

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100722\
 Data File : VU051216.D
 Acq On : 07 Oct 2022 12:50
 Operator : JC/MD
 Sample : VSTD01059
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010059

Quant Time: Oct 08 00:25:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 08 00:22:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	254584	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	259550	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	131876	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	195291	9.575	ug/L	0.00
7) Chloroethane-d5	1.909	69	159939	9.381	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	75682	8.476	ug/L	0.00
20) 2-Butanone-d5	4.633	46	466913	67.885	ug/L	0.00
24) Chloroform-d	5.060	84	358823	8.120	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	176041	6.889	ug/L	0.00
32) Benzene-d6	5.726	84	712480	8.354	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	232661	7.952	ug/L	0.00
41) Toluene-d8	7.896	98	669699	8.908	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	81022	7.714	ug/L	0.00
46) 2-Hexanone-d5	8.632	63	321190	78.704	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	186308	7.610	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	213833	8.132	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	214950	8.598	ug/L	100
3) Chloromethane	1.520	50	282052	8.776	ug/L	98
5) Vinyl chloride	1.601	62	293205	10.725	ug/L	97
6) Bromomethane	1.855	94	163391	10.948	ug/L	100
8) Chloroethane	1.932	64	180609	11.181	ug/L	100
9) Trichlorofluoromethane	2.134	101	335756	10.187	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	198577	11.895	ug/L	99
12) 1,1-Dichloroethene	2.575	96	184975	11.017	ug/L	97
13) Acetone	2.652	43	354482	82.843	ug/L	99
14) Carbon disulfide	2.787	76	569131	10.988	ug/L	99
15) Methyl Acetate	2.954	43	92178	8.643	ug/L	100
16) Methylene chloride	3.041	84	234775	6.395	ug/L	98
17) Methyl tert-butyl Ether	3.366	73	463696	8.933	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	198421	10.326	ug/L	100
19) 1,1-Dichloroethane	3.867	63	410348	9.932	ug/L	99
21) 2-Butanone	4.713	43	611622	85.984	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	228391	10.375	ug/L	99
23) Bromochloromethane	4.973	128	104427	10.346	ug/L	98
25) Chloroform	5.086	83	416280	9.505	ug/L	100
27) 1,2-Dichloroethane	5.793	62	258757	8.778	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	324012	9.297	ug/L	99
30) Cyclohexane	5.388	56	310617	11.127	ug/L	98
31) Carbon tetrachloride	5.523	117	277436	9.794	ug/L	98
33) Benzene	5.771	78	937263	10.149	ug/L	100
34) Trichloroethene	6.539	95	223272	10.029	ug/L	97
35) Methylcyclohexane	6.761	83	318309	11.670	ug/L	97
37) 1,2-Dichloropropane	6.790	63	252108	9.639	ug/L	99
38) Bromodichloromethane	7.105	83	295419	9.100	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	311585	9.263	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	1507490	86.210	ug/L	99
42) Toluene	7.967	91	986948	10.674	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	278739	9.500	ug/L	98

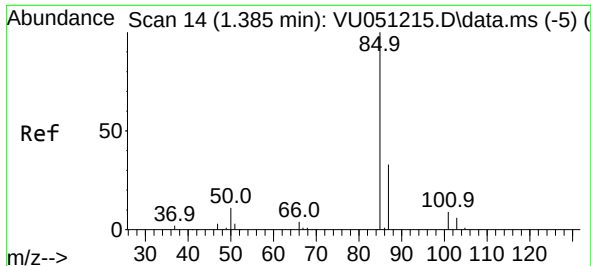
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100722\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	174751	9.333	ug/L	98
47) Tetrachloroethene	8.552	164	158062	10.335	ug/L	99
48) 2-Hexanone	8.684	43	1122719	85.854	ug/L	99
49) Dibromochloromethane	8.809	129	196615	9.483	ug/L	100
50) 1,2-Dibromoethane	8.922	107	160537	9.704	ug/L	98
51) Chlorobenzene	9.446	112	582350	9.910	ug/L	99
52) Ethylbenzene	9.568	91	965807	10.398	ug/L	99
53) m,p-Xylene	9.694	106	375951	10.875	ug/L	98
54) o-Xylene	10.099	106	364868	10.779	ug/L	100
55) Styrene	10.112	104	646363	11.145	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	216554	9.066	ug/L	98
59) Bromoform	10.288	173	105218	9.355	ug/L	99
60) Isopropylbenzene	10.485	105	934807	10.972	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	163860	9.542	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	232575	3.743	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	742984	10.859	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	423017	9.969	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	415263	9.863	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	409811	9.756	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	34169	9.054	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	285258	9.201	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	220375	8.628	ug/L	98
71) Naphthalene	14.086	128	434629	8.798	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	233470	9.444	ug/L	99

