
43) trans-1,3-Dichloroprop...	8.176	79	67203	46.468	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.940%
47) 2-Hexanone-d5	8.629	63	181597	98.410	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.410%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	342805	48.510	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.020%
66) 1,2-Dichlorobenzene-d4	12.192	152	176037	52.671	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6258	2.155	ug/L	99
3) Chloromethane	1.527	50	12244	3.176	ug/L	100
5) Vinyl chloride	1.604	62	8908	2.227	ug/L #	13
6) Bromomethane	1.845	94	3966	2.289	ug/L	100
8) Chloroethane	1.928	64	6057	2.329	ug/L	94
9) Trichlorofluoromethane	2.137	101	11229	2.345	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	8677	2.875	ug/L #	88
12) 1,1-Dichloroethene	2.578	96	7951	2.821	ug/L #	1
13) Acetone	2.623	43	10607	3.755	ug/L	94
14) Carbon disulfide	2.793	76	17732	2.271	ug/L	100
15) Methyl Acetate	2.948	43	9056	2.352	ug/L	95
16) Methylene chloride	3.047	84	12193	2.710	ug/L	96
17) trans-1,2-Dichloroethene	3.356	96	6847	2.254	ug/L	91
18) Methyl tert-butyl Ether	3.362	73	21310	2.267	ug/L #	91
19) 1,1-Dichloroethane	3.874	63	14318	2.316	ug/L	96
20) cis-1,2-Dichloroethene	4.668	96	8233	2.323	ug/L	98
22) 2-Butanone	4.713	43	11125	3.488	ug/L	83
23) Bromochloromethane	4.980	128	4607	2.355	ug/L	95
25) Chloroform	5.086	83	19086	2.959	ug/L	98

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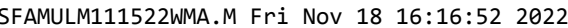
Instrument :
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 ClientSampleId :
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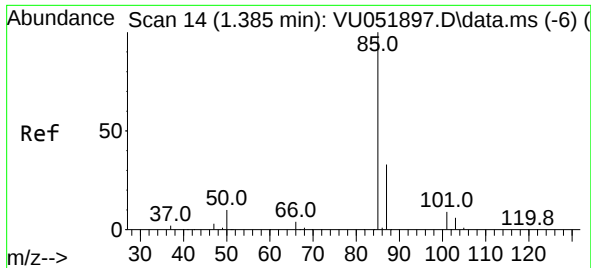
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	11828	2.482	ug/L	95
29) Cyclohexane	5.385	56	8622	2.160	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	11670	2.467	ug/L	99
31) Carbon tetrachloride	5.523	117	9917	2.508	ug/L	97
33) Benzene	5.774	78	33939	2.522	ug/L	100
34) Trichloroethene	6.542	95	7616	2.389	ug/L	93
35) Methylcyclohexane	6.758	83	9922	2.295	ug/L	96
37) 1,2-Dichloropropane	6.793	63	9156	2.403	ug/L #	97
38) Bromodichloromethane	7.105	83	11288	2.368	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	11413	2.290	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	20722	4.130	ug/L	97
42) Toluene	7.970	91	32000	2.312	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	13224	2.769	ug/L	92
45) 1,1,2-Trichloroethane	8.401	97	8670	2.239	ug/L	93
46) Tetrachloroethene	8.549	164	5462	2.145	ug/L	94
48) 2-Hexanone	8.684	43	23971	5.562	ug/L	93
49) Dibromochloromethane	8.806	129	9166	2.296	ug/L	99
50) 1,2-Dibromoethane	8.922	107	8803	2.258	ug/L #	95
51) Chlorobenzene	9.446	112	21347	2.257	ug/L	99
52) Ethylbenzene	9.571	91	29401	2.076	ug/L	98
53) m,p-Xylene	9.693	106	10405	1.898	ug/L	97
54) o-Xylene	10.099	106	10180	1.824	ug/L	97
55) Styrene	10.115	104	15416	1.601	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	17817	2.435	ug/L #	96
59) Bromoform	10.288	173	6796	2.639	ug/L #	96
60) 1,2,3-Trichloropropane	10.819	75	13261	2.919	ug/L	96
61) Isopropylbenzene	10.484	105	24080	2.169	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	17528	1.938	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	15927	1.802	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	12726	2.262	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	14062	2.468	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	15756	2.634	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.996	75	3097	2.663	ug/L	89
69) 1,3,5-Trichlorobenzene	13.221	180	9019	2.416	ug/L	96
70) 1,2,4-trichlorobenzene	13.844	180	6436	2.176	ug/L	93
71) Naphthalene	14.089	128	18190	1.870	ug/L	97
72) 1,2,3-Trichlorobenzene	14.330	180	7090	2.190	ug/L	97

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

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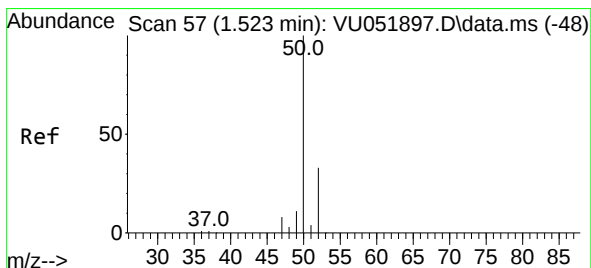
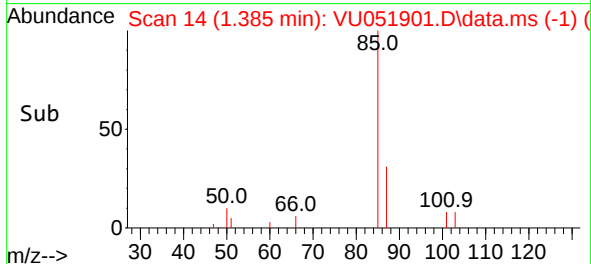
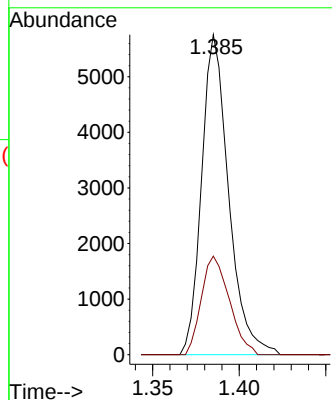
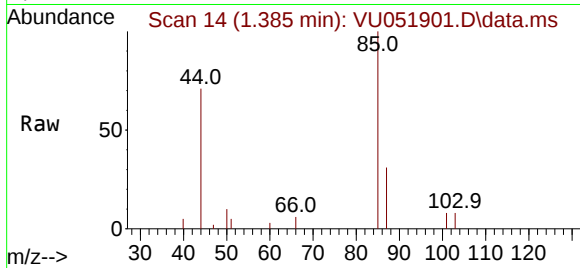




#2
Dichlorodifluoromethane
Concen: 2.155 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

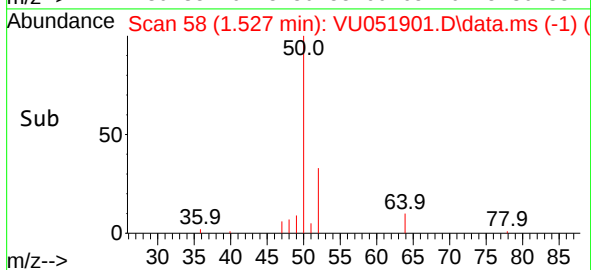
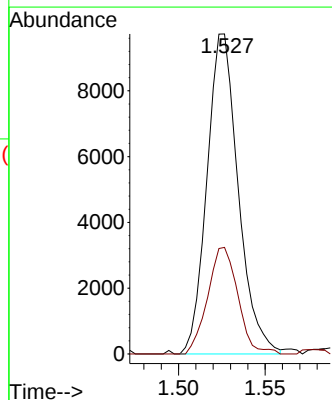
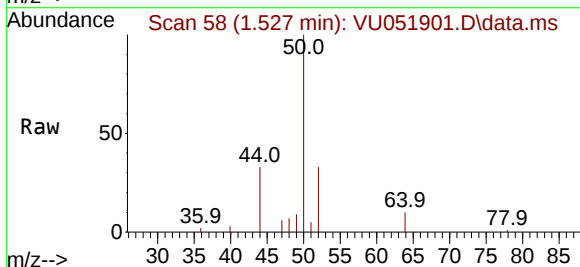
Instrument :
MSVOA_U
ClientSampleId :
MDL07

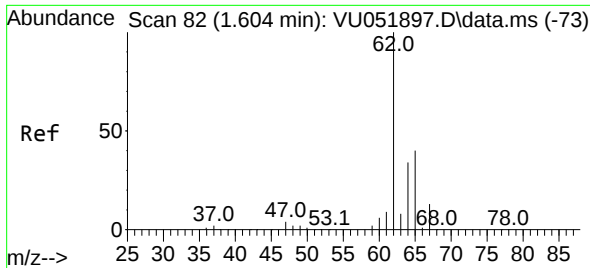
Tgt Ion: 85 Resp: 6258
Ion Ratio Lower Upper
85 100
87 31.8 26.0 39.0



#3
Chloromethane
Concen: 3.176 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion: 50 Resp: 12244
Ion Ratio Lower Upper
50 100
52 33.3 23.4 43.6

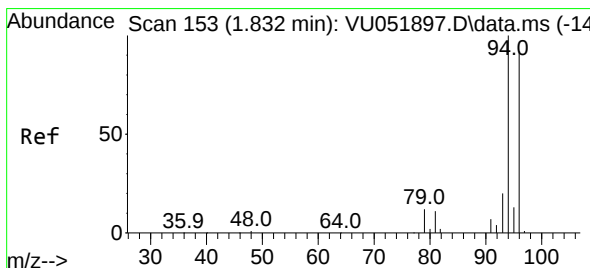
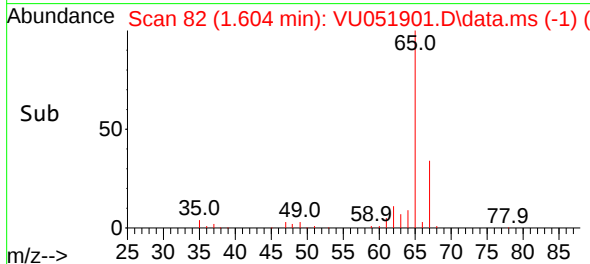
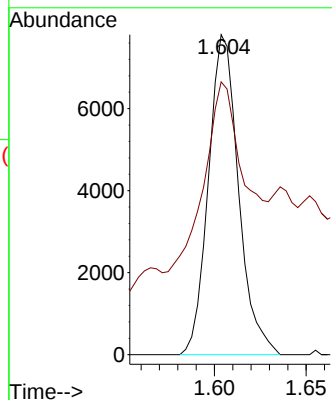
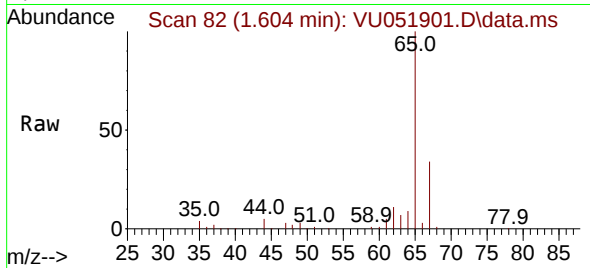




#5
 Vinyl chloride
 Concen: 2.227 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051901.D
 Acq: 18 Nov 2022 13:17

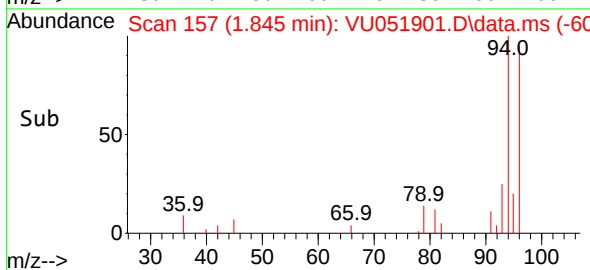
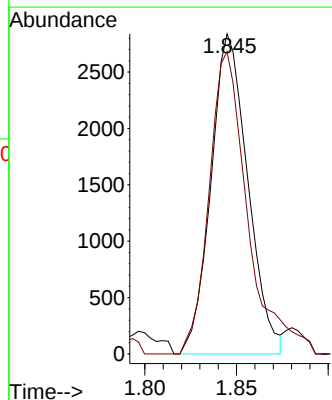
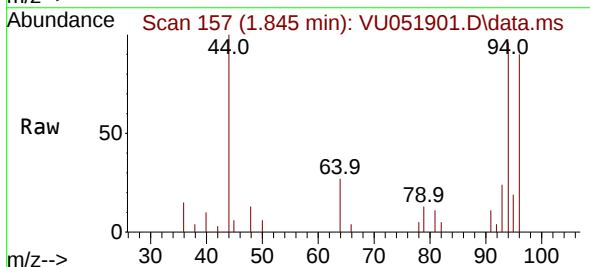
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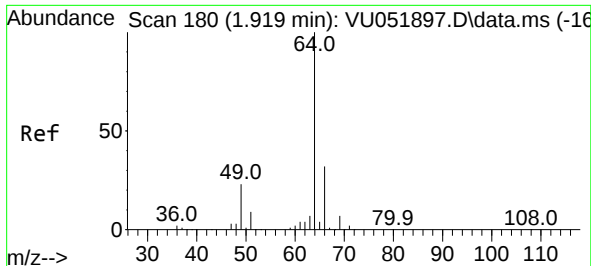
Tgt Ion: 62 Resp: 8908
 Ion Ratio Lower Upper
 62 100
 64 85.2 24.3 45.1#



#6
 Bromomethane
 Concen: 2.289 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. 0.013 min
 Lab File: VU051901.D
 Acq: 18 Nov 2022 13:17

Tgt Ion: 94 Resp: 3966
 Ion Ratio Lower Upper
 94 100
 96 94.5 66.1 122.7

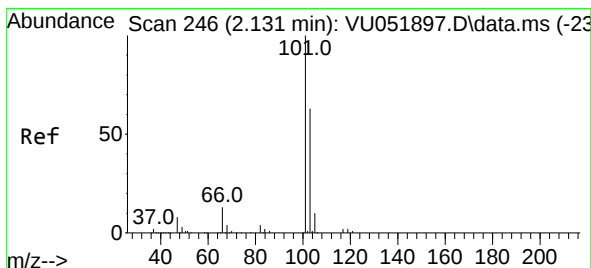
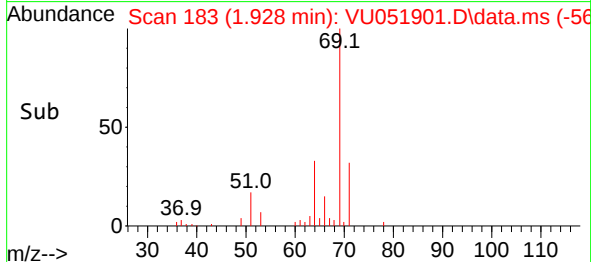
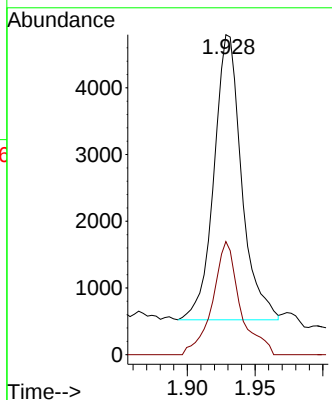
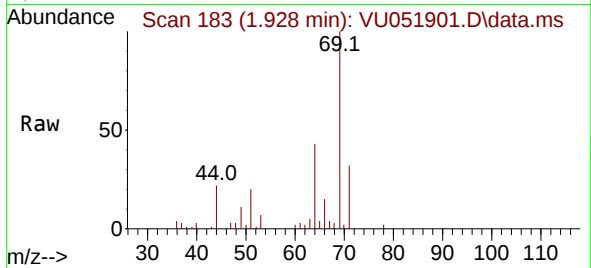




#8
Chloroethane
Concen: 2.329 ug/L
RT: 1.928 min Scan# 11
Delta R.T. 0.009 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

