

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052195.D
 Acq On : 07 Dec 2022 12:33
 Operator : JC/MD
 Sample : MDL04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Quant Time: Dec 08 04:14:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	203177	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	207905	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	79838	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	102375	5.180	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.600%
7) Chloroethane-d5	1.912	69	84718	5.519	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.400%
11) 1,1-Dichloroethene-d2	2.565	65	37833	5.341	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.800%
20) 2-Butanone-d5	4.642	46	186058	51.938	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.880%
24) Chloroform-d	5.063	84	167809	5.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.600%
26) 1,2-Dichloroethane-d4	5.700	65	83539	5.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.000%
32) Benzene-d6	5.726	84	331548	5.372	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.400%
36) 1,2-Dichloropropane-d6	6.690	67	107455	5.625	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.600%
41) Toluene-d8	7.896	98	259980	4.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
43) trans-1,3-Dichloroprop...	8.179	79	33986	4.882	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.636	63	142455	48.291	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.580%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	88507	5.344	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	89441	5.851	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4277	0.243	ug/L	89
3) Chloromethane	1.523	50	7216	0.314	ug/L	94
5) Vinyl chloride	1.604	62	5703	0.258	ug/L #	72
6) Bromomethane	1.858	94	3068	0.271	ug/L	94
8) Chloroethane	1.935	64	3282	0.239	ug/L	98
9) Trichlorofluoromethane	2.137	101	6270	0.258	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	4952	0.333	ug/L	85
12) 1,1-Dichloroethene	2.578	96	4401	0.299	ug/L #	1
13) Acetone	2.662	43	7083	2.912	ug/L	91
14) Carbon disulfide	2.793	76	13647	0.267	ug/L	98
15) Methyl Acetate	2.973	43	1049	0.166	ug/L #	86
16) Methylene chloride	3.047	84	11137	0.559	ug/L	95
17) Methyl tert-butyl Ether	3.369	73	7067	0.214	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	3867	0.245	ug/L	98
19) 1,1-Dichloroethane	3.870	63	6922	0.243	ug/L	99
21) 2-Butanone	4.851	43	394	0.101	ug/L	80
22) cis-1,2-Dichloroethene	4.671	96	3714	0.224	ug/L	89
23) Bromochloromethane	4.983	128	1875	0.236	ug/L	93
25) Chloroform	5.086	83	8174	0.283	ug/L	95

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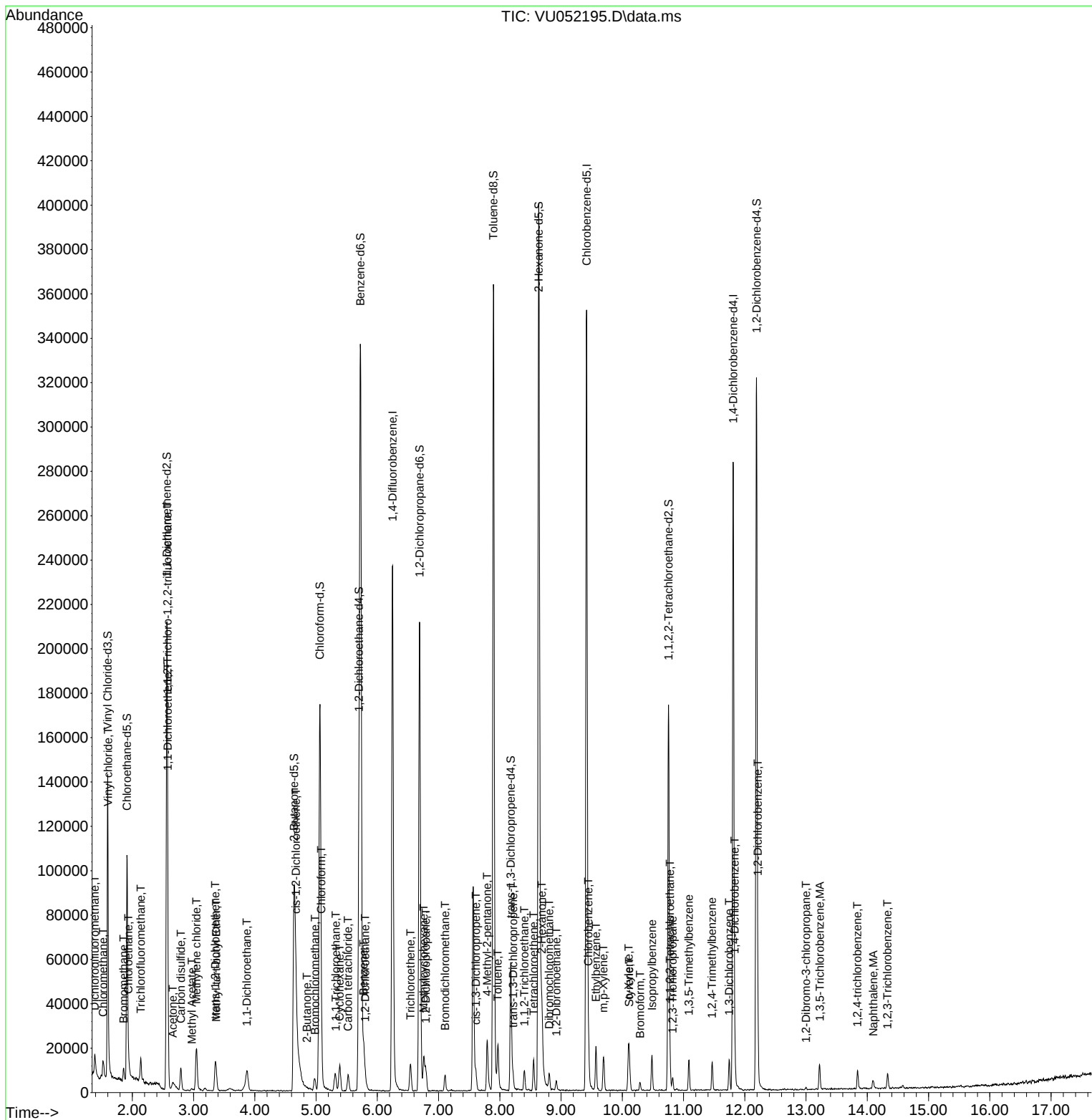
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

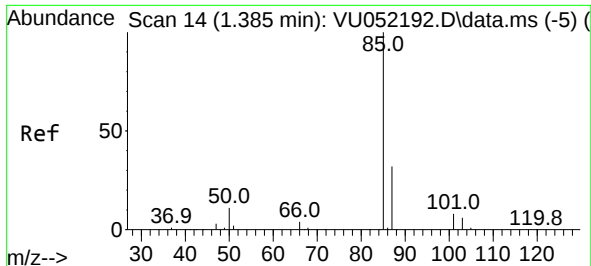
Quant Time: Dec 08 04:14:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	4232	0.239	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	5650	0.245	ug/L	94
30) Cyclohexane	5.385	56	4361	0.195	ug/L	91
31) Carbon tetrachloride	5.520	117	4754	0.243	ug/L	93
33) Benzene	5.774	78	17094	0.253	ug/L	100
34) Trichloroethene	6.542	95	3791	0.225	ug/L	93
35) Methylcyclohexane	6.758	83	4935	0.203	ug/L	98
37) 1,2-Dichloropropane	6.790	63	4040	0.231	ug/L #	88
38) Bromodichloromethane	7.108	83	5111	0.239	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	5327	0.237	ug/L	93
40) 4-Methyl-2-pentanone	7.793	43	15688	1.714	ug/L #	85
42) Toluene	7.967	91	14409	0.207	ug/L	95
44) trans-1,3-Dichloropropene	8.218	75	4093	0.213	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	2700	0.205	ug/L	88
47) Tetrachloroethene	8.552	164	3212	0.248	ug/L	97
48) 2-Hexanone	8.687	43	19723	2.940	ug/L	96
49) Dibromochloromethane	8.806	129	3445	0.234	ug/L	96
50) 1,2-Dibromoethane	8.922	107	2733	0.228	ug/L #	98
51) Chlorobenzene	9.446	112	10493	0.236	ug/L	98
52) Ethylbenzene	9.571	91	13277	0.196	ug/L	96
53) m,p-Xylene	9.693	106	4787	0.183	ug/L	96
54) o-Xylene	10.102	106	4486	0.179	ug/L	95
55) Styrene	10.115	104	6697	0.158	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	4531	0.276	ug/L #	94
59) Bromoform	10.291	173	1801	0.274	ug/L #	97
60) Isopropylbenzene	10.484	105	10196	0.203	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	2670	0.292	ug/L	93
62) 1,3,5-Trimethylbenzene	11.086	105	7675	0.191	ug/L	94
63) 1,2,4-Trimethylbenzene	11.465	105	7178	0.180	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	5650	0.221	ug/L	88
65) 1,4-Dichlorobenzene	11.835	146	6282	0.246	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	6761	0.274	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	454	0.227	ug/L #	70
69) 1,3,5-Trichlorobenzene	13.224	180	4155	0.229	ug/L	92
70) 1,2,4-trichlorobenzene	13.838	180	3367	0.244	ug/L	93
71) Naphthalene	14.098	128	4565	0.176	ug/L #	71
72) 1,2,3-Trichlorobenzene	14.330	180	2824	0.208	ug/L	96

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

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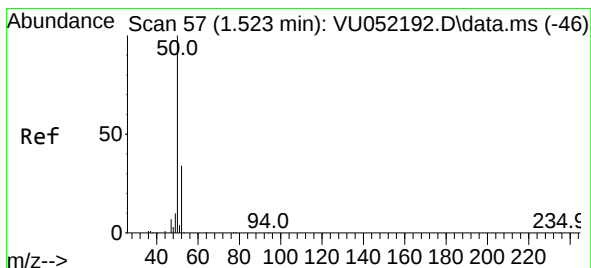
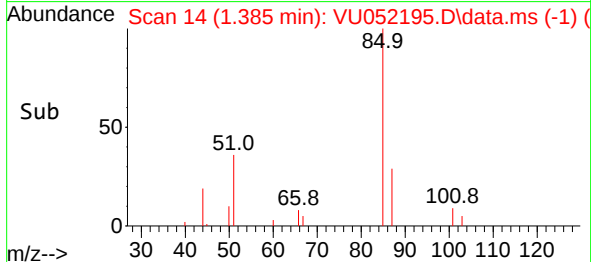
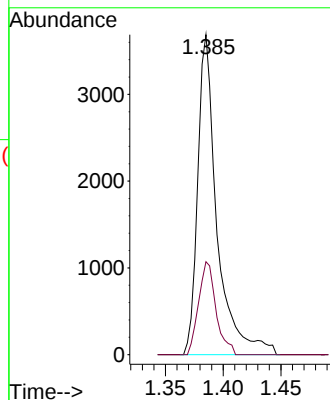
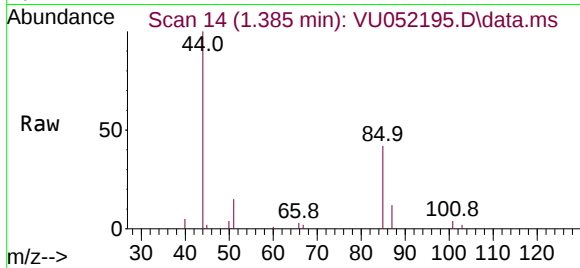




#2
Dichlorodifluoromethane
Concen: 0.243 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

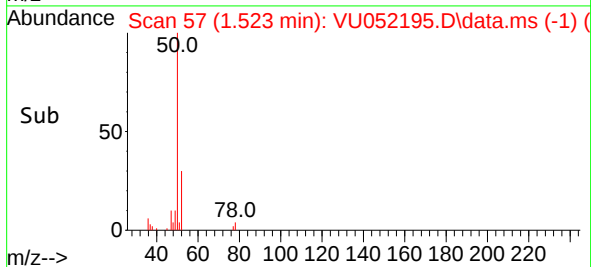
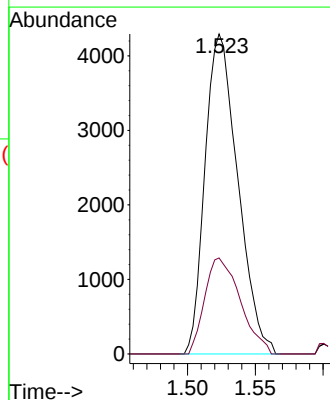
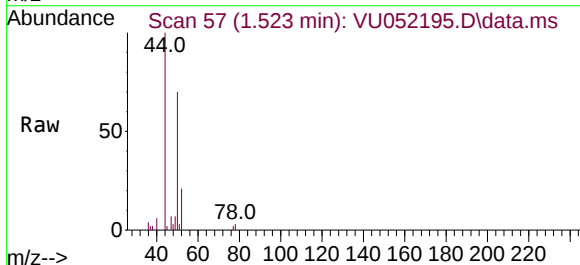
Instrument :
MSVOA_U
ClientSampleId :
MDL04

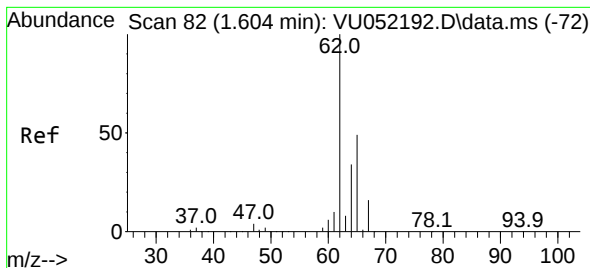
Tgt Ion: 85 Resp: 4277
Ion Ratio Lower Upper
85 100
87 26.3 25.8 38.8



#3
Chloromethane
Concen: 0.314 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 50 Resp: 7216
Ion Ratio Lower Upper
50 100
52 30.0 23.4 43.4





#5

Vinyl chloride

Concen: 0.258 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

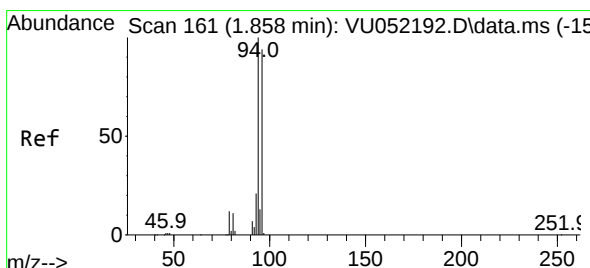
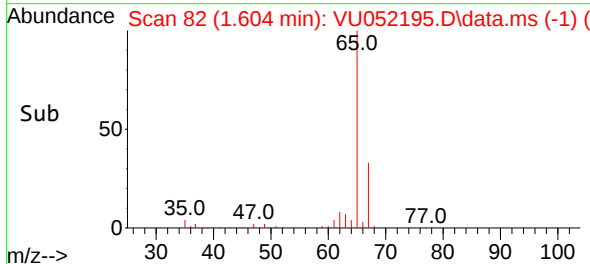
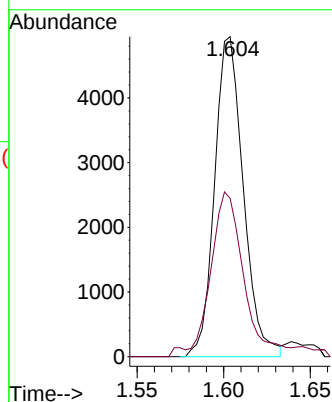
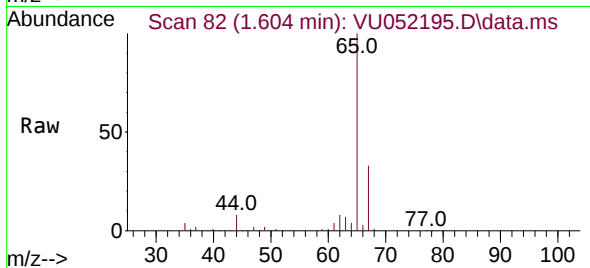
MDL04