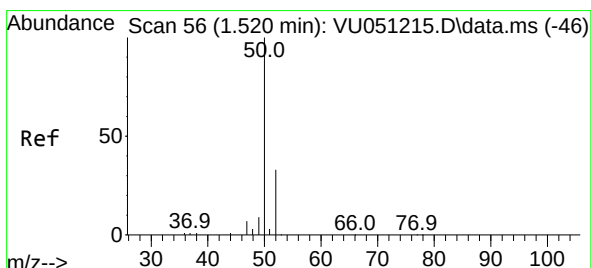
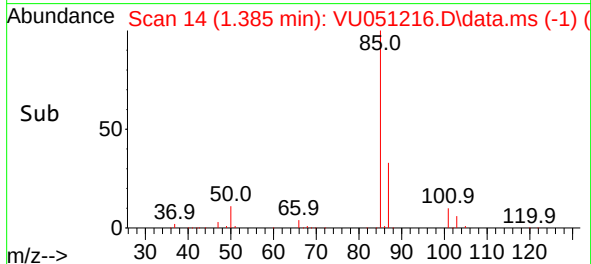
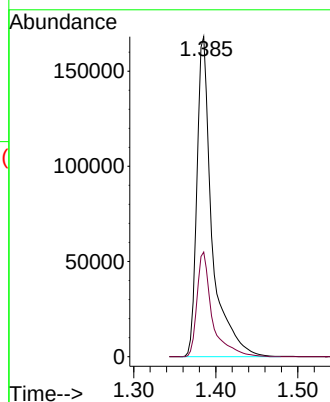
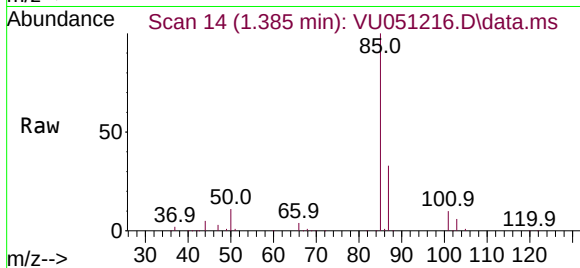
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 8.598 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

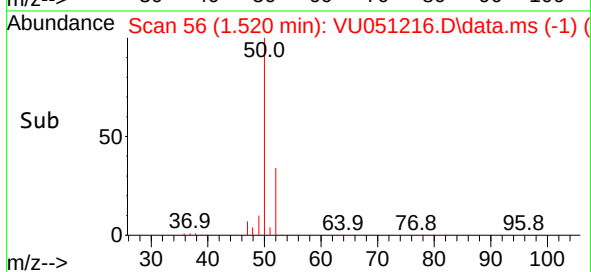
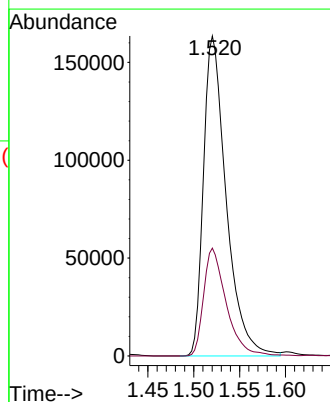
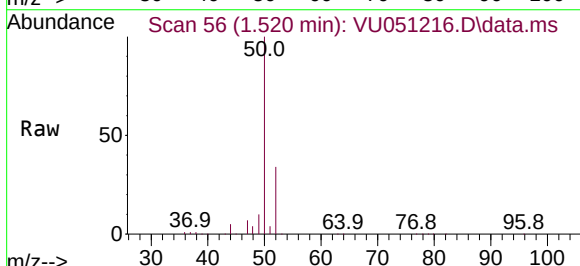
Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

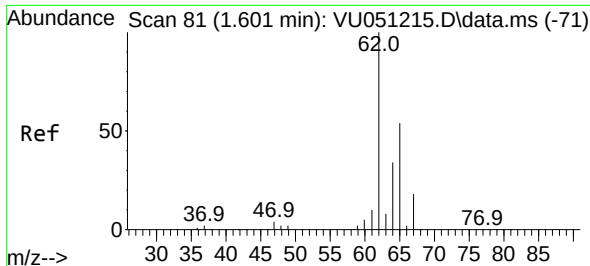
Tgt Ion: 85 Resp: 214950
Ion Ratio Lower Upper
85 100
87 32.9 26.2 39.4



#3
Chloromethane
Concen: 8.776 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 50 Resp: 282052
Ion Ratio Lower Upper
50 100
52 33.7 22.9 42.5

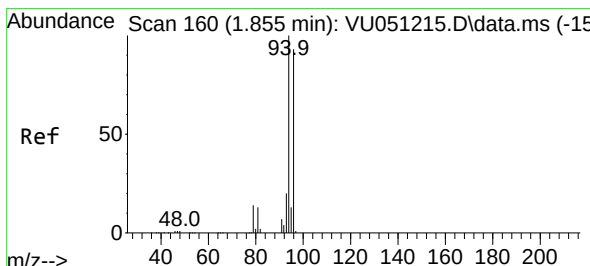
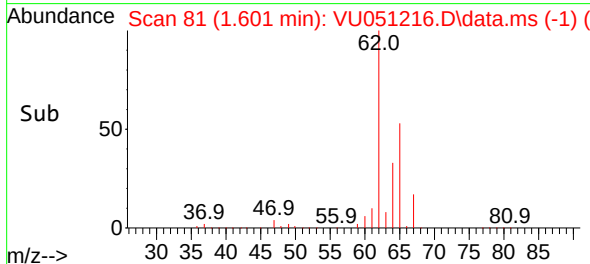
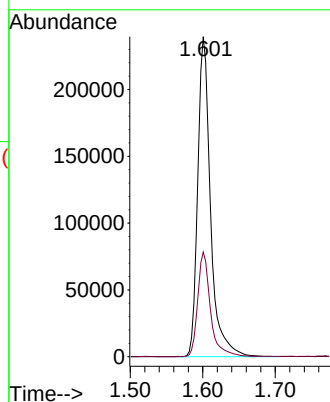
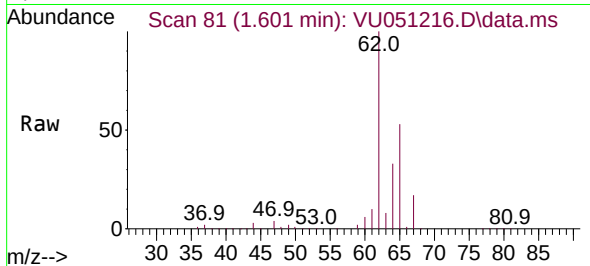