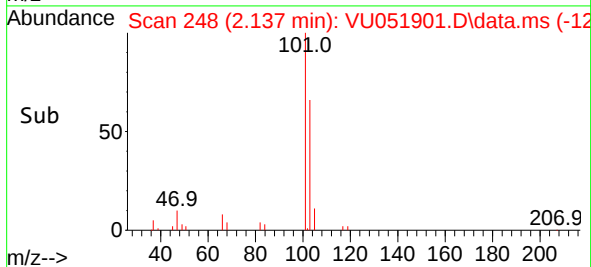
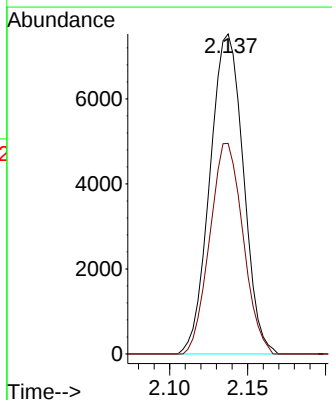
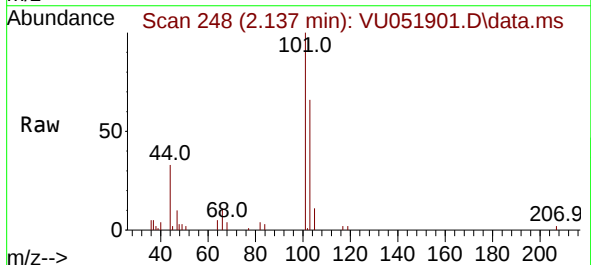
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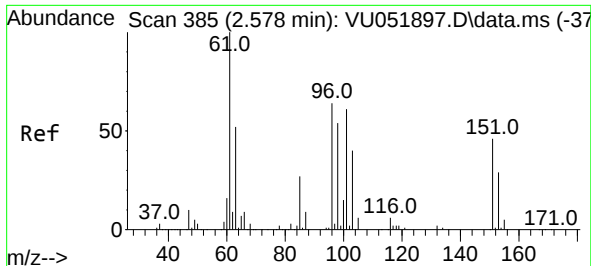
Tgt Ion: 64 Resp: 6057
Ion Ratio Lower Upper
64 100
66 35.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.345 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.006 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion:101 Resp: 11229
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.2





#10

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

Concen: 2.875 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

MDL07

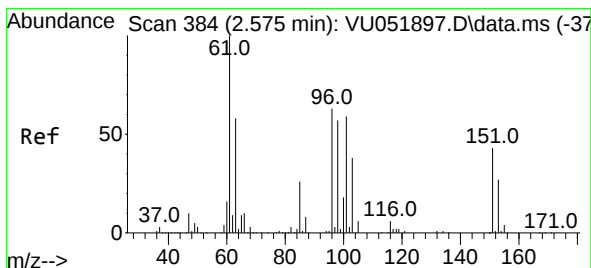
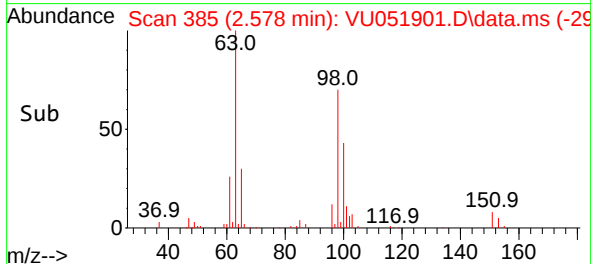
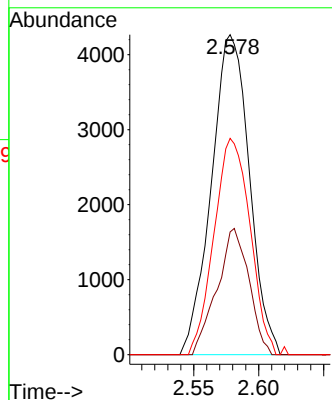
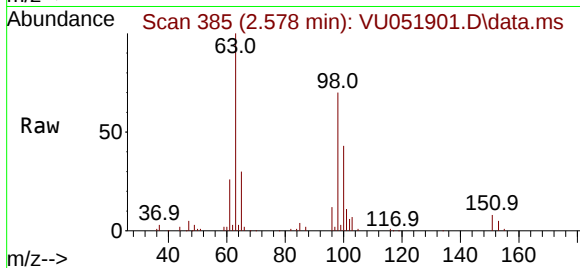
Tgt Ion:101 Resp: 8677

Ion Ratio Lower Upper

101 100

85 33.2 34.2 51.2#

151 63.9 58.3 87.5



#12

1,1-Dichloroethene

Concen: 2.821 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

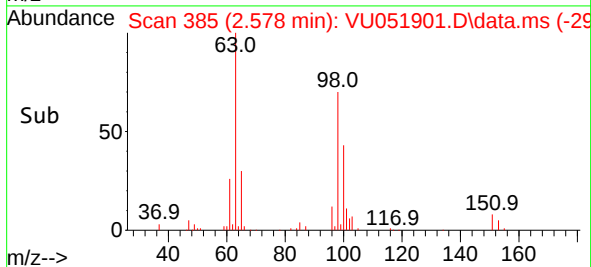
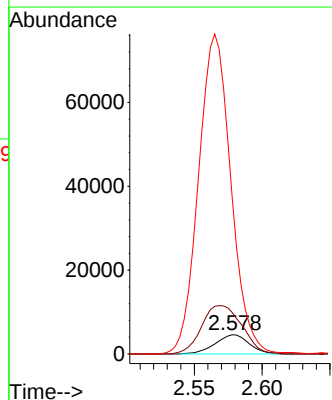
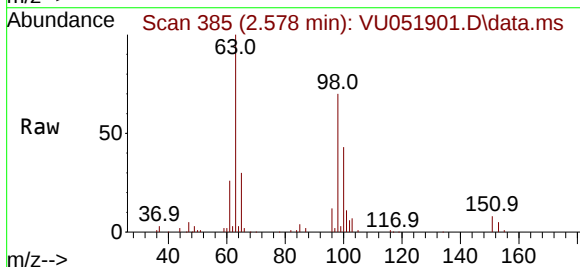
Tgt Ion: 96 Resp: 7951

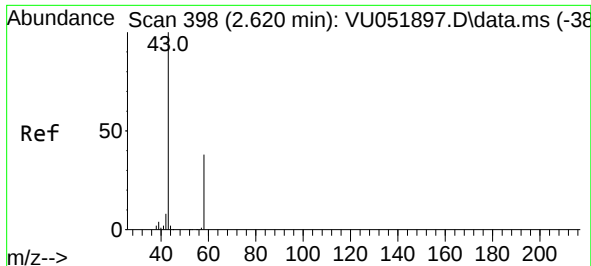
Ion Ratio Lower Upper

96 100

61 215.1 110.7 205.5#

63 813.8 68.6 127.4#





#13

Acetone

Concen: 3.755 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

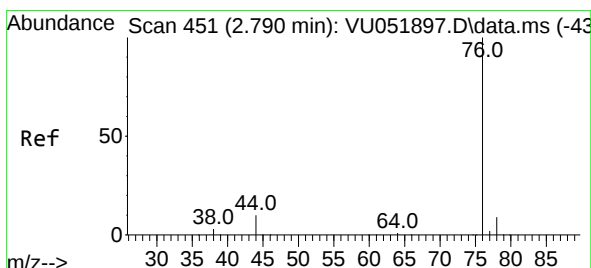
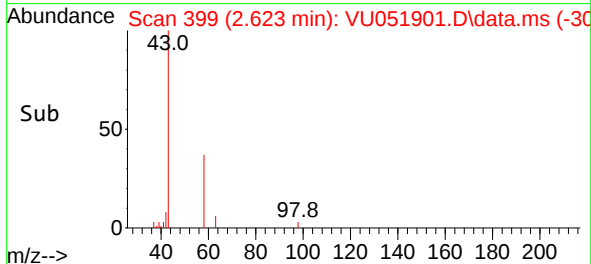
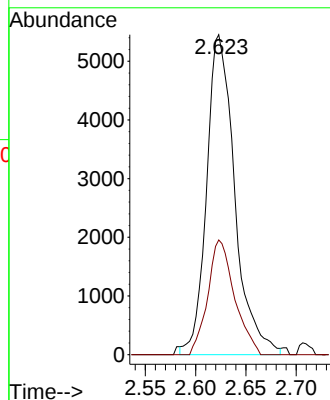
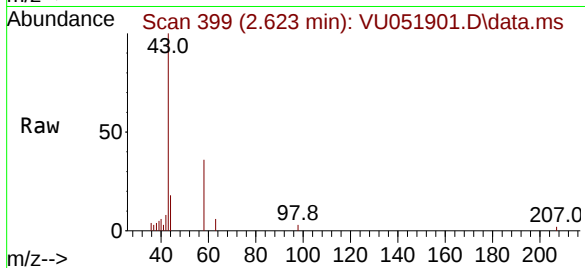
MDL07

Tgt Ion: 43 Resp: 10607

Ion Ratio Lower Upper

43 100

58 34.0 0.0 75.4



#14

Carbon disulfide

Concen: 2.271 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051901.D

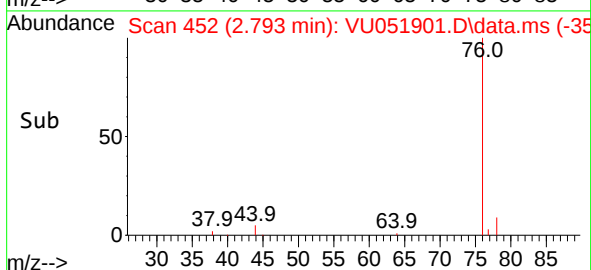
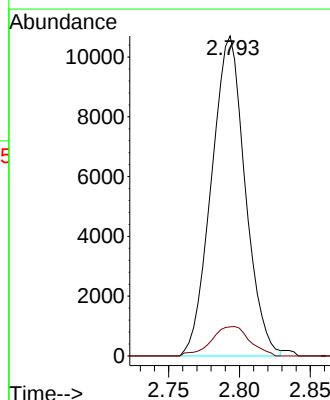
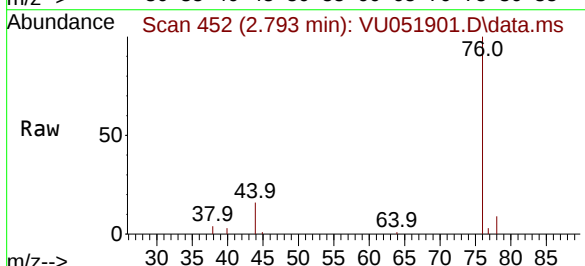
Acq: 18 Nov 2022 13:17

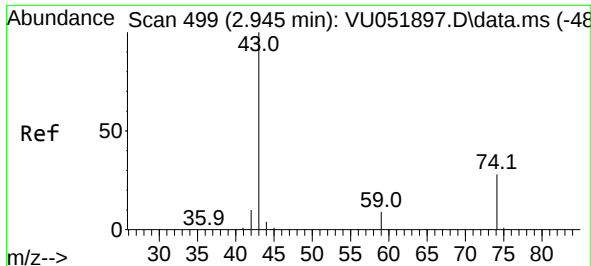
Tgt Ion: 76 Resp: 17732

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

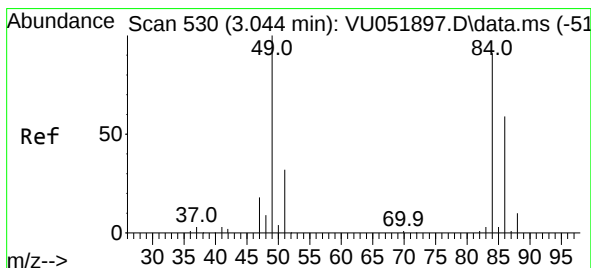
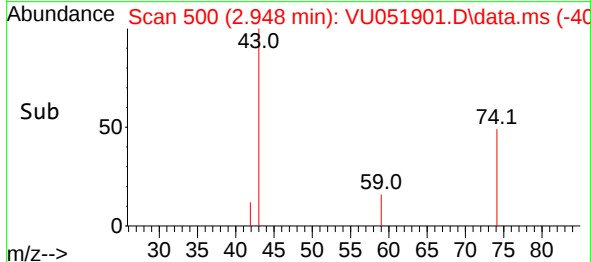
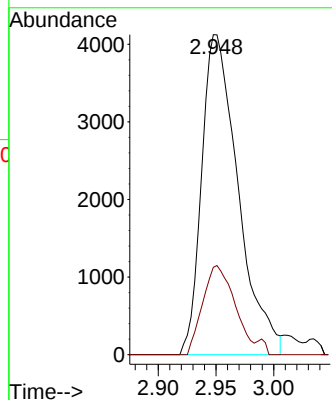
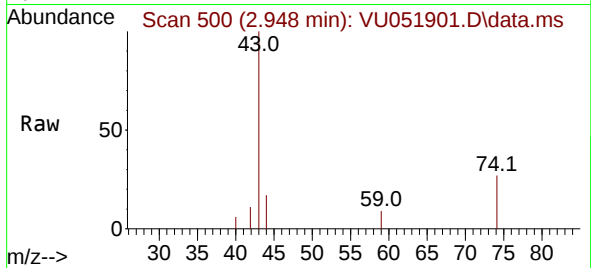




#15
Methyl Acetate
Concen: 2.352 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

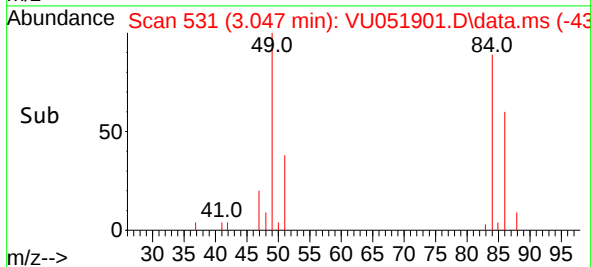
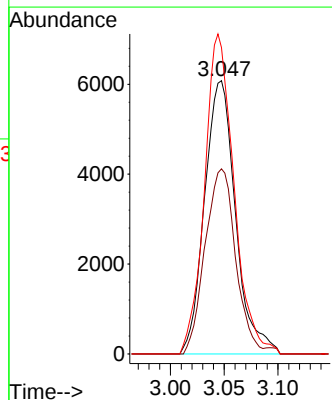
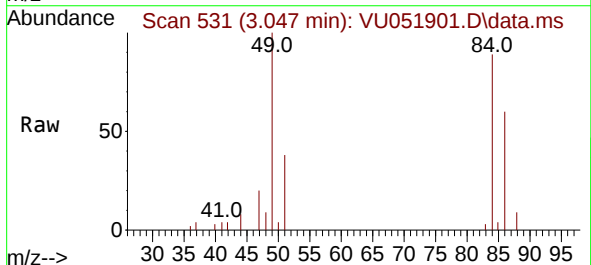
Instrument :
MSVOA_U
ClientSampleId :
MDL07

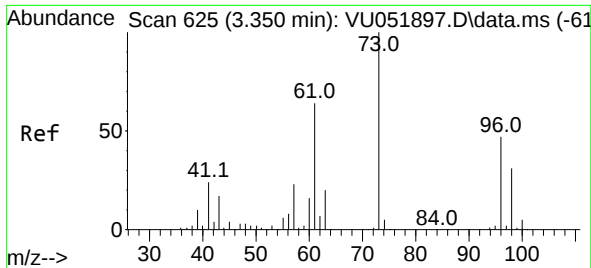
Tgt Ion: 43 Resp: 9056
Ion Ratio Lower Upper
43 100
74 24.5 21.8 32.8



#16
Methylene chloride
Concen: 2.710 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.006 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion: 84 Resp: 12193
Ion Ratio Lower Upper
84 100
86 67.7 44.7 82.9
49 112.1 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 2.254 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