Tgt Ion: 62 Resp: 5703

Ion Ratio Lower Upper

62 100

64 49.5 23.5 43.7#



#6

Bromomethane

Concen: 0.271 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU052195.D

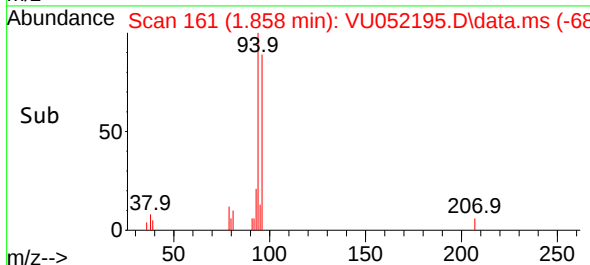
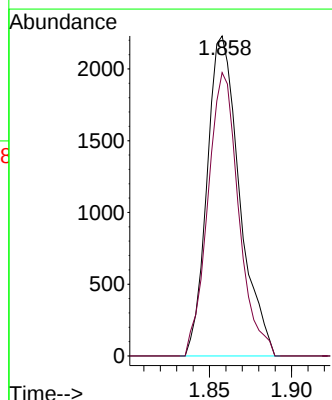
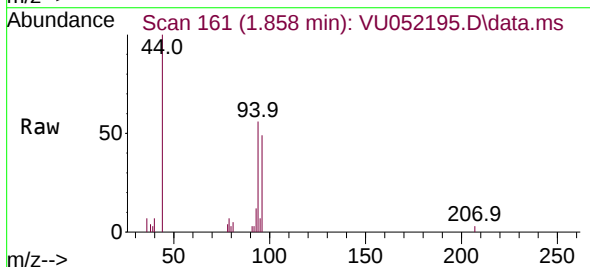
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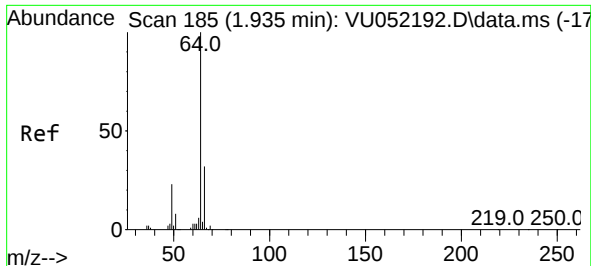
Tgt Ion: 94 Resp: 3068

Ion Ratio Lower Upper

94 100

96 88.6 65.7 122.1

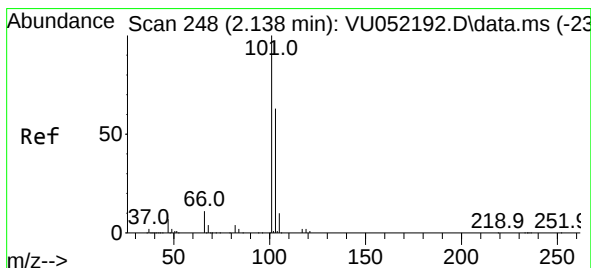
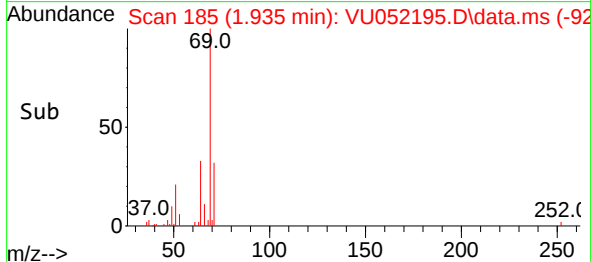
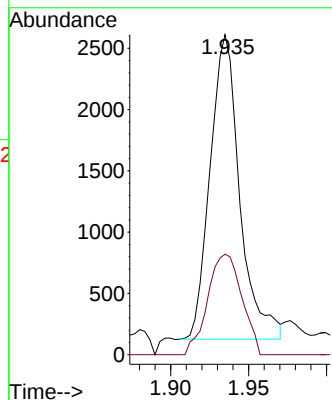
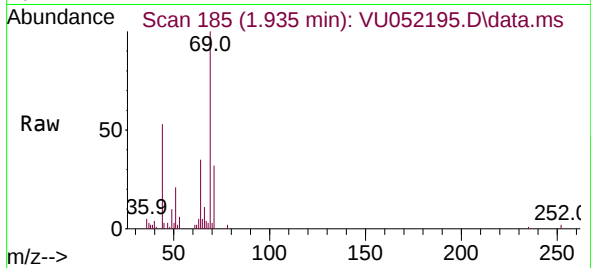




#8
Chloroethane
Concen: 0.239 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

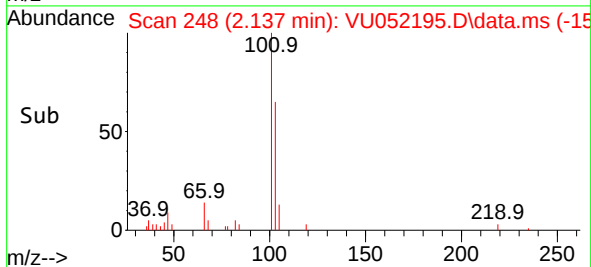
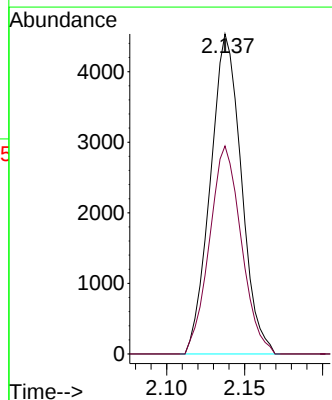
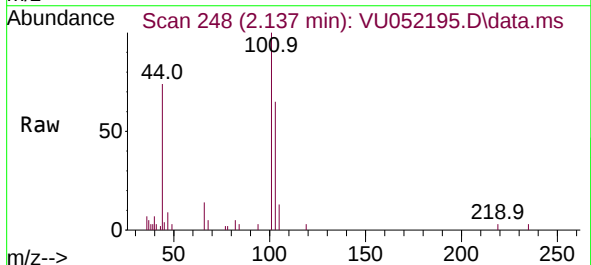
Instrument :
MSVOA_U
ClientSampleId :
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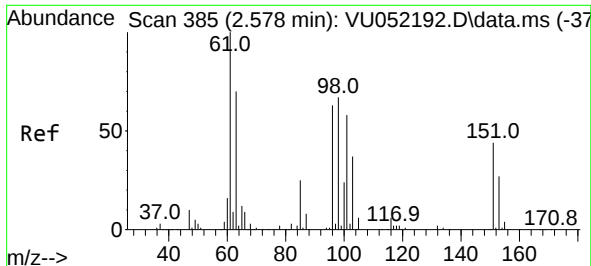
Tgt Ion: 64 Resp: 3282
Ion Ratio Lower Upper
64 100
66 31.4 21.1 39.1



#9
Trichlorofluoromethane
Concen: 0.258 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 101 Resp: 6270
Ion Ratio Lower Upper
101 100
103 66.8 51.6 77.4





#10

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

Concen: 0.333 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

MDL04

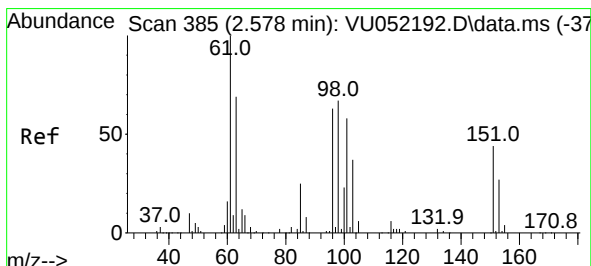
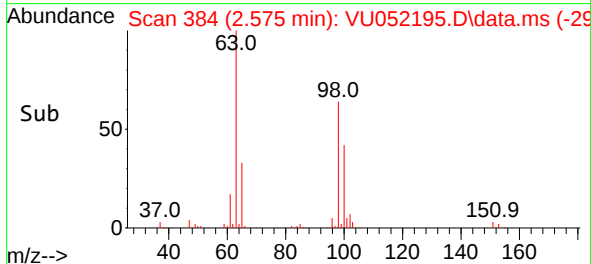
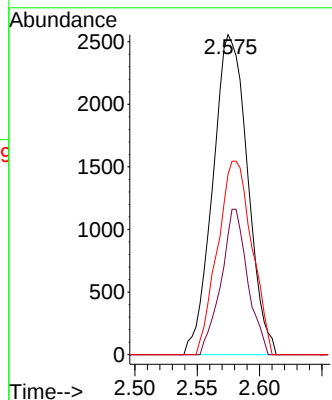
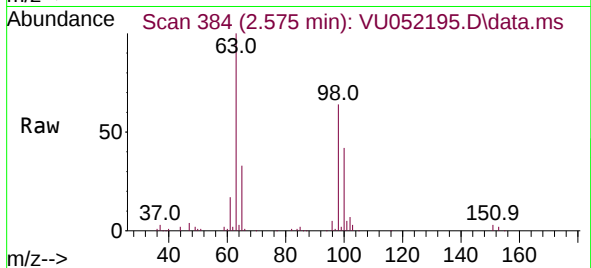
Tgt Ion:101 Resp: 4952

Ion Ratio Lower Upper

101 100

85 34.7 33.8 50.6

151 59.7 58.6 88.0



#12

1,1-Dichloroethene

Concen: 0.299 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

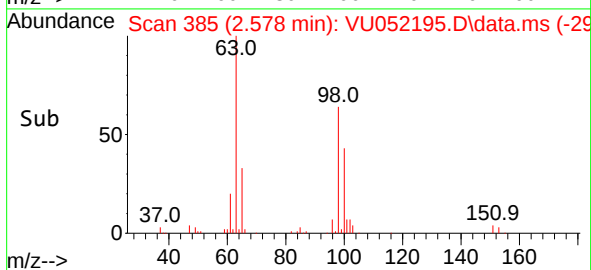
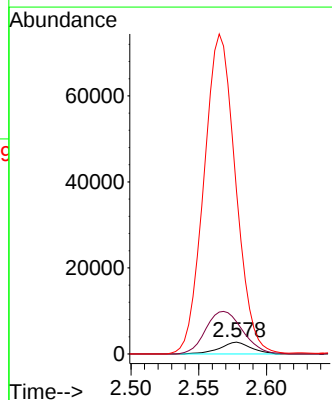
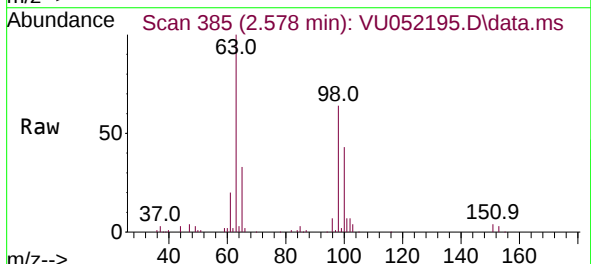
Tgt Ion: 96 Resp: 4401

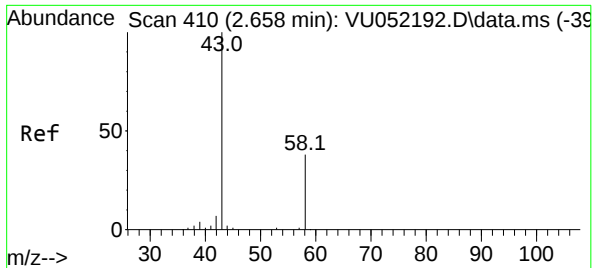
Ion Ratio Lower Upper

96 100

61 272.9 114.8 213.2#

63 1380.6 93.7 174.1#





#13

Acetone

Concen: 2.912 ug/L

RT: 2.662 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

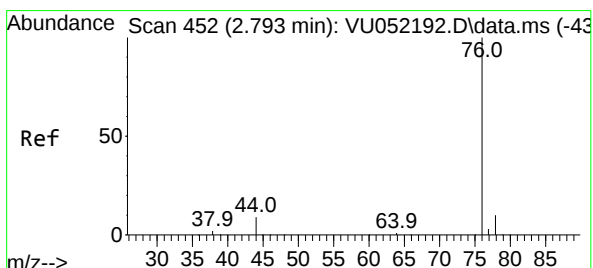
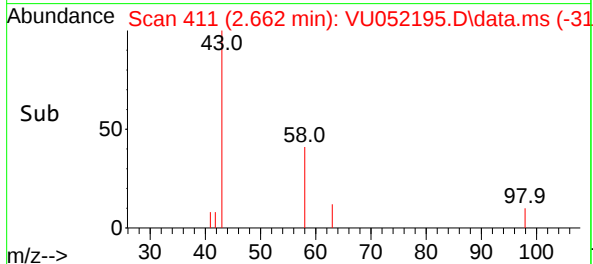
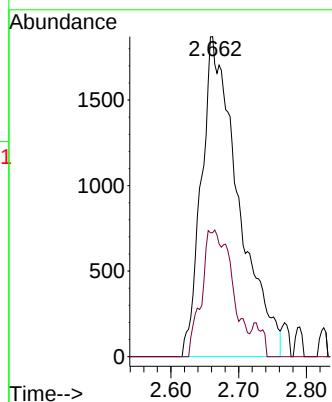
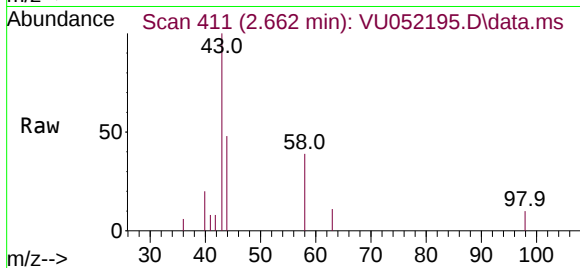
MDL04

Tgt Ion: 43 Resp: 7083

Ion Ratio Lower Upper

43 100

58 32.8 0.0 76.0



#14

Carbon disulfide

Concen: 0.267 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052195.D

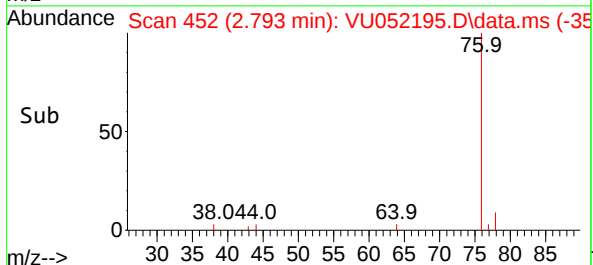
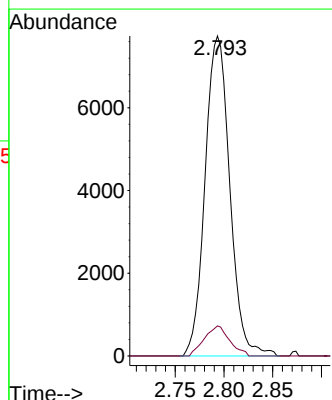
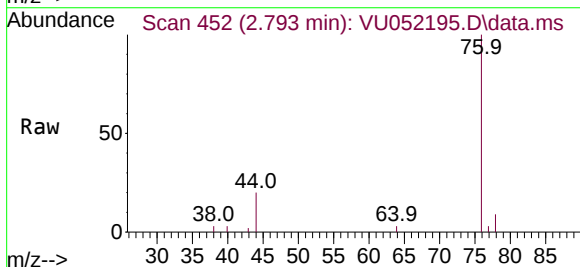
Acq: 07 Dec 2022 12:33

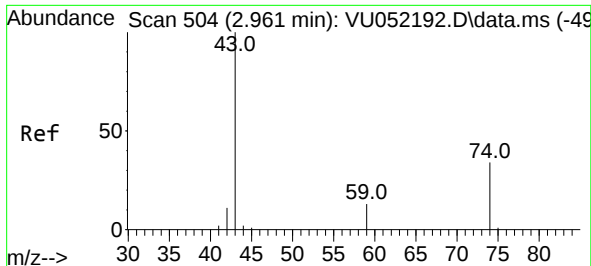
Tgt Ion: 76 Resp: 13647

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

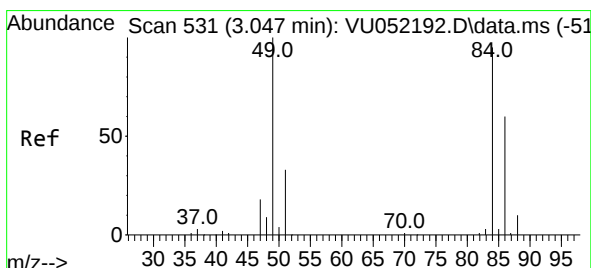
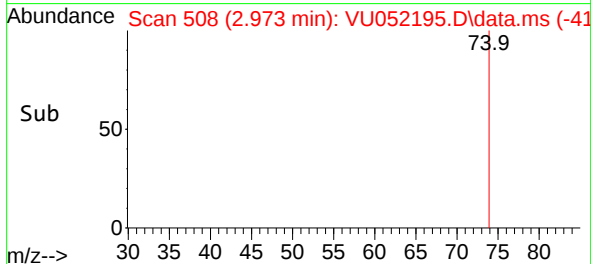
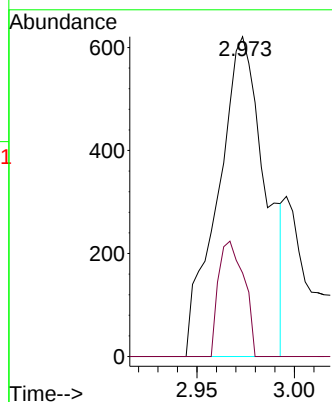
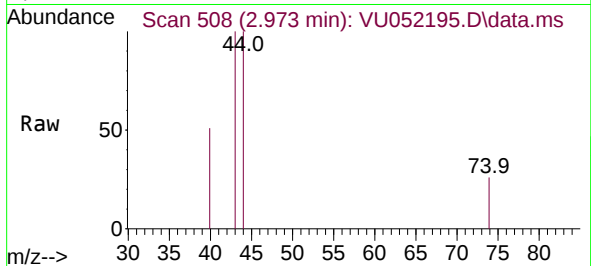