#5
 Vinyl chloride
 Concen: 10.725 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

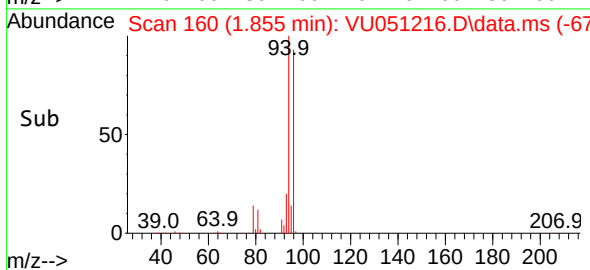
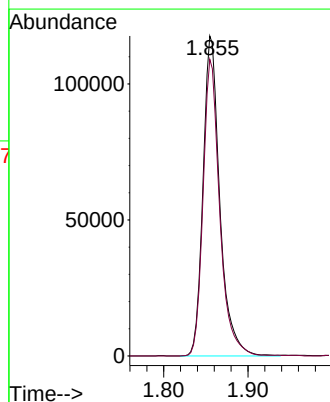
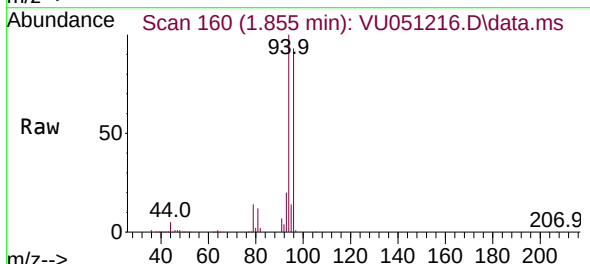
Instrument :
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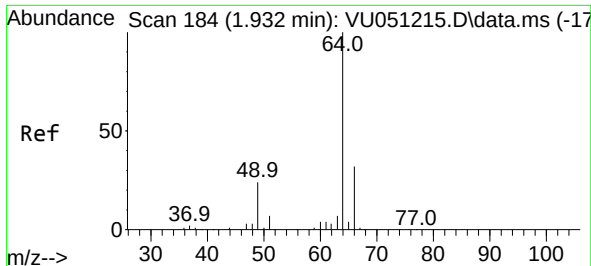
Tgt Ion: 62 Resp: 293205
 Ion Ratio Lower Upper
 62 100
 64 32.7 24.0 44.6



#6
 Bromomethane
 Concen: 10.948 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

Tgt Ion: 94 Resp: 163391
 Ion Ratio Lower Upper
 94 100
 96 92.7 64.9 120.5

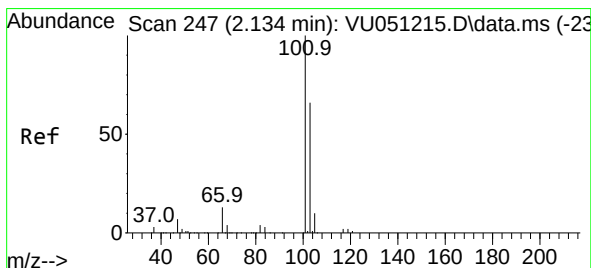
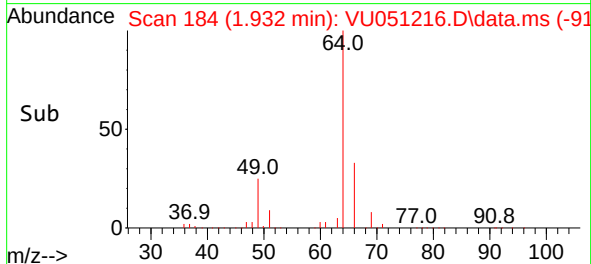
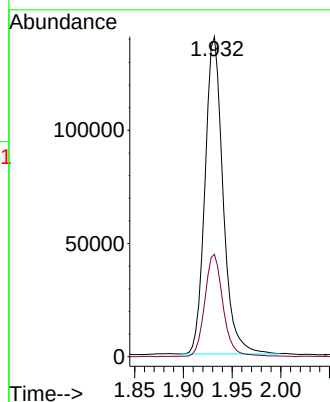
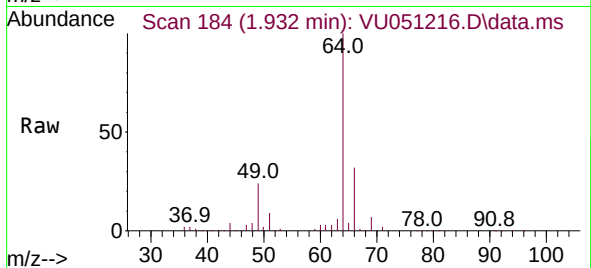