MDL07

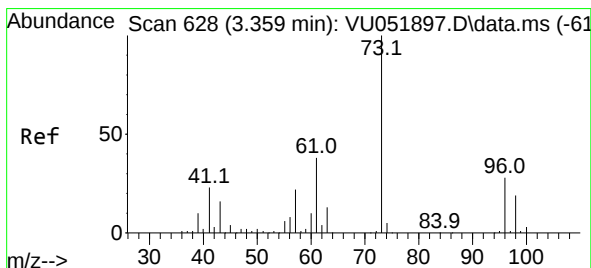
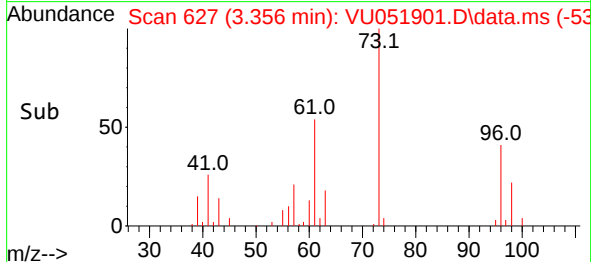
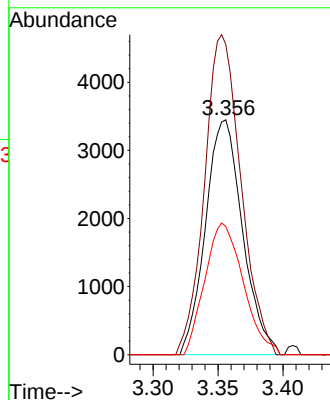
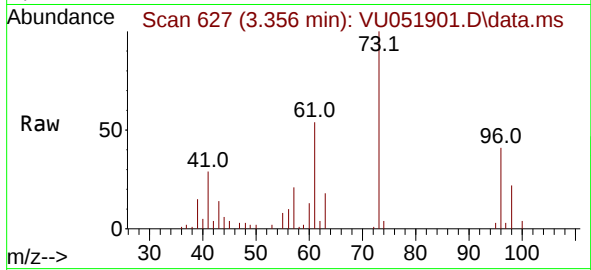
Tgt Ion: 96 Resp: 6847

Ion Ratio Lower Upper

96 100

61 132.1 98.3 182.7

98 54.6 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 2.267 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

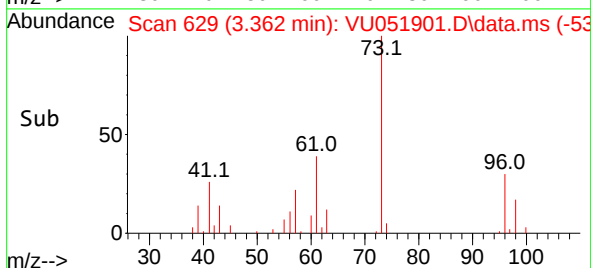
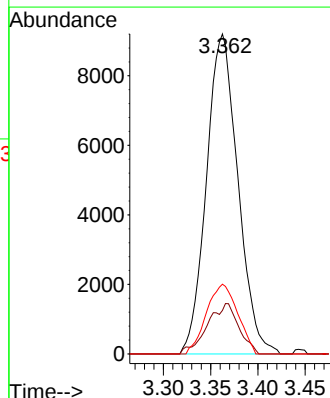
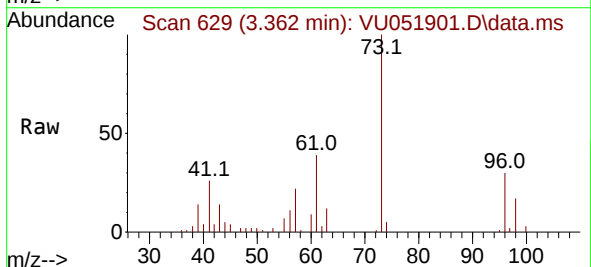
Tgt Ion: 73 Resp: 21310

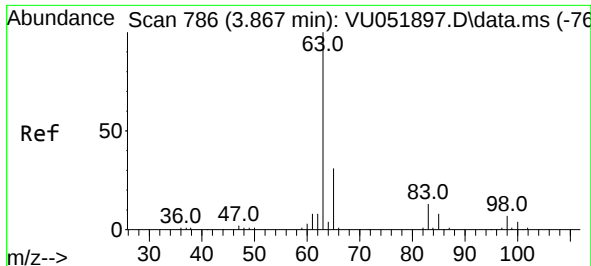
Ion Ratio Lower Upper

73 100

43 8.6 13.4 20.0#

57 21.6 17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.316 ug/L

RT: 3.874 min Scan# 786

Delta R.T. 0.009 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

MDL07

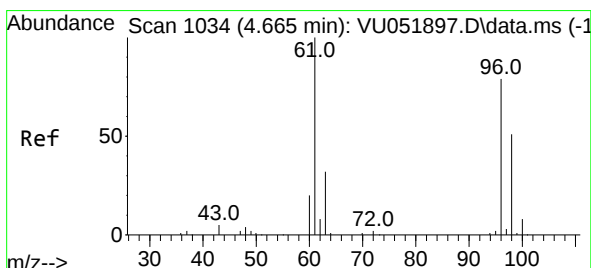
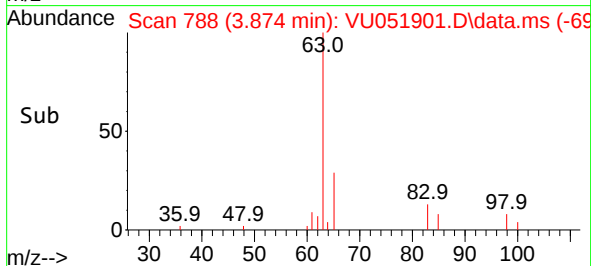
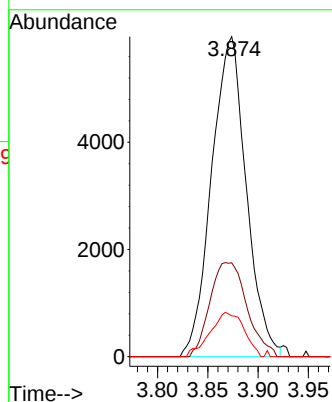
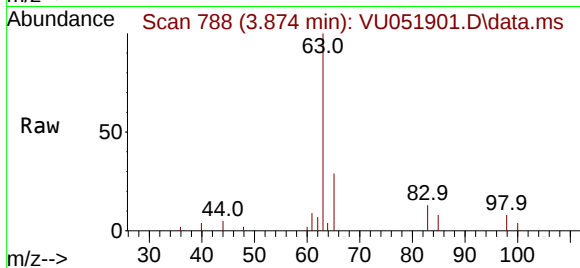
Tgt Ion: 63 Resp: 14318

Ion Ratio Lower Upper

63 100

65 29.3 22.2 41.2

83 12.8 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.323 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

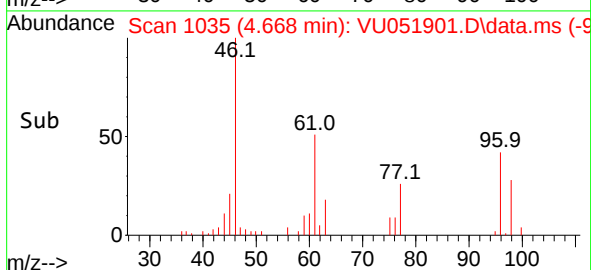
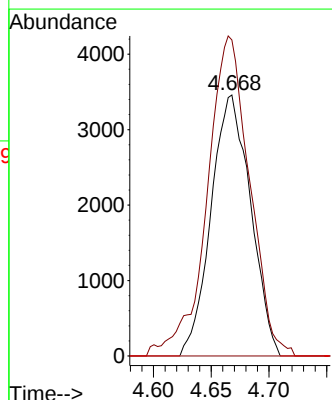
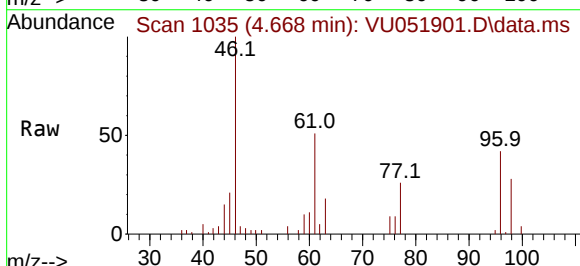
Tgt Ion: 96 Resp: 8233

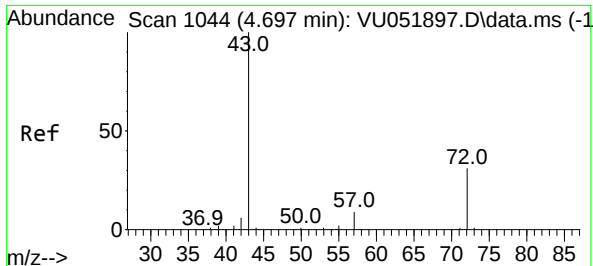
Ion Ratio Lower Upper

96 100

61 121.0 86.0 159.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.488 ug/L

RT: 4.713 min Scan# 110

Delta R.T. 0.016 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

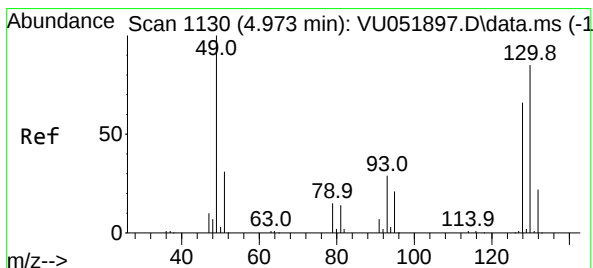
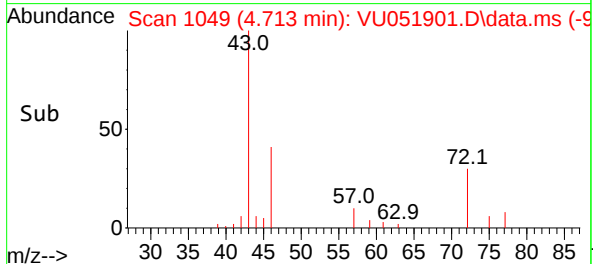
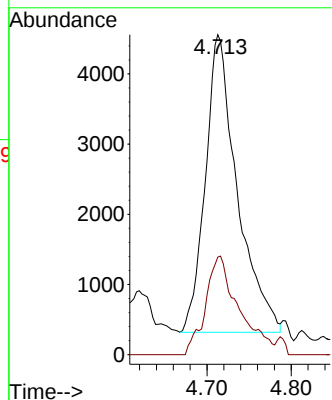
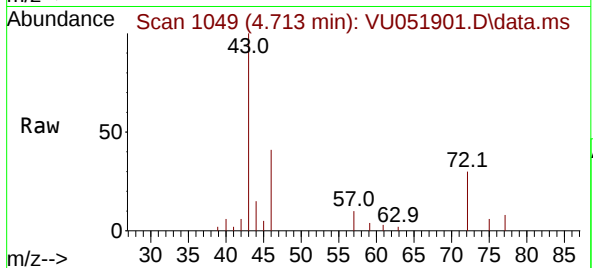
MDL07

Tgt Ion: 43 Resp: 11125

Ion Ratio Lower Upper

43 100

72 22.1 15.7 47.1



#23

Bromochloromethane

Concen: 2.355 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.009 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Tgt Ion: 128 Resp: 4607

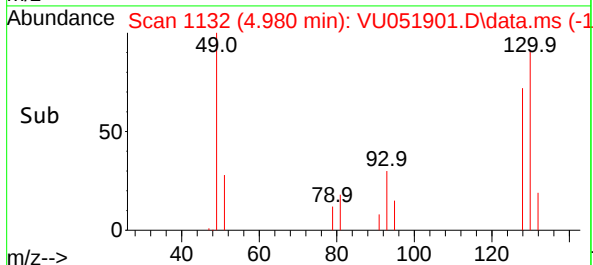
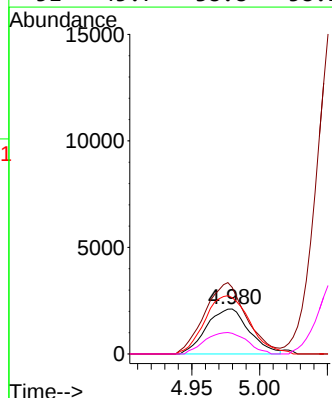
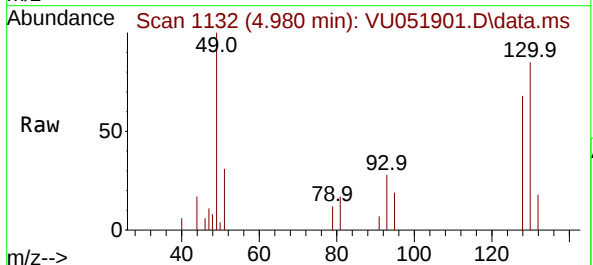
Ion Ratio Lower Upper

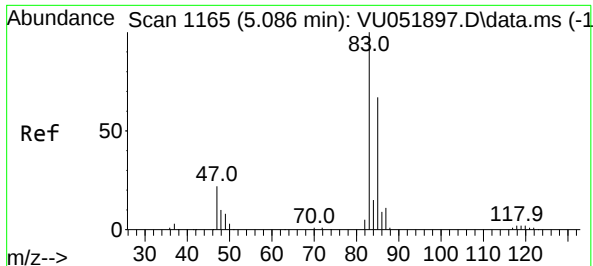
128 100

49 147.8 107.2 199.0

130 125.3 92.5 171.7

51 45.7 38.8 58.2

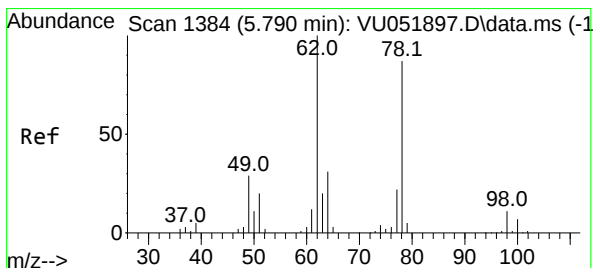
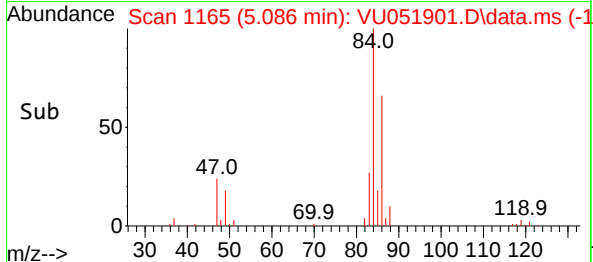
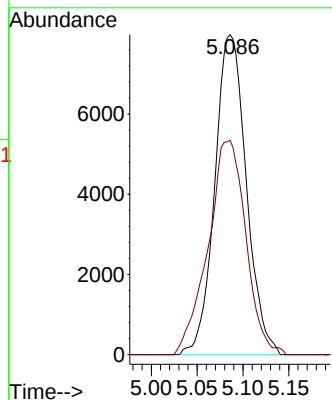
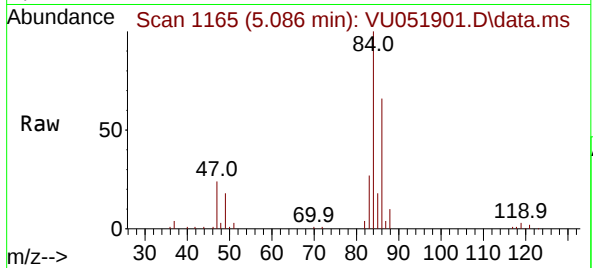




#25
Chloroform
Concen: 2.959 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

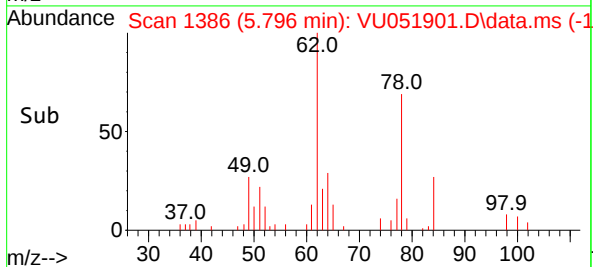
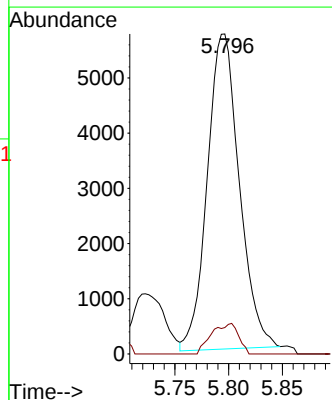
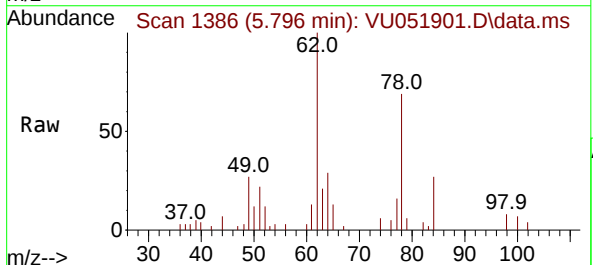
Instrument :
MSVOA_U
ClientSampleId :
MDL07

