

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120622\
 Data File : VU052189.D
 Acq On : 06 Dec 2022 13:39
 Operator : JC/MD
 Sample : MDL03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Quant Time: Dec 06 21:34:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 06 21:24:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	198002	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	203247	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	78689	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	107518	5.582	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.600%
7) Chloroethane-d5	1.912	69	87487	5.848	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.000%
11) 1,1-Dichloroethene-d2	2.565	65	40528	5.871	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.400%
20) 2-Butanone-d5	4.642	46	183994	52.704	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.400%
24) Chloroform-d	5.063	84	170210	6.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.200%
26) 1,2-Dichloroethane-d4	5.700	65	81644	5.712	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.200%
32) Benzene-d6	5.726	84	331405	5.492	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.800%
36) 1,2-Dichloropropane-d6	6.690	67	107433	5.753	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.000%
41) Toluene-d8	7.896	98	266687	4.885	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
43) trans-1,3-Dichloroprop...	8.179	79	33864	4.976	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.600%
46) 2-Hexanone-d5	8.636	63	134497	46.638	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.280%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	88104	5.442	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	88190	5.854	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	4474	0.261	ug/L	97
3) Chloromethane	1.520	50	6842	0.305	ug/L	98
5) Vinyl chloride	1.604	62	6175	0.287	ug/L #	75
6) Bromomethane	1.858	94	3057	0.277	ug/L	92
8) Chloroethane	1.935	64	3527	0.263	ug/L	97
9) Trichlorofluoromethane	2.141	101	6418	0.271	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	5116	0.353	ug/L #	79
12) 1,1-Dichloroethene	2.578	96	4719	0.329	ug/L #	1
13) Acetone	2.665	43	5564	2.347	ug/L	70
14) Carbon disulfide	2.793	76	13316	0.268	ug/L	97
15) Methyl Acetate	2.977	43	1060	0.172	ug/L #	61
16) Methylene chloride	3.047	84	8603	0.443	ug/L	100
17) Methyl tert-butyl Ether	3.369	73	6560	0.204	ug/L #	92
18) trans-1,2-Dichloroethene	3.353	96	3811	0.248	ug/L	97
19) 1,1-Dichloroethane	3.870	63	6968	0.251	ug/L #	90
21) 2-Butanone	4.674	43	374	0.098	ug/L	91
22) cis-1,2-Dichloroethene	4.668	96	3935	0.244	ug/L	100
23) Bromochloromethane	4.983	128	2173	0.281	ug/L #	73
25) Chloroform	5.089	83	8099	0.288	ug/L	89

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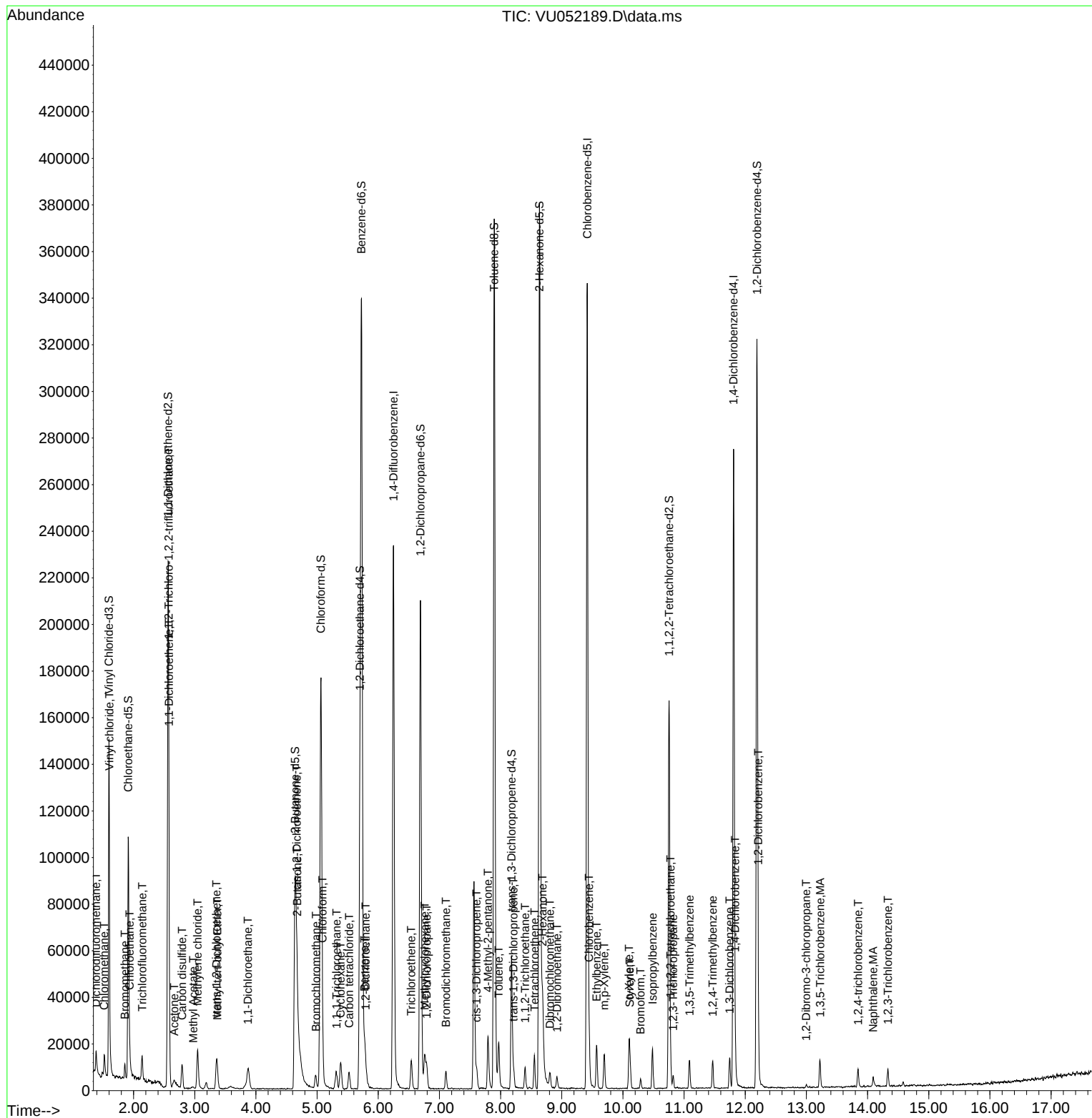
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	4611	0.268	ug/L #	88
29) 1,1,1-Trichloroethane	5.317	97	5617	0.249	ug/L #	85
30) Cyclohexane	5.385	56	4542	0.207	ug/L	98
31) Carbon tetrachloride	5.523	117	4690	0.245	ug/L	99
33) Benzene	5.774	78	16464	0.249	ug/L	100
34) Trichloroethene	6.539	95	3748	0.227	ug/L	96
35) Methylcyclohexane	6.761	83	5301	0.223	ug/L	91
37) 1,2-Dichloropropane	6.790	63	4221	0.246	ug/L #	89
38) Bromodichloromethane	7.108	83	5391	0.258	ug/L #	84
39) cis-1,3-Dichloropropene	7.607	75	4552	0.207	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	15315	1.712	ug/L #	83
42) Toluene	7.970	91	15075	0.222	ug/L	93
44) trans-1,3-Dichloropropene	8.211	75	4139	0.220	ug/L	90
45) 1,1,2-Trichloroethane	8.401	97	3167	0.246	ug/L	98
47) Tetrachloroethene	8.555	164	3100	0.245	ug/L	91
48) 2-Hexanone	8.687	43	18667	2.846	ug/L #	96
49) Dibromochloromethane	8.809	129	3818	0.265	ug/L	98
50) 1,2-Dibromoethane	8.922	107	2871	0.245	ug/L #	93
51) Chlorobenzene	9.446	112	10098	0.233	ug/L	98
52) Ethylbenzene	9.571	91	13232	0.200	ug/L	97
53) m,p-Xylene	9.697	106	4526	0.177	ug/L	93
54) o-Xylene	10.099	106	4524	0.184	ug/L	91
55) Styrene	10.115	104	6280	0.151	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.780	83	3886	0.242	ug/L #	96
59) Bromoform	10.288	173	1906	0.294	ug/L #	97
60) Isopropylbenzene	10.484	105	11034	0.223	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	2477	0.275	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	7099	0.180	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	7115	0.181	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	6046	0.240	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	6214	0.247	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	6618	0.272	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.996	75	418	0.212	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.224	180	4579	0.256	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	3054	0.224	ug/L	95
71) Naphthalene	14.092	128	4632	0.181	ug/L #	90
72) 1,2,3-Trichlorobenzene	14.333	180	2948	0.220	ug/L	98

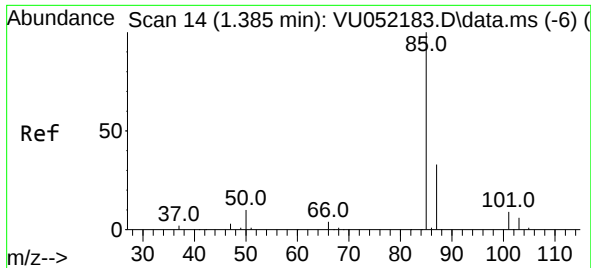
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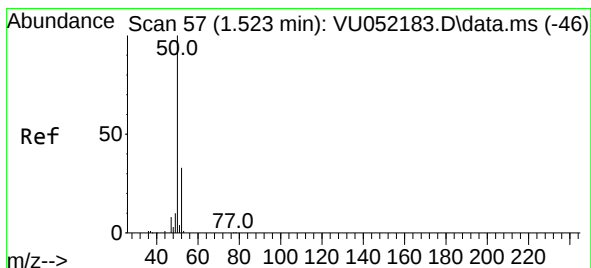
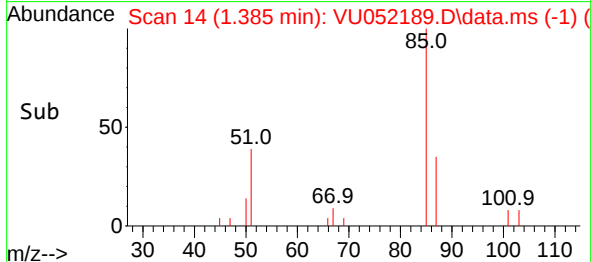
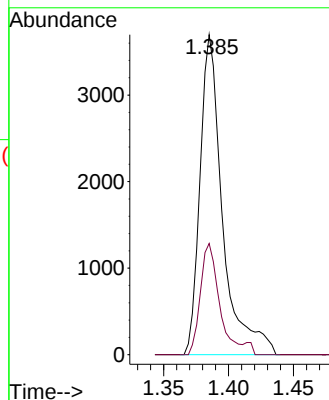
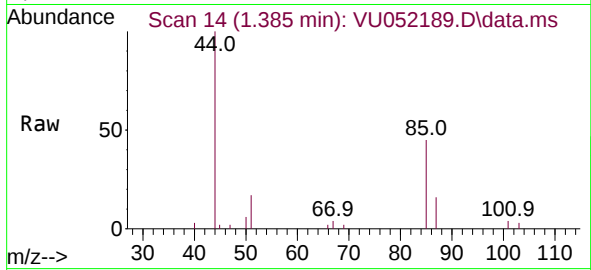




#2
Dichlorodifluoromethane
Concen: 0.261 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

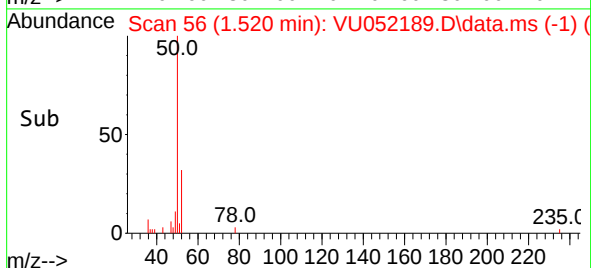
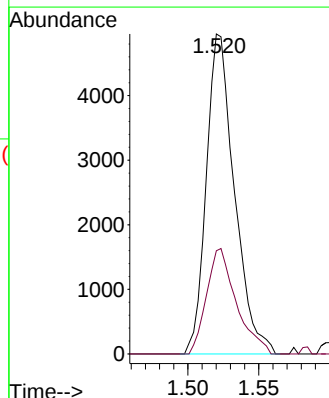
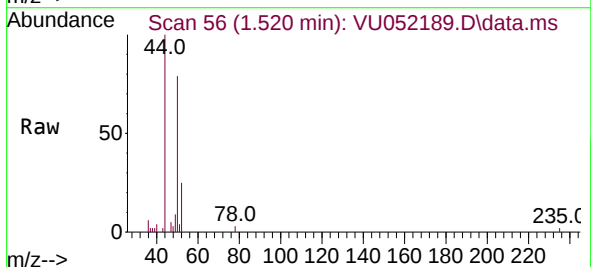
Instrument :
MSVOA_U
ClientSampleId :
MDL03

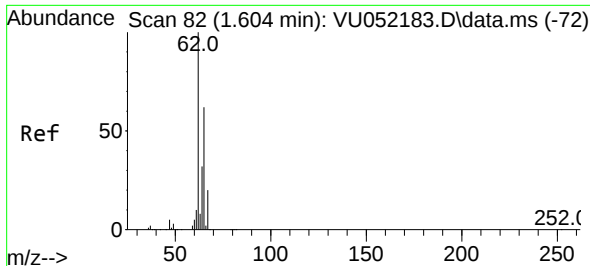
Tgt Ion: 85 Resp: 4474
Ion Ratio Lower Upper
85 100
87 30.4 25.8 38.8



#3
Chloromethane
Concen: 0.305 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion: 50 Resp: 6842
Ion Ratio Lower Upper
50 100
52 32.2 23.4 43.4

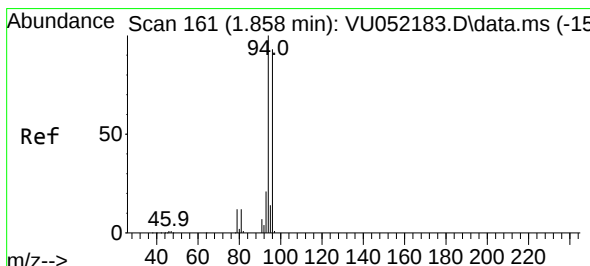
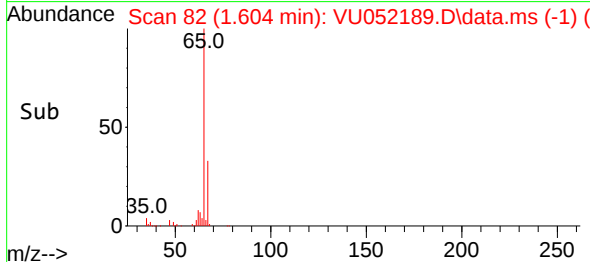
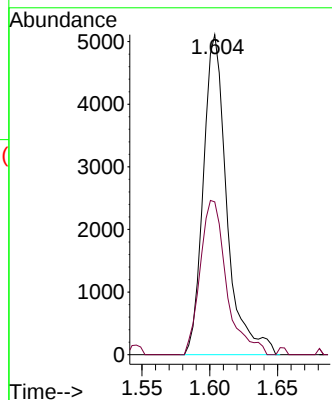
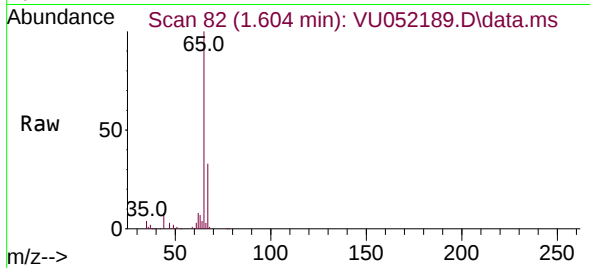




#5
 Vinyl chloride
 Concen: 0.287 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052189.D
 Acq: 06 Dec 2022 13:39