#8
Chloroethane
Concen: 11.181 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

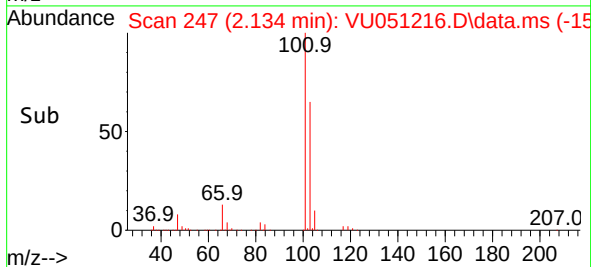
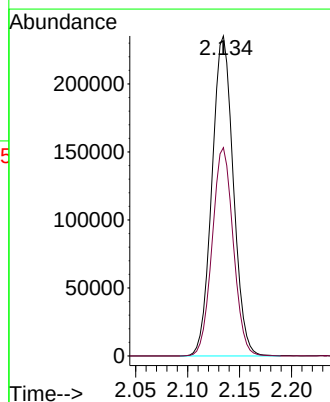
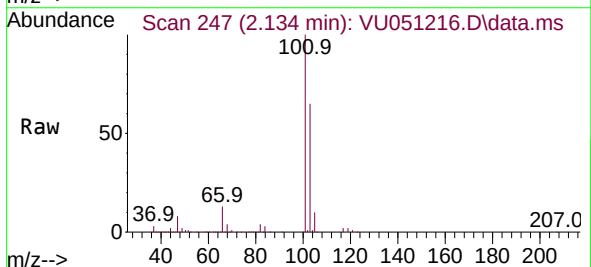
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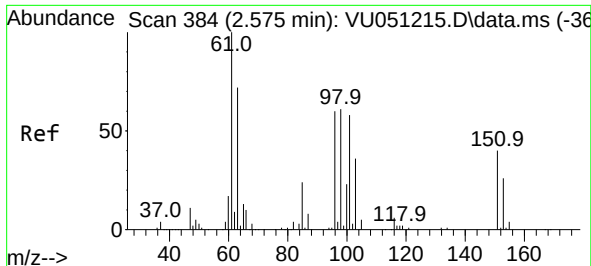
Tgt Ion: 64 Resp: 180609
Ion Ratio Lower Upper
64 100
66 32.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 10.187 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion:101 Resp: 335756
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.2

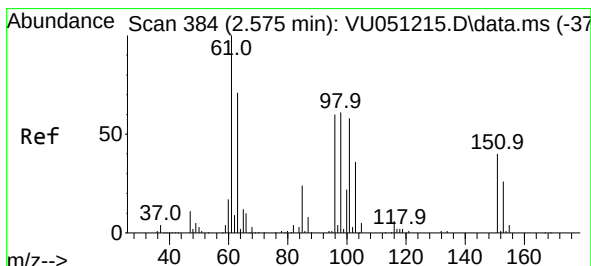
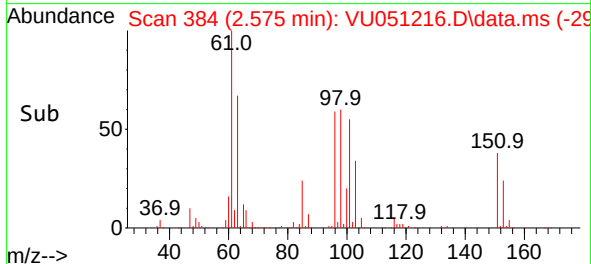
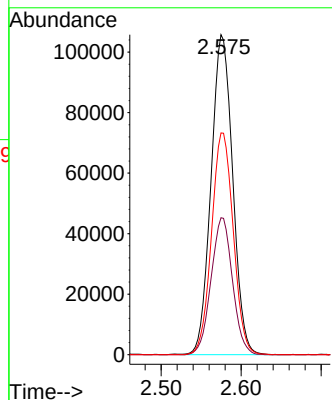
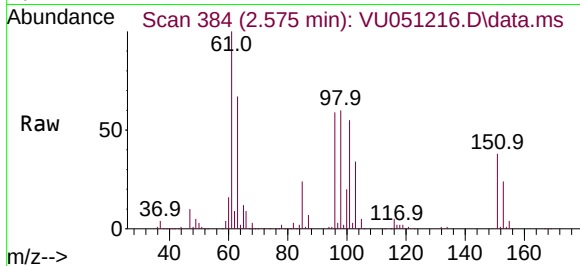




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.895 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