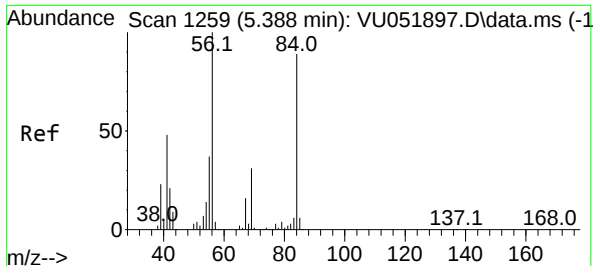
Tgt Ion: 83 Resp: 19086
Ion Ratio Lower Upper
83 100
85 67.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.482 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion: 62 Resp: 11828
Ion Ratio Lower Upper
62 100
98 8.2 8.1 12.1





#29

Cyclohexane

Concen: 2.160 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

MDL07

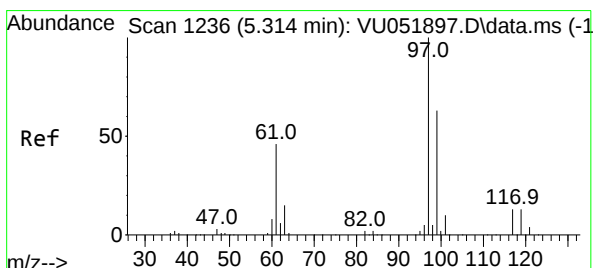
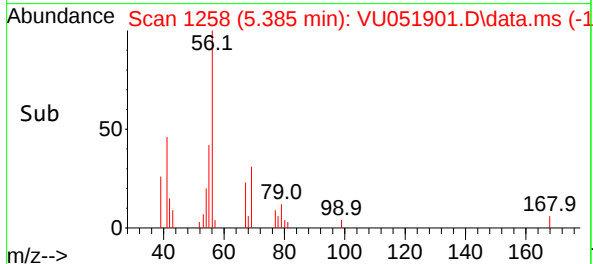
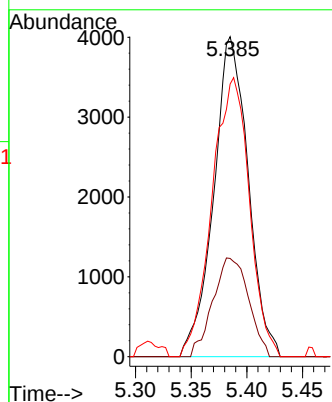
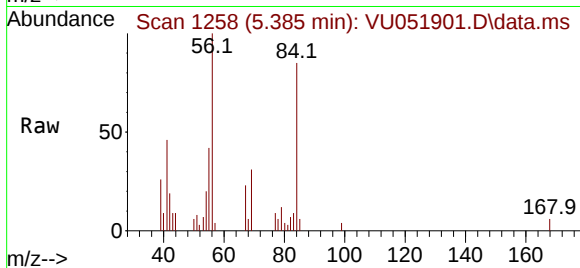
Tgt Ion: 56 Resp: 8622

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.2

84 94.3 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 2.467 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

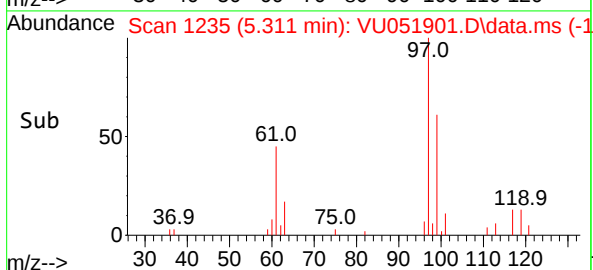
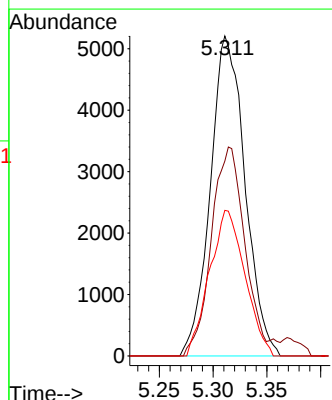
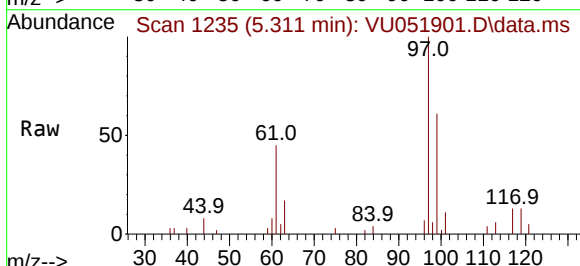
Tgt Ion: 97 Resp: 11670

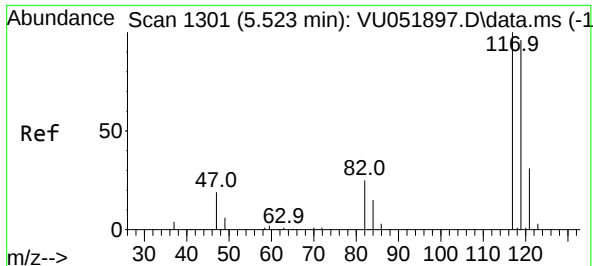
Ion Ratio Lower Upper

97 100

99 62.9 51.2 76.8

61 46.6 37.4 56.2

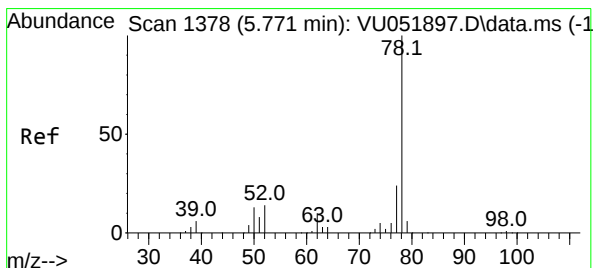
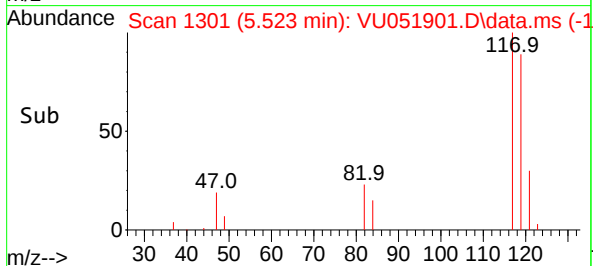
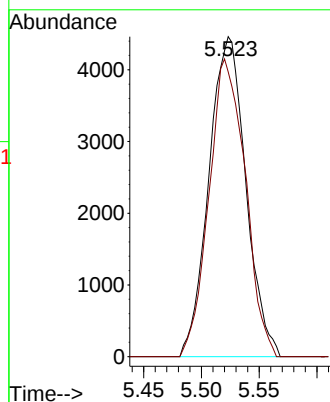
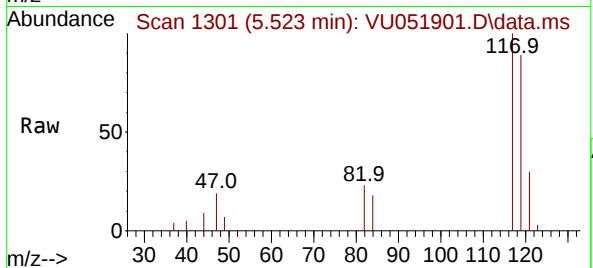




#31
Carbon tetrachloride
Concen: 2.508 ug/L
RT: 5.523 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

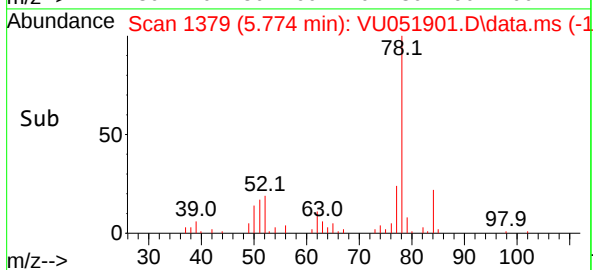
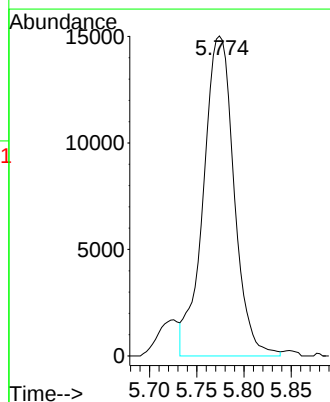
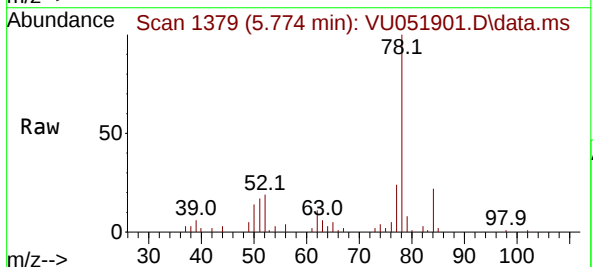
Instrument :
MSVOA_U
ClientSampleId :
MDL07

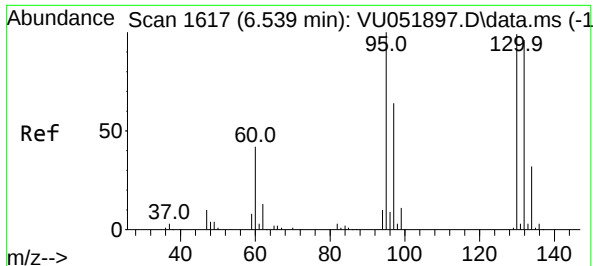
Tgt Ion:117 Resp: 9917
Ion Ratio Lower Upper
117 100
119 91.6 75.6 113.4



#33
Benzene
Concen: 2.522 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion: 78 Resp: 33939





#34

Trichloroethene

Concen: 2.389 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tgt Ion: 95 Resp: 7616

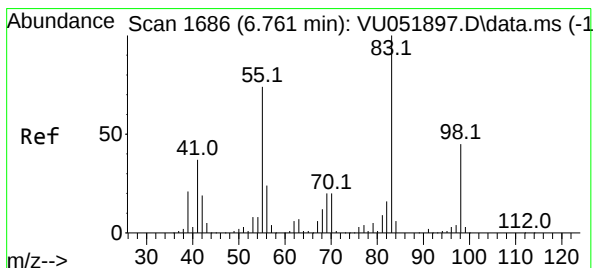
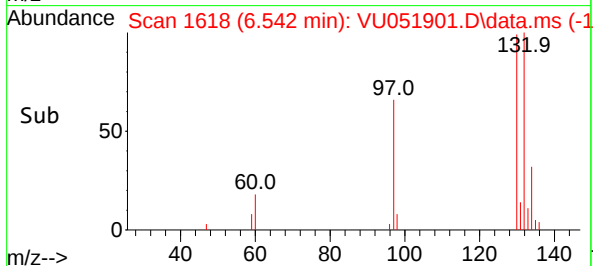
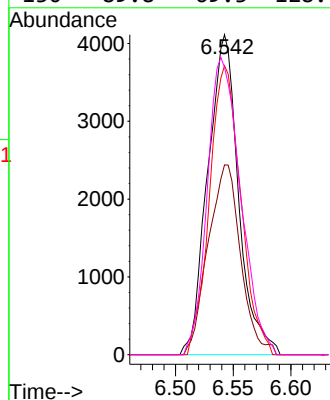
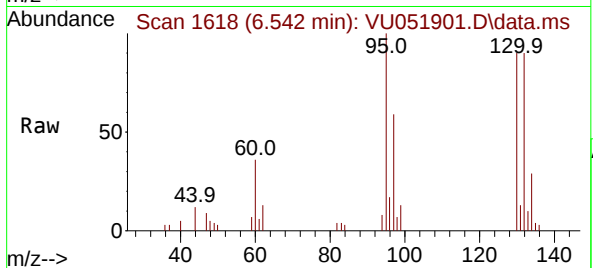
Ion Ratio Lower Upper

95 100

97 59.3 45.8 85.0

132 90.3 65.3 121.3

130 89.8 69.3 128.7



#35

Methylcyclohexane

Concen: 2.295 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

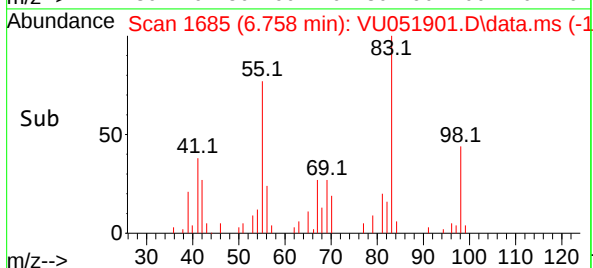
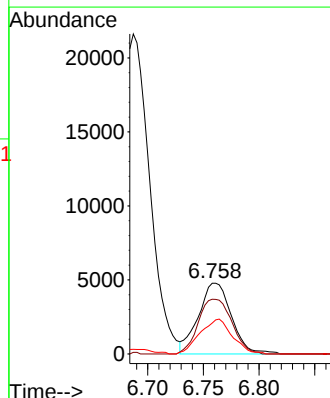
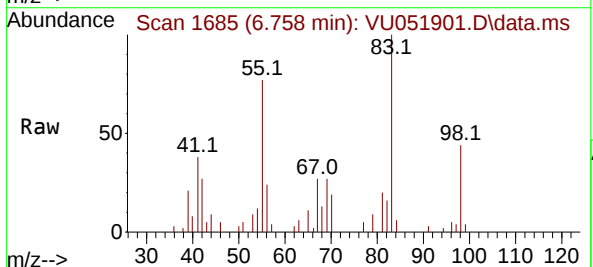
Tgt Ion: 83 Resp: 9922

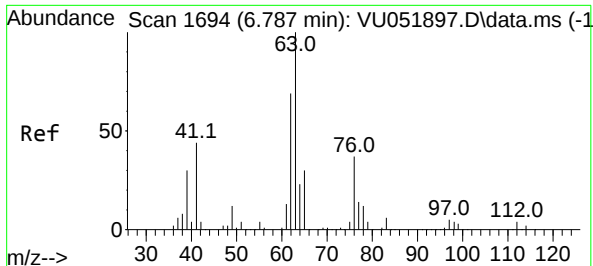
Ion Ratio Lower Upper

83 100

55 78.1 60.0 90.0

98 47.8 35.8 53.8





#37

1,2-Dichloropropane

Concen: 2.403 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

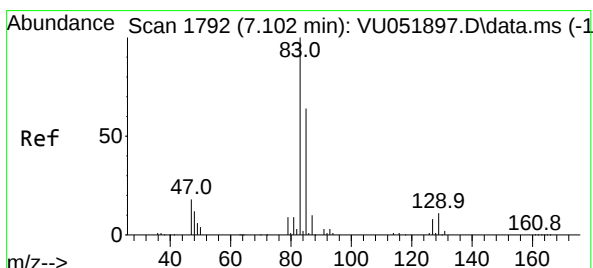
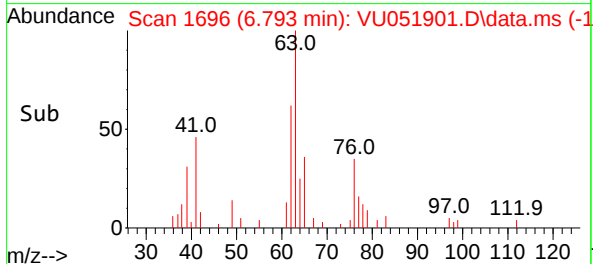
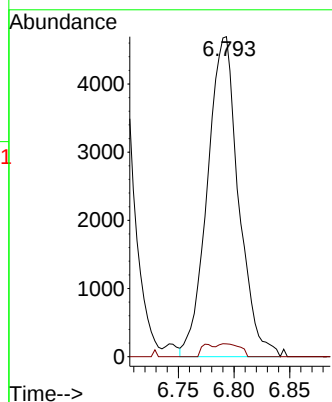
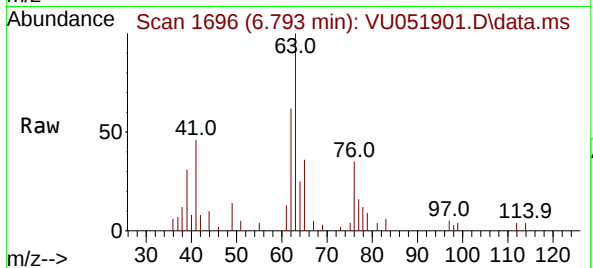
MDL07