#15
Methyl Acetate
Concen: 0.166 ug/L
RT: 2.973 min Scan# 508
Delta R.T. 0.013 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

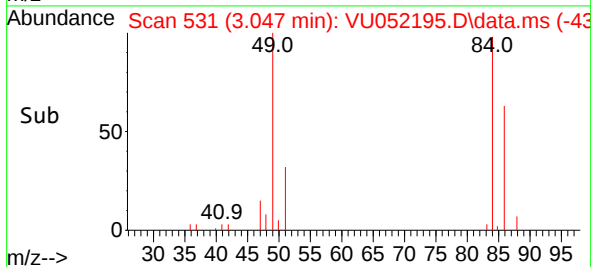
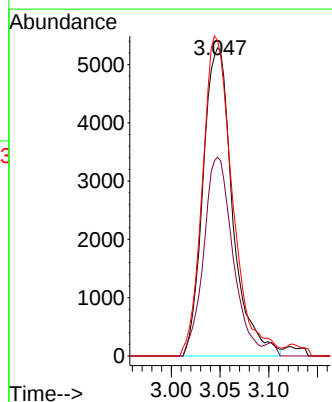
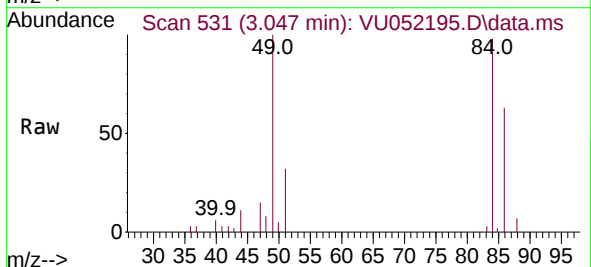
Instrument :
MSVOA_U
ClientSampleId :
MDL04

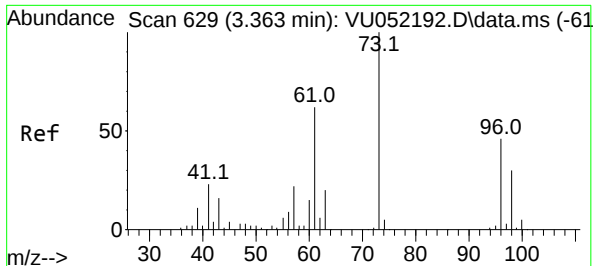
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
74 19.4 21.3 31.9#



#16
Methylene chloride
Concen: 0.559 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 84 Resp: 11137
Ion Ratio Lower Upper
84 100
86 64.5 43.8 81.4
49 102.5 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 0.214 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

MDL04

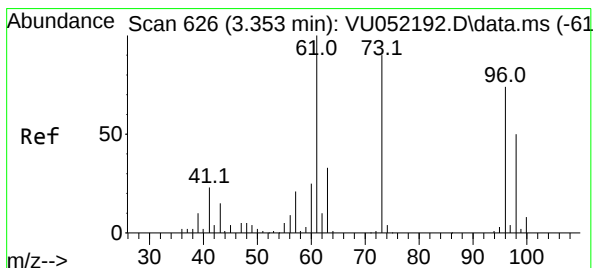
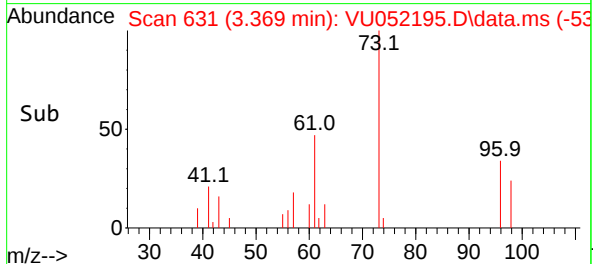
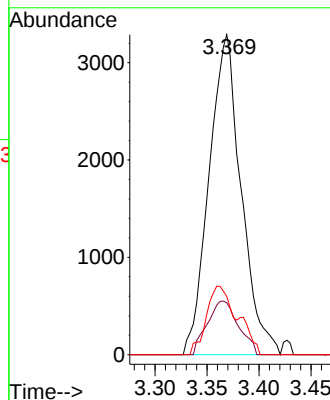
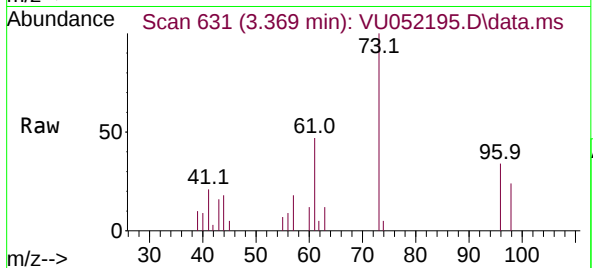
Tgt Ion: 73 Resp: 7067

Ion Ratio Lower Upper

73 100

43 16.3 13.2 19.8

57 20.8 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 0.245 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

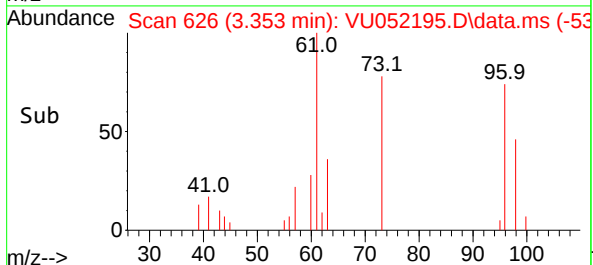
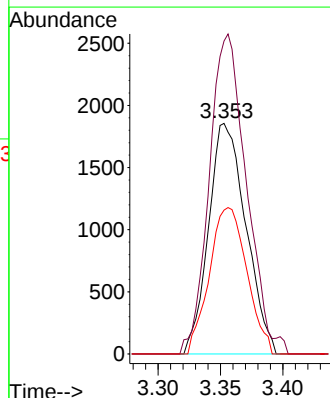
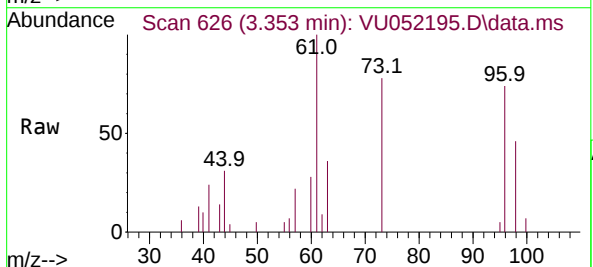
Tgt Ion: 96 Resp: 3867

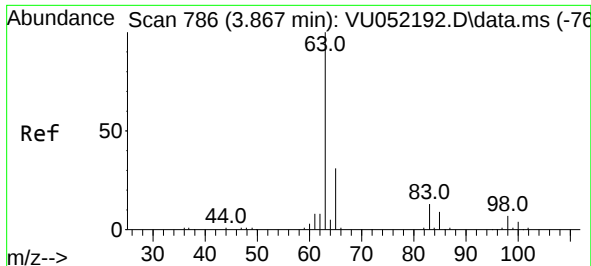
Ion Ratio Lower Upper

96 100

61 135.7 97.9 181.7

98 62.4 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.243 ug/L

RT: 3.870 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

MDL04

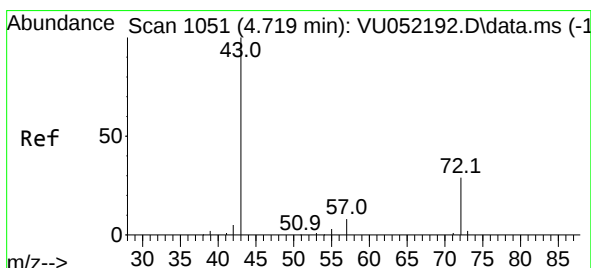
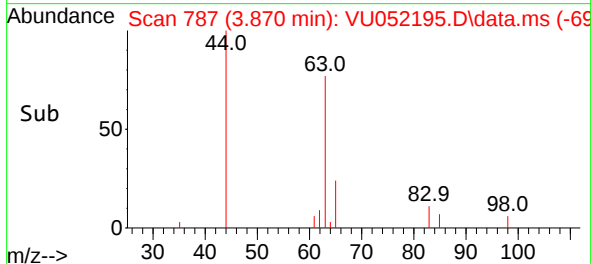
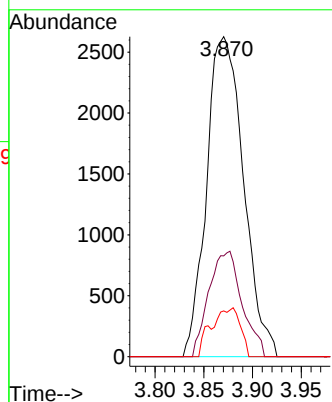
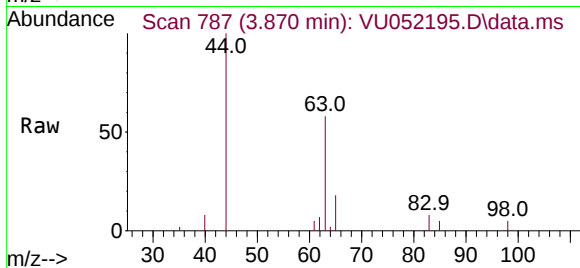
Tgt Ion: 63 Resp: 6922

Ion Ratio Lower Upper

63 100

65 31.5 22.2 41.2

83 14.3 9.2 17.0



#21

2-Butanone

Concen: 0.101 ug/L

RT: 4.851 min Scan# 1092

Delta R.T. 0.132 min

Lab File: VU052195.D

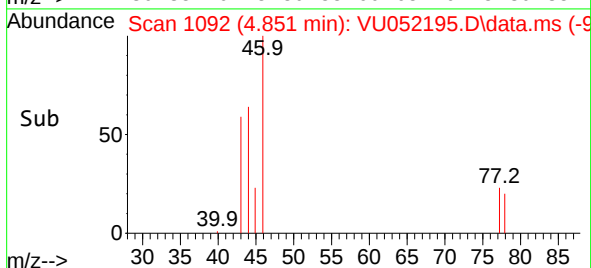
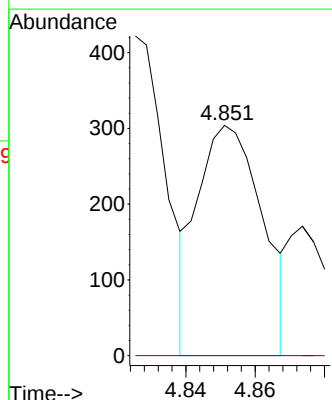
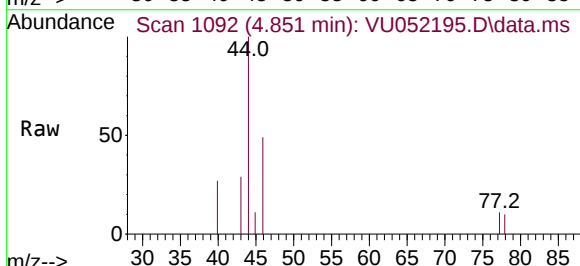
Acq: 07 Dec 2022 12:33

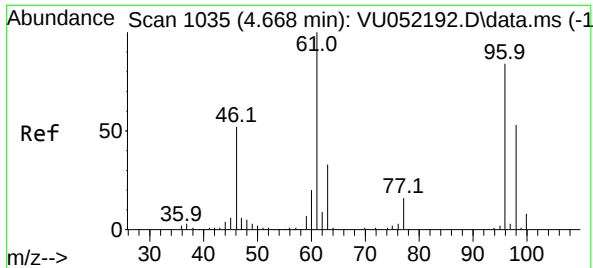
Tgt Ion: 43 Resp: 394

Ion Ratio Lower Upper

43 100

72 20.3 15.6 46.8

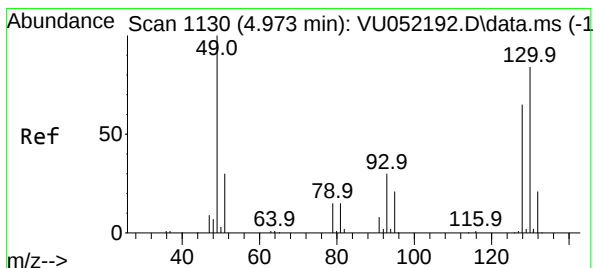
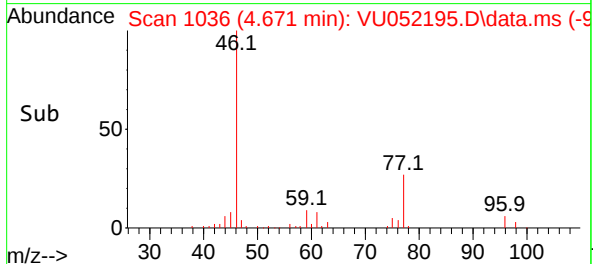
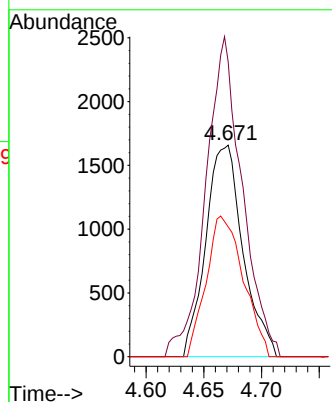
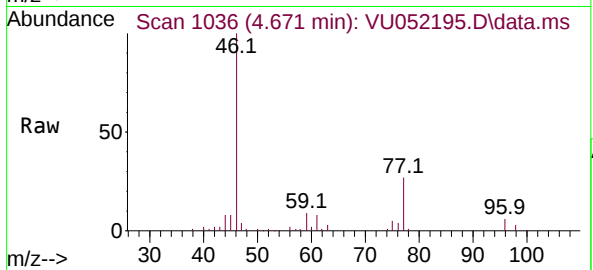




#22
cis-1,2-Dichloroethene
Concen: 0.224 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

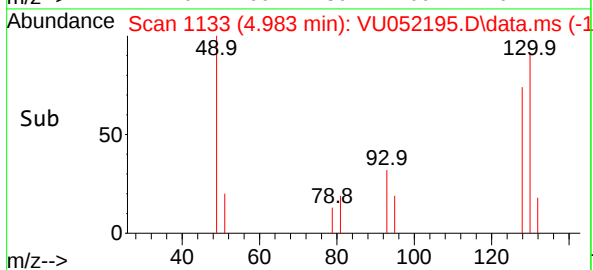
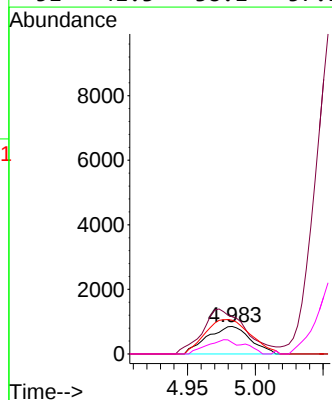
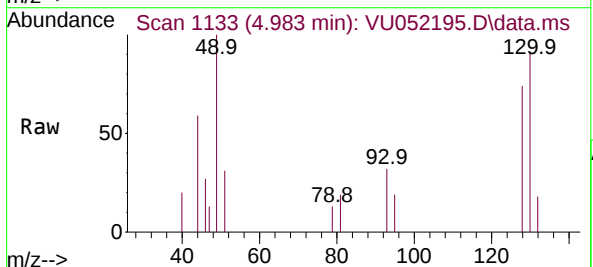
Instrument :
MSVOA_U
ClientSampleId :
MDL04

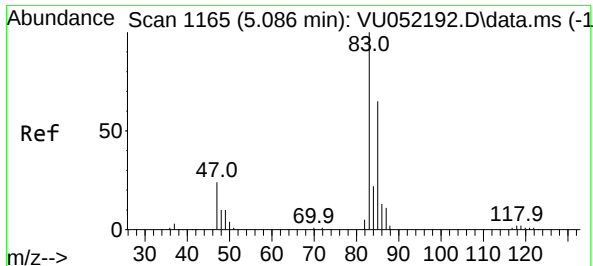
Tgt Ion: 96 Resp: 3714
Ion Ratio Lower Upper
96 100
61 139.3 85.1 158.1
98 61.3 42.8 79.6



#23
Bromochloromethane
Concen: 0.236 ug/L
RT: 4.983 min Scan# 1133
Delta R.T. 0.010 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 128 Resp: 1875
Ion Ratio Lower Upper
128 100
49 134.7 104.0 193.2
130 123.0 84.6 157.2
51 41.3 38.1 57.1