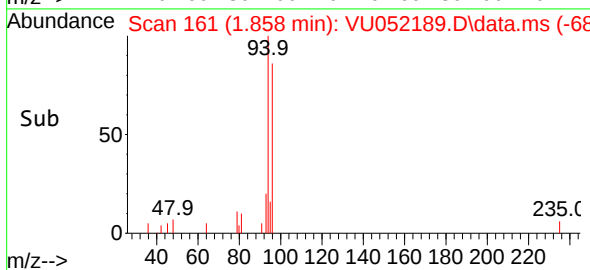
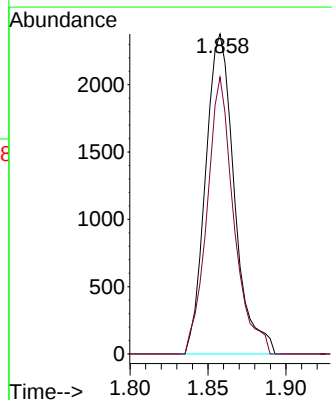
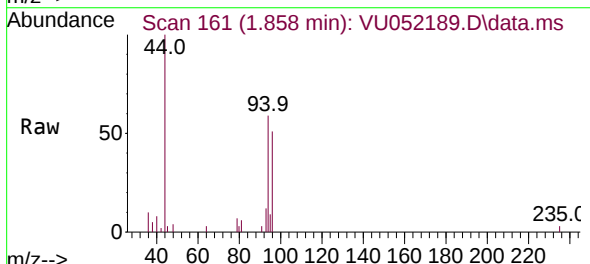
Instrument :
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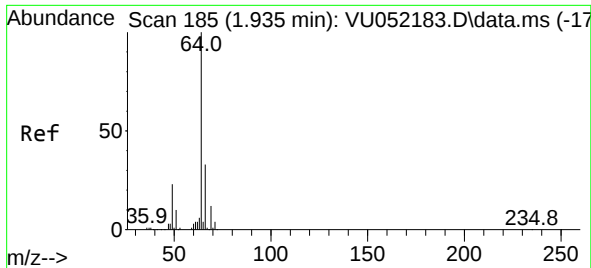
Tgt Ion: 62 Resp: 6175
 Ion Ratio Lower Upper
 62 100
 64 47.8 23.5 43.7#



#6
 Bromomethane
 Concen: 0.277 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052189.D
 Acq: 06 Dec 2022 13:39

Tgt Ion: 94 Resp: 3057
 Ion Ratio Lower Upper
 94 100
 96 86.5 65.7 122.1

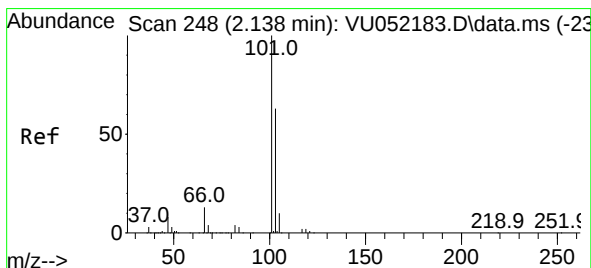
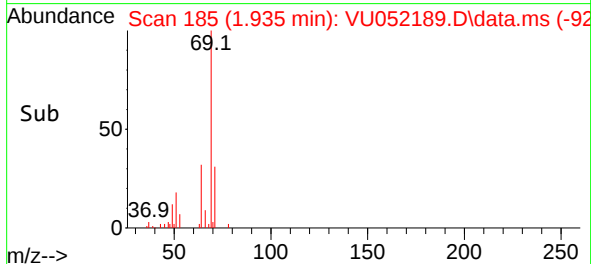
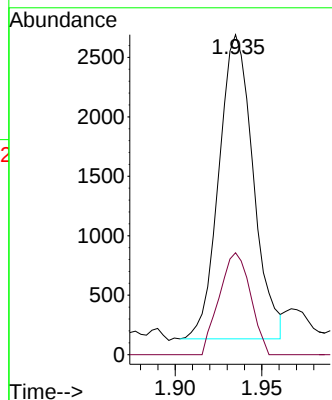
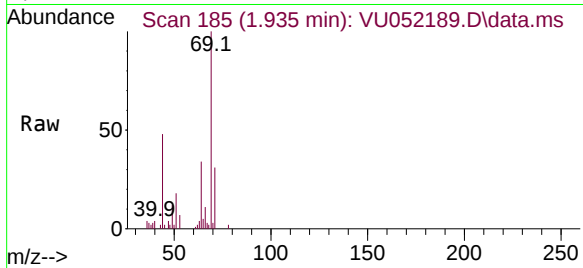




#8
Chloroethane
Concen: 0.263 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

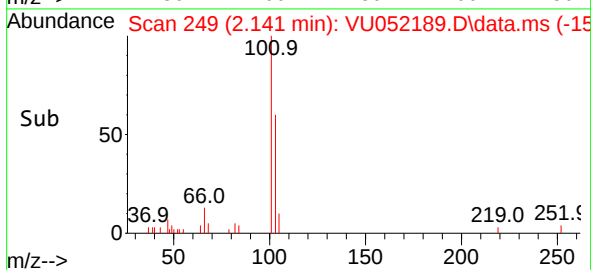
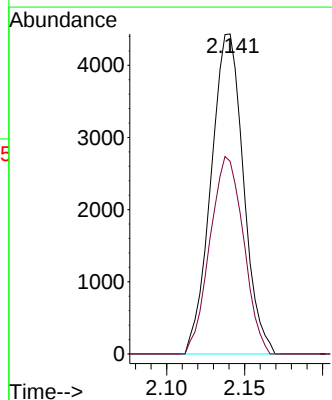
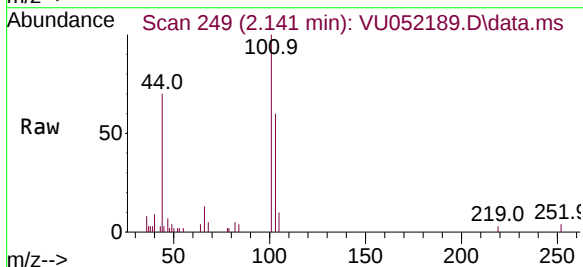
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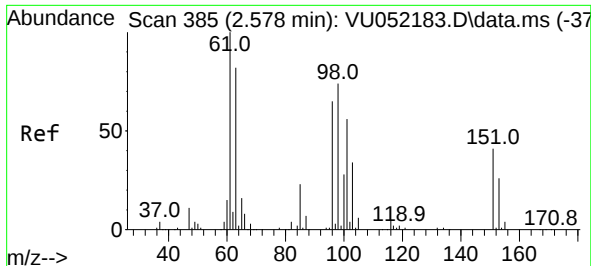
Tgt Ion: 64 Resp: 3527
Ion Ratio Lower Upper
64 100
66 31.8 21.1 39.1



#9
Trichlorofluoromethane
Concen: 0.271 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion: 101 Resp: 6418
Ion Ratio Lower Upper
101 100
103 63.8 51.6 77.4





#10

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

Concen: 0.353 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

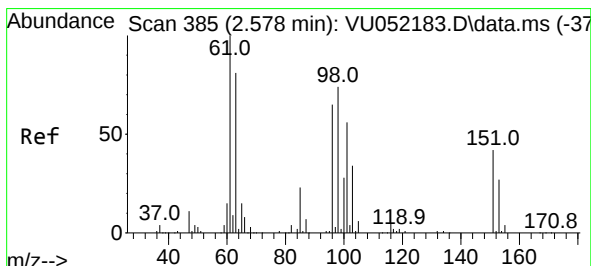
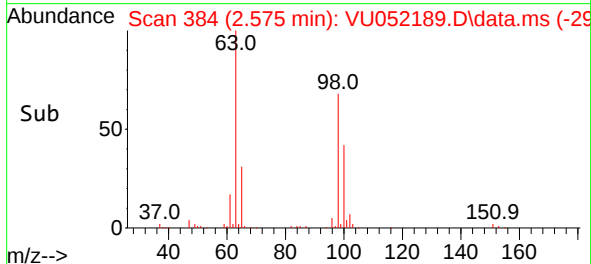
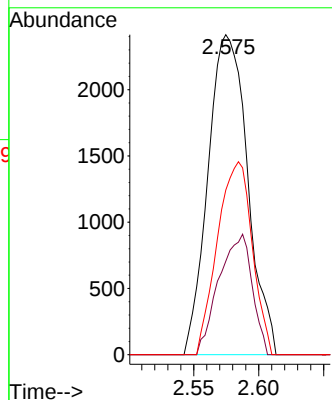
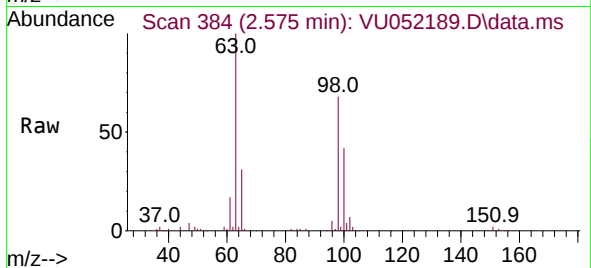
Tgt Ion:101 Resp: 5116

Ion Ratio Lower Upper

101 100

85 31.6 33.8 50.6#

151 53.0 58.6 88.0#



#12

1,1-Dichloroethene

Concen: 0.329 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

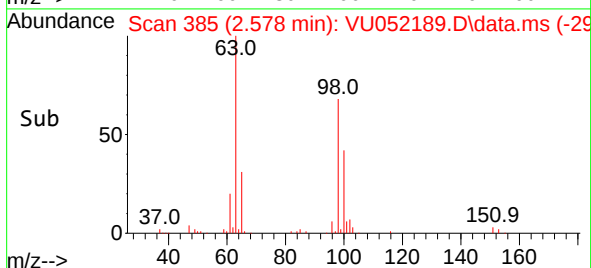
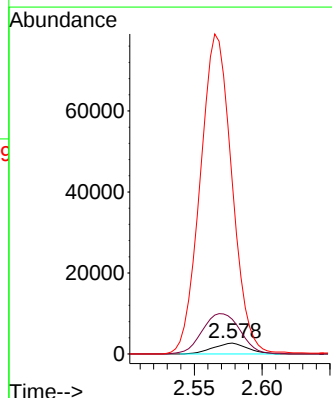
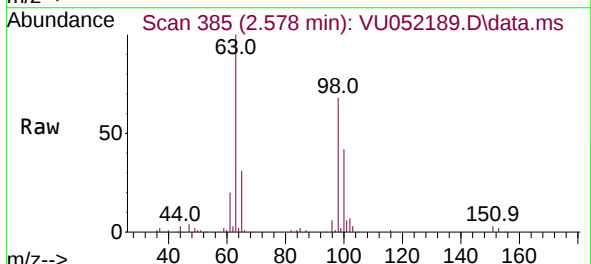
Tgt Ion: 96 Resp: 4719

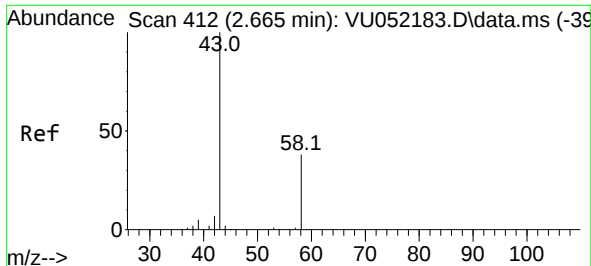
Ion Ratio Lower Upper

96 100

61 316.8 114.8 213.2#

63 1577.8 93.7 174.1#





#13

Acetone

Concen: 2.347 ug/L

RT: 2.665 min Scan# 412

Delta R.T. -0.000 min

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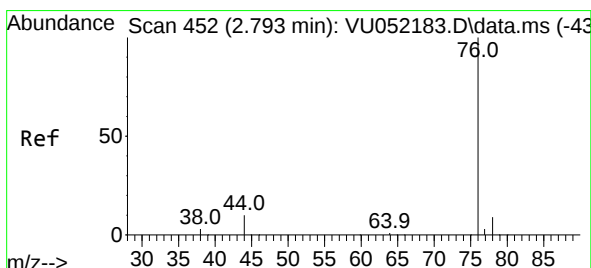
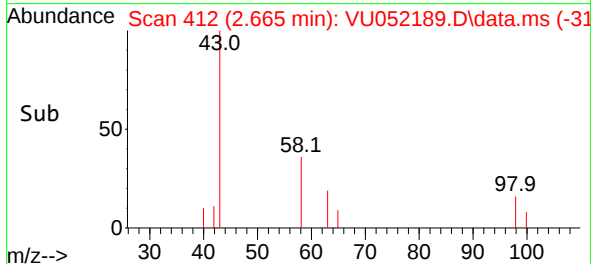
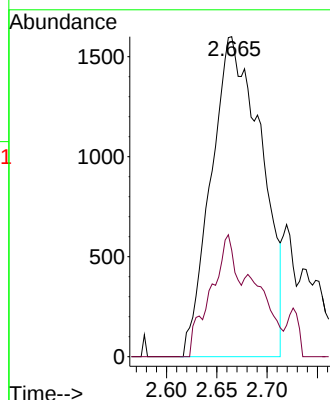
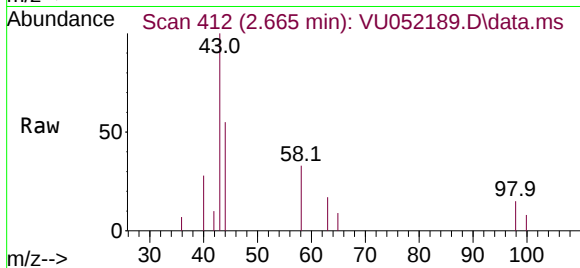
MDL03

Tgt Ion: 43 Resp: 5564

Ion Ratio Lower Upper

43 100

58 20.1 0.0 76.0



#14

Carbon disulfide

Concen: 0.268 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052189.D

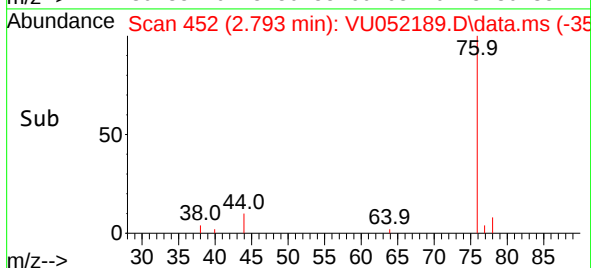
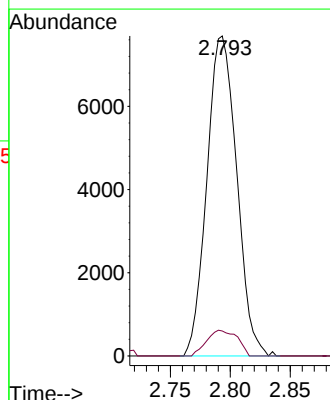
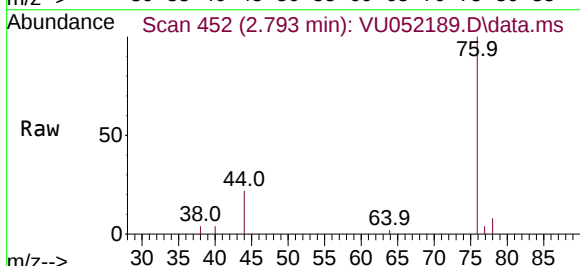
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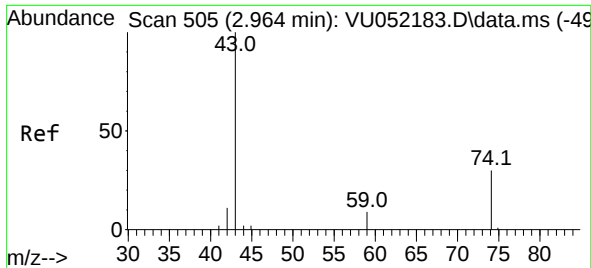
Tgt Ion: 76 Resp: 13316

Ion Ratio Lower Upper

76 100

78 7.8 7.0 10.4

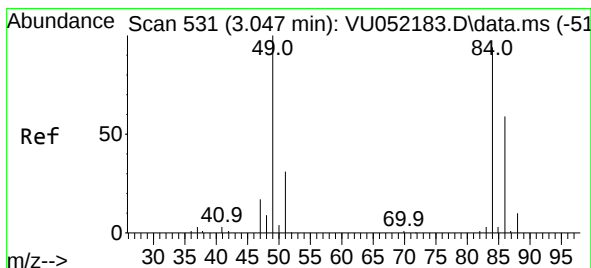
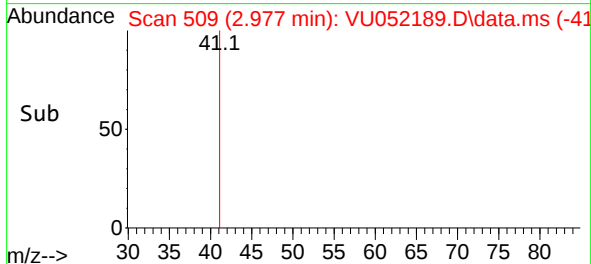
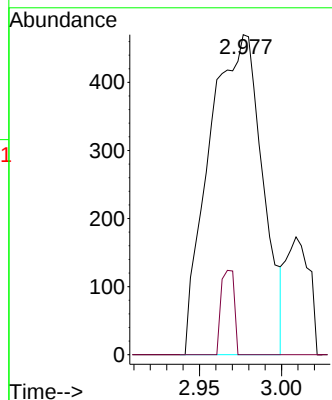
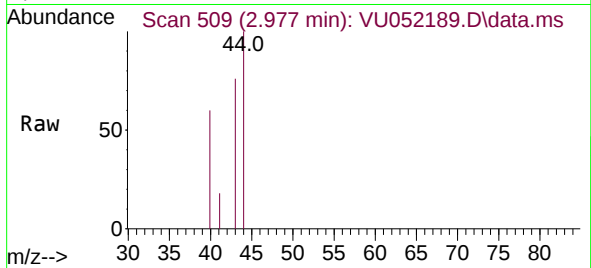