Tgt Ion: 63 Resp: 9156

Ion Ratio Lower Upper

63 100

112 2.7 3.0 4.6#



#38

Bromodichloromethane

Concen: 2.368 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

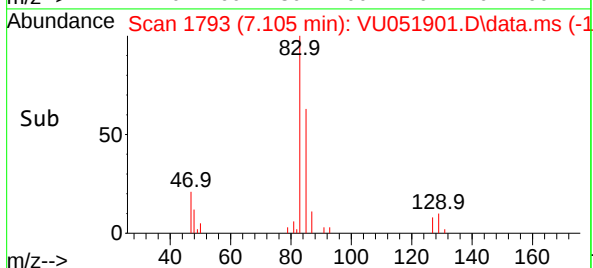
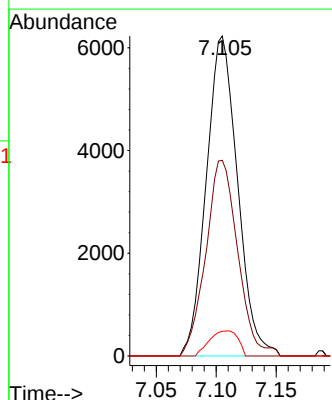
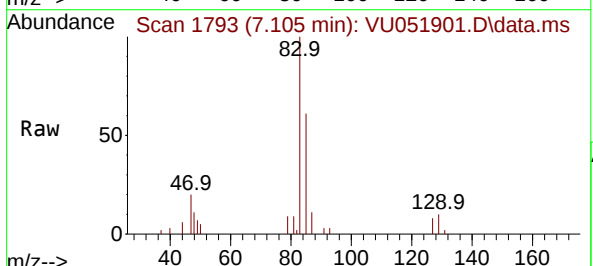
Tgt Ion: 83 Resp: 11288

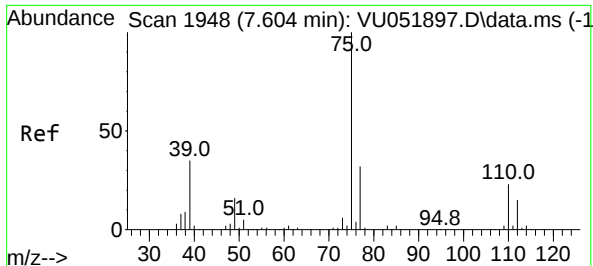
Ion Ratio Lower Upper

83 100

85 61.2 44.6 82.8

127 7.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.290 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

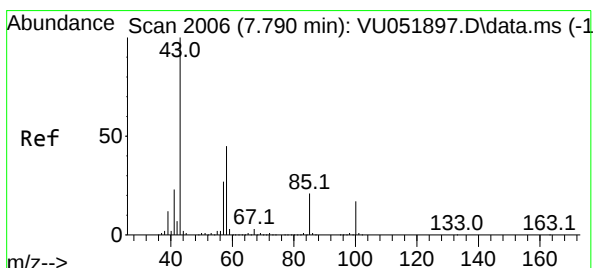
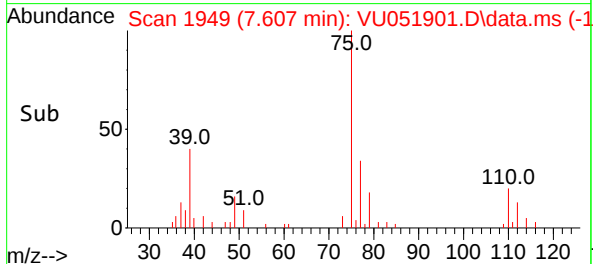
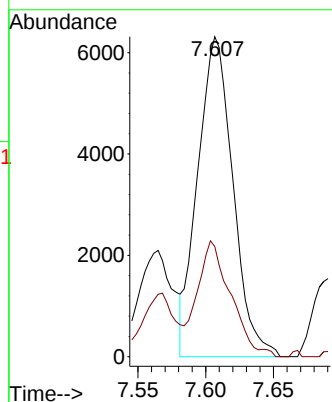
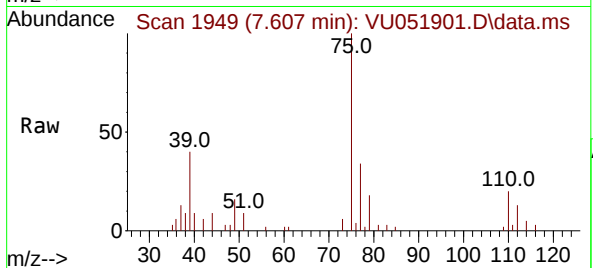
MDL07

Tgt Ion: 75 Resp: 11413

Ion Ratio Lower Upper

75 100

77 34.5 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 4.130 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

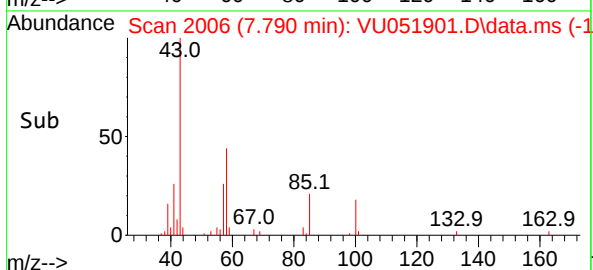
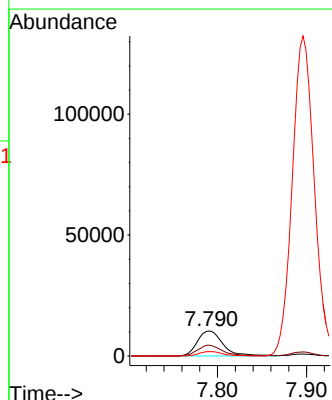
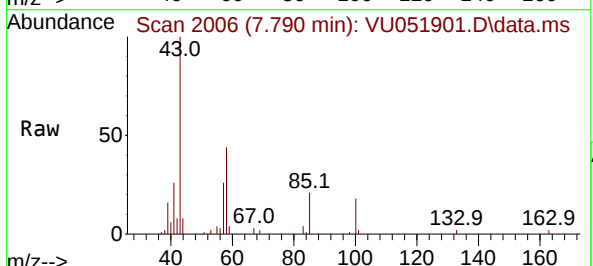
Tgt Ion: 43 Resp: 20722

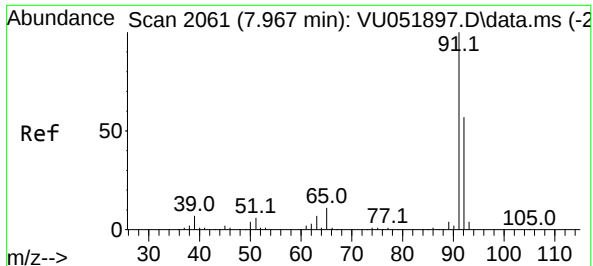
Ion Ratio Lower Upper

43 100

58 42.2 35.4 53.2

100 16.2 13.4 20.0





#42

Toluene

Concen: 2.312 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

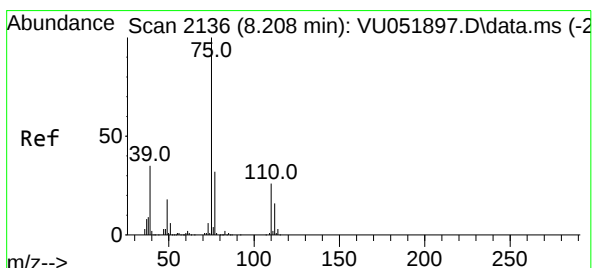
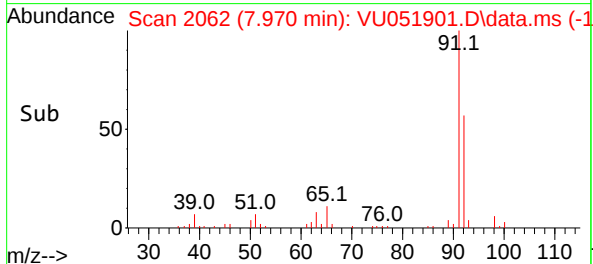
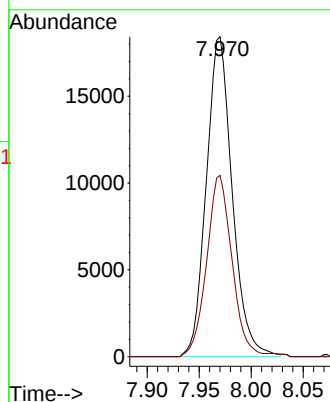
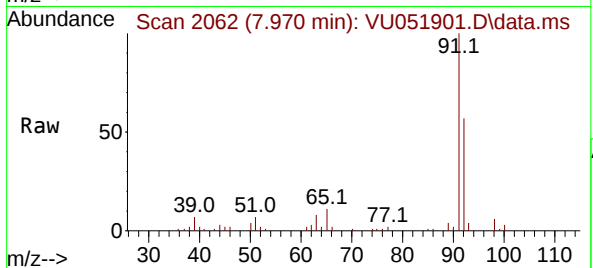
MDL07

Tgt Ion: 91 Resp: 32000

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 2.769 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051901.D

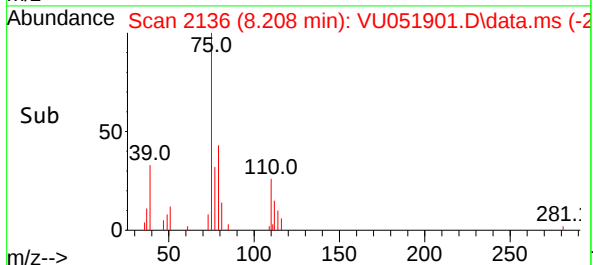
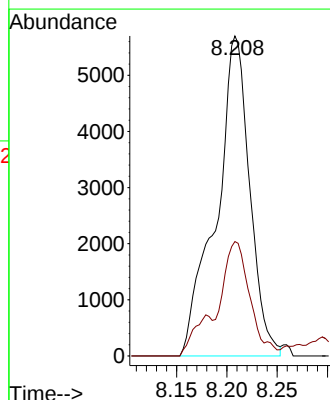
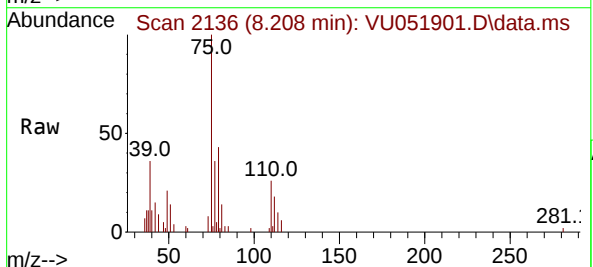
Acq: 18 Nov 2022 13:17

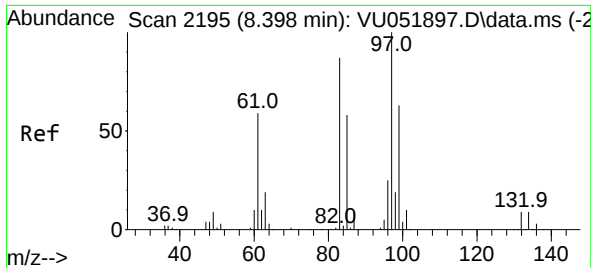
Tgt Ion: 75 Resp: 13224

Ion Ratio Lower Upper

75 100

77 35.7 21.8 40.6

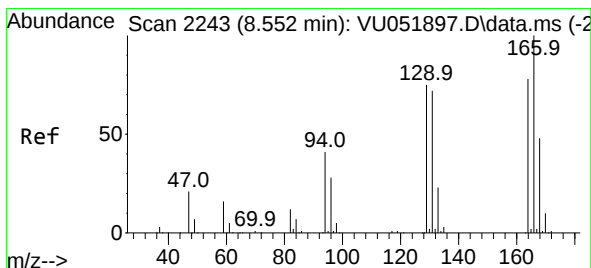
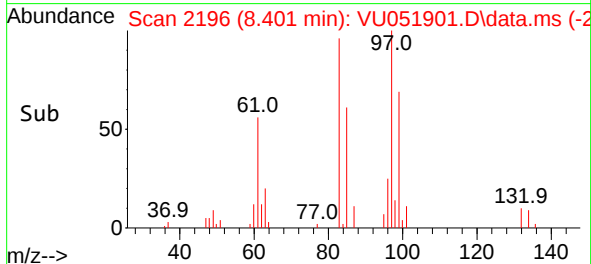
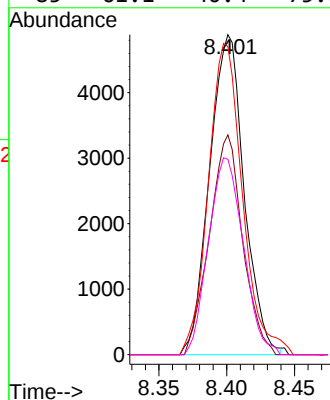
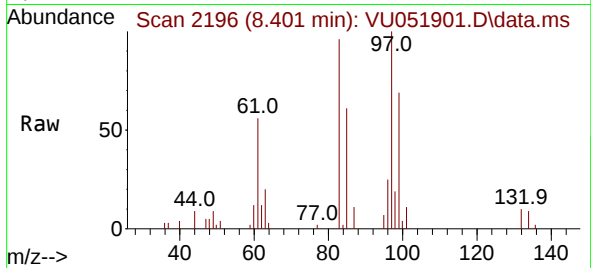




#45
1,1,2-Trichloroethane
Concen: 2.239 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

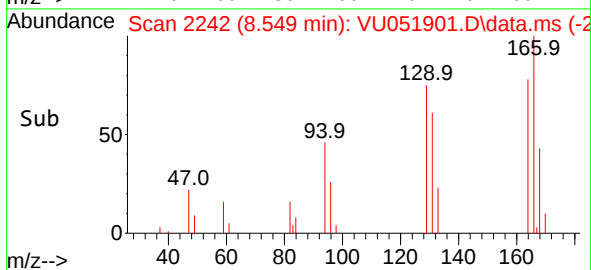
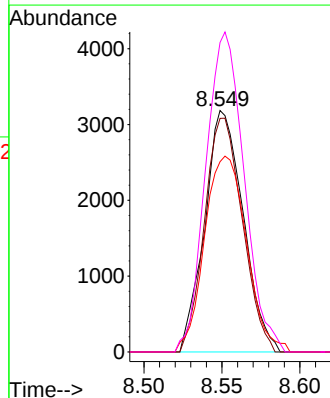
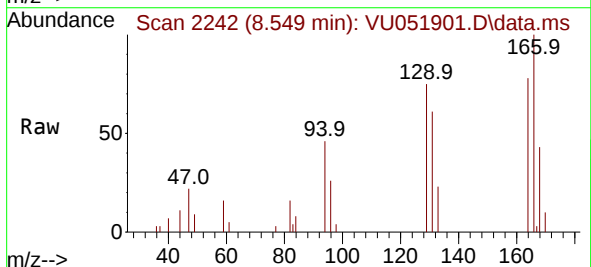
Instrument :
MSVOA_U
ClientSampleId :
MDL07

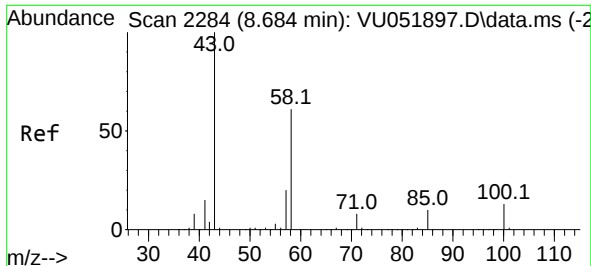
Tgt Ion: 97	Resp:	8670
Ion	Ratio	Lower Upper
97	100	
99	68.7	44.3 82.3
83	96.3	62.3 115.7
85	61.1	40.4 75.0