#25

Chloroform

Concen: 0.283 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

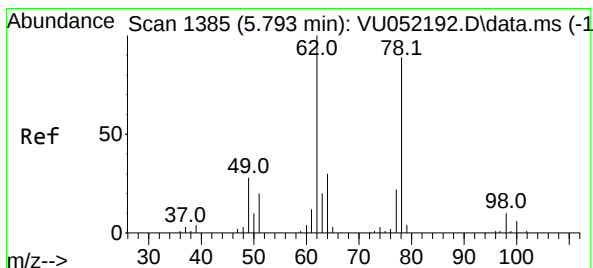
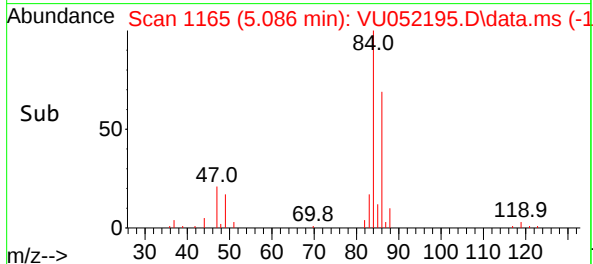
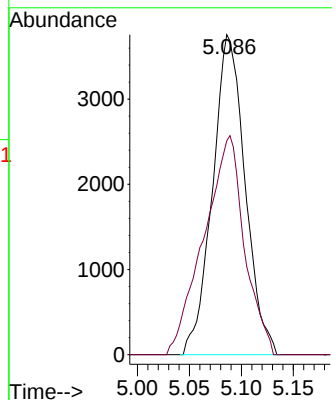
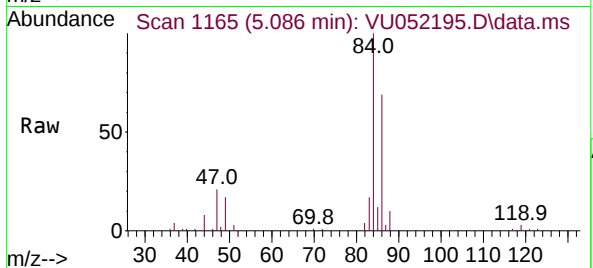
MDL04

Tgt Ion: 83 Resp: 8174

Ion Ratio Lower Upper

83 100

85 66.8 43.8 81.4



#27

1,2-Dichloroethane

Concen: 0.239 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VU052195.D

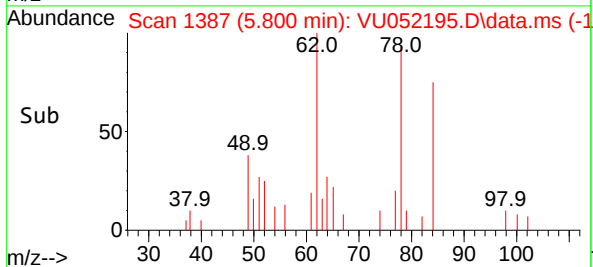
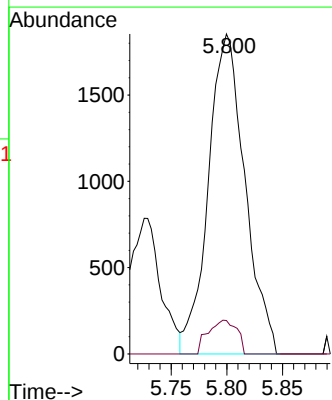
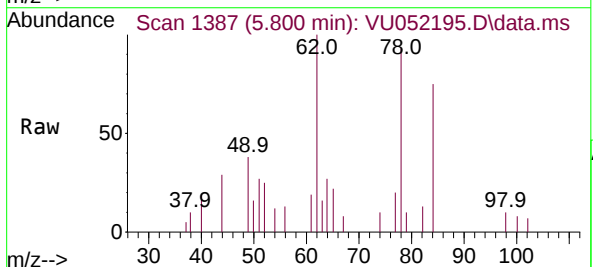
Acq: 07 Dec 2022 12:33

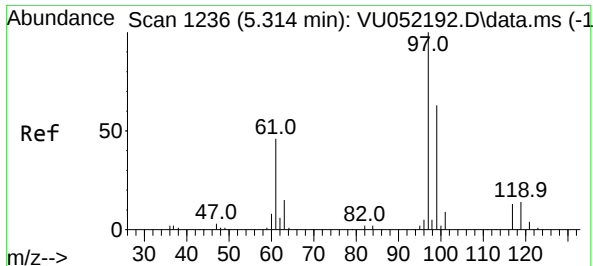
Tgt Ion: 62 Resp: 4232

Ion Ratio Lower Upper

62 100

98 10.4 8.4 12.6

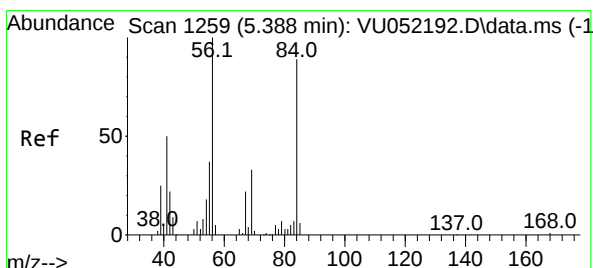
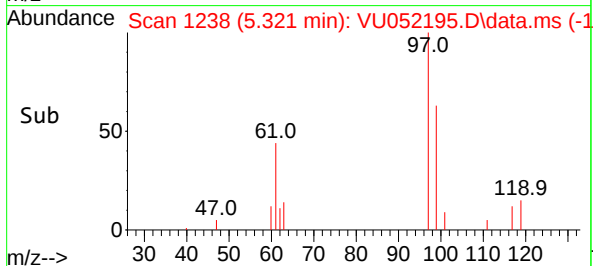
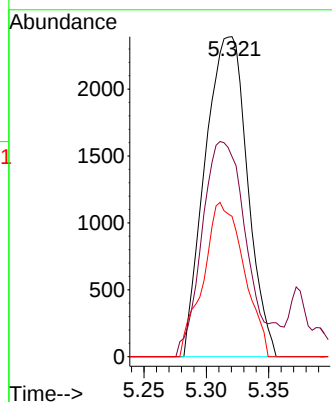
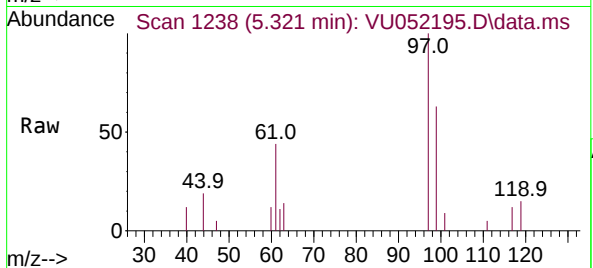




#29
1,1,1-Trichloroethane
Concen: 0.245 ug/L
RT: 5.321 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

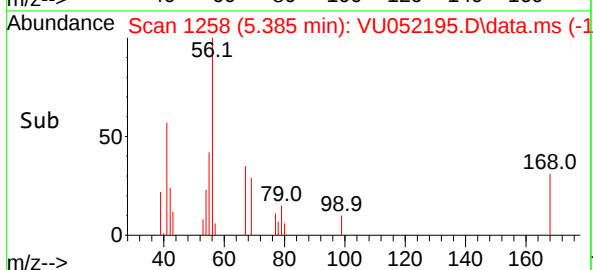
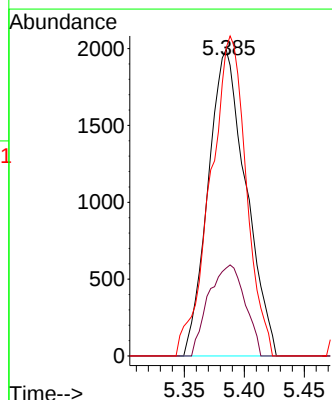
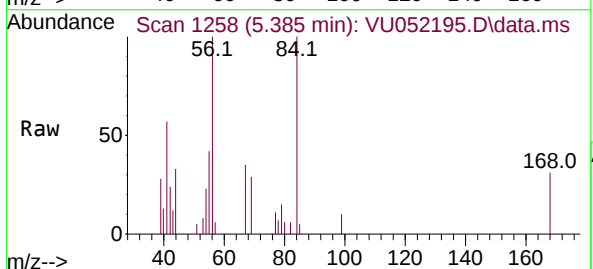
Instrument :
MSVOA_U
ClientSampleId :
MDL04

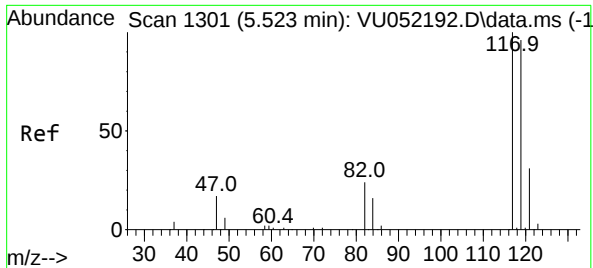
Tgt Ion: 97	Resp: 5650		
Ion Ratio	Lower	Upper	
97 100			
99 72.0	51.0	76.6	
61 46.2	36.9	55.3	



#30
Cyclohexane
Concen: 0.195 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 56	Resp: 4361
Ion Ratio	Lower Upper
56 100	
69 28.7	25.6 38.4
84 99.1	72.0 108.0

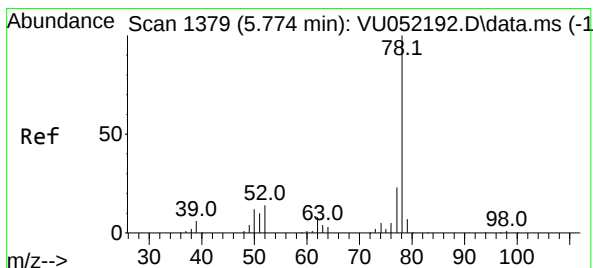
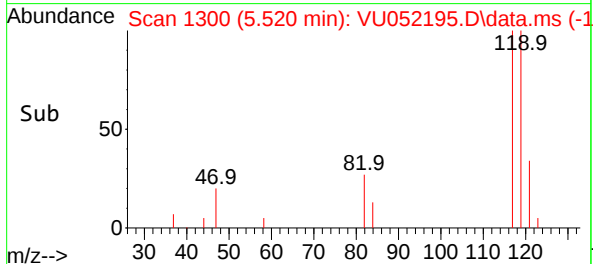
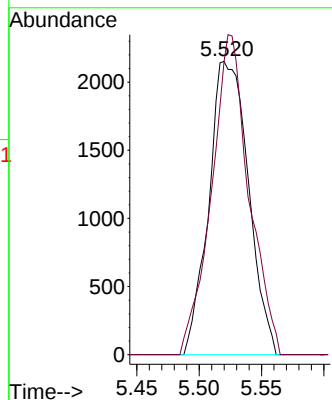
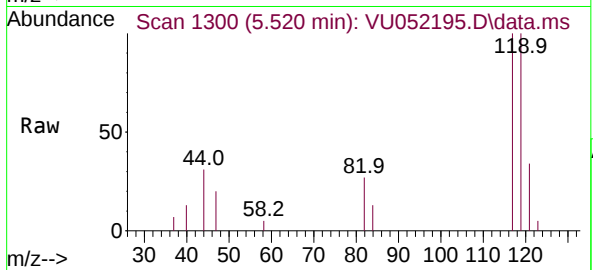




#31
Carbon tetrachloride
Concen: 0.243 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

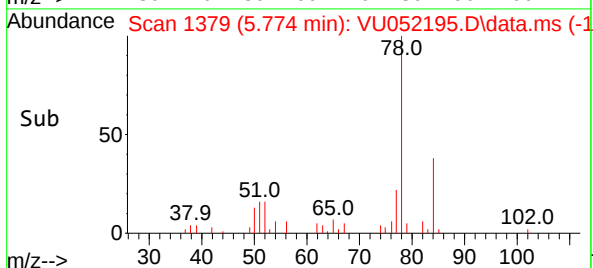
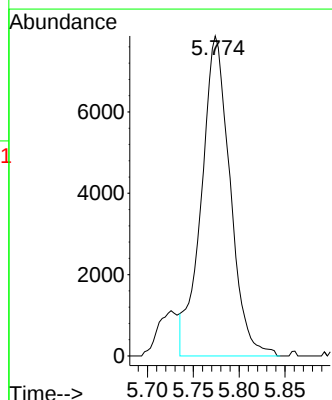
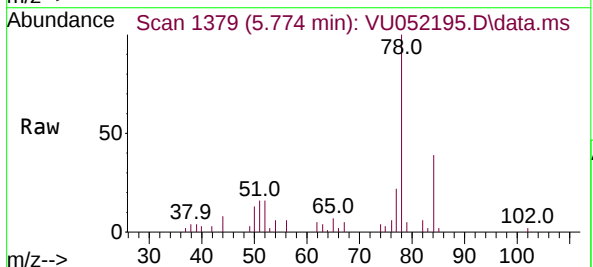
Instrument :
MSVOA_U
ClientSampleId :
MDL04

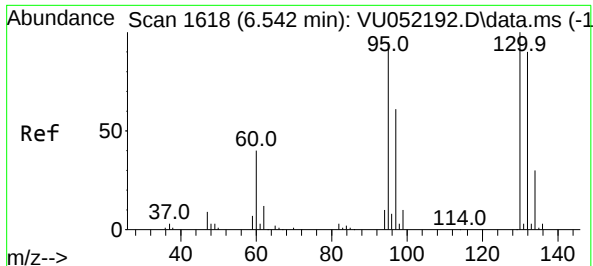
Tgt Ion:117 Resp: 4754
Ion Ratio Lower Upper
117 100
119 103.1 77.2 115.8



#33
Benzene
Concen: 0.253 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 78 Resp: 17094



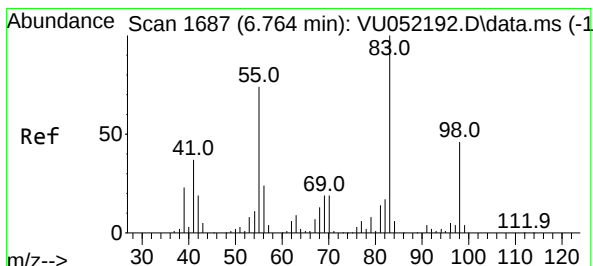
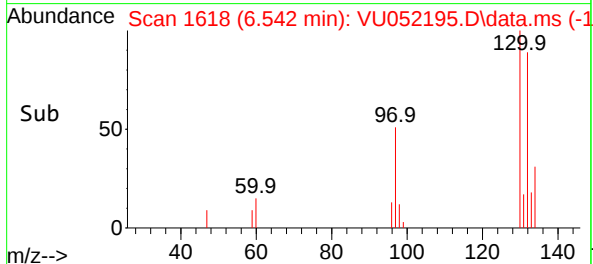
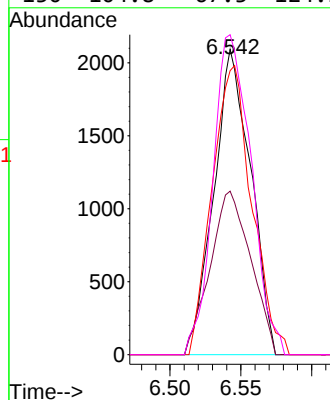
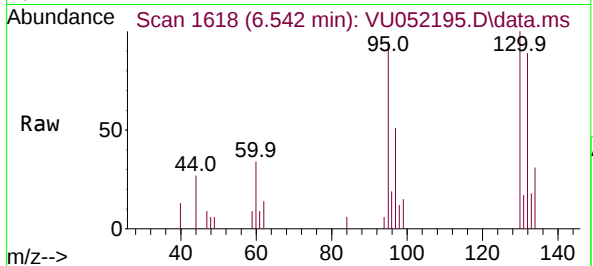


#34
Trichloroethene
Concen: 0.225 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 95 Resp: 3791

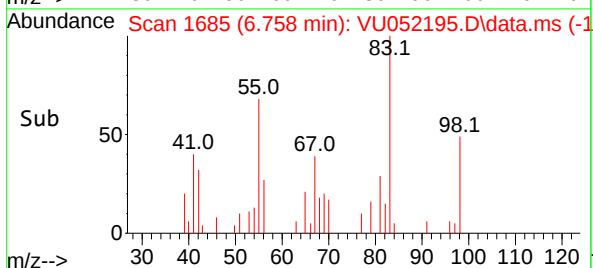
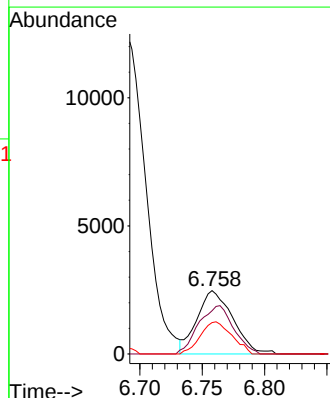
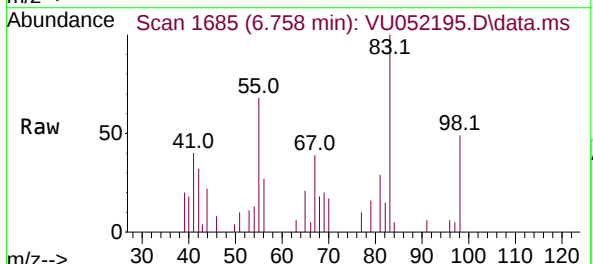
Ion	Ratio	Lower	Upper
95	100		
97	53.6	43.7	81.1
132	93.0	64.3	119.3
130	104.8	67.3	124.9