#15
Methyl Acetate
Concen: 0.172 ug/L
RT: 2.977 min Scan# 509
Delta R.T. 0.013 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

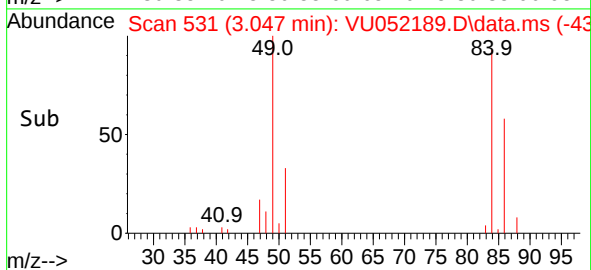
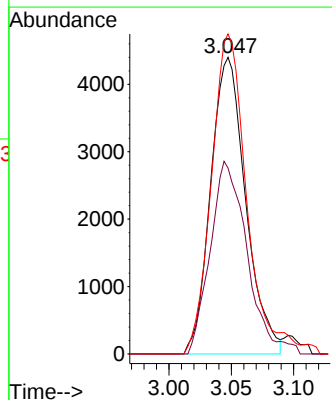
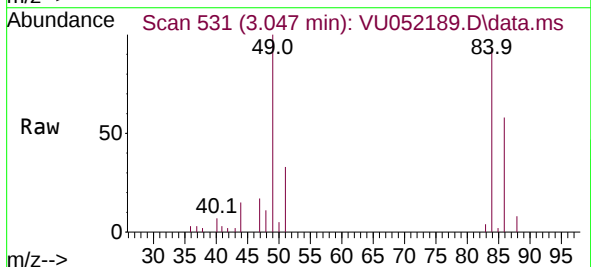
Instrument :
MSVOA_U
ClientSampleId :
MDL03

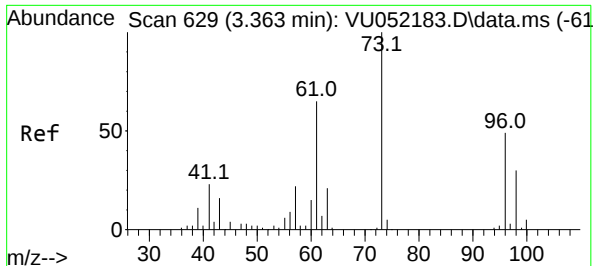
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
74 6.5 21.3 31.9#



#16
Methylene chloride
Concen: 0.443 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion: 84 Resp: 8603
Ion Ratio Lower Upper
84 100
86 62.7 43.8 81.4
49 107.9 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 0.204 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

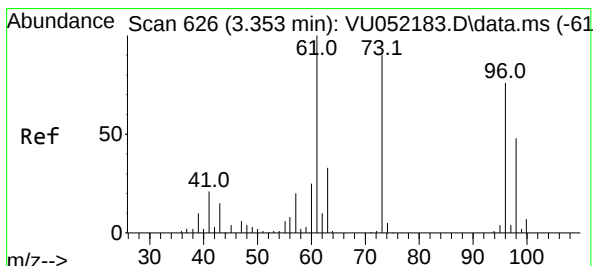
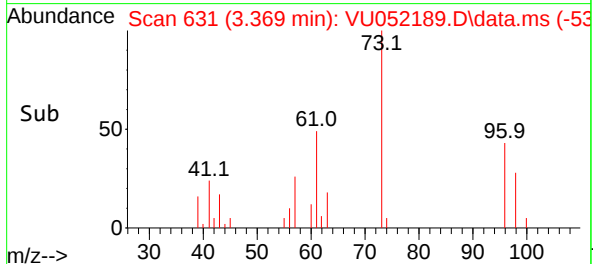
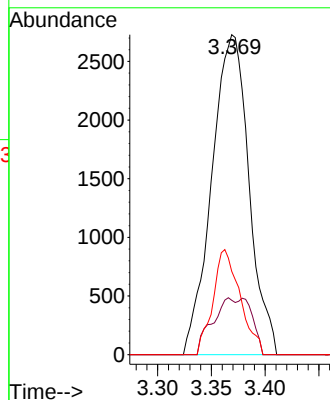
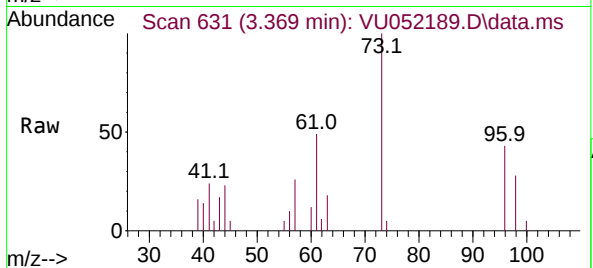
Tgt Ion: 73 Resp: 6560

Ion Ratio Lower Upper

73 100

43 11.0 13.2 19.8#

57 24.1 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 0.248 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

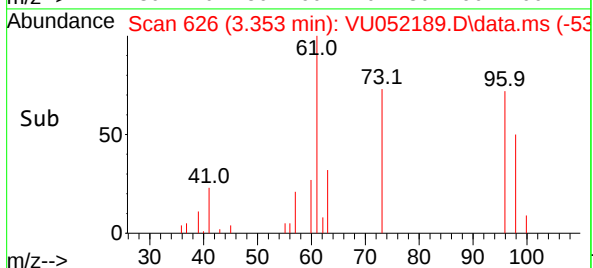
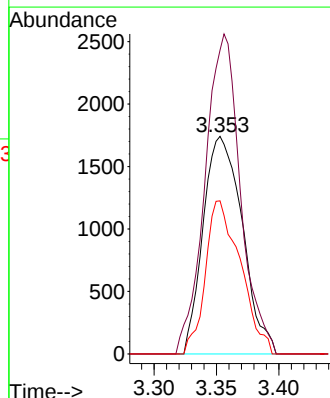
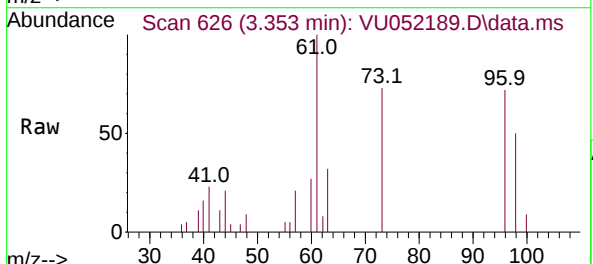
Tgt Ion: 96 Resp: 3811

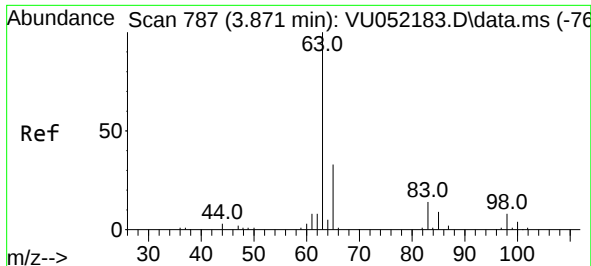
Ion Ratio Lower Upper

96 100

61 139.7 97.9 181.7

98 70.4 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.251 ug/L

RT: 3.870 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

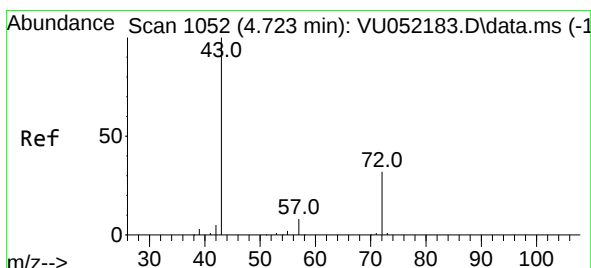
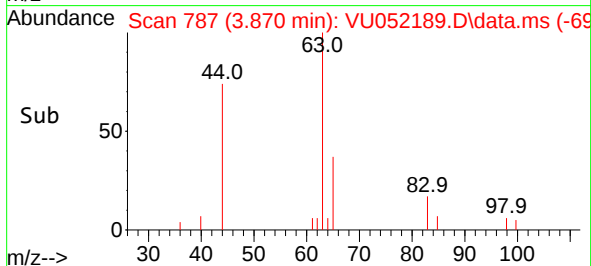
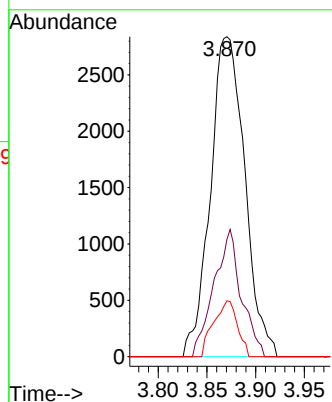
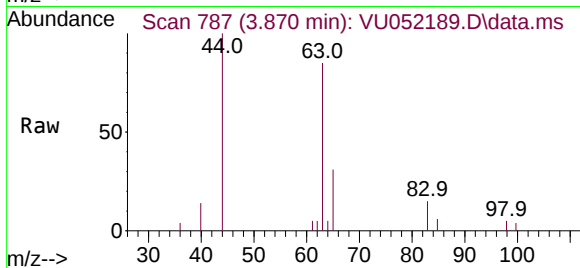
Tgt Ion: 63 Resp: 6968

Ion Ratio Lower Upper

63 100

65 36.7 22.2 41.2

83 17.4 9.2 17.0#



#21

2-Butanone

Concen: 0.098 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.048 min

Lab File: VU052189.D

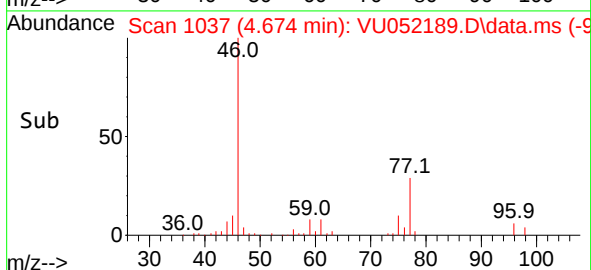
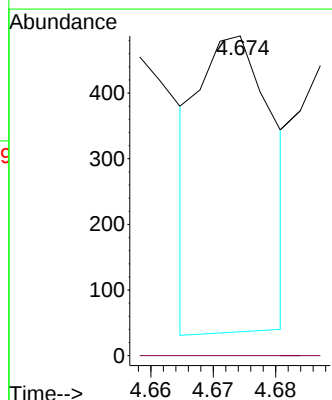
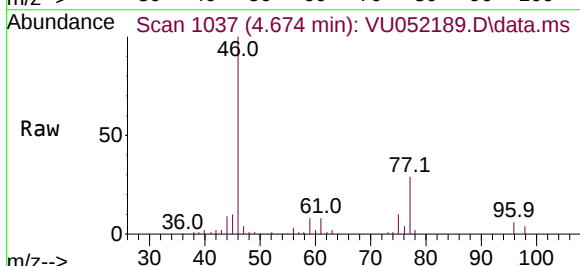
Acq: 06 Dec 2022 13:39

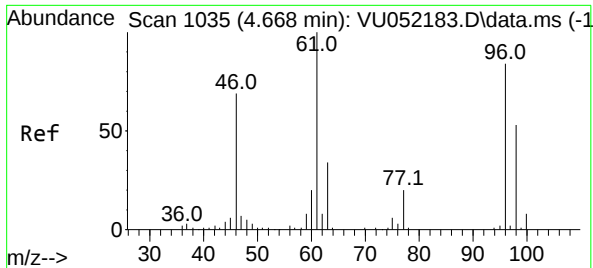
Tgt Ion: 43 Resp: 374

Ion Ratio Lower Upper

43 100

72 26.5 15.6 46.8

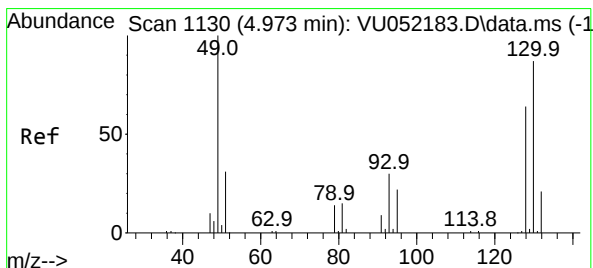
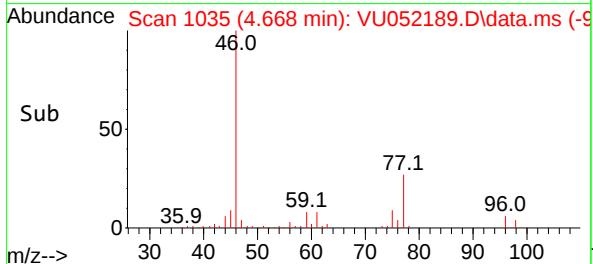
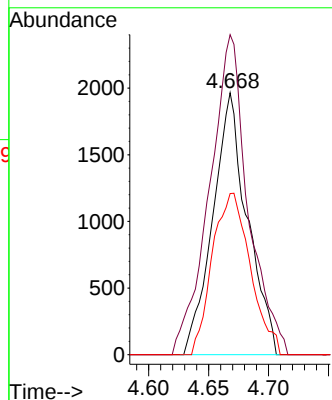
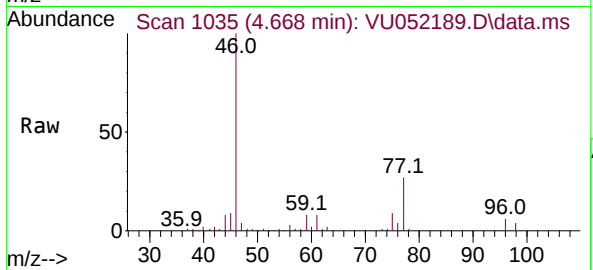




#22
 cis-1,2-Dichloroethene
 Concen: 0.244 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU052189.D
 Acq: 06 Dec 2022 13:39

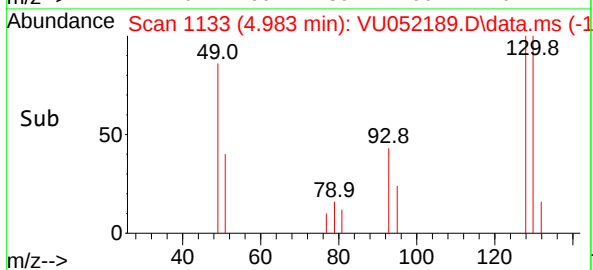
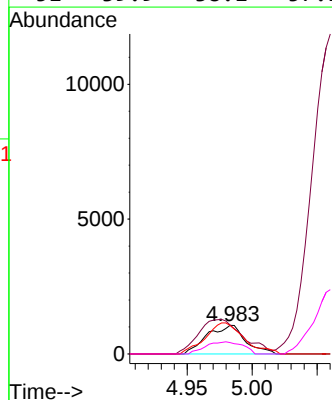
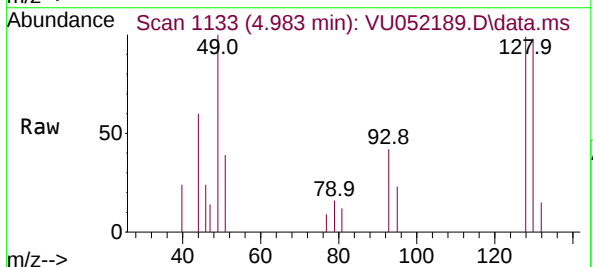
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

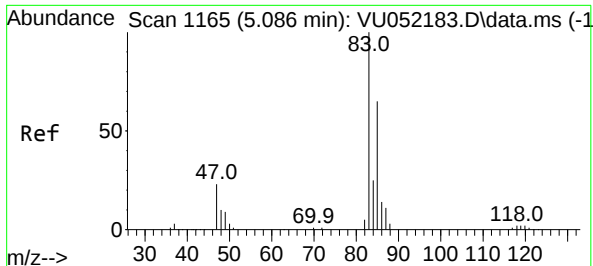
Tgt Ion: 96	Resp:	3935	
Ion	Ratio	Lower	Upper
96	100		
61	122.2	85.1	158.1
98	61.5	42.8	79.6



#23
 Bromochloromethane
 Concen: 0.281 ug/L
 RT: 4.983 min Scan# 1133
 Delta R.T. 0.010 min
 Lab File: VU052189.D
 Acq: 06 Dec 2022 13:39

Tgt	Ion:128	Resp:	2173
Ion	Ratio	Lower	Upper
128	100		
49	101.2	104.0	193.2#
130	99.6	84.6	157.2
51	39.9	38.1	57.1