#46
Tetrachloroethene
Concen: 2.145 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion: 164	Resp:	5462
Ion	Ratio	Lower Upper
164	100	
129	96.8	68.5 127.1
131	78.8	66.6 123.8
166	128.2	91.9 170.7

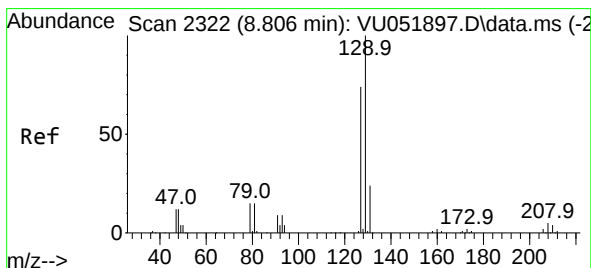
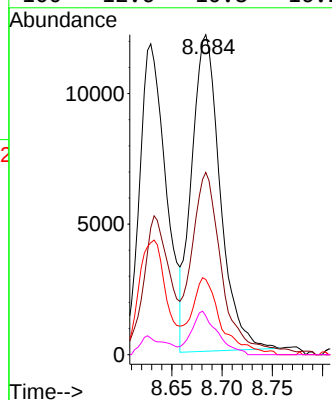
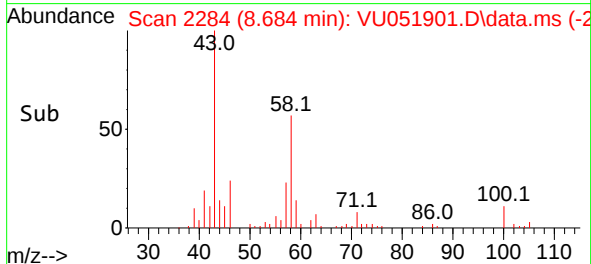
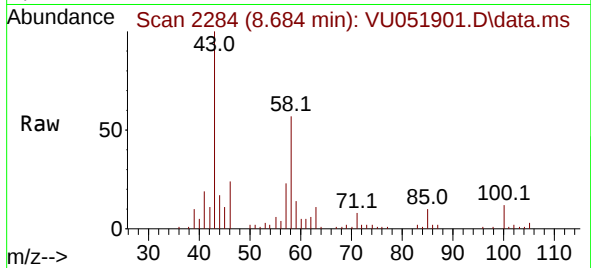




#48
2-Hexanone
Concen: 5.562 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

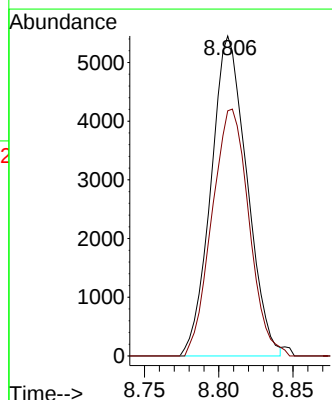
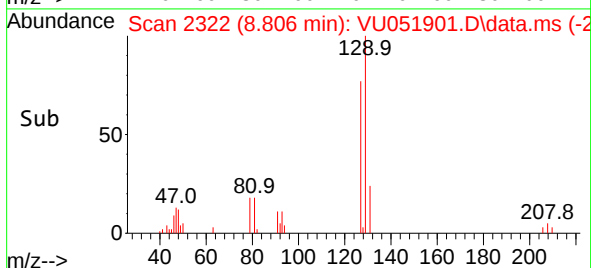
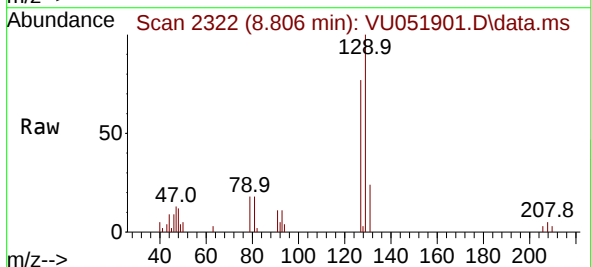
Instrument :
MSVOA_U
ClientSampleId :
MDL07

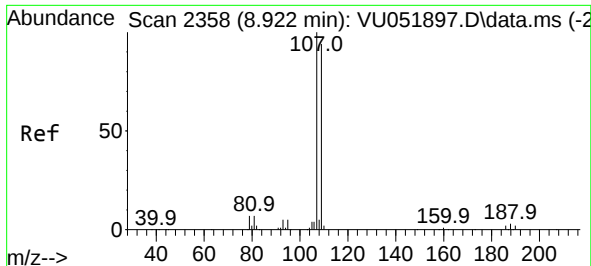
Tgt Ion: 43	Resp: 23971
Ion Ratio	Lower Upper
43 100	
58 56.8	50.6 76.0
57 17.7	16.8 25.2
100 12.6	10.8 16.2



#49
Dibromochloromethane
Concen: 2.296 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion:129	Resp:	9166	
Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.4	101.0





#50

1,2-Dibromoethane

Concen: 2.258 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

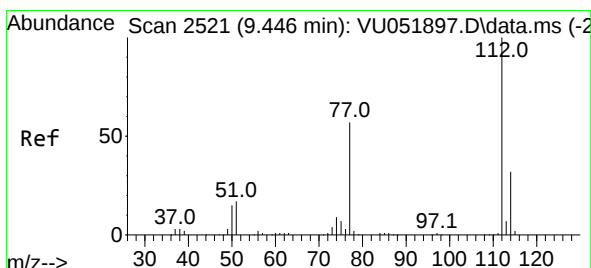
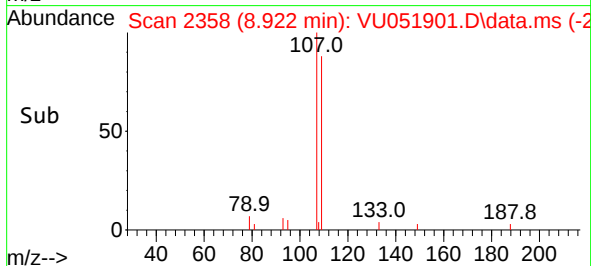
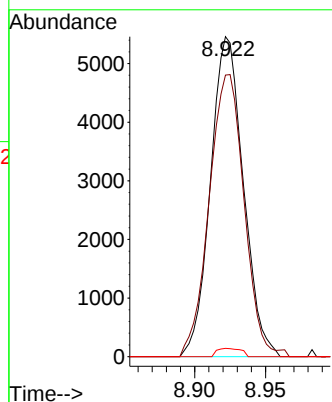
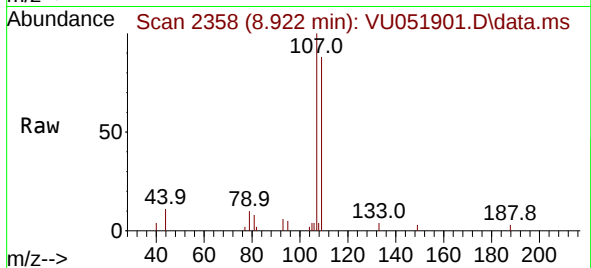
Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tgt Ion:107	Resp:	8803
Ion	Ratio	Lower Upper
107	100	
109	88.0	65.0 120.6
188	2.6	2.9 4.3#



#51

Chlorobenzene

Concen: 2.257 ug/L

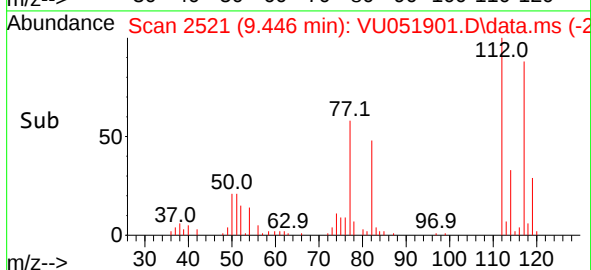
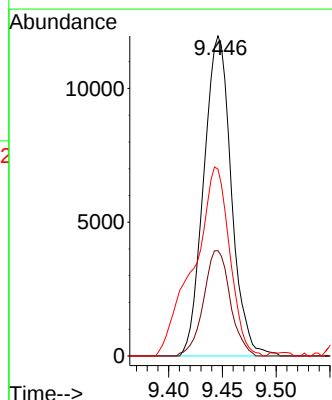
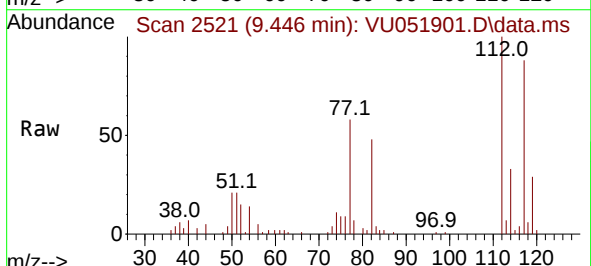
RT: 9.446 min Scan# 2521

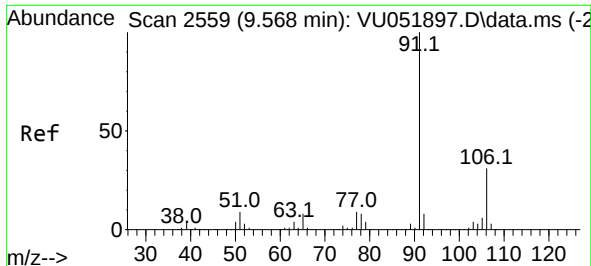
Delta R.T. -0.000 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Tgt Ion:112	Resp:	21347
Ion	Ratio	Lower Upper
112	100	
114	32.9	22.2 41.2
77	58.4	46.7 70.1

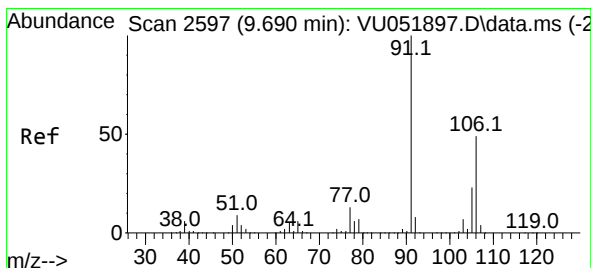
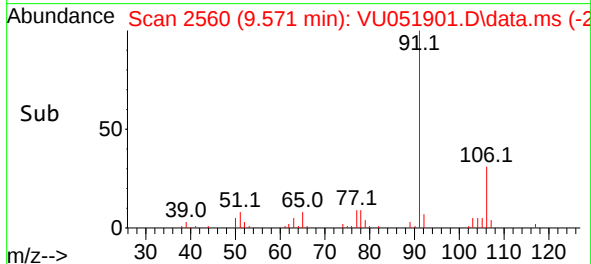
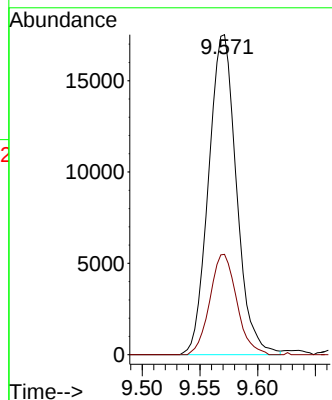
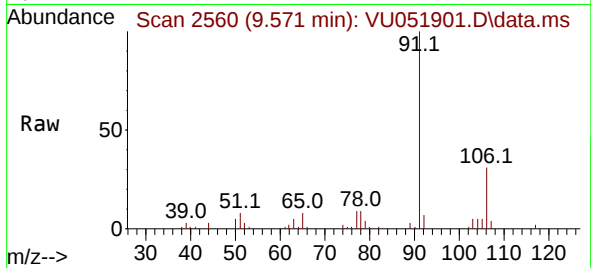




#52
Ethylbenzene
Concen: 2.076 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

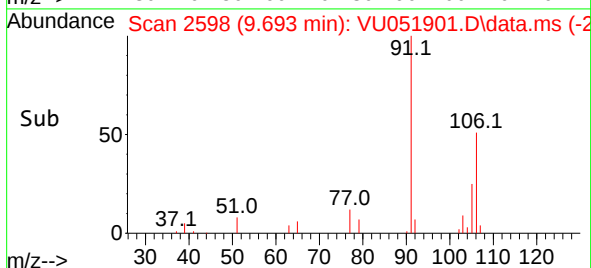
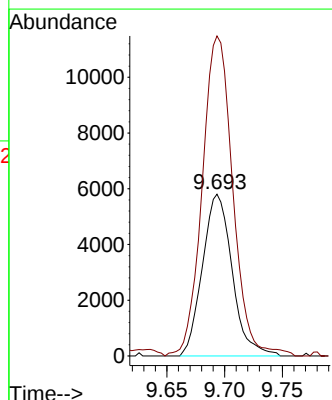
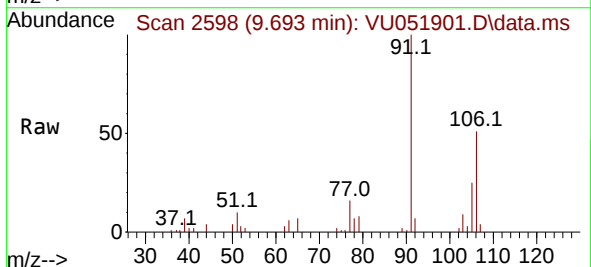
Instrument :
MSVOA_U
ClientSampleId :
MDL07

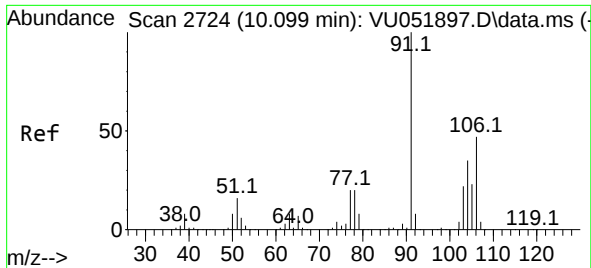
Tgt Ion: 91 Resp: 29401
Ion Ratio Lower Upper
91 100
106 31.3 21.3 39.6



#53
m,p-Xylene
Concen: 1.898 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.001 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion: 106 Resp: 10405
Ion Ratio Lower Upper
106 100
91 197.8 141.7 263.3

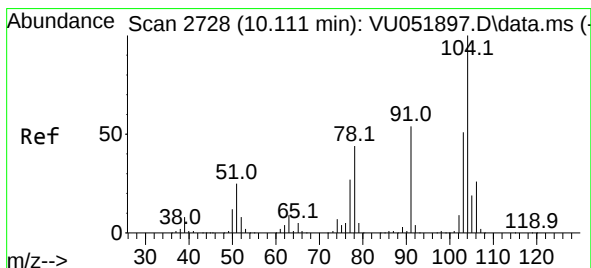
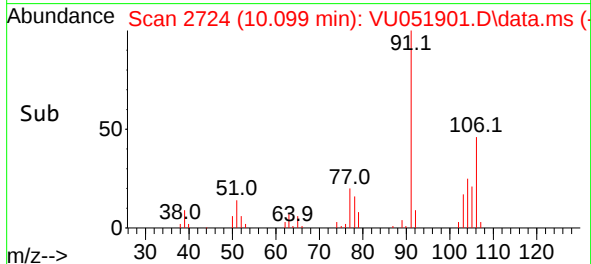
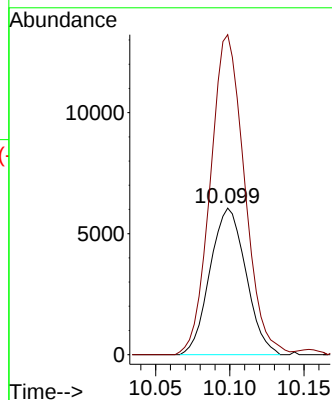
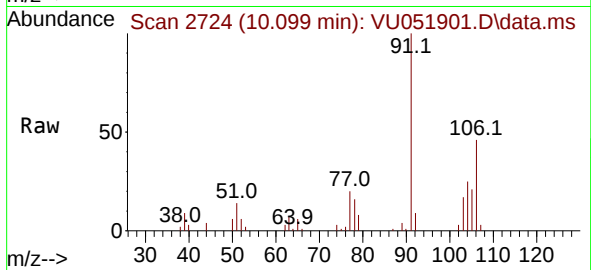