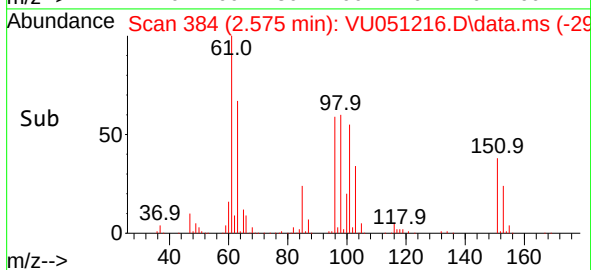
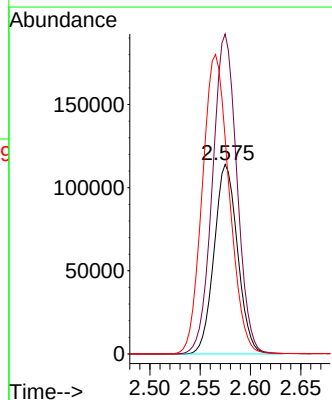
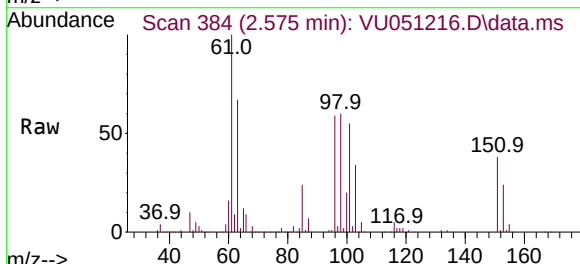
Instrument :
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 ClientSampleId :
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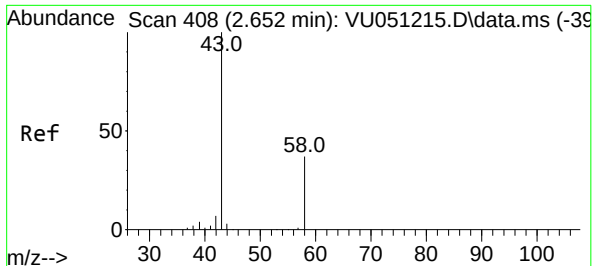
Tgt Ion:101 Resp: 198577
 Ion Ratio Lower Upper
 101 100
 85 42.3 34.6 51.8
 151 69.7 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 11.017 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

Tgt Ion: 96 Resp: 184975
 Ion Ratio Lower Upper
 96 100
 61 168.8 117.6 218.4
 63 113.8 85.2 158.2





#13

Acetone

Concen: 82.843 ug/L

RT: 2.652 min Scan# 408

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

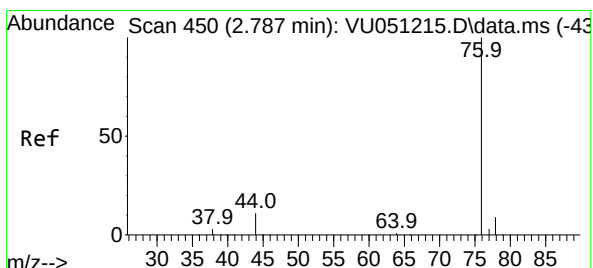
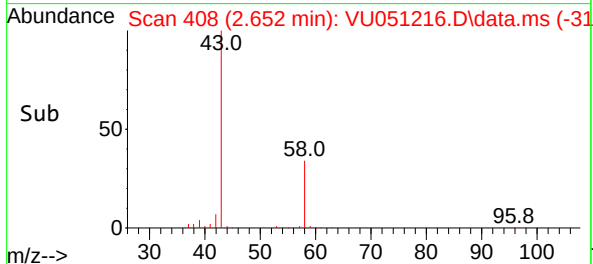
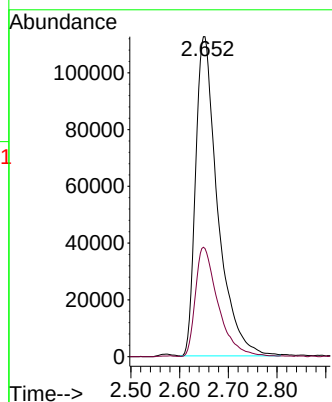
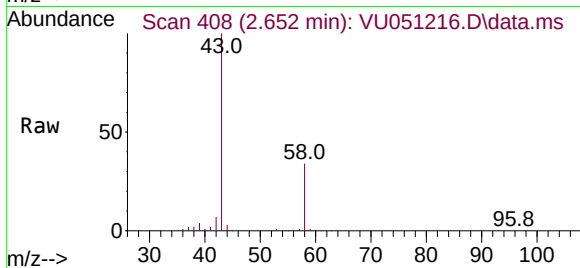
VSTD010059