#25

Chloroform

Concen: 0.288 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

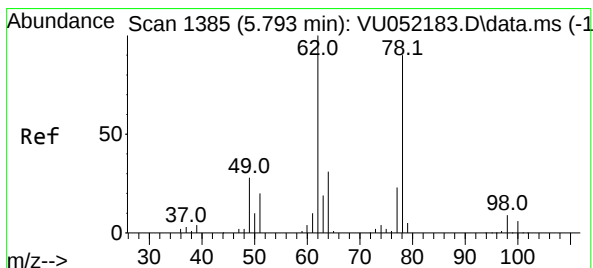
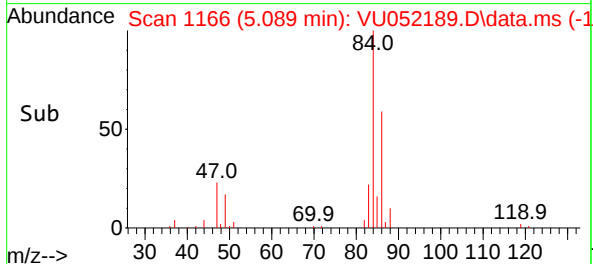
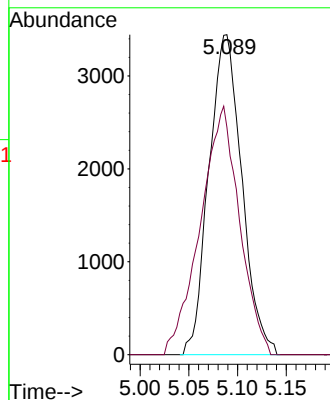
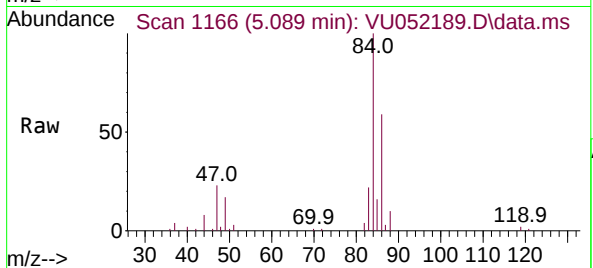
MDL03

Tgt Ion: 83 Resp: 8099

Ion Ratio Lower Upper

83 100

85 71.1 43.8 81.4



#27

1,2-Dichloroethane

Concen: 0.268 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU052189.D

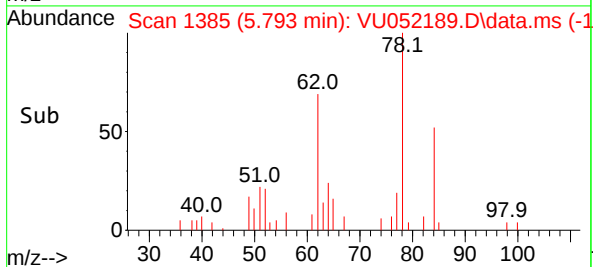
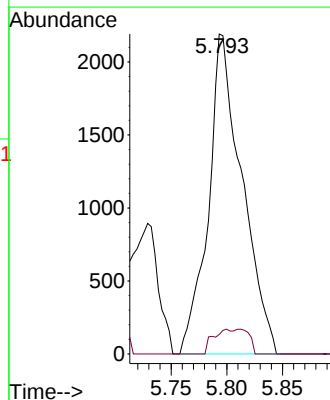
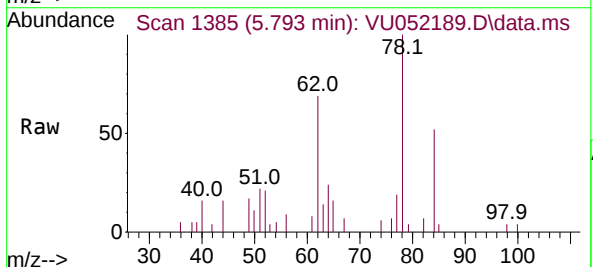
Acq: 06 Dec 2022 13:39

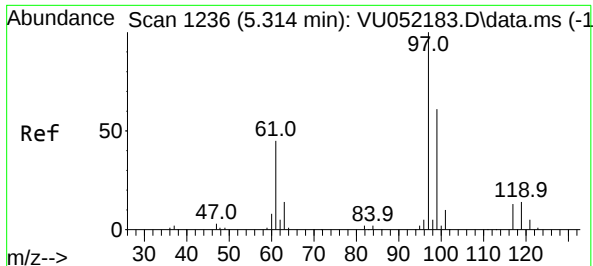
Tgt Ion: 62 Resp: 4611

Ion Ratio Lower Upper

62 100

98 6.1 8.4 12.6#





#29

1,1,1-Trichloroethane

Concen: 0.249 ug/L

RT: 5.317 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

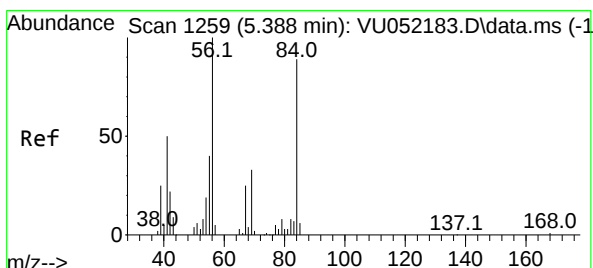
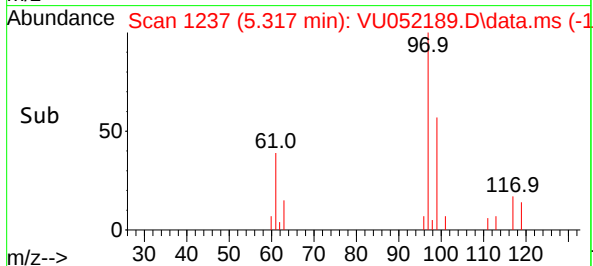
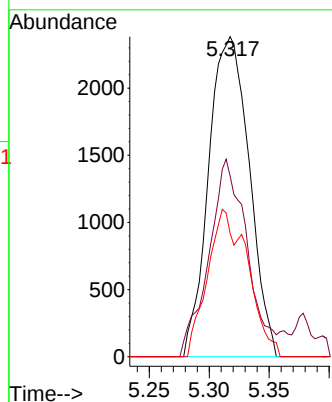
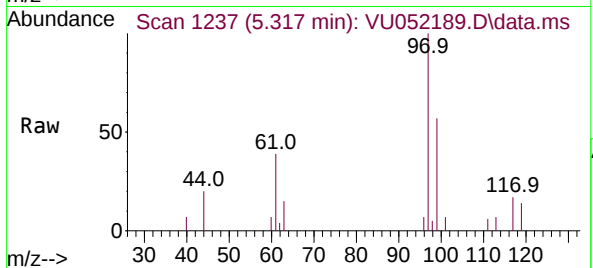
Tgt Ion: 97 Resp: 5617

Ion Ratio Lower Upper

97 100

99 58.1 51.0 76.6

61 28.6 36.9 55.3#



#30

Cyclohexane

Concen: 0.207 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

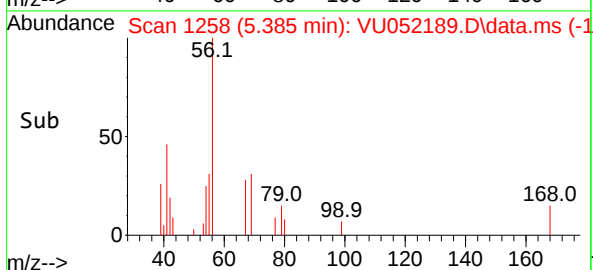
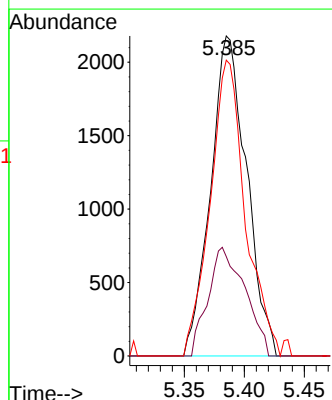
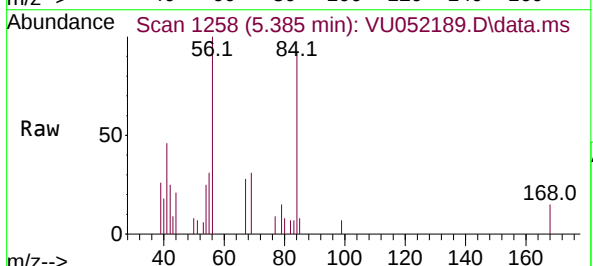
Tgt Ion: 56 Resp: 4542

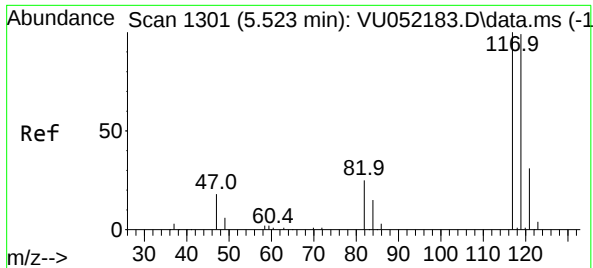
Ion Ratio Lower Upper

56 100

69 34.9 25.6 38.4

84 90.4 72.0 108.0

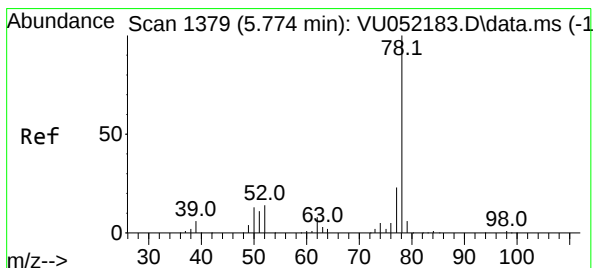
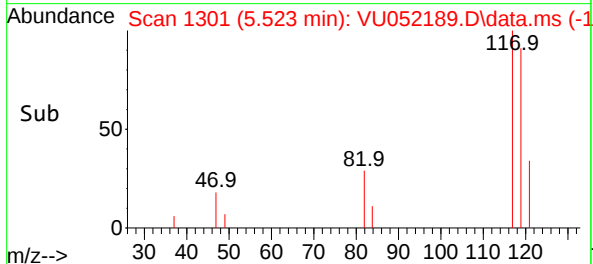
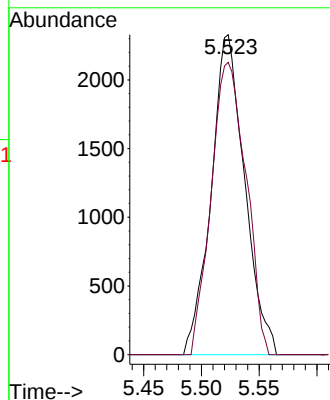
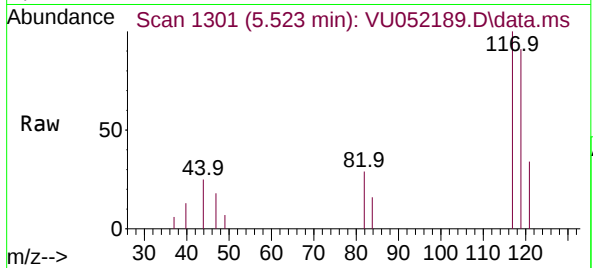




#31
Carbon tetrachloride
Concen: 0.245 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

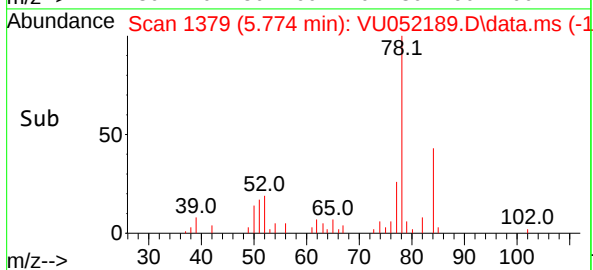
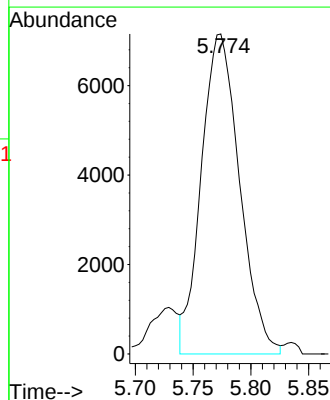
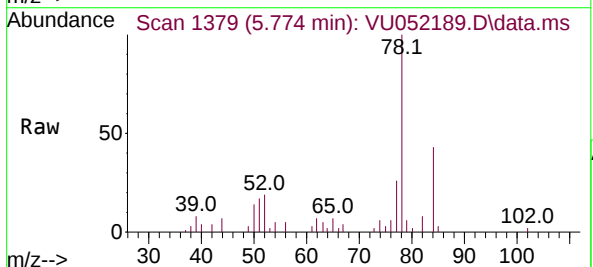
Instrument :
MSVOA_U
ClientSampleId :
MDL03

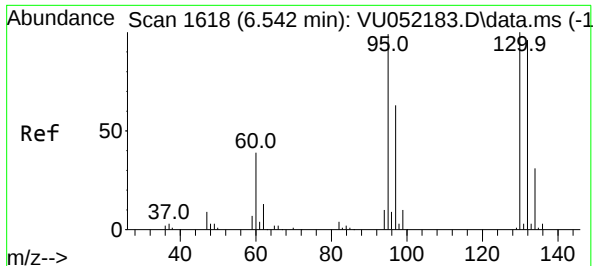
Tgt Ion:117 Resp: 4690
Ion Ratio Lower Upper
117 100
119 95.2 77.2 115.8



#33
Benzene
Concen: 0.249 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion: 78 Resp: 16464

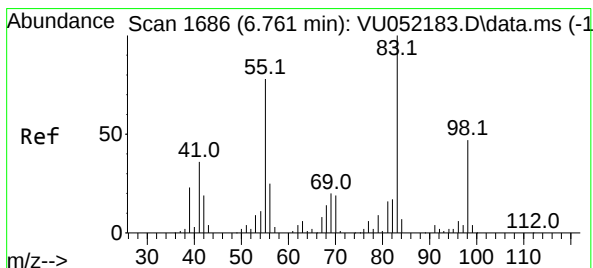
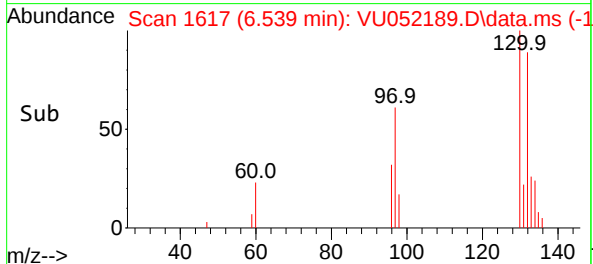
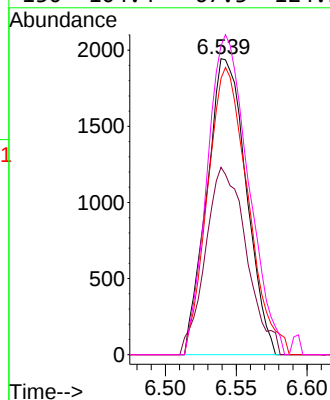
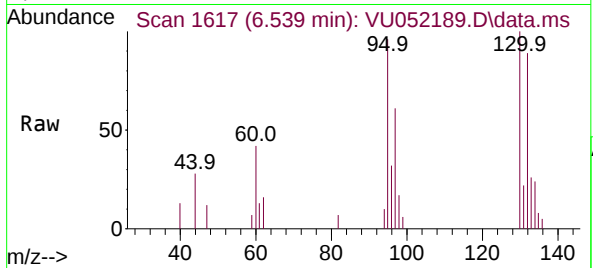




#34
Trichloroethene
Concen: 0.227 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

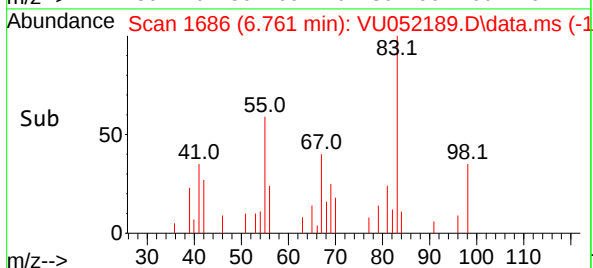
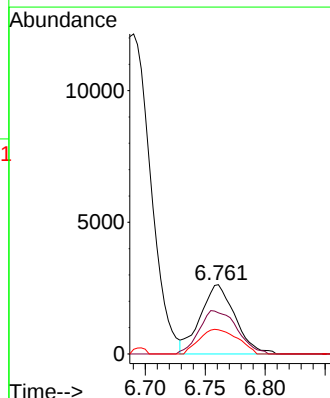
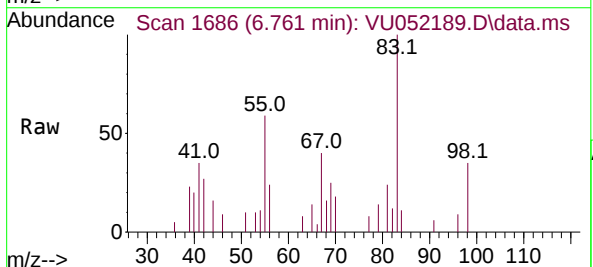
Instrument :
MSVOA_U
ClientSampleId :
MDL03