#54
o-Xylene
Concen: 1.824 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

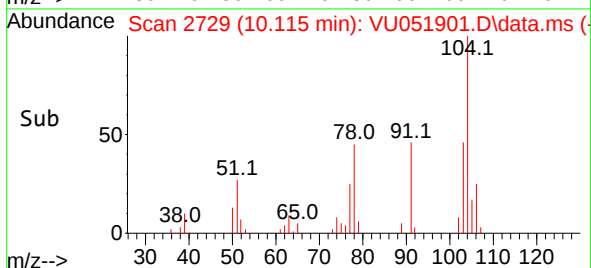
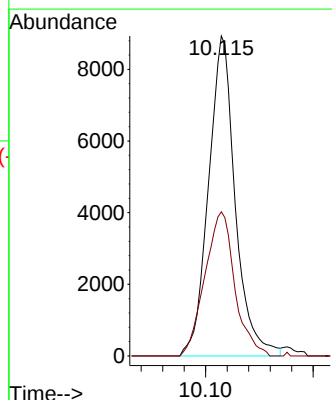
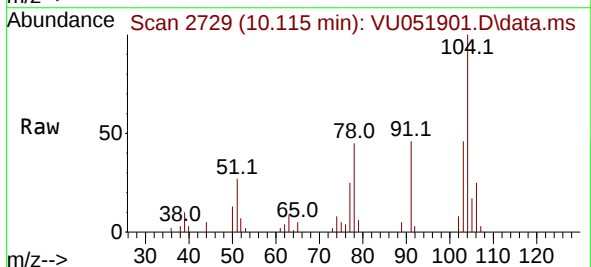
Instrument :
MSVOA_U
ClientSampleId :
MDL07

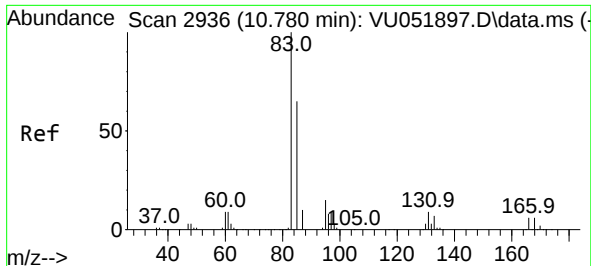
Tgt Ion:106 Resp: 10180
Ion Ratio Lower Upper
106 100
91 218.3 149.7 278.1



#55
Styrene
Concen: 1.601 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion:104 Resp: 15416
Ion Ratio Lower Upper
104 100
78 45.1 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.435 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

MDL07

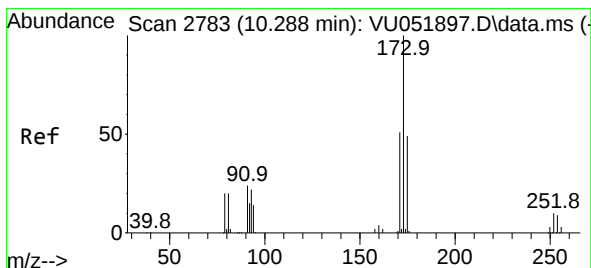
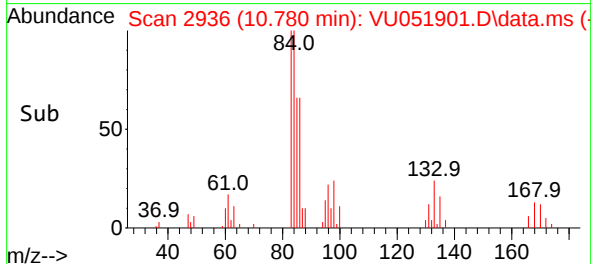
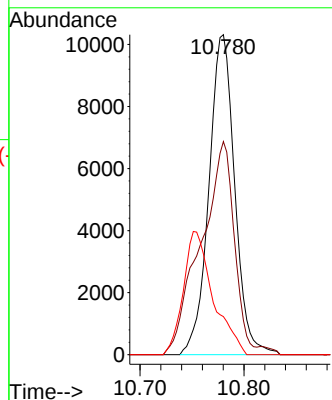
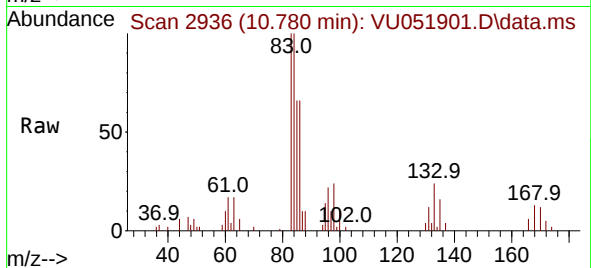
Tgt Ion: 83 Resp: 17817

Ion Ratio Lower Upper

83 100

85 66.6 44.9 83.3

131 11.9 6.8 10.2#



#59

Bromoform

Concen: 2.639 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

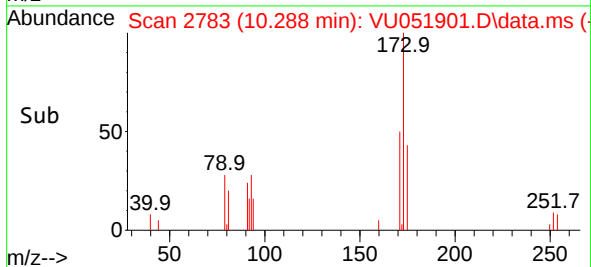
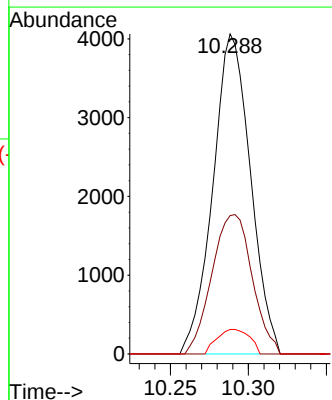
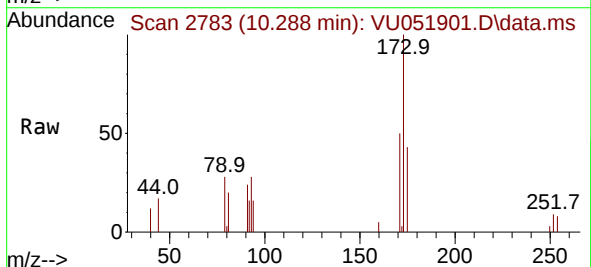
Tgt Ion:173 Resp: 6796

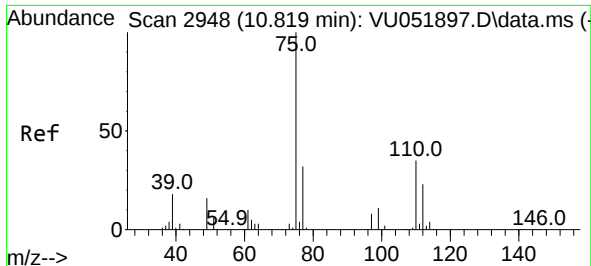
Ion Ratio Lower Upper

173 100

175 46.7 38.9 58.3

254 6.6 7.4 11.2#

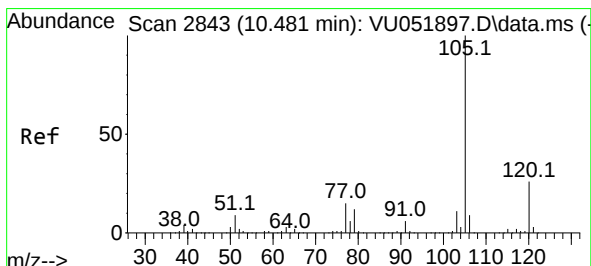
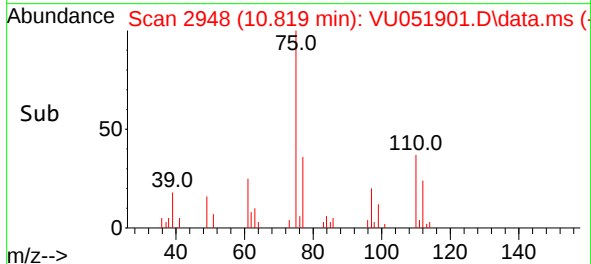
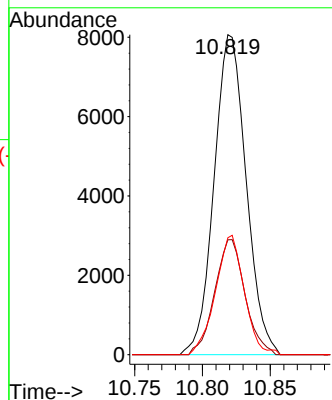
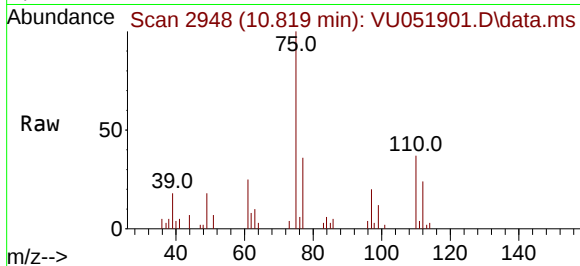




#60
1,2,3-Trichloropropane
Concen: 2.919 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

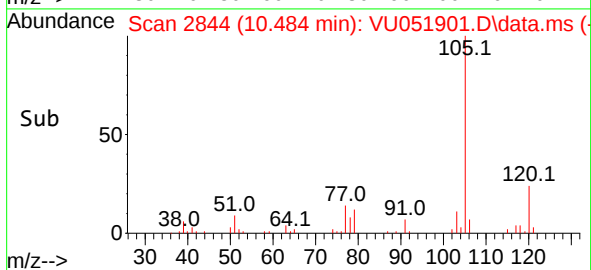
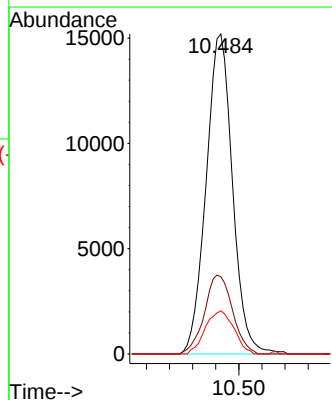
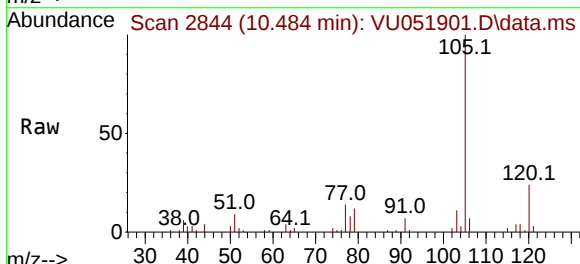
Instrument :
MSVOA_U
ClientSampleId :
MDL07

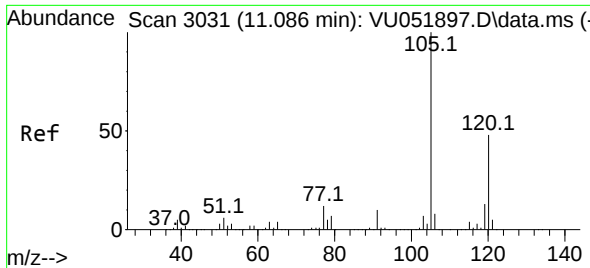
Tgt Ion:	75	Resp:	13261
Ion	Ratio	Lower	Upper
75	100		
77	34.0	26.2	39.4
110	33.1	29.0	43.4



#61
Isopropylbenzene
Concen: 2.169 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion:	105	Resp:	24080
Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.1	31.7
77	14.5	12.2	18.4

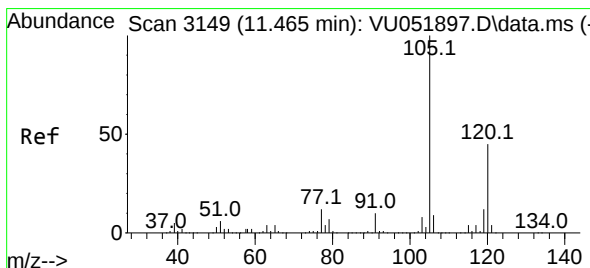
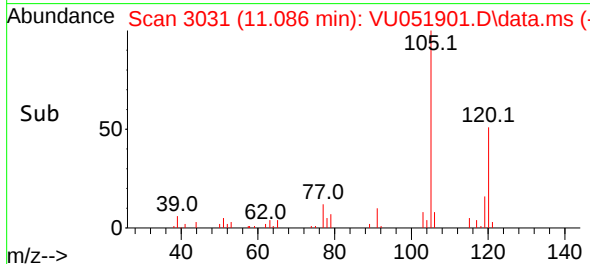
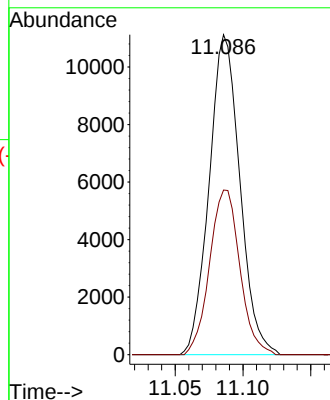
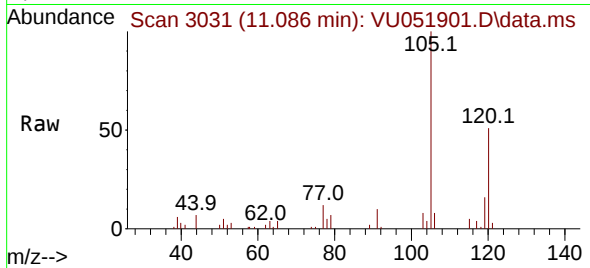




#62
1,3,5-Trimethylbenzene
Concen: 1.938 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

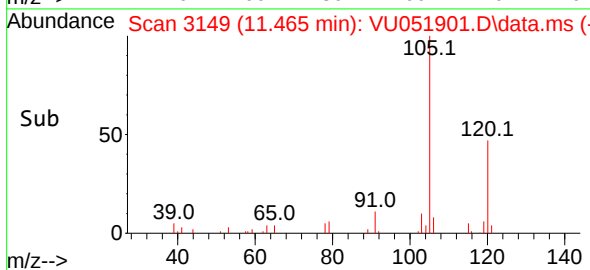
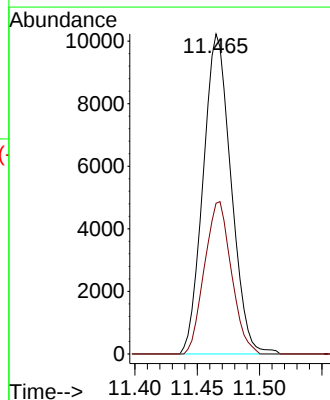
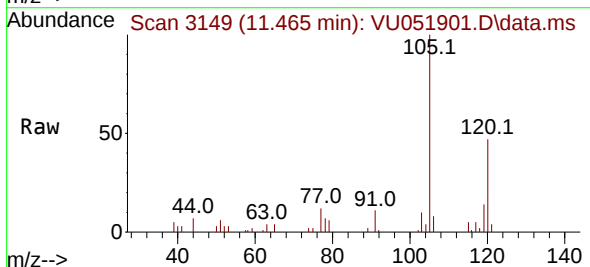
Instrument :
MSVOA_U
ClientSampleId :
MDL07

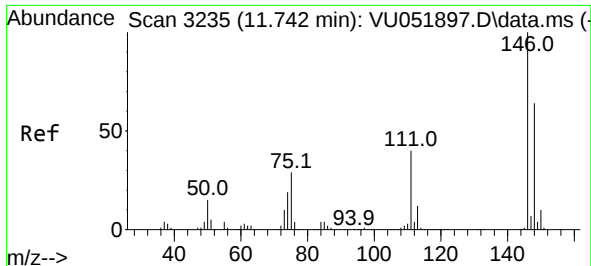
Tgt Ion:105 Resp: 17528
Ion Ratio Lower Upper
105 100
120 50.7 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 1.802 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion:105 Resp: 15927
Ion Ratio Lower Upper
105 100
120 45.9 36.2 54.2