Tgt Ion: 43 Resp: 354482

Ion Ratio Lower Upper

43 100

58 34.9 0.0 68.8



#14

Carbon disulfide

Concen: 10.988 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU051216.D

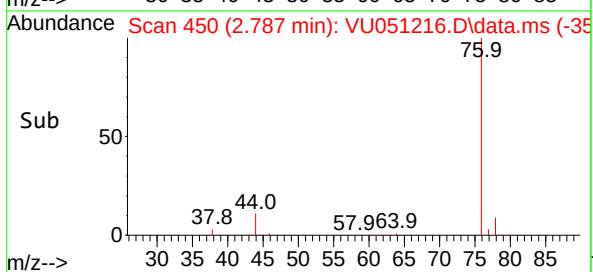
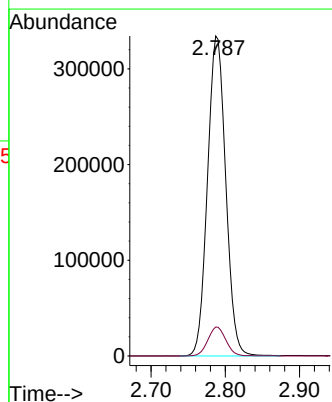
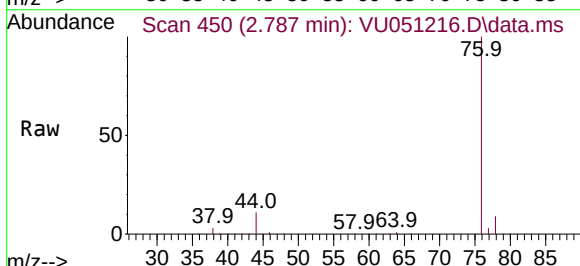
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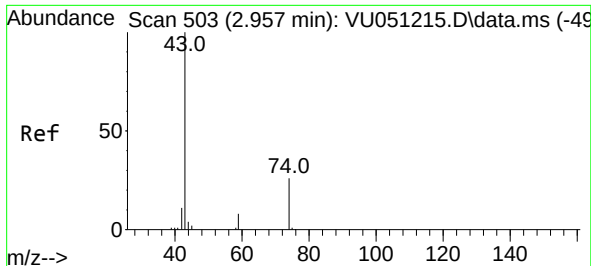
Tgt Ion: 76 Resp: 569131

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

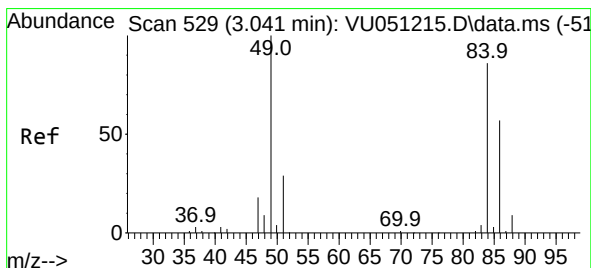
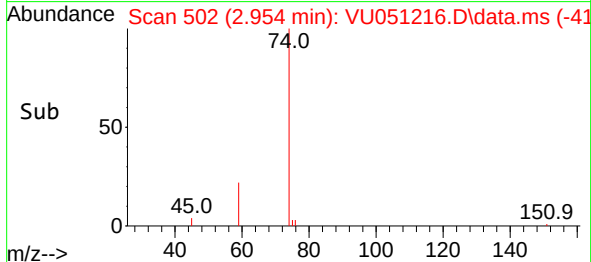
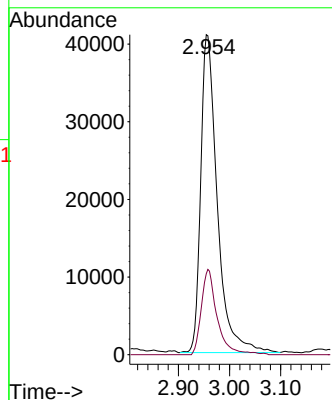
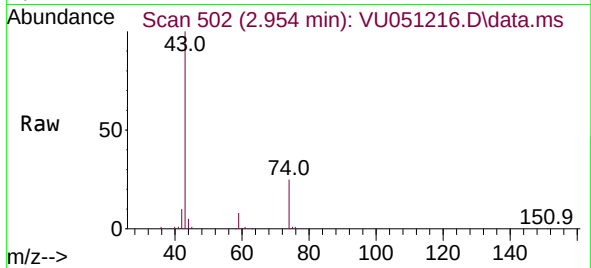




#15
Methyl Acetate
Concen: 8.643 ug/L
RT: 2.954 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

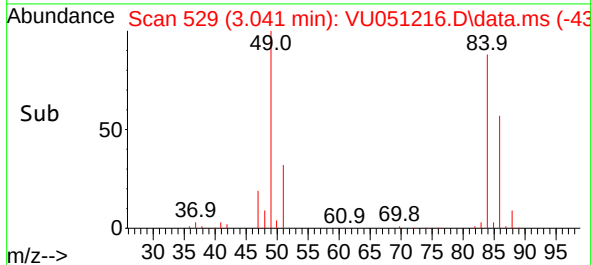
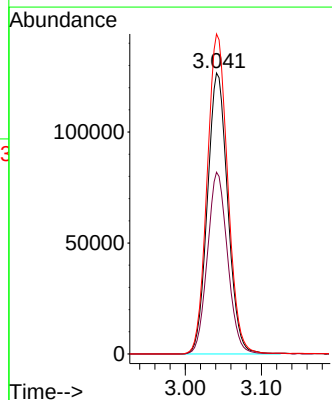
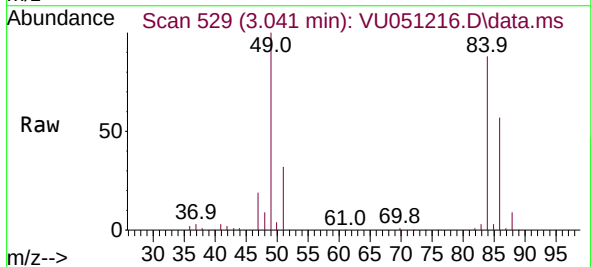
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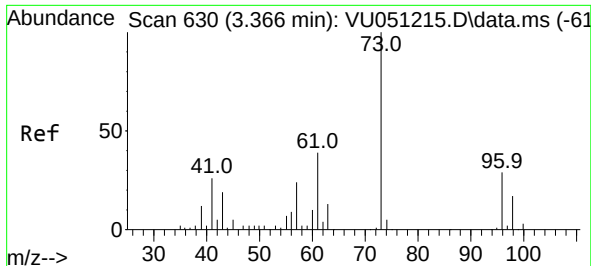
Tgt Ion: 43 Resp: 92178
Ion Ratio Lower Upper
43 100
74 25.2 20.0 30.0