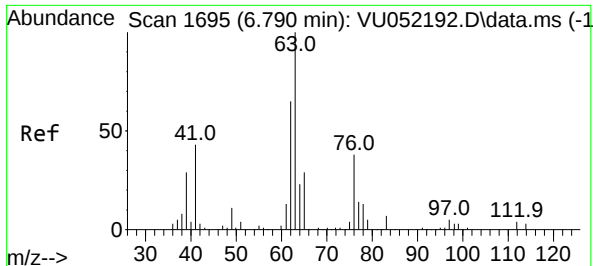


#35
Methylcyclohexane
Concen: 0.203 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.007 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 83 Resp: 4935

Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.8	91.2
98	44.5	35.1	52.7





#37

1,2-Dichloropropane

Concen: 0.231 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

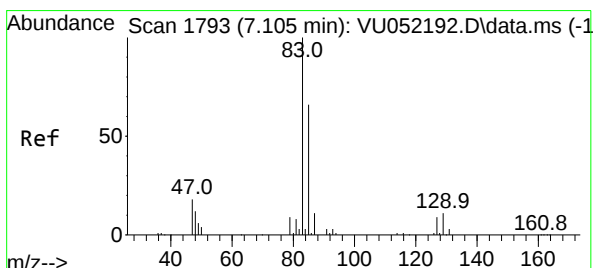
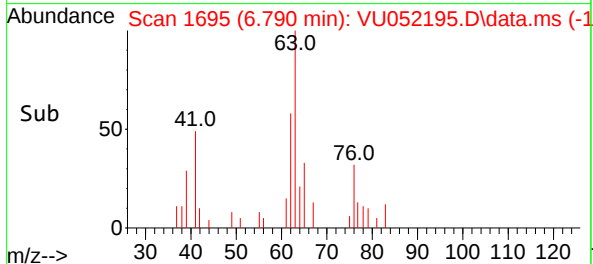
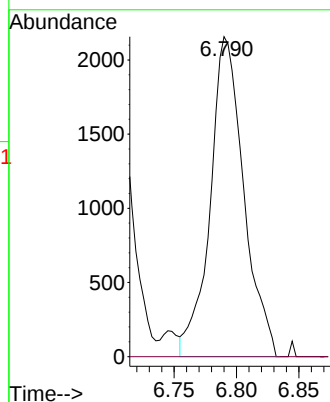
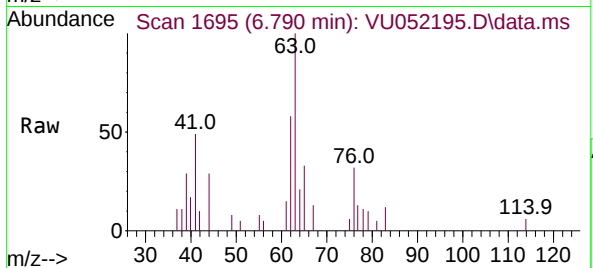
MDL04

Tgt Ion: 63 Resp: 4040

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.239 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

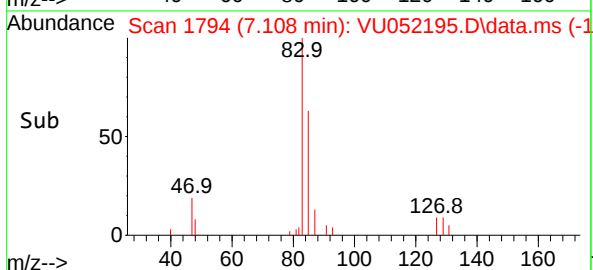
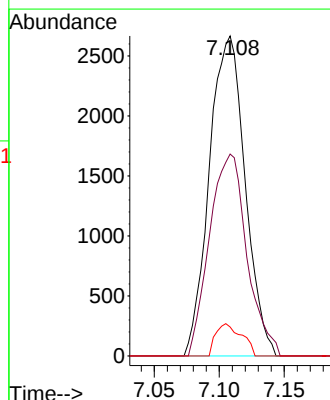
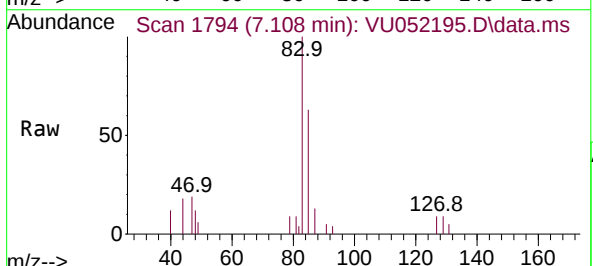
Tgt Ion: 83 Resp: 5111

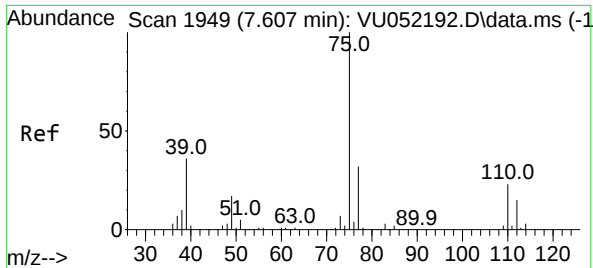
Ion Ratio Lower Upper

83 100

85 63.1 43.5 80.9

127 9.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 0.237 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

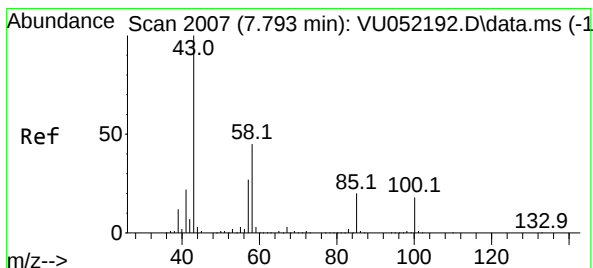
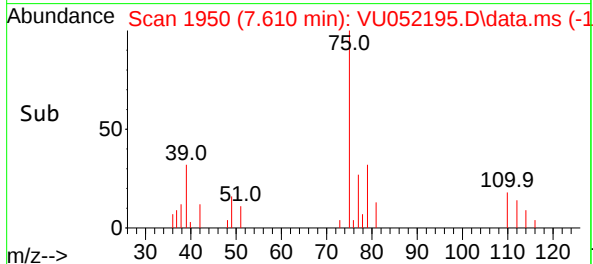
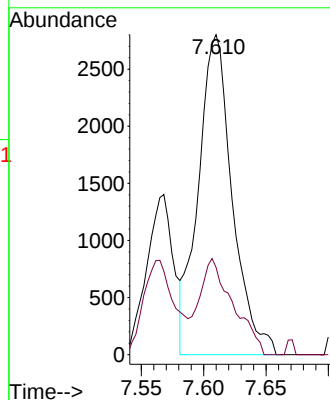
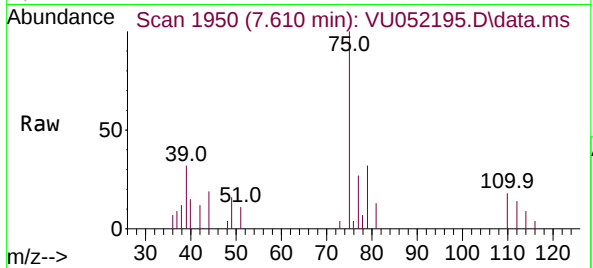
MDL04

Tgt Ion: 75 Resp: 5327

Ion Ratio Lower Upper

75 100

77 27.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 1.714 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

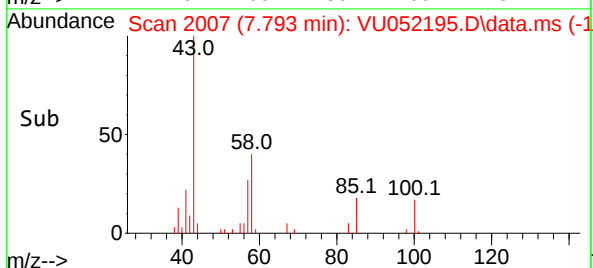
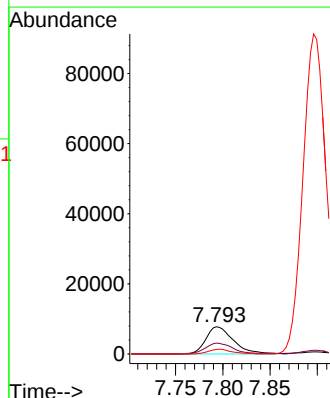
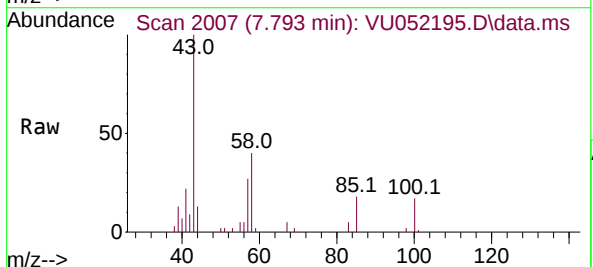
Tgt Ion: 43 Resp: 15688

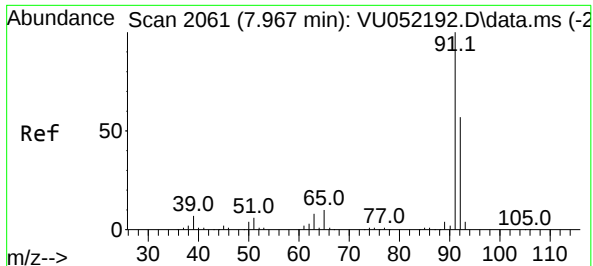
Ion Ratio Lower Upper

43 100

58 40.3 35.3 52.9

100 0.0 13.6 20.4#





#42

Toluene

Concen: 0.207 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

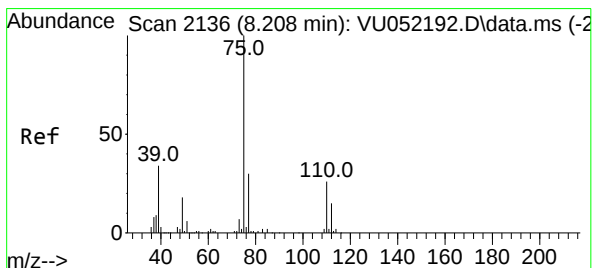
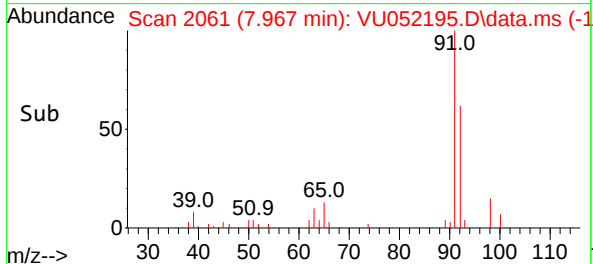
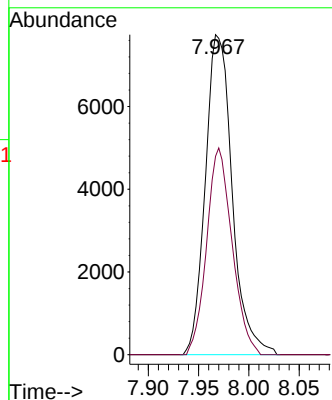
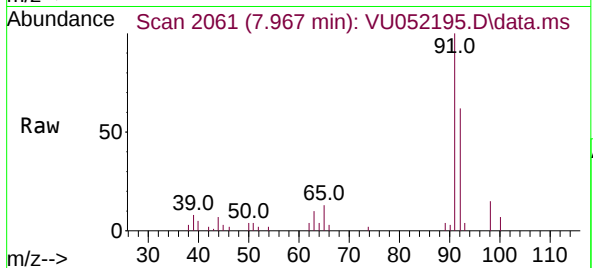
MDL04

Tgt Ion: 91 Resp: 14409

Ion Ratio Lower Upper

91 100

92 62.0 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 0.213 ug/L

RT: 8.218 min Scan# 2139

Delta R.T. 0.010 min

Lab File: VU052195.D

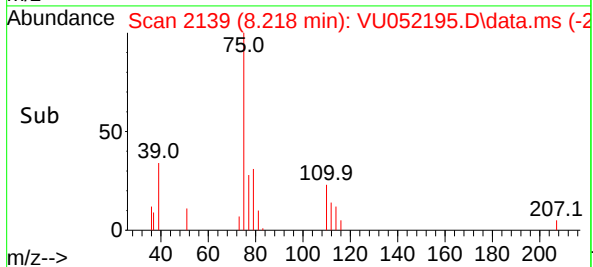
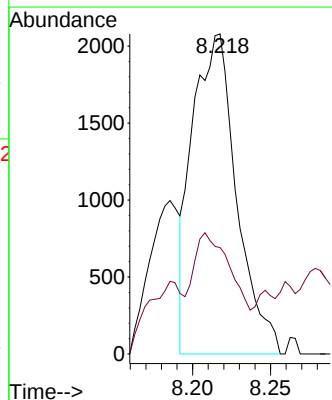
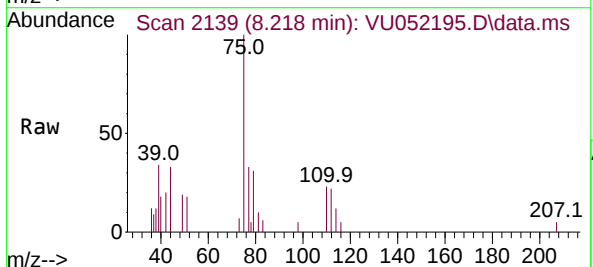
Acq: 07 Dec 2022 12:33

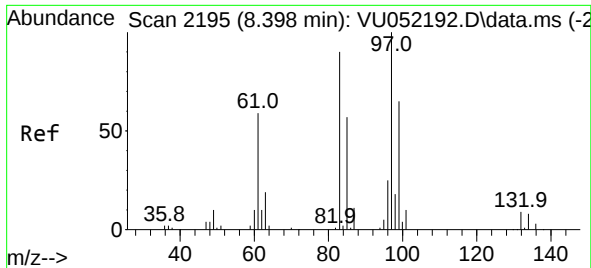
Tgt Ion: 75 Resp: 4093

Ion Ratio Lower Upper

75 100

77 33.3 22.6 42.0



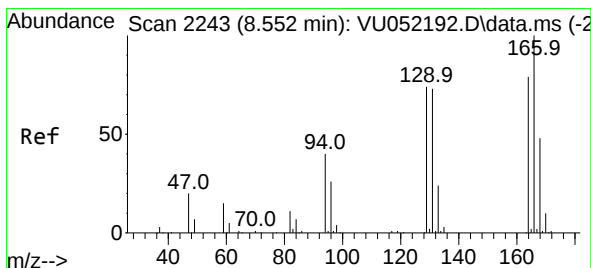
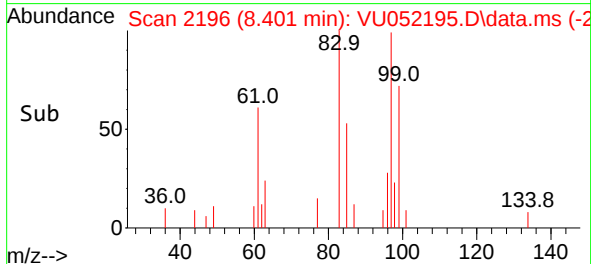
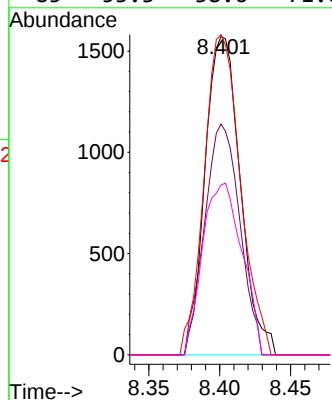
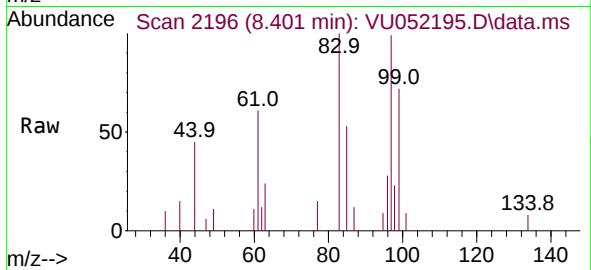


#45
1,1,2-Trichloroethane
Concen: 0.205 ug/L
RT: 8.401 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 97 Resp: 2700