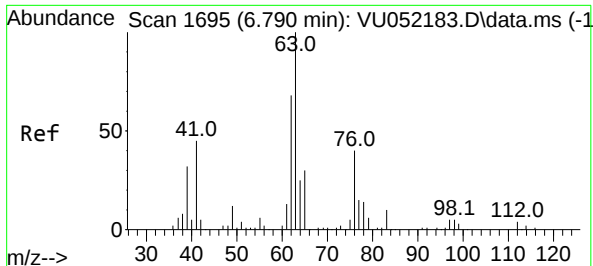
Tgt Ion: 95 Resp: 3748
Ion Ratio Lower Upper
95 100
97 63.3 43.7 81.1
132 93.4 64.3 119.3
130 104.4 67.3 124.9



#35
Methylcyclohexane
Concen: 0.223 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion: 83 Resp: 5301
Ion Ratio Lower Upper
83 100
55 67.9 60.8 91.2
98 39.0 35.1 52.7





#37

1,2-Dichloropropane

Concen: 0.246 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

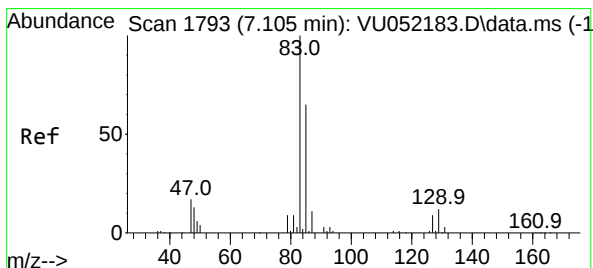
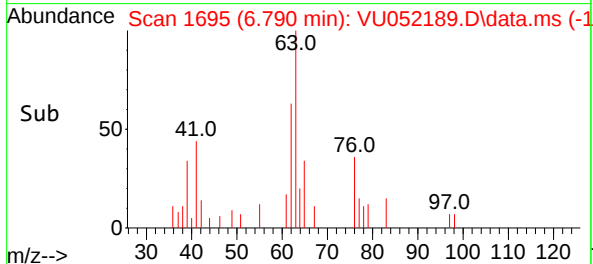
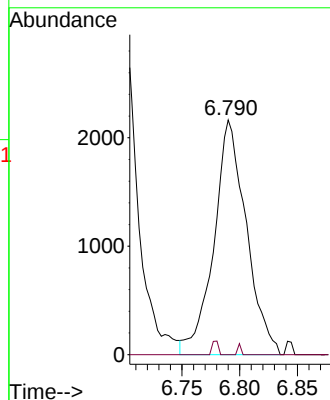
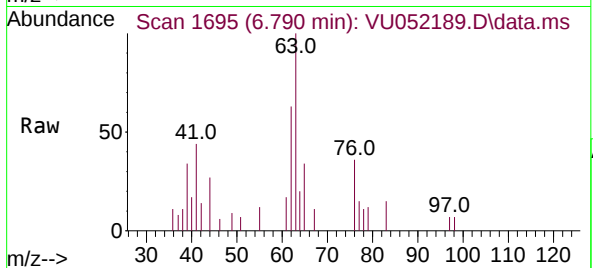
MDL03

Tgt Ion: 63 Resp: 4221

Ion Ratio Lower Upper

63 100

112 0.5 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.258 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

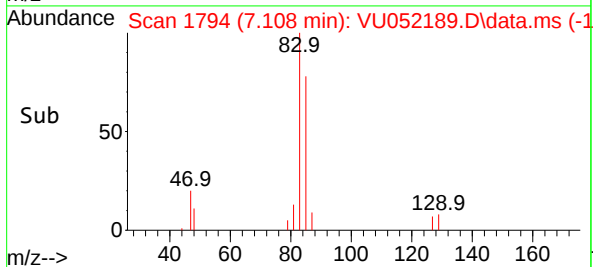
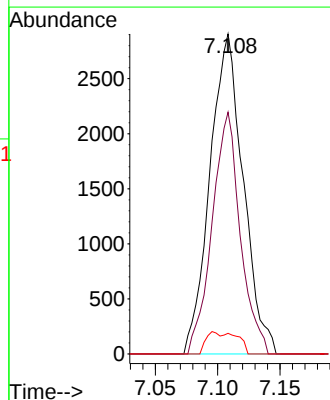
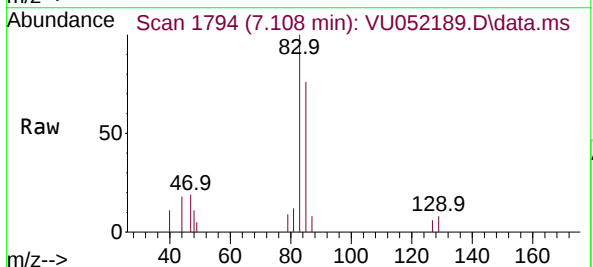
Tgt Ion: 83 Resp: 5391

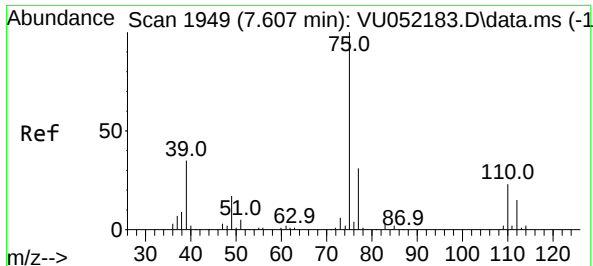
Ion Ratio Lower Upper

83 100

85 75.6 43.5 80.9

127 6.5 6.8 10.2#





#39

cis-1,3-Dichloropropene

Concen: 0.207 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

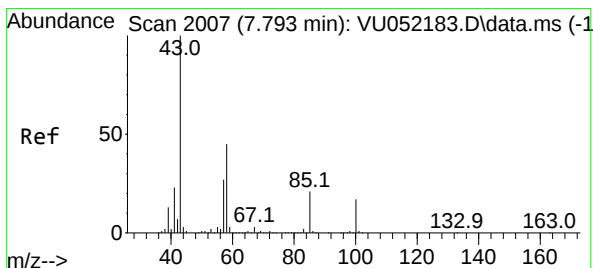
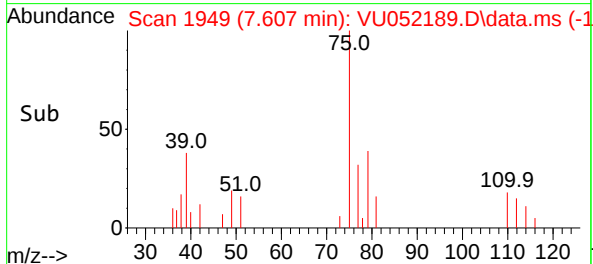
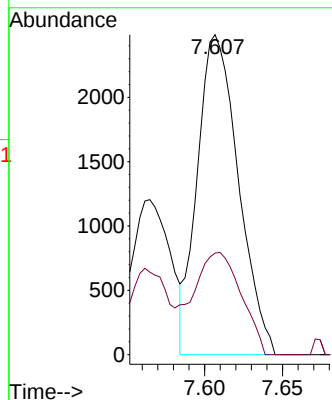
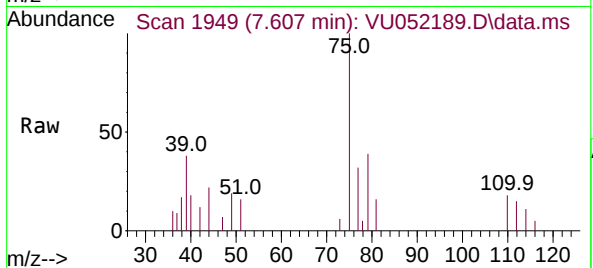
MDL03

Tgt Ion: 75 Resp: 4552

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 1.712 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

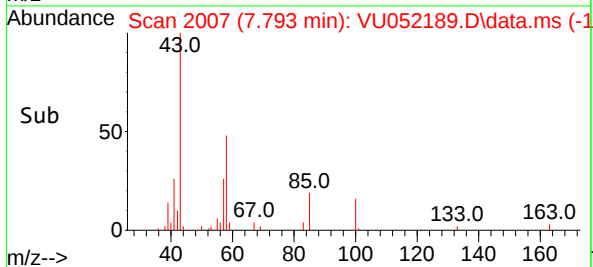
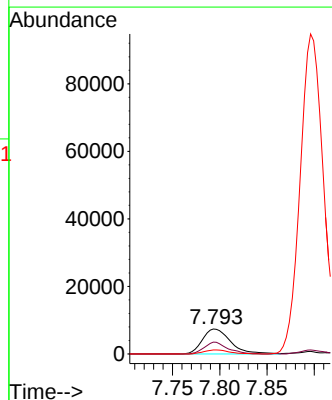
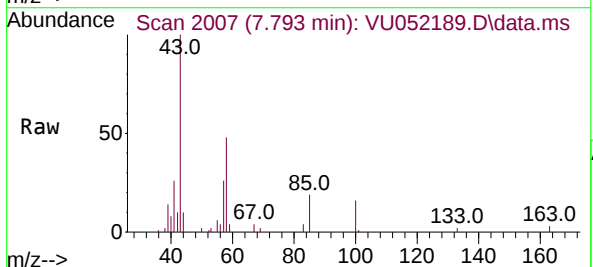
Tgt Ion: 43 Resp: 15315

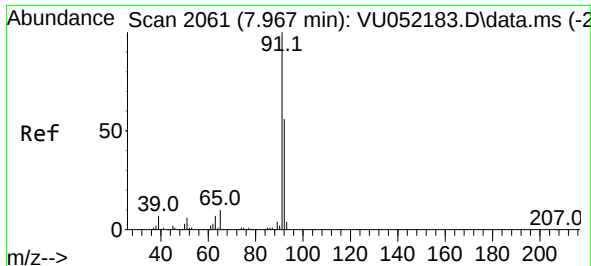
Ion Ratio Lower Upper

43 100

58 39.0 35.3 52.9

100 0.0 13.6 20.4#

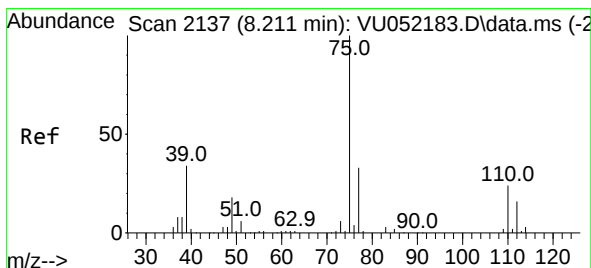
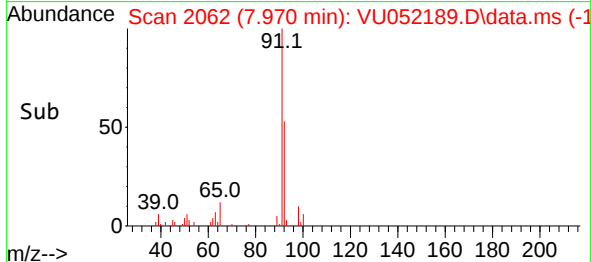
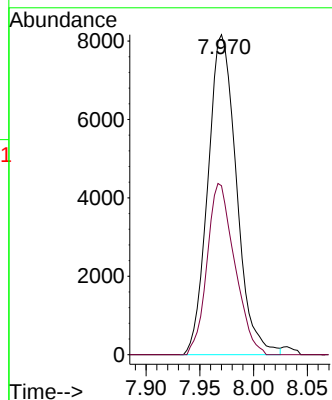
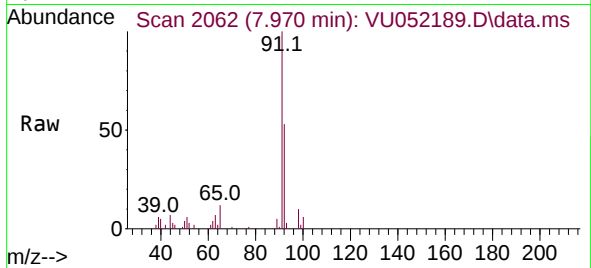




#42
Toluene
Concen: 0.222 ug/L
RT: 7.970 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

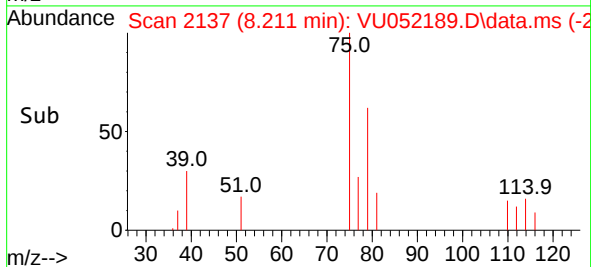
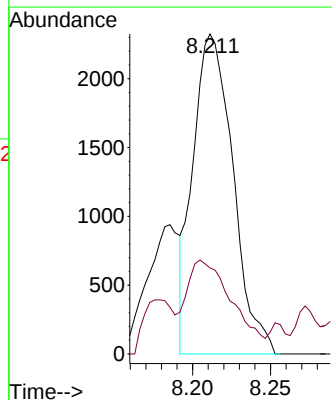
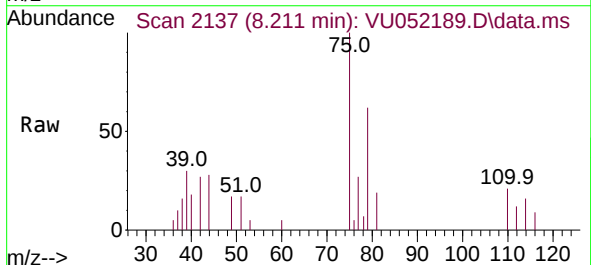
Instrument :
MSVOA_U
ClientSampleId :
MDL03

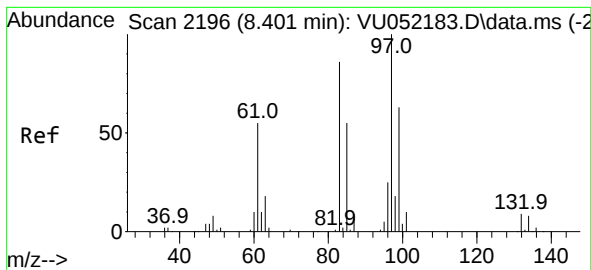
Tgt Ion: 91 Resp: 15075
Ion Ratio Lower Upper
91 100
92 52.8 40.7 75.5



#44
trans-1,3-Dichloropropene
Concen: 0.220 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion: 75 Resp: 4139
Ion Ratio Lower Upper
75 100
77 26.9 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 0.246 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 97 Resp: 3167

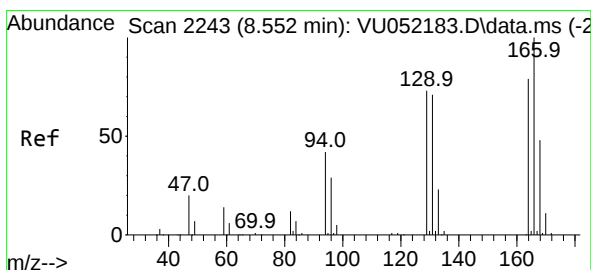
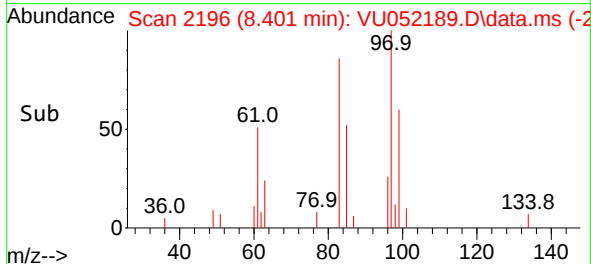
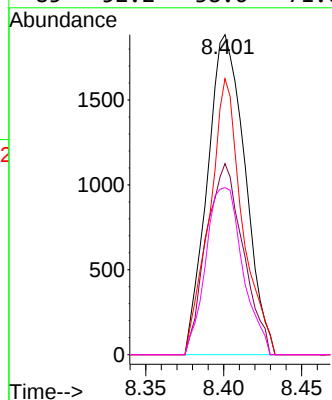
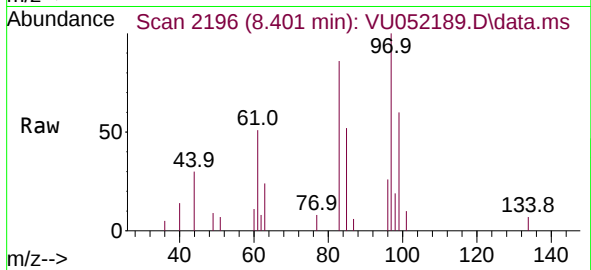
Ion Ratio Lower Upper

97 100

99 59.7 42.6 79.2

83 86.3 60.7 112.7

85 52.2 38.6 71.6



#47

Tetrachloroethene

Concen: 0.245 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Tgt Ion:164 Resp: 3100