#16
Methylene chloride
Concen: 6.395 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 84 Resp: 234775
Ion Ratio Lower Upper
84 100
86 64.7 46.5 86.3
49 113.9 81.3 151.1

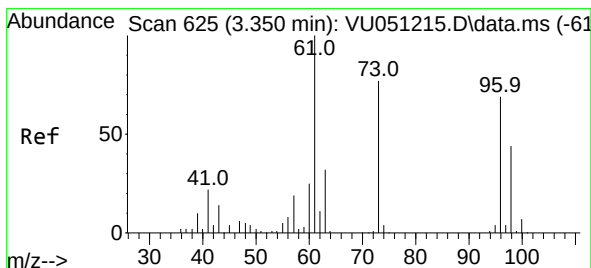
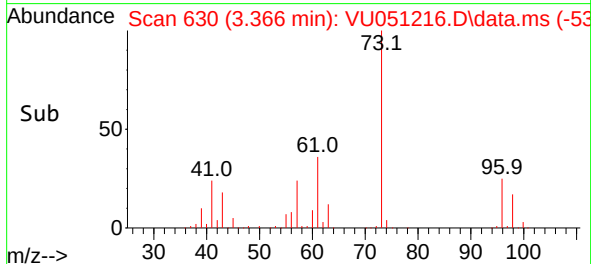
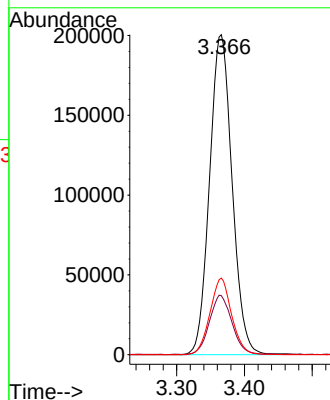
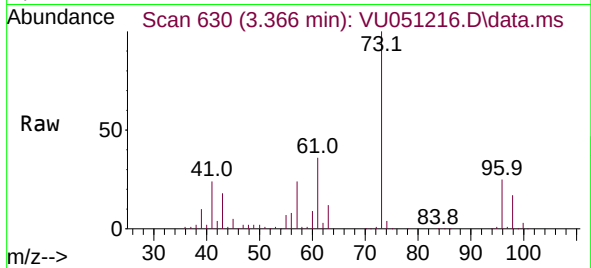




#17
Methyl tert-butyl Ether
Concen: 8.933 ug/L
RT: 3.366 min Scan# 617
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

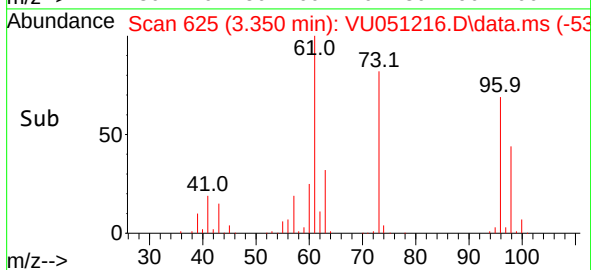
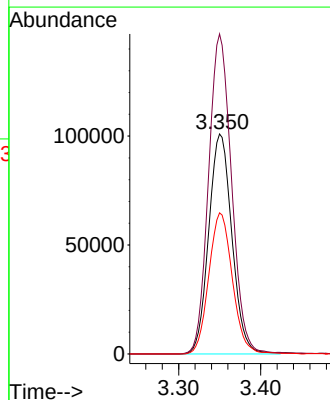
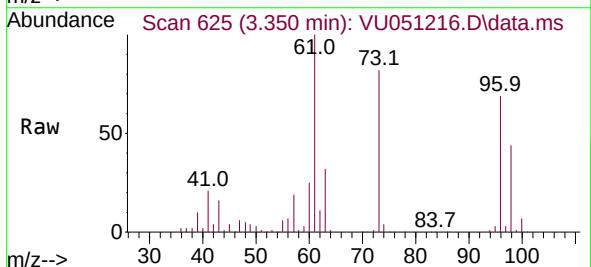
Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