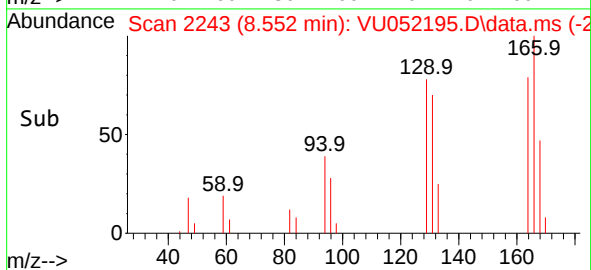
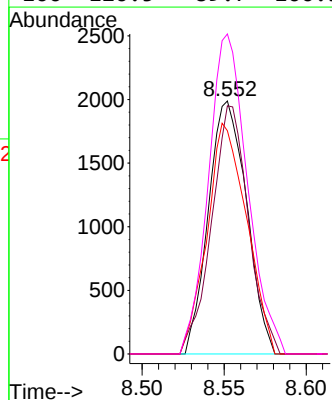
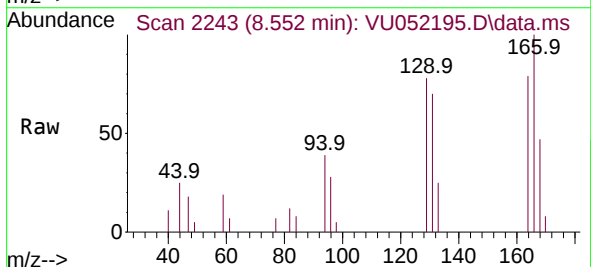
Ion	Ratio	Lower	Upper
97	100		
99	72.5	42.6	79.2
83	100.6	60.7	112.7
85	53.3	38.6	71.6

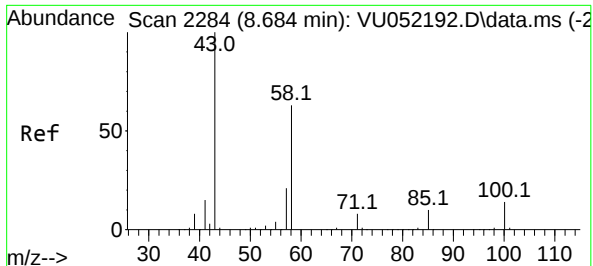


#47
Tetrachloroethene
Concen: 0.248 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 164 Resp: 3212

Ion	Ratio	Lower	Upper
164	100		
129	98.1	67.4	125.2
131	88.3	67.1	124.7
166	126.5	89.7	166.5

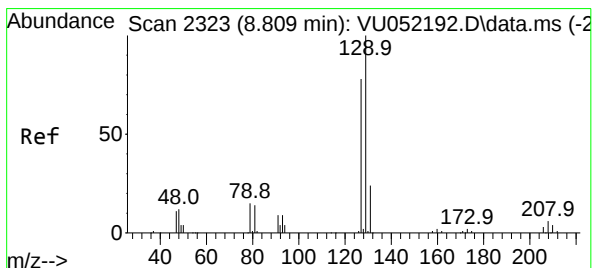
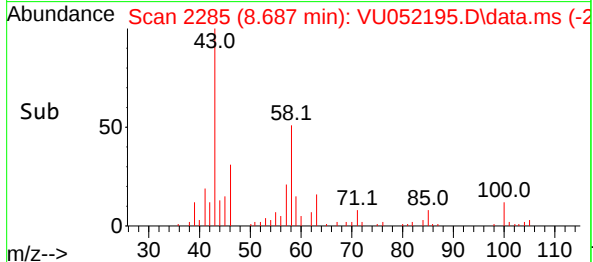
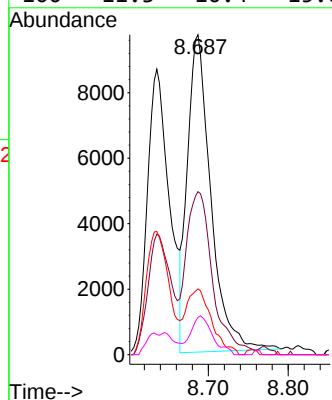
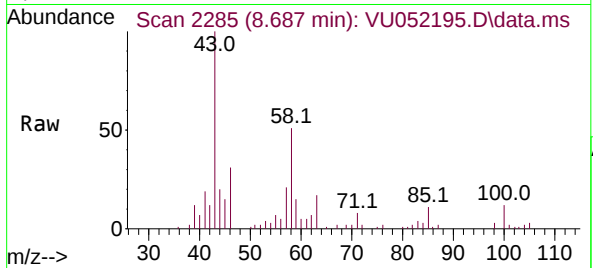




#48
2-Hexanone
Concen: 2.940 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

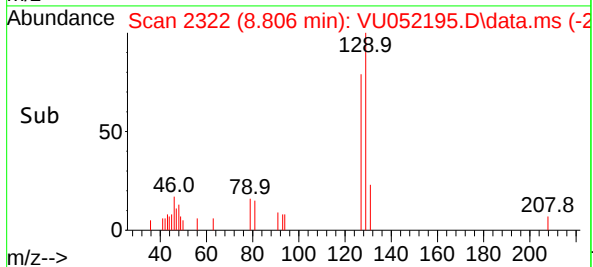
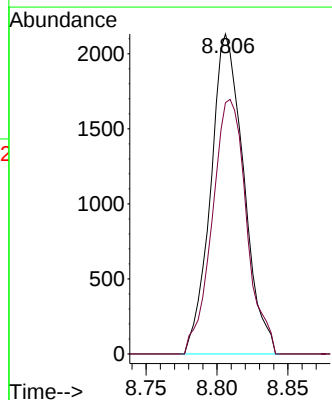
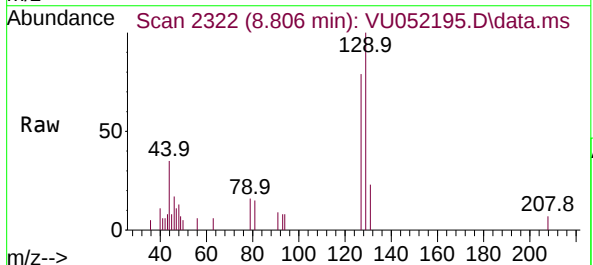
Instrument :
MSVOA_U
ClientSampleId :
MDL04

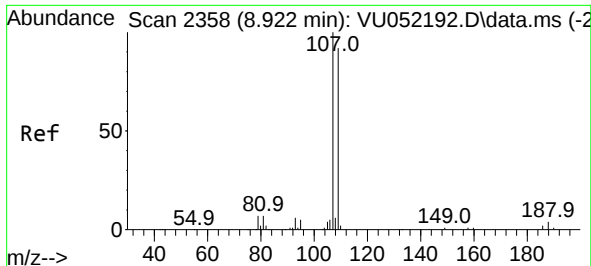
Tgt Ion: 43	Resp: 19723
Ion Ratio	Lower Upper
43 100	
58 58.9	49.4 74.0
57 22.8	16.3 24.5
100 11.3	10.4 15.6



#49
Dibromochloromethane
Concen: 0.234 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion:129	Resp: 3445		
Ion Ratio	Lower	Upper	
129 100			
127 78.6	52.8	98.2	





#50

1,2-Dibromoethane

Concen: 0.228 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

MDL04

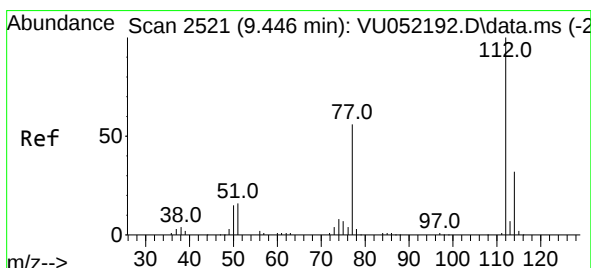
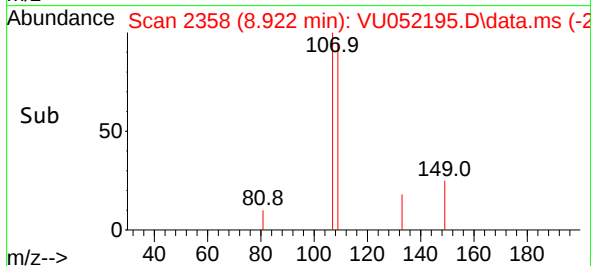
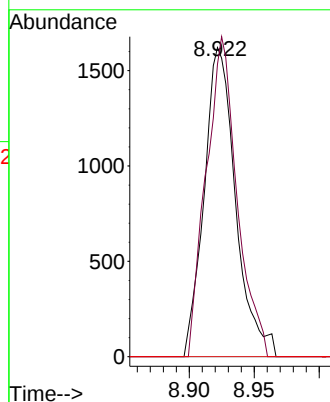
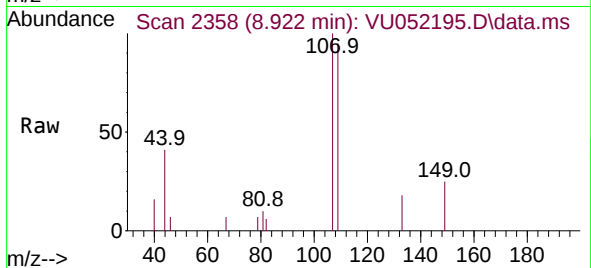
Tgt Ion:107 Resp: 2733

Ion Ratio Lower Upper

107 100

109 94.6 64.9 120.5

188 0.0 2.6 4.0#



#51

Chlorobenzene

Concen: 0.236 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

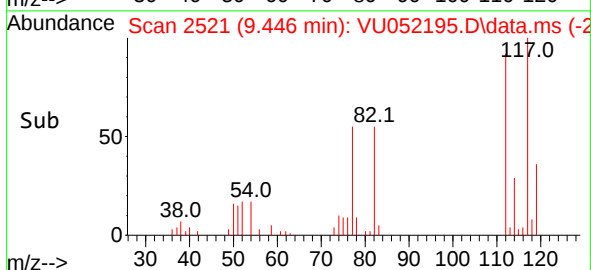
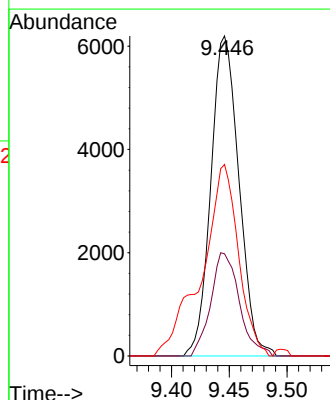
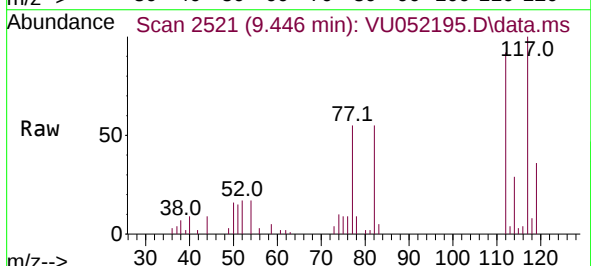
Tgt Ion:112 Resp: 10493

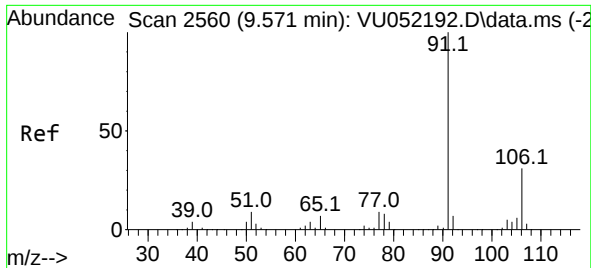
Ion Ratio Lower Upper

112 100

114 32.0 22.2 41.2

77 59.8 46.6 70.0

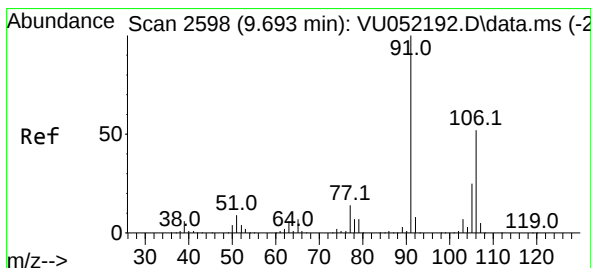
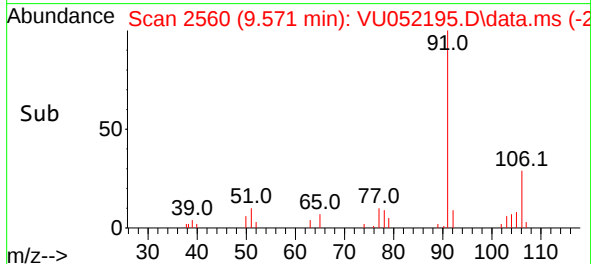
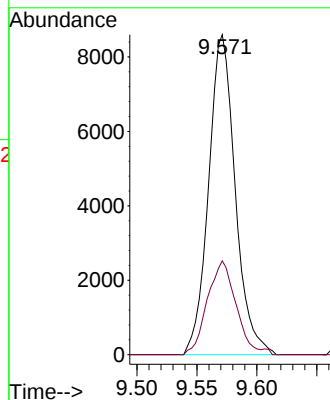
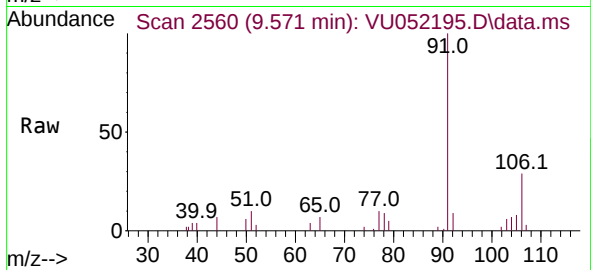




#52
Ethylbenzene
Concen: 0.196 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

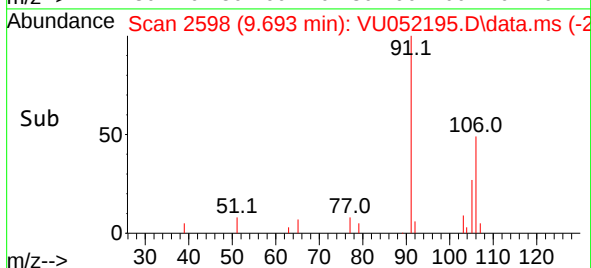
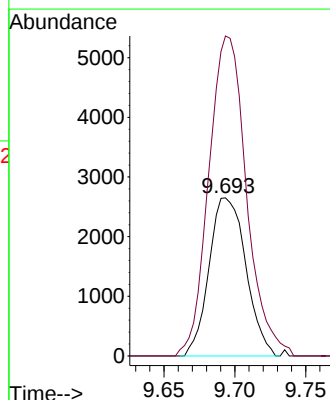
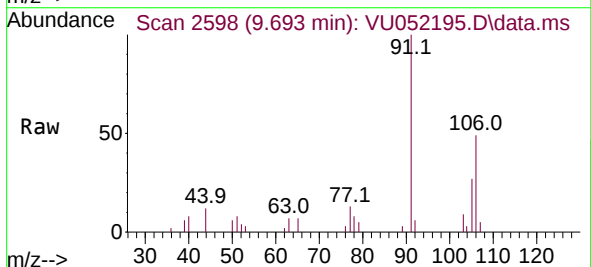
Instrument :
MSVOA_U
ClientSampleId :
MDL04

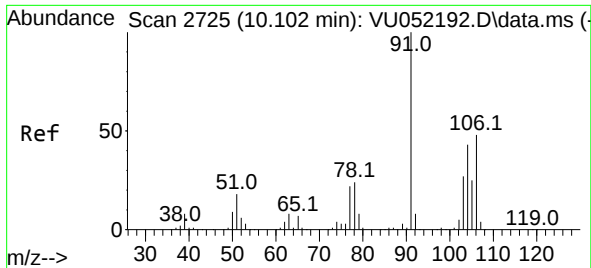
Tgt Ion: 91 Resp: 13277
Ion Ratio Lower Upper
91 100
106 29.4 22.3 41.3



#53
m,p-Xylene
Concen: 0.183 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 106 Resp: 4787
Ion Ratio Lower Upper
106 100
91 202.4 137.7 255.7