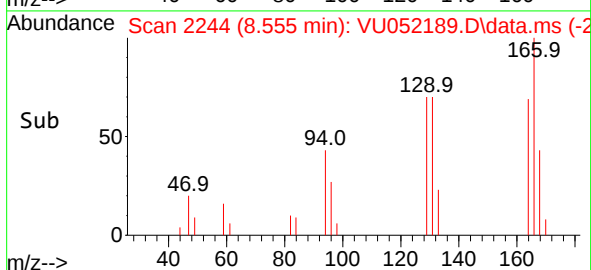
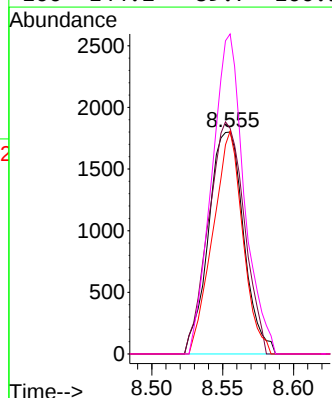
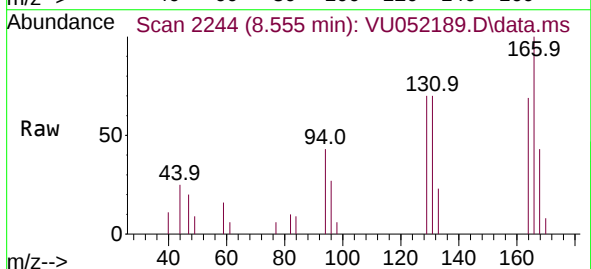
Ion Ratio Lower Upper

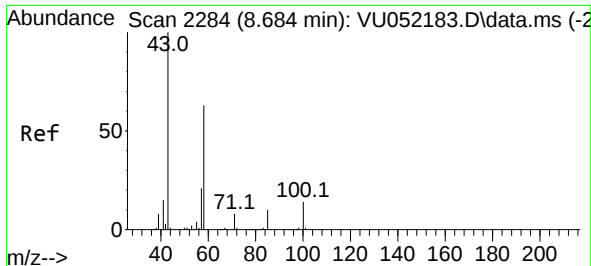
164 100

129 101.7 67.4 125.2

131 100.4 67.1 124.7

166 144.2 89.7 166.5

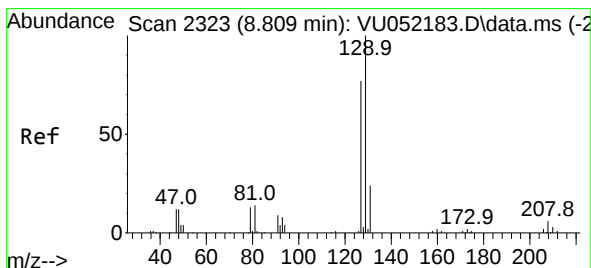
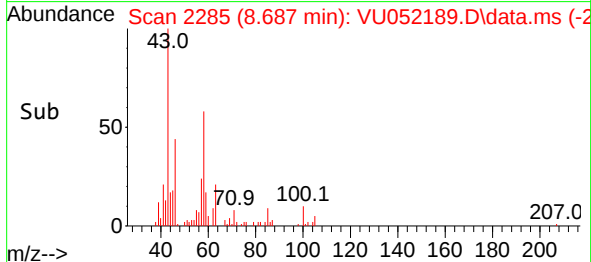
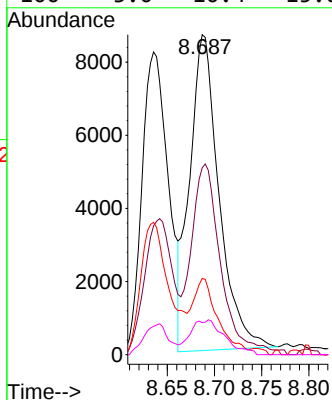
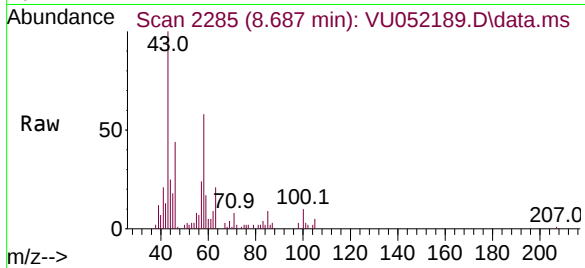




#48
2-Hexanone
Concen: 2.846 ug/L
RT: 8.687 min Scan# 2186
Delta R.T. 0.003 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

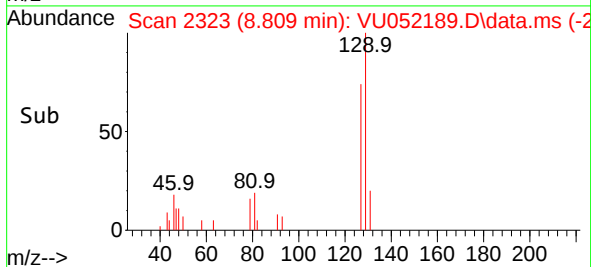
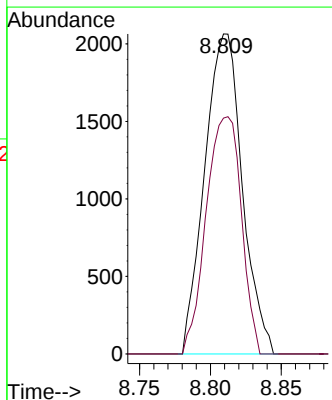
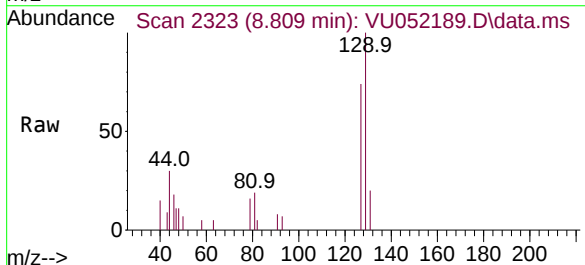
Instrument :
MSVOA_U
ClientSampleId :
MDL03

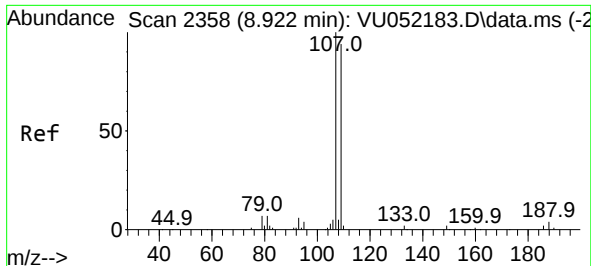
Tgt Ion: 43	Resp: 18667
Ion Ratio	Lower Upper
43 100	
58 60.6	49.4 74.0
57 20.5	16.3 24.5
100 3.0	10.4 15.6



#49
Dibromochloromethane
Concen: 0.265 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion: 129	Resp: 3818
Ion Ratio	Lower Upper
129 100	
127 73.7	52.8 98.2





#50

1,2-Dibromoethane

Concen: 0.245 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

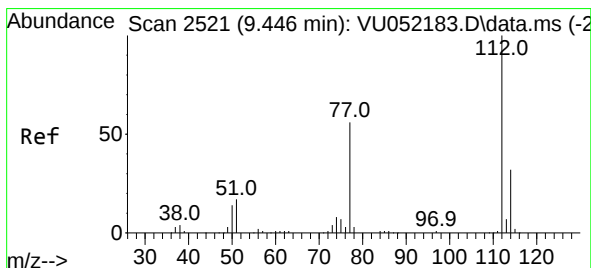
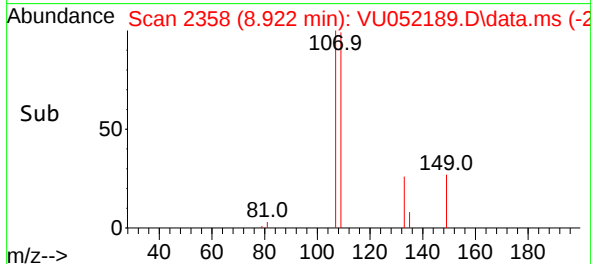
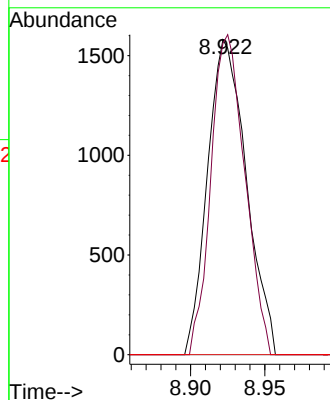
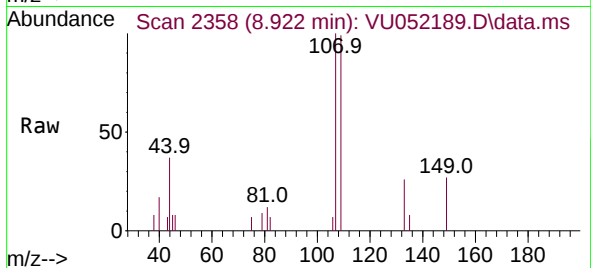
Tgt Ion:107 Resp: 2871

Ion Ratio Lower Upper

107 100

109 98.9 64.9 120.5

188 0.0 2.6 4.0#



#51

Chlorobenzene

Concen: 0.233 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

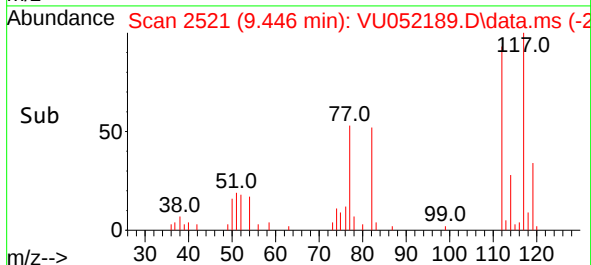
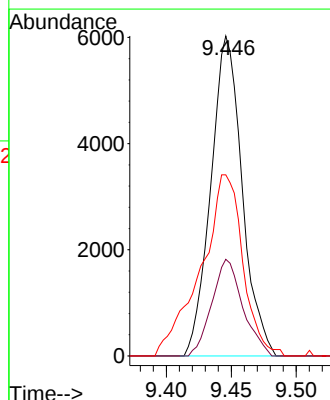
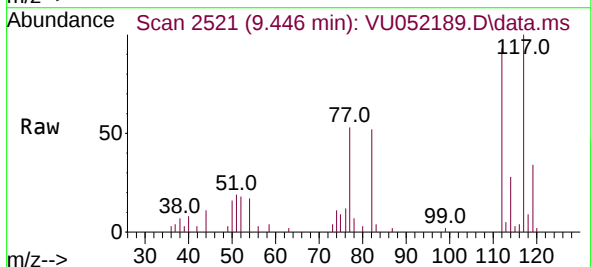
Tgt Ion:112 Resp: 10098

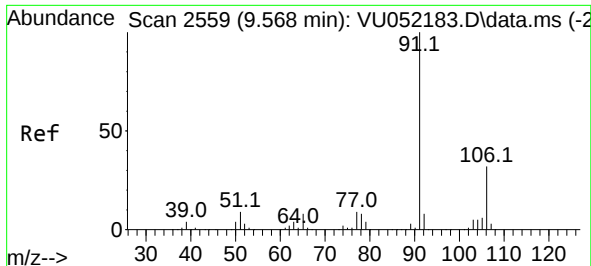
Ion Ratio Lower Upper

112 100

114 30.2 22.2 41.2

77 56.6 46.6 70.0

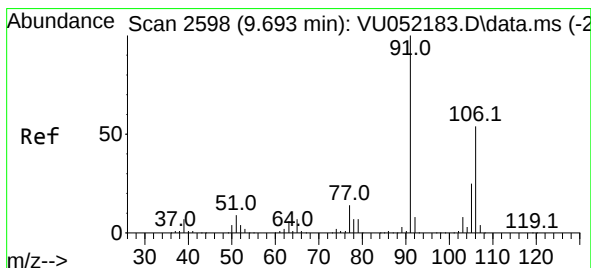
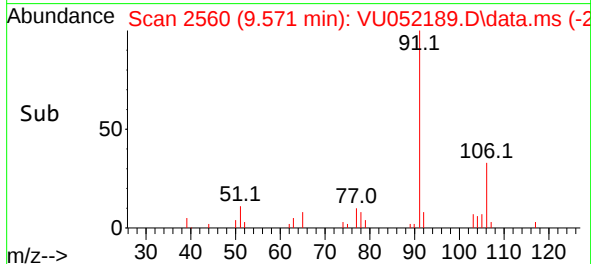
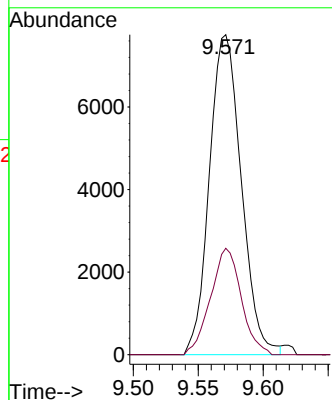
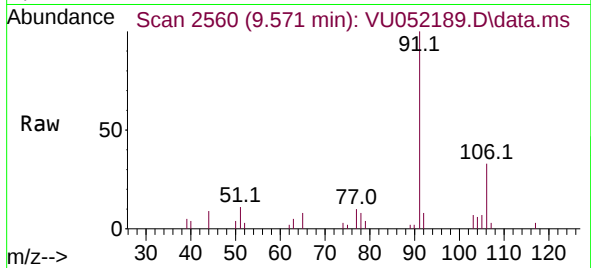




#52
Ethylbenzene
Concen: 0.200 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

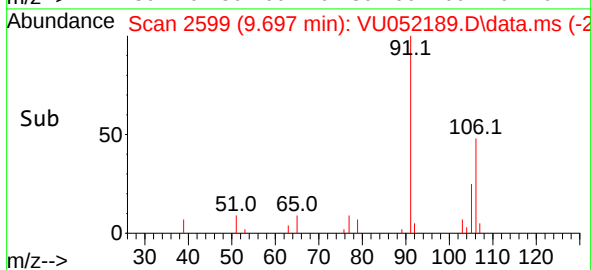
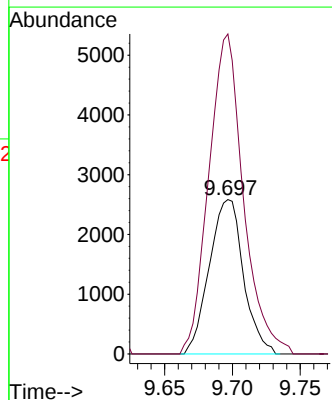
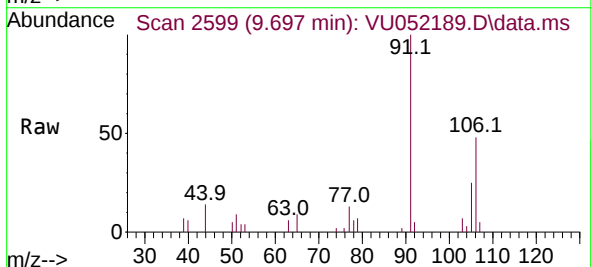
Instrument :
MSVOA_U
ClientSampleId :
MDL03

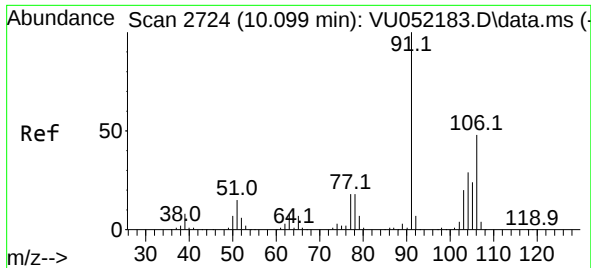
Tgt Ion: 91 Resp: 13232
Ion Ratio Lower Upper
91 100
106 33.2 22.3 41.3



#53
m,p-Xylene
Concen: 0.177 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion: 106 Resp: 4526
Ion Ratio Lower Upper
106 100
91 207.3 137.7 255.7