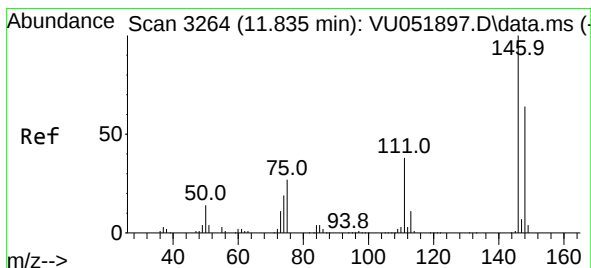
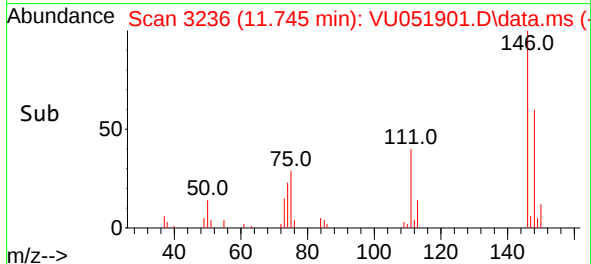
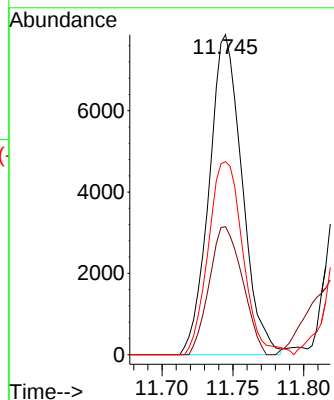
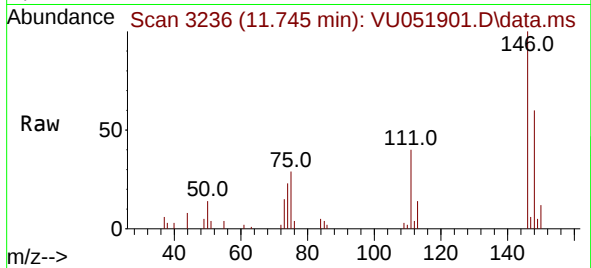




#64
1,3-Dichlorobenzene
Concen: 2.262 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

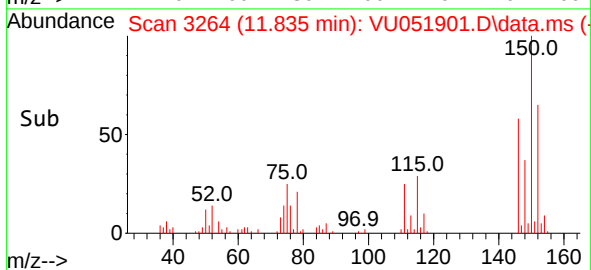
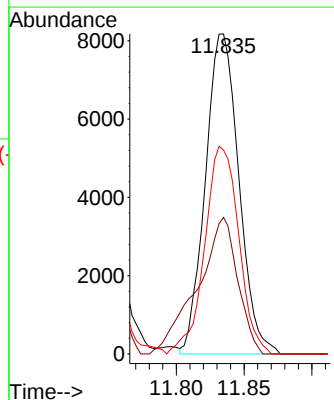
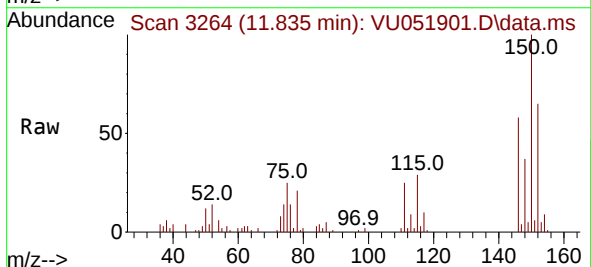
Instrument :
MSVOA_U
ClientSampleId :
MDL07

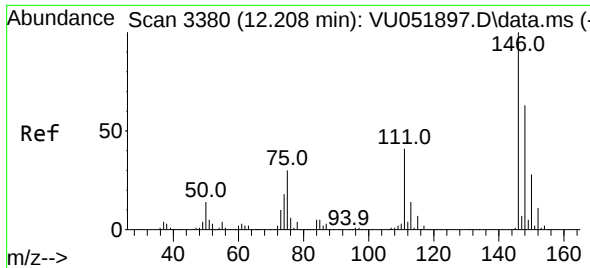
Tgt Ion:146 Resp: 12726
Ion Ratio Lower Upper
146 100
111 40.0 28.1 52.1
148 60.3 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 2.468 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion:146 Resp: 14062
Ion Ratio Lower Upper
146 100
111 42.7 26.7 49.5
148 63.7 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.634 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

Instrument :

MSVOA_U

ClientSampleId :

MDL07

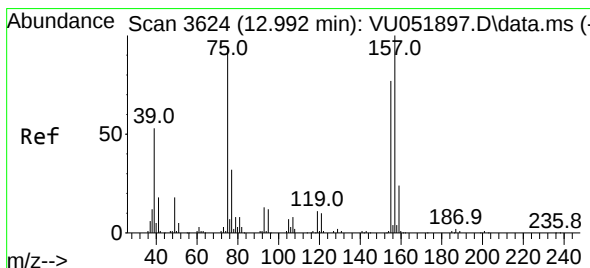
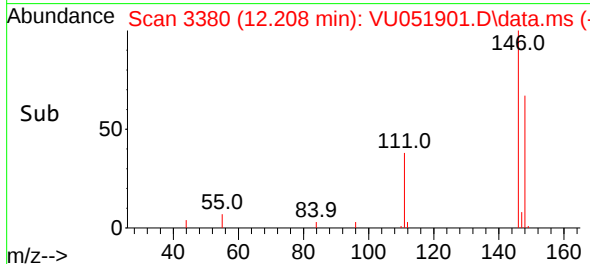
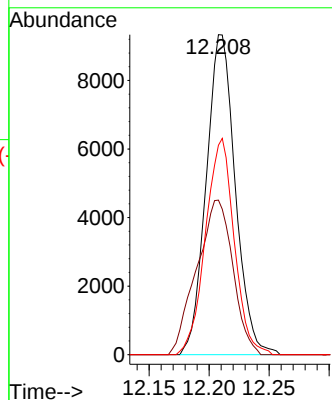
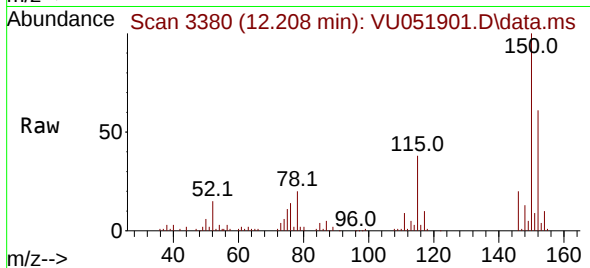
Tgt Ion:146 Resp: 15756

Ion Ratio Lower Upper

146 100

111 48.3 33.6 50.4

148 65.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.663 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051901.D

Acq: 18 Nov 2022 13:17

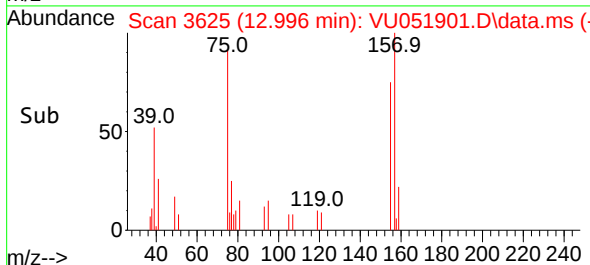
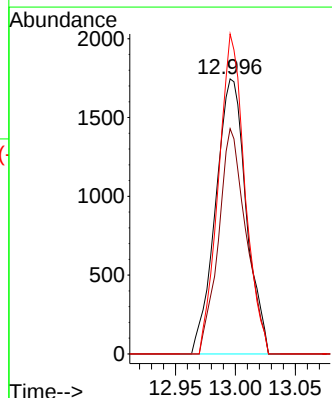
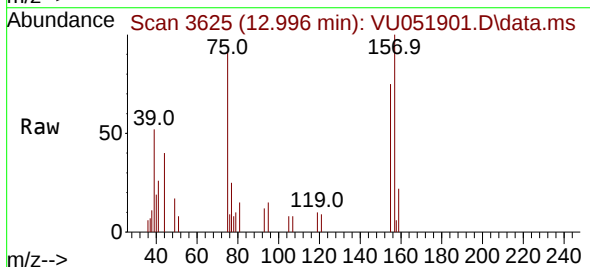
Tgt Ion: 75 Resp: 3097

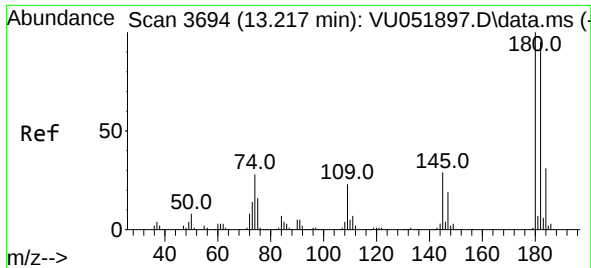
Ion Ratio Lower Upper

75 100

155 81.9 63.0 94.6

157 116.3 79.4 119.0

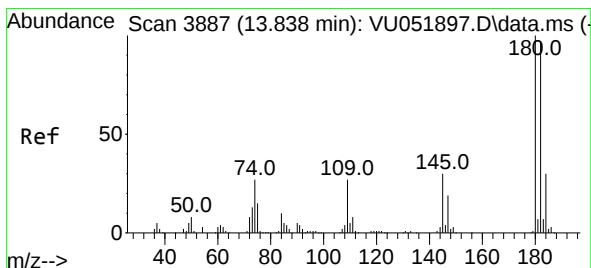
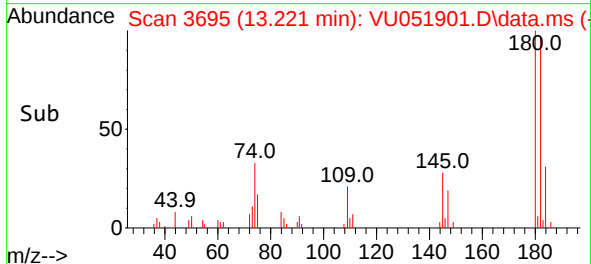
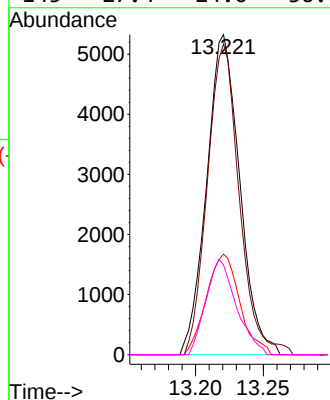
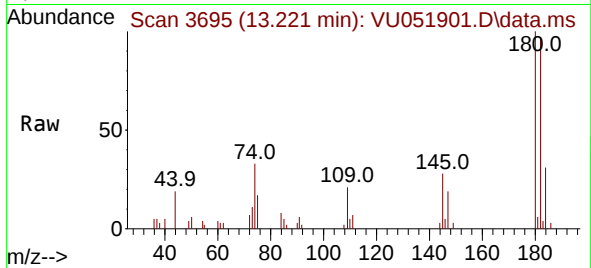




#69
 1,3,5-Trichlorobenzene
 Concen: 2.416 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU051901.D
 Acq: 18 Nov 2022 13:17

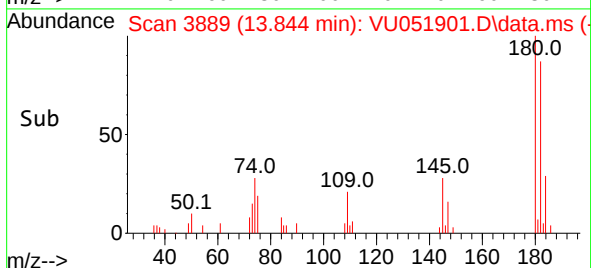
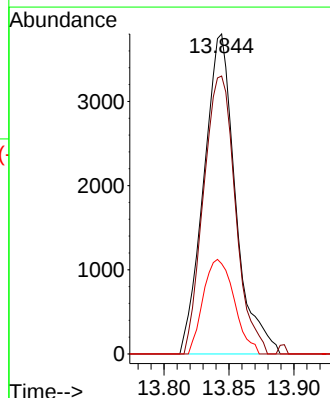
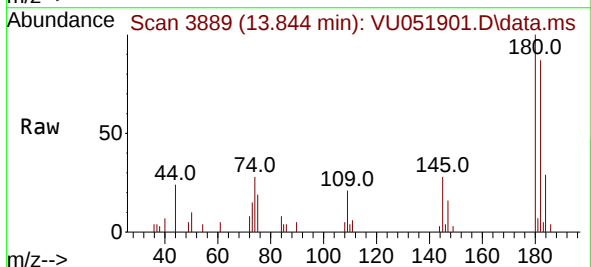
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

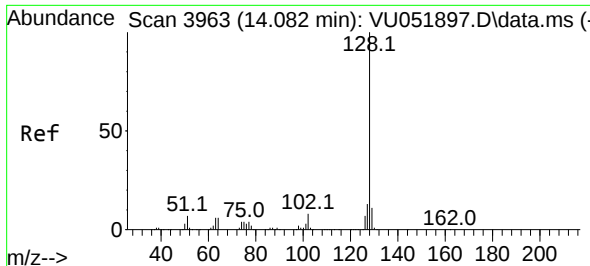
Tgt Ion:180	Resp:	9019
Ion Ratio	Lower	Upper
180	100	
182	92.1	77.0 115.4
184	31.7	23.8 35.8
145	27.4	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 2.176 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.006 min
 Lab File: VU051901.D
 Acq: 18 Nov 2022 13:17

Tgt Ion:180	Resp:	6436
Ion Ratio	Lower	Upper
180	100	
182	87.3	76.4 114.6
145	28.9	24.2 36.2

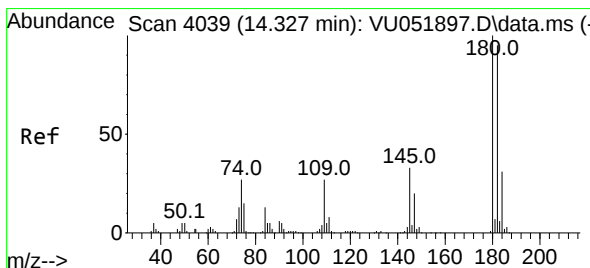
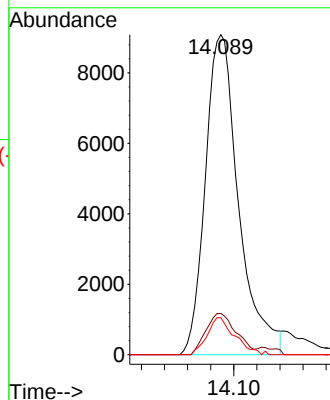
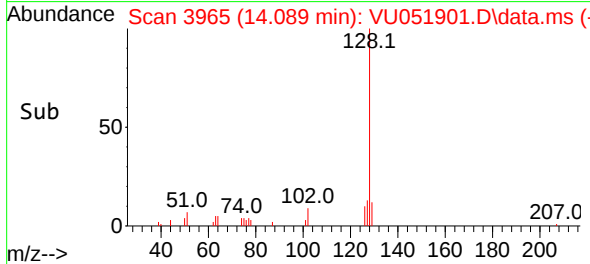
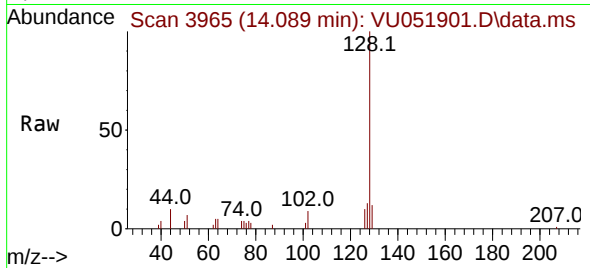




#71
Naphthalene
Concen: 1.870 ug/L
RT: 14.089 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion:	128	Resp:	18190
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.4	15.6
129	9.5	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 2.190 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051901.D
Acq: 18 Nov 2022 13:17

Tgt Ion:	180	Resp:	7090
Ion Ratio	Lower	Upper	
180	100		
182	93.0	76.9	115.3
145	28.9	24.9	37.3