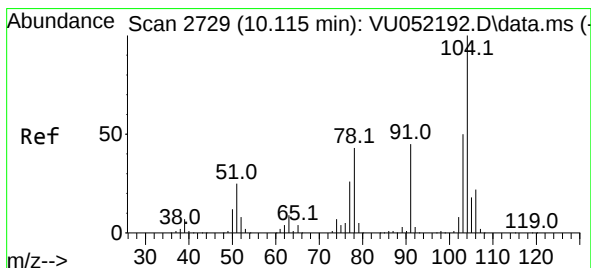
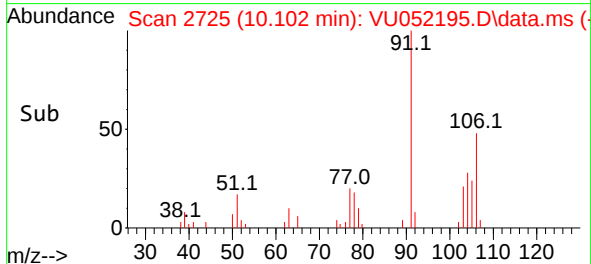
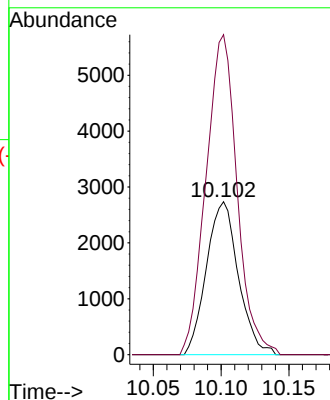
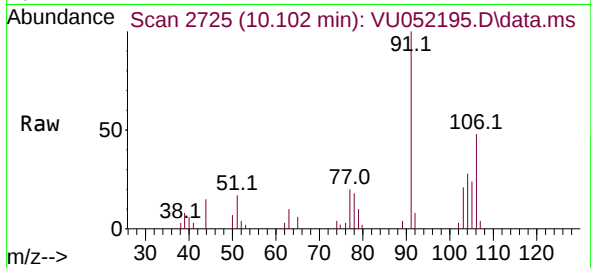




#54
o-Xylene
Concen: 0.179 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

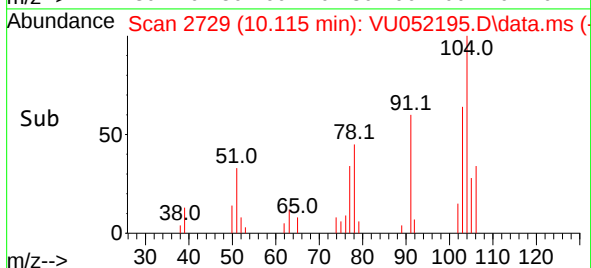
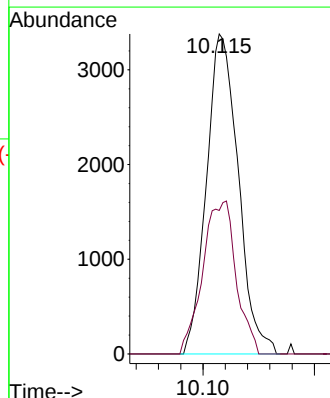
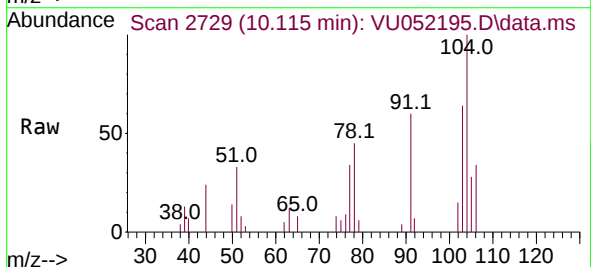
Instrument :
MSVOA_U
ClientSampleId :
MDL04

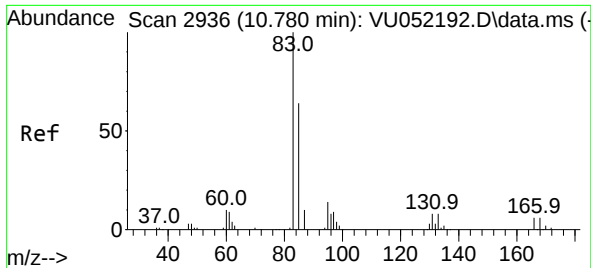
Tgt Ion:106 Resp: 4486
Ion Ratio Lower Upper
106 100
91 209.1 151.5 281.5



#55
Styrene
Concen: 0.158 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion:104 Resp: 6697
Ion Ratio Lower Upper
104 100
78 44.8 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 0.276 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

MDL04

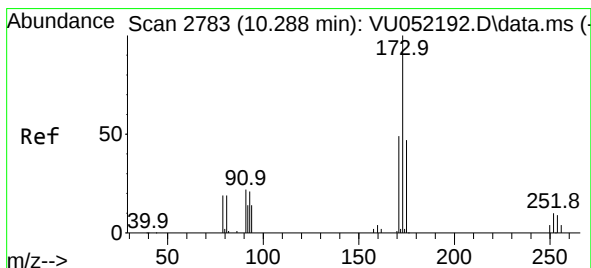
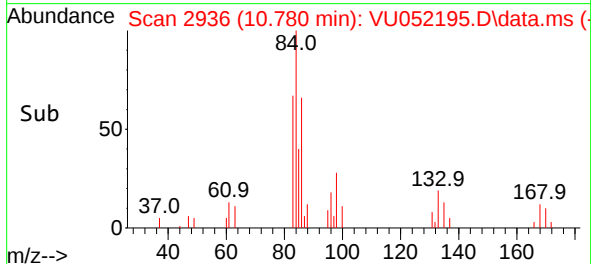
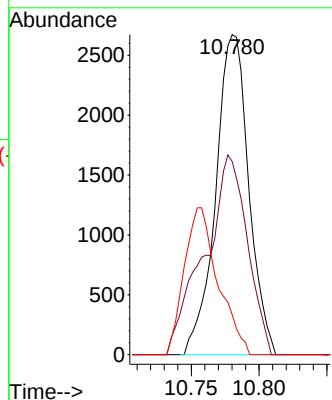
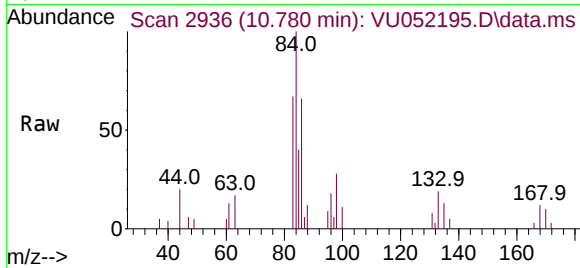
Tgt Ion: 83 Resp: 4531

Ion Ratio Lower Upper

83 100

85 60.4 45.7 84.9

131 12.5 7.6 11.4#



#59

Bromoform

Concen: 0.274 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

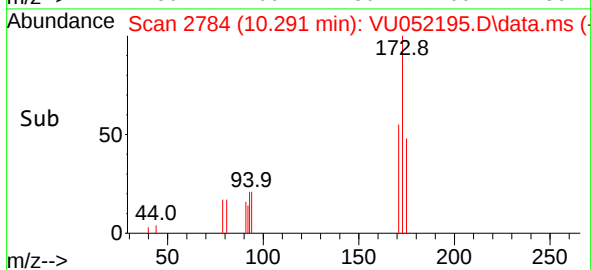
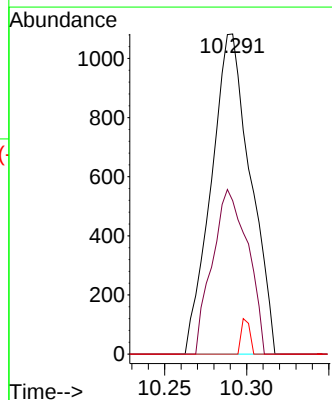
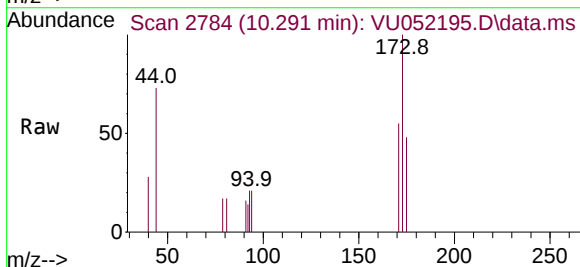
Tgt Ion:173 Resp: 1801

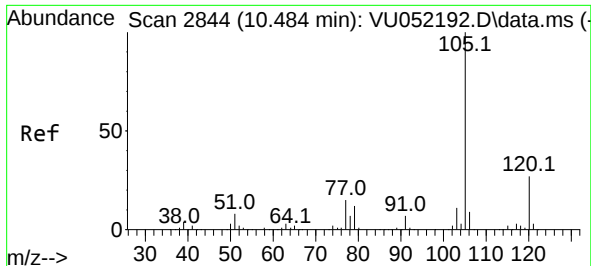
Ion Ratio Lower Upper

173 100

175 46.4 37.2 55.8

254 2.4 7.0 10.6#

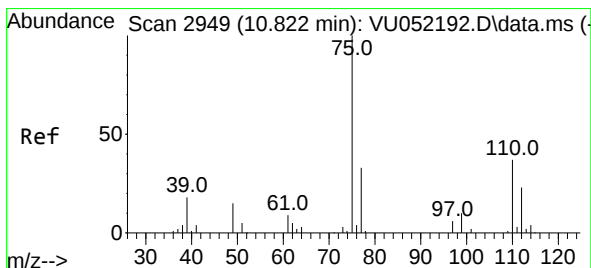
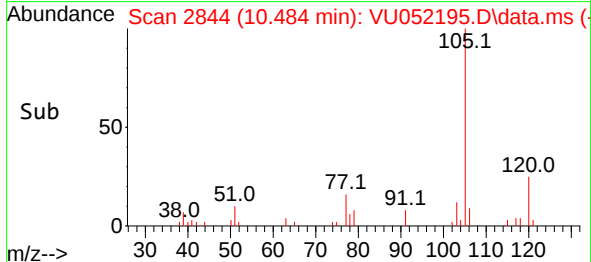
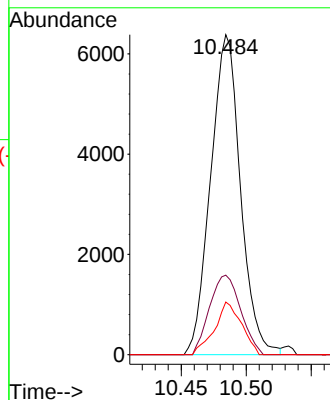
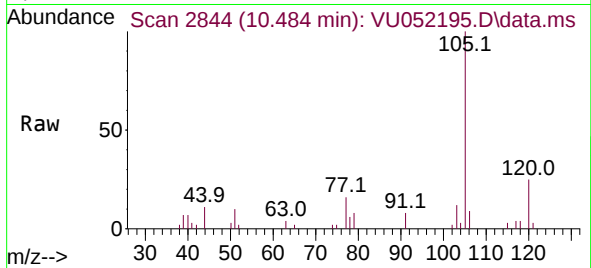




#60
Isopropylbenzene
Concen: 0.203 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

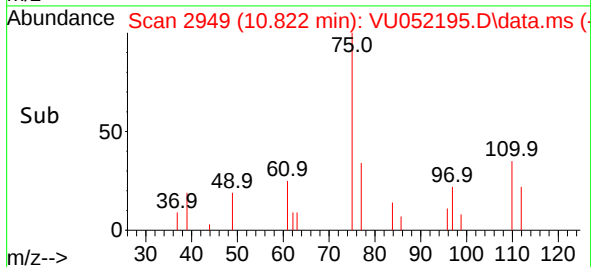
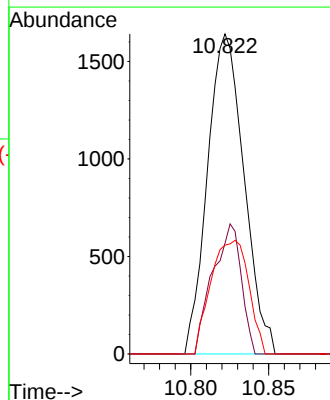
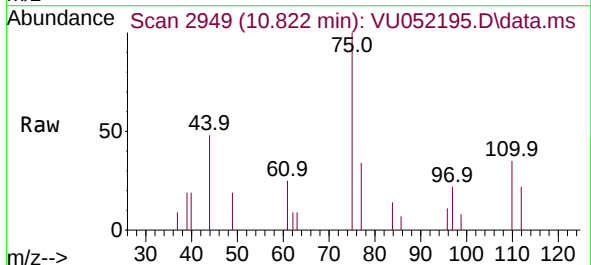
Instrument :
MSVOA_U
ClientSampleId :
MDL04

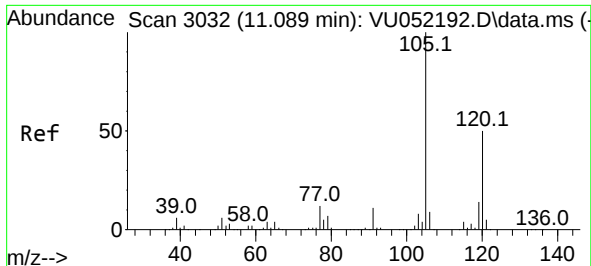
Tgt Ion:105 Resp: 10196
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.6
77 14.8 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 0.292 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion: 75 Resp: 2670
Ion Ratio Lower Upper
75 100
110 31.8 28.3 42.5
77 36.7 26.2 39.2





#62

1,3,5-Trimethylbenzene

Concen: 0.191 ug/L

RT: 11.086 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

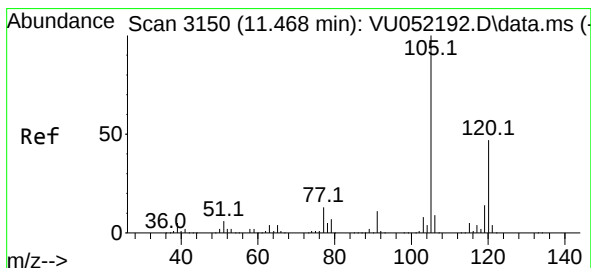
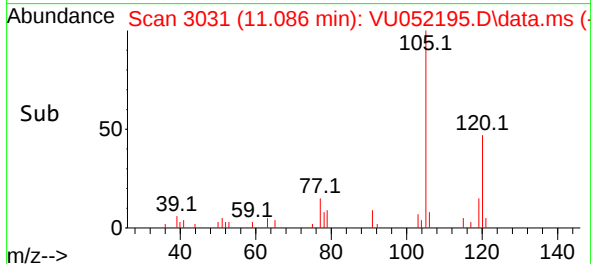
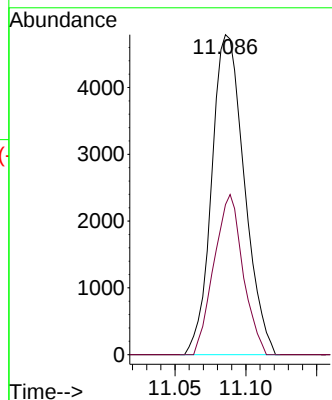
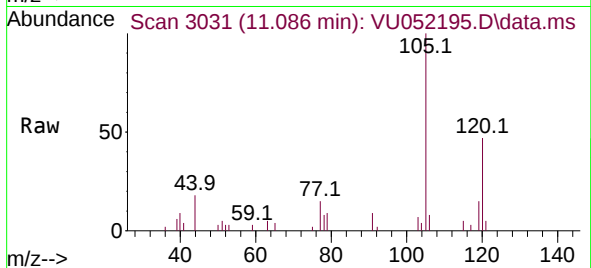
MDL04

Tgt Ion:105 Resp: 7675

Ion Ratio Lower Upper

105 100

120 44.3 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 0.180 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU052195.D

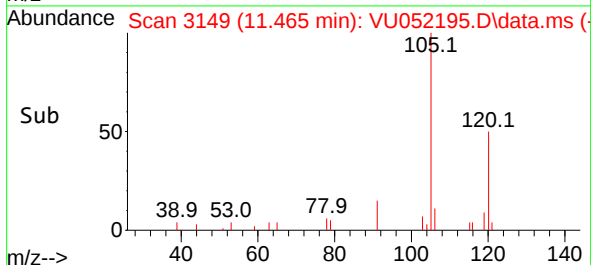
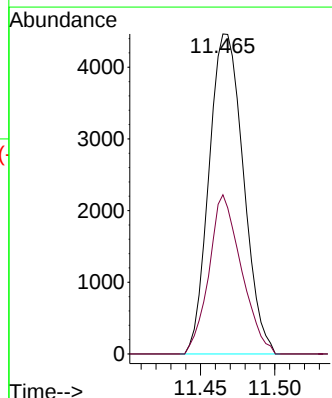
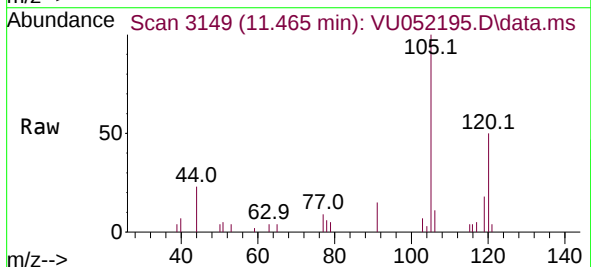
Acq: 07 Dec 2022 12:33