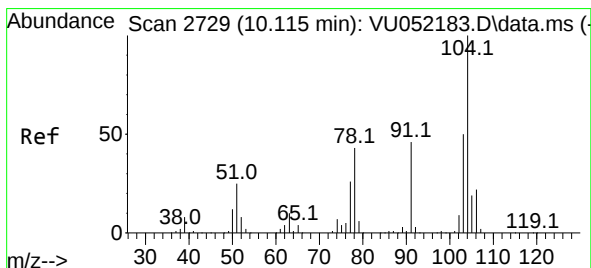
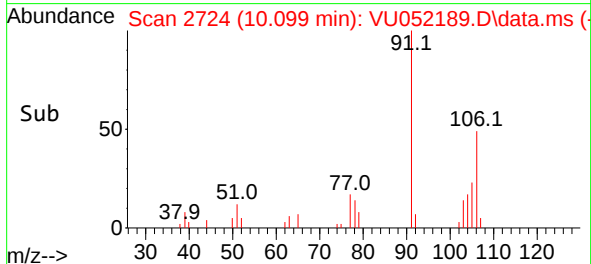
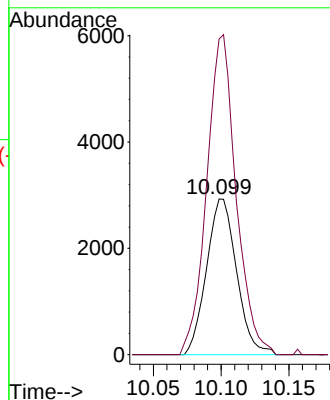
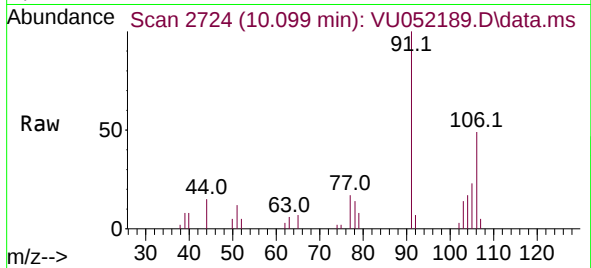




#54
o-Xylene
Concen: 0.184 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

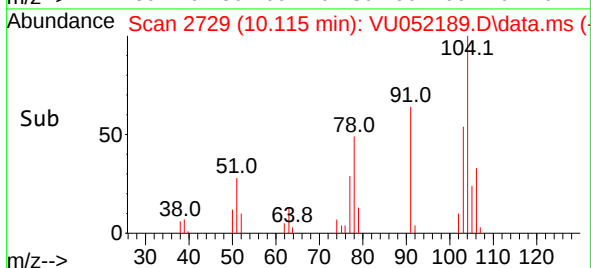
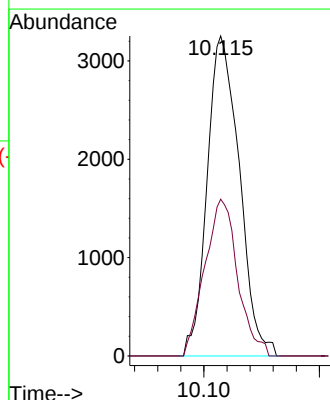
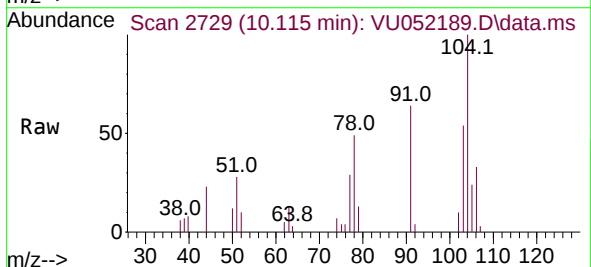
Instrument :
MSVOA_U
ClientSampleId :
MDL03

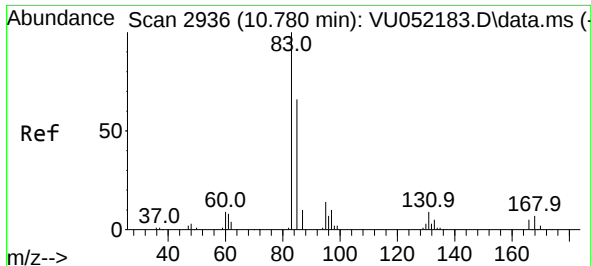
Tgt Ion:106 Resp: 4524
Ion Ratio Lower Upper
106 100
91 202.7 151.5 281.5



#55
Styrene
Concen: 0.151 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion:104 Resp: 6280
Ion Ratio Lower Upper
104 100
78 49.0 30.6 56.8





#57

1,1,2-Tetrachloroethane

Concen: 0.242 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

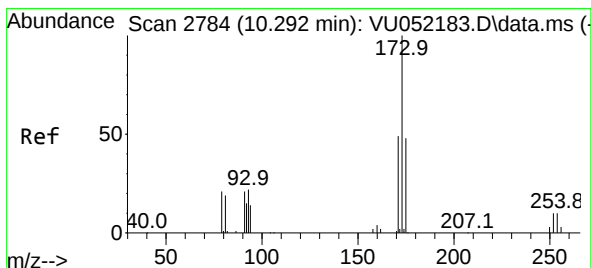
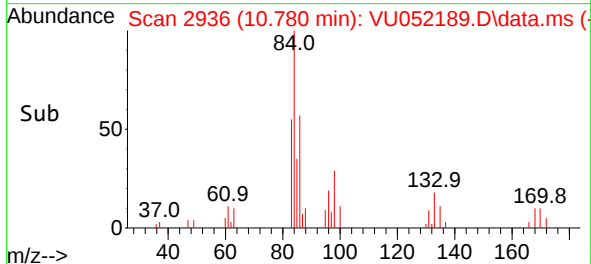
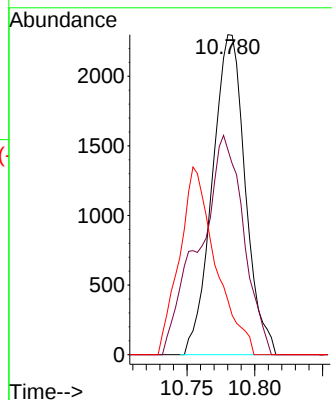
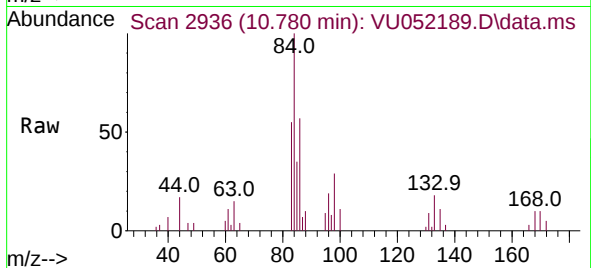
Tgt Ion: 83 Resp: 3886

Ion Ratio Lower Upper

83 100

85 64.0 45.7 84.9

131 17.0 7.6 11.4#



#59

Bromoform

Concen: 0.294 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

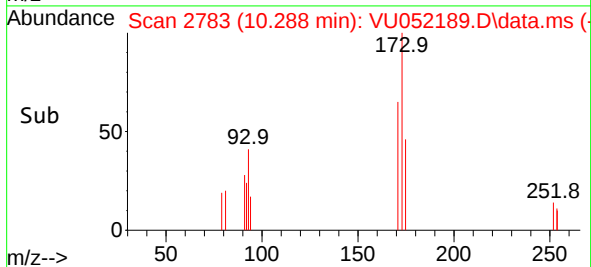
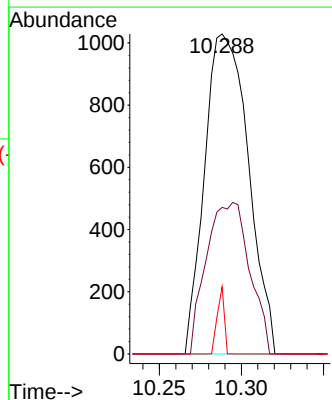
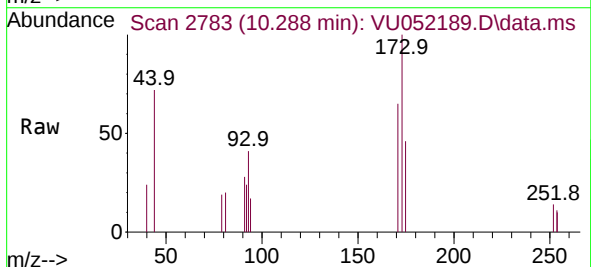
Tgt Ion: 173 Resp: 1906

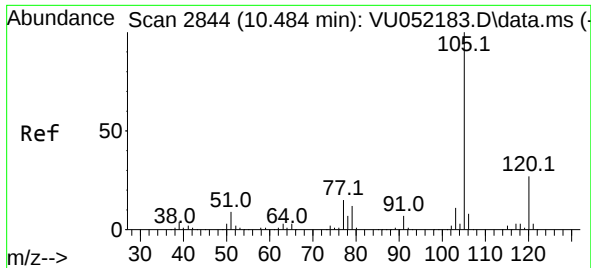
Ion Ratio Lower Upper

173 100

175 46.7 37.2 55.8

254 3.4 7.0 10.6#

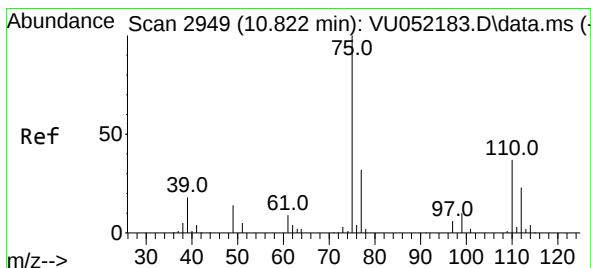
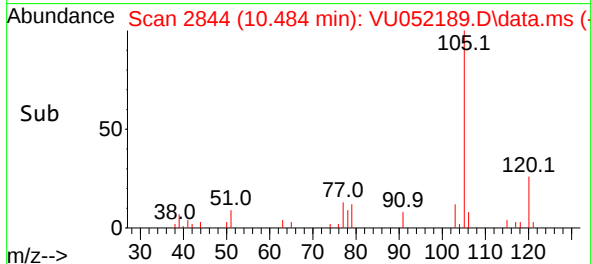
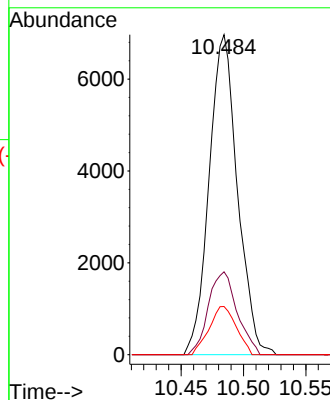
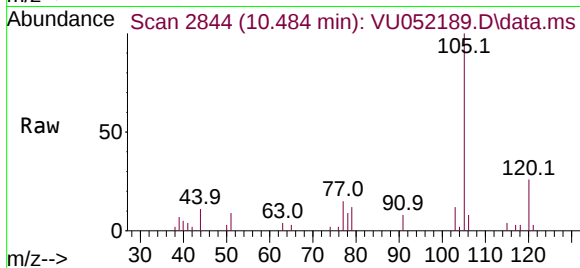




#60
Isopropylbenzene
Concen: 0.223 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

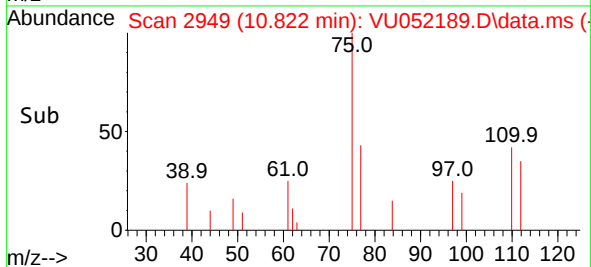
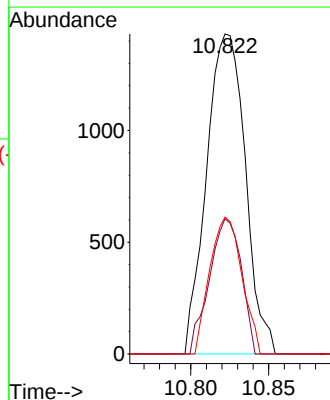
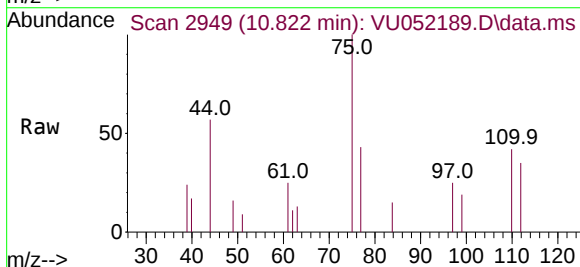
Instrument :
MSVOA_U
ClientSampleId :
MDL03

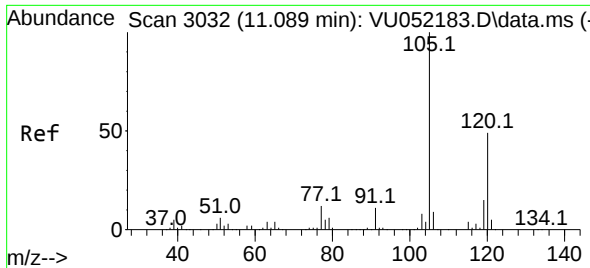
Tgt Ion:	105	Resp:	11034
Ion Ratio	Lower	Upper	
105	100		
120	26.3	21.0	31.6
77	14.4	12.5	18.7



#61
1,2,3-Trichloropropane
Concen: 0.275 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion:	75	Resp:	2477
Ion Ratio	Lower	Upper	
75	100		
110	34.7	28.3	42.5
77	35.4	26.2	39.2

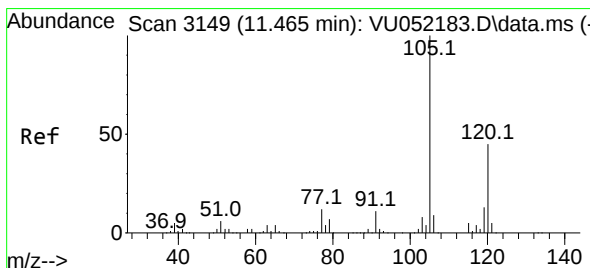
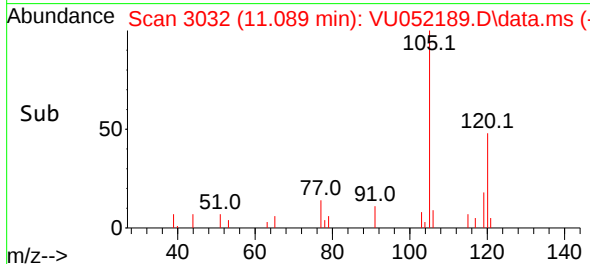
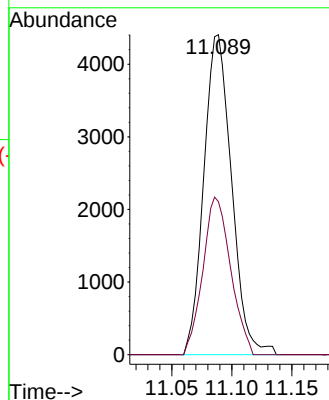
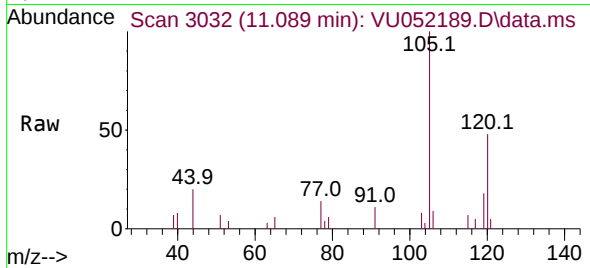




#62
1,3,5-Trimethylbenzene
Concen: 0.180 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

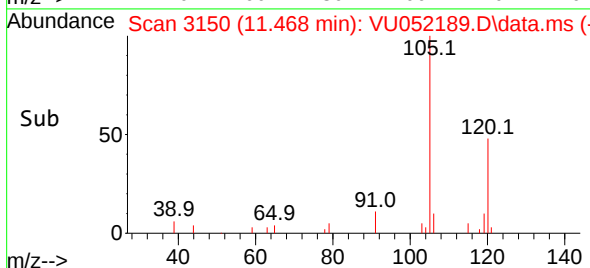
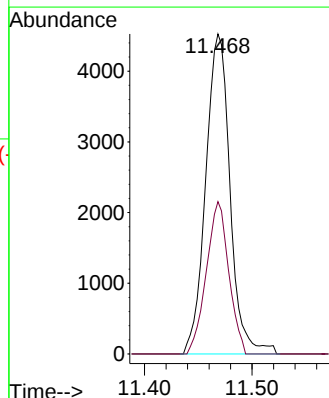
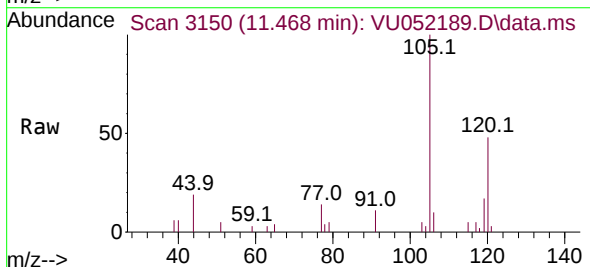
Instrument :
MSVOA_U
ClientSampleId :
MDL03

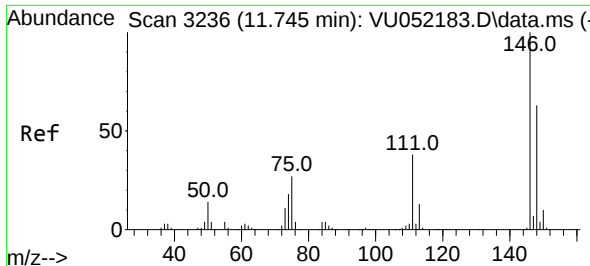
Tgt Ion:105 Resp: 7099
Ion Ratio Lower Upper
105 100
120 49.2 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 0.181 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion:105 Resp: 7115
Ion Ratio Lower Upper
105 100
120 43.7 36.6 55.0

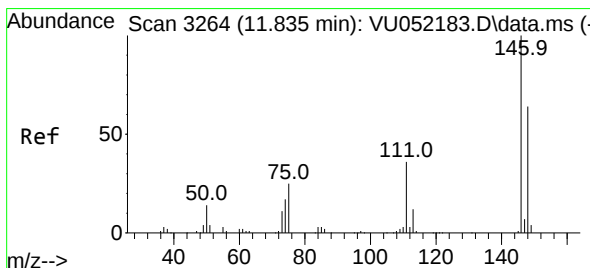
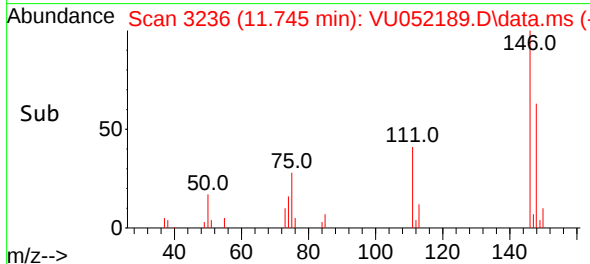
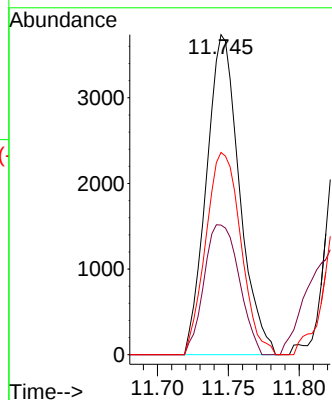
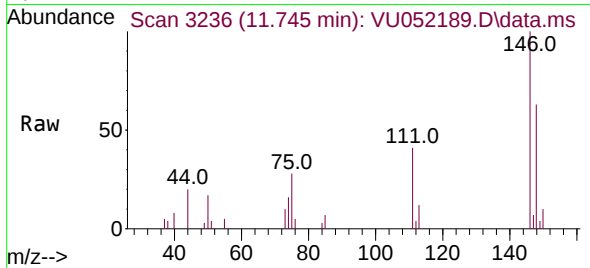




#64
1,3-Dichlorobenzene
Concen: 0.240 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

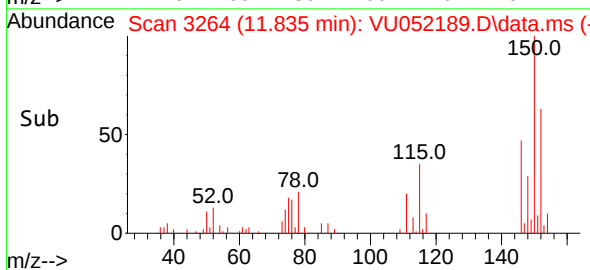
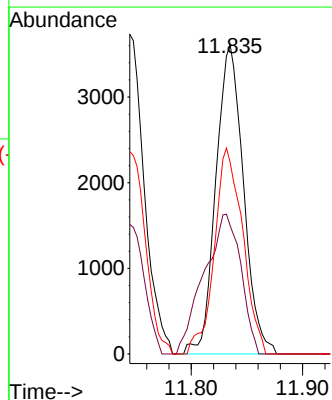
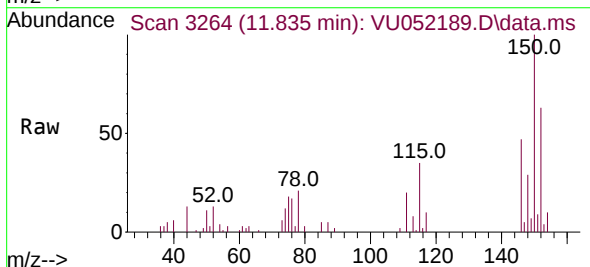
Instrument :
MSVOA_U
ClientSampleId :
MDL03

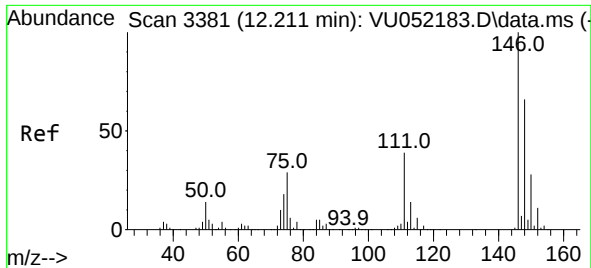
Tgt Ion:146 Resp: 6046
Ion Ratio Lower Upper
146 100
111 40.5 28.6 53.2
148 63.2 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 0.247 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU052189.D
Acq: 06 Dec 2022 13:39

Tgt Ion:146 Resp: 6214
Ion Ratio Lower Upper
146 100
111 41.5 26.9 50.1
148 62.0 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 0.272 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

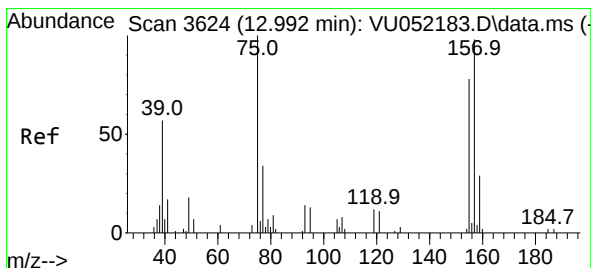
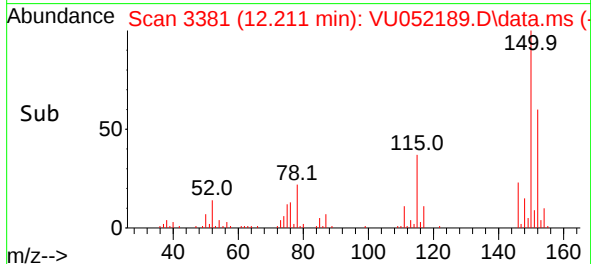
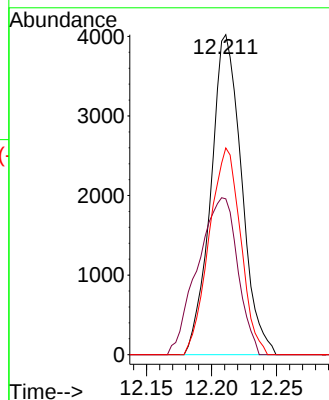
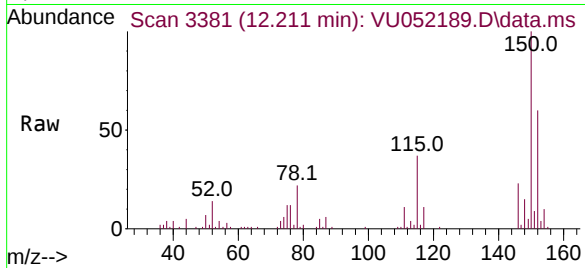
Tgt Ion:146 Resp: 6618

Ion Ratio Lower Upper

146 100

111 48.7 32.7 49.1

148 64.6 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 0.212 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

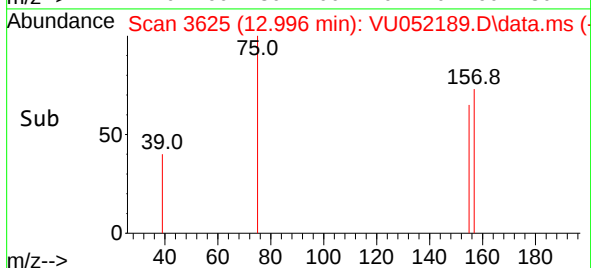
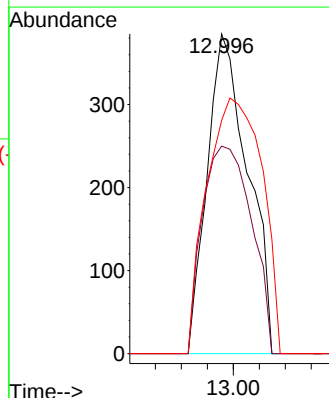
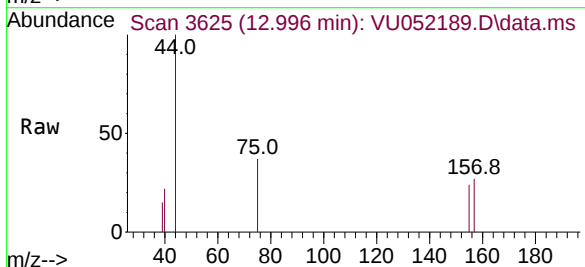
Tgt Ion: 75 Resp: 418

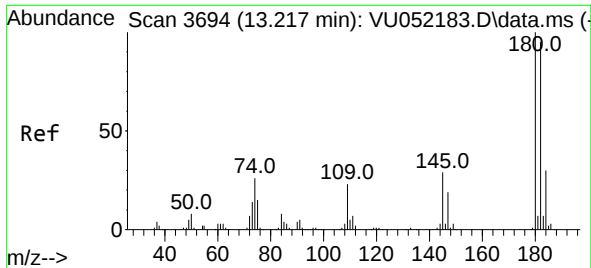
Ion Ratio Lower Upper

75 100

155 64.9 65.4 98.2#

157 73.0 80.5 120.7#





#69

1,3,5-Trichlorobenzene

Concen: 0.256 ug/L

RT: 13.224 min Scan# 3

Delta R.T. 0.006 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion:180 Resp: 4579

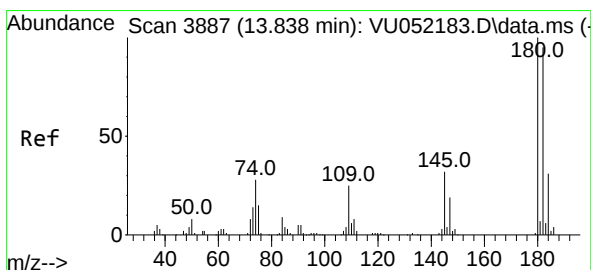
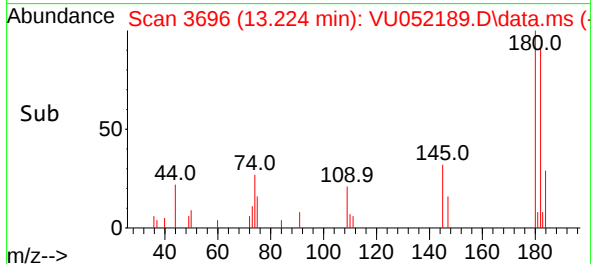
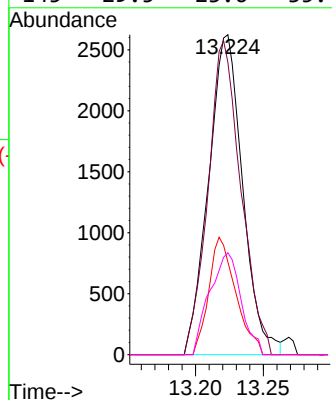
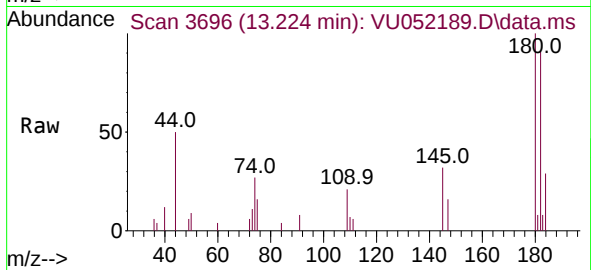
Ion Ratio Lower Upper

180 100

182 94.5 75.7 113.5

184 29.2 24.3 36.5

145 29.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 0.224 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.006 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

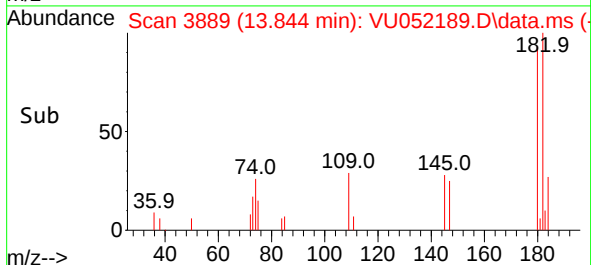
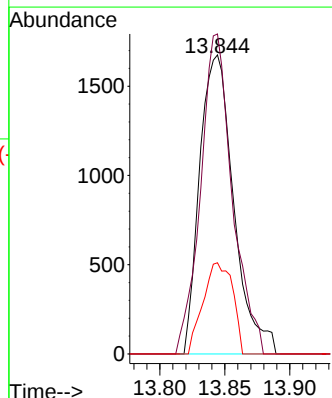
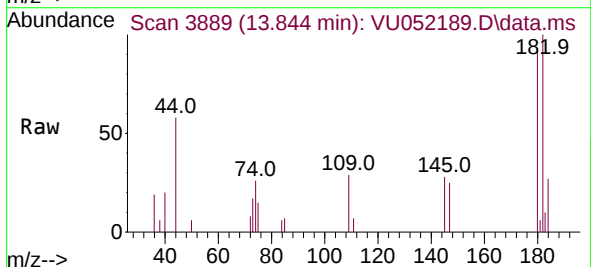
Tgt Ion:180 Resp: 3054

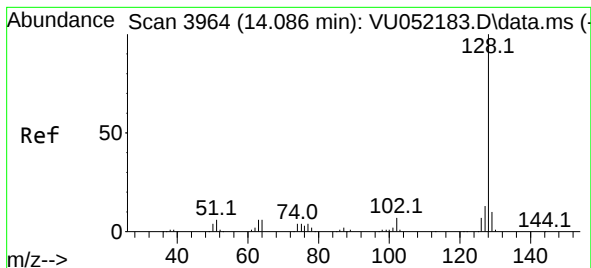
Ion Ratio Lower Upper

180 100

182 99.7 76.3 114.5

145 26.4 24.6 36.8





#71

Naphthalene

Concen: 0.181 ug/L

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Instrument :

MSVOA_U

ClientSampleId :

MDL03

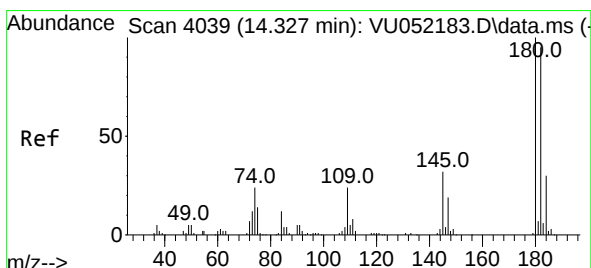
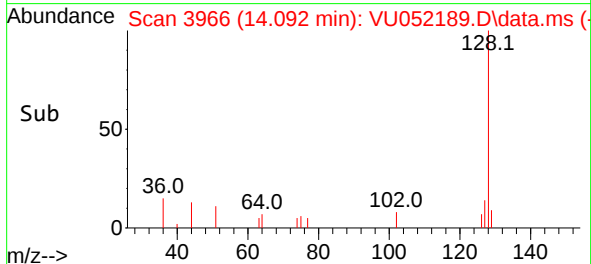
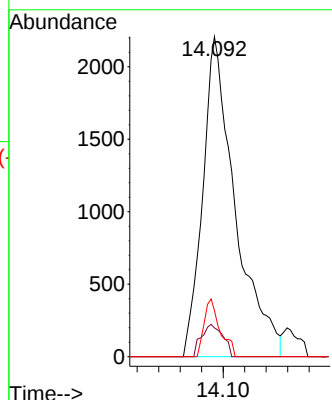
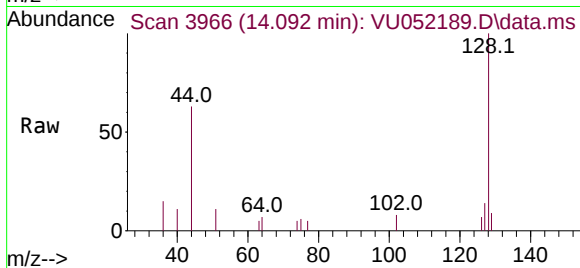
Tgt Ion:128 Resp: 4632

Ion Ratio Lower Upper

128 100

129 6.6 8.3 12.5#

127 8.8 10.2 15.4#



#72

1,2,3-Trichlorobenzene

Concen: 0.220 ug/L

RT: 14.333 min Scan# 4041

Delta R.T. 0.006 min

Lab File: VU052189.D

Acq: 06 Dec 2022 13:39

Tgt Ion:180 Resp: 2948

Ion Ratio Lower Upper

180 100

182 92.2 75.7 113.5

145 30.5 24.5 36.7