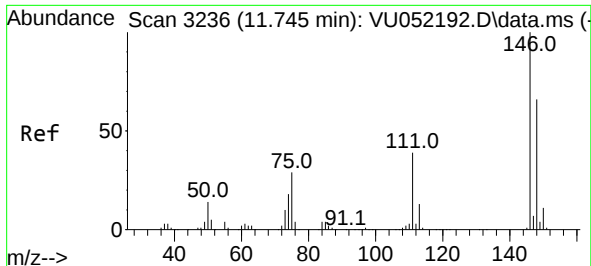
Tgt Ion:105 Resp: 7178

Ion Ratio Lower Upper

105 100

120 46.9 36.6 55.0

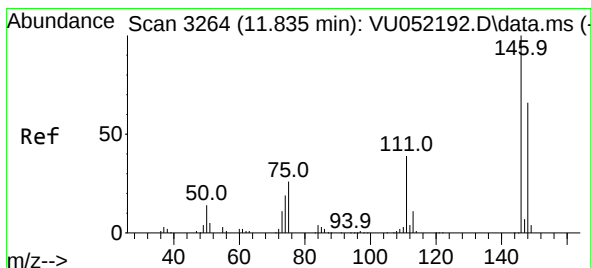
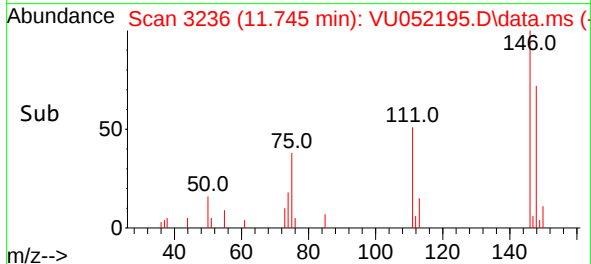
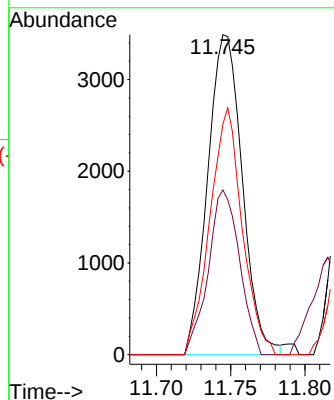
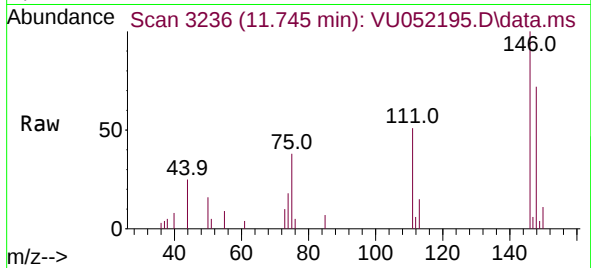




#64
1,3-Dichlorobenzene
Concen: 0.221 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

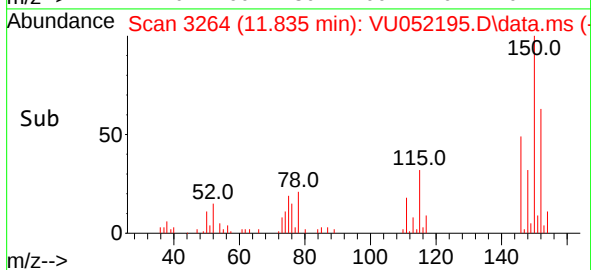
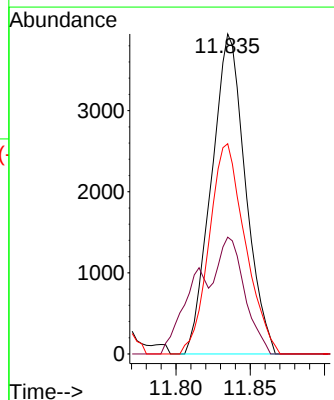
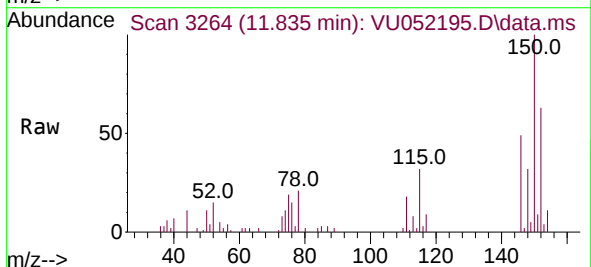
Instrument :
MSVOA_U
ClientSampleId :
MDL04

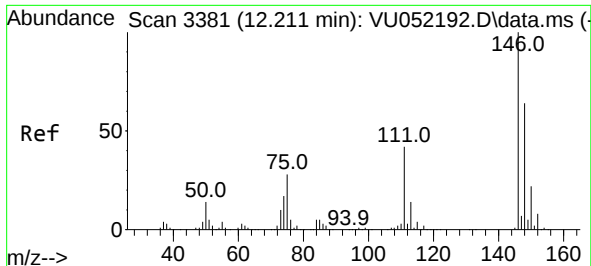
Tgt Ion:146 Resp: 5650
Ion Ratio Lower Upper
146 100
111 51.4 28.6 53.2
148 72.1 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 0.246 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU052195.D
Acq: 07 Dec 2022 12:33

Tgt Ion:146 Resp: 6282
Ion Ratio Lower Upper
146 100
111 36.5 26.9 50.1
148 65.7 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 0.274 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

MDL04

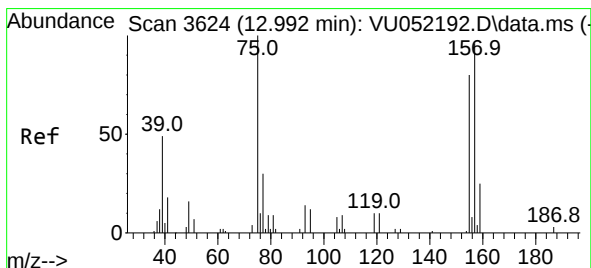
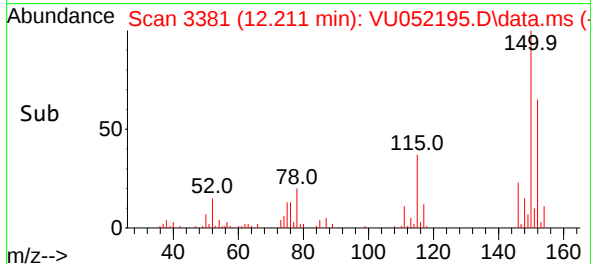
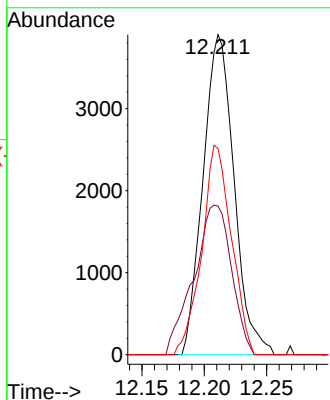
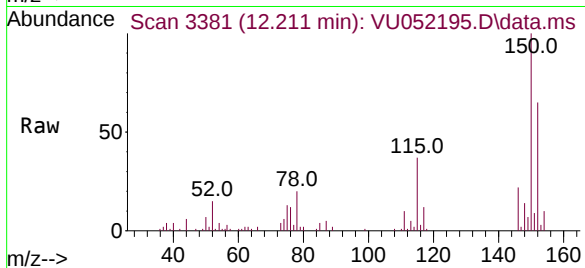
Tgt Ion:146 Resp: 6761

Ion Ratio Lower Upper

146 100

111 46.4 32.7 49.1

148 64.3 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 0.227 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.006 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

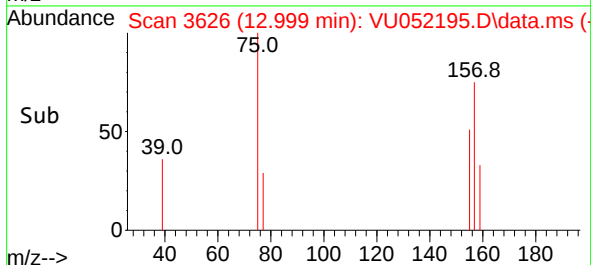
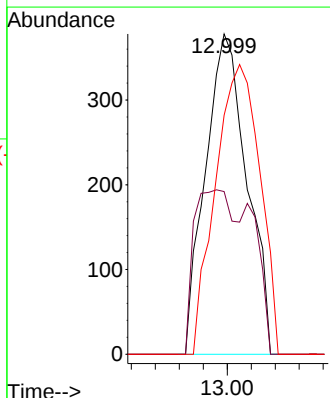
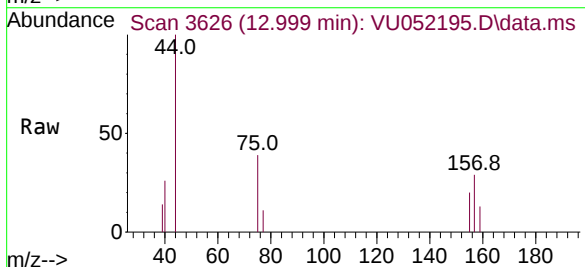
Tgt Ion: 75 Resp: 454

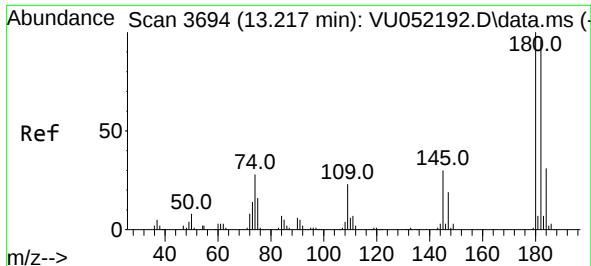
Ion Ratio Lower Upper

75 100

155 50.8 65.4 98.2#

157 74.6 80.5 120.7#





#69

1,3,5-Trichlorobenzene

Concen: 0.229 ug/L

RT: 13.224 min Scan# 3696

Delta R.T. 0.006 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion:180 Resp: 4155

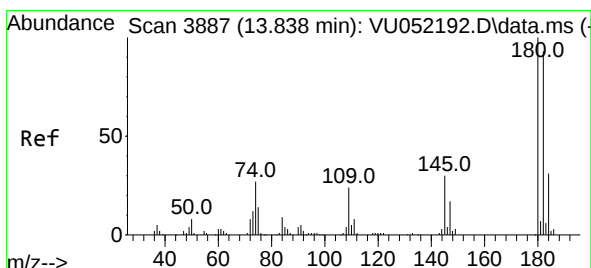
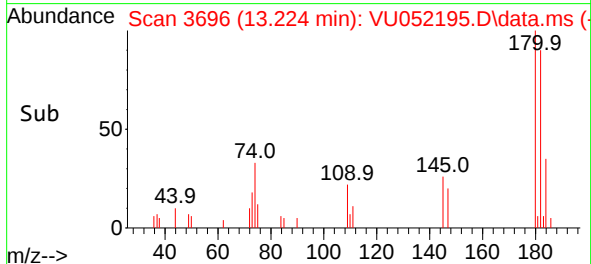
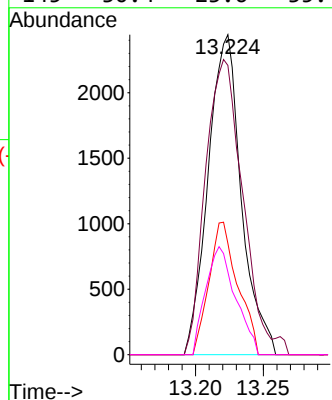
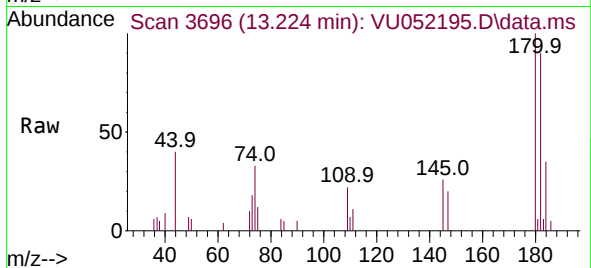
Ion Ratio Lower Upper

180 100

182 104.0 75.7 113.5

184 35.9 24.3 36.5

145 30.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 0.244 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

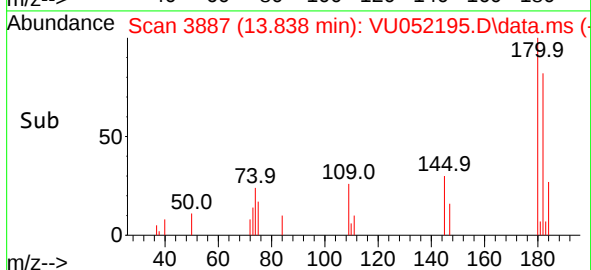
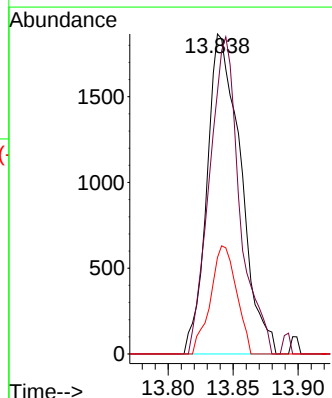
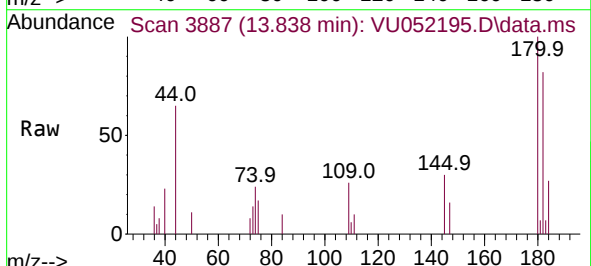
Tgt Ion:180 Resp: 3367

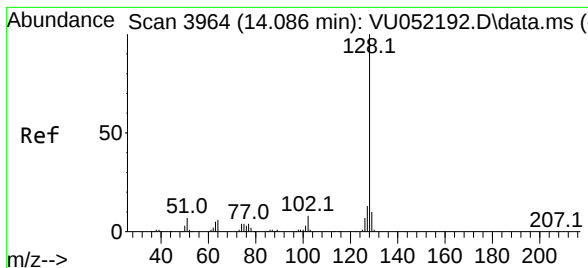
Ion Ratio Lower Upper

180 100

182 88.7 76.3 114.5

145 26.0 24.6 36.8





#71

Naphthalene

Concen: 0.176 ug/L

RT: 14.098 min Scan# 3968

Delta R.T. 0.013 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Instrument :

MSVOA_U

ClientSampleId :

MDL04

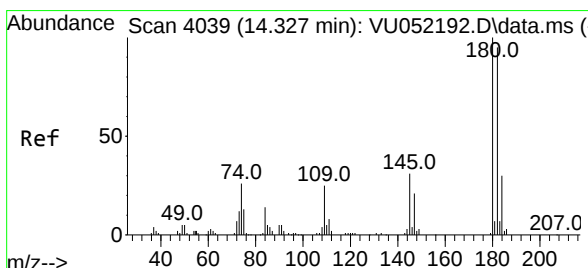
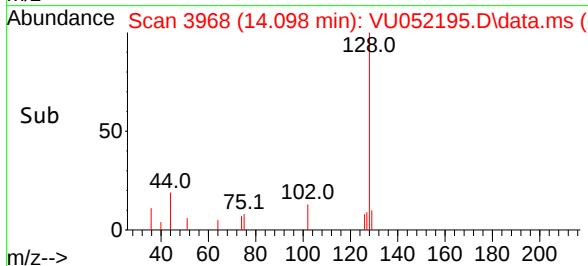
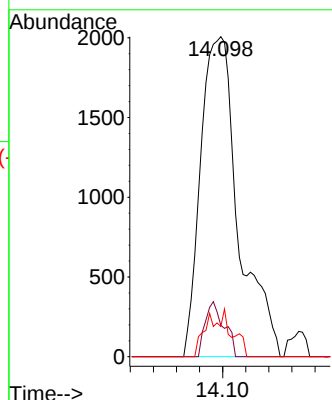
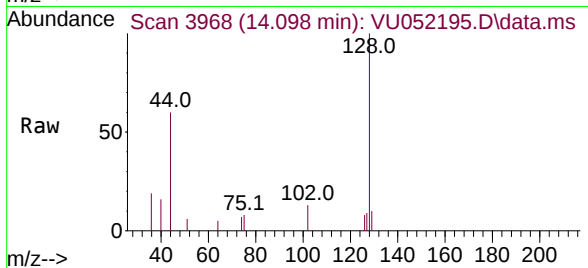
Tgt Ion:128 Resp: 4565

Ion Ratio Lower Upper

128 100

129 0.0 8.3 12.5#

127 1.0 10.2 15.4#



#72

1,2,3-Trichlorobenzene

Concen: 0.208 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU052195.D

Acq: 07 Dec 2022 12:33

Tgt Ion:180 Resp: 2824

Ion Ratio Lower Upper

180 100

182 98.4 75.7 113.5

145 32.8 24.5 36.7