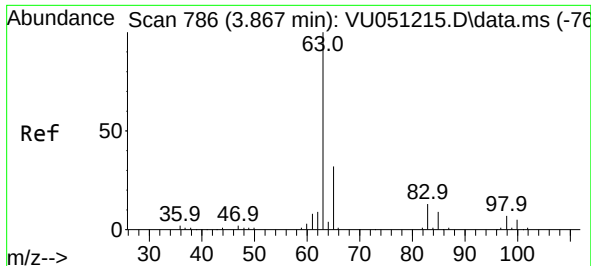
Tgt Ion: 73 Resp: 463696
Ion Ratio Lower Upper
73 100
43 18.3 15.4 23.0
57 23.0 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 10.326 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 96 Resp: 198421
Ion Ratio Lower Upper
96 100
61 145.5 101.4 188.2
98 64.1 44.9 83.5

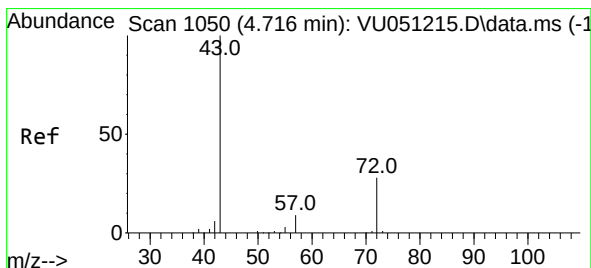
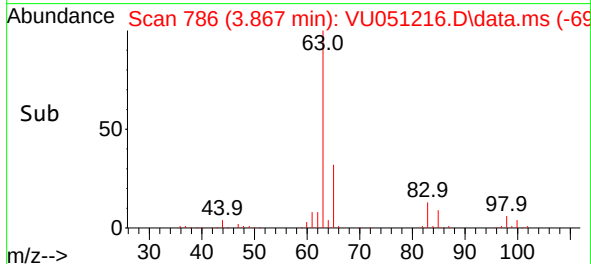
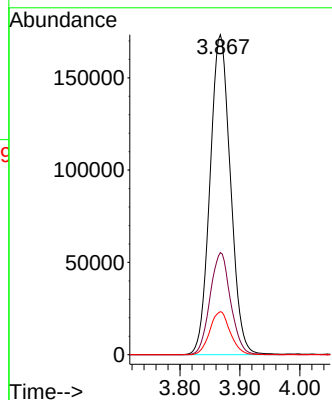
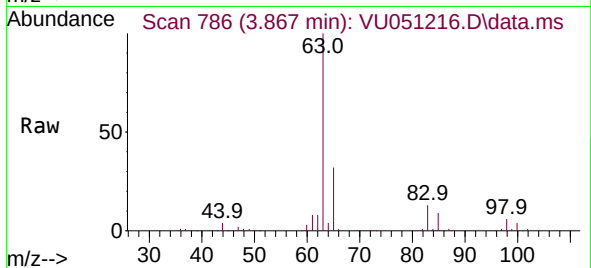




#19
1,1-Dichloroethane
Concen: 9.932 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

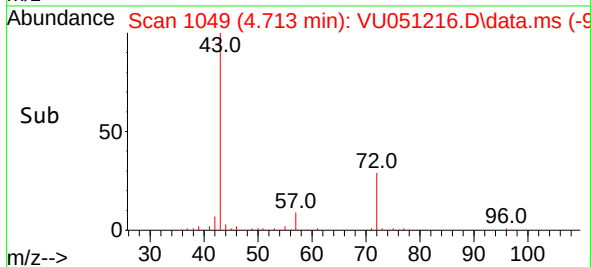
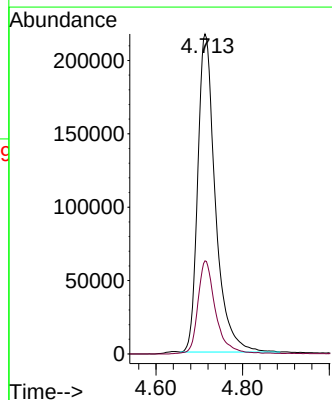
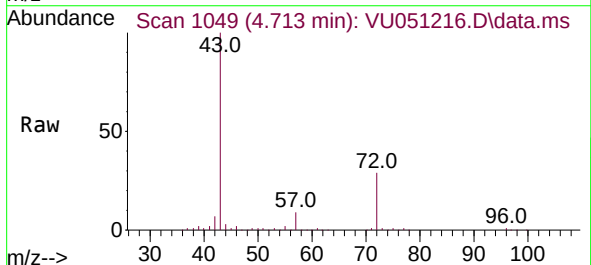
Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

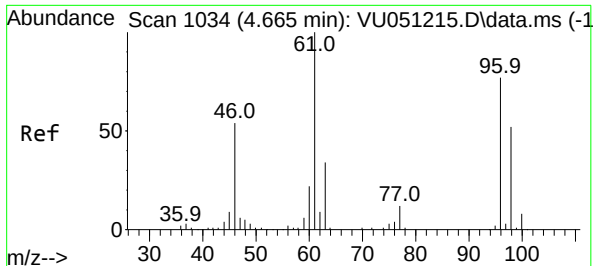
Tgt Ion: 63 Resp: 410348
Ion Ratio Lower Upper
63 100
65 31.9 22.0 41.0
83 13.4 9.0 16.6



#21
2-Butanone
Concen: 85.984 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.003 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 43 Resp: 611622
Ion Ratio Lower Upper
43 100
72 29.3 13.8 41.4



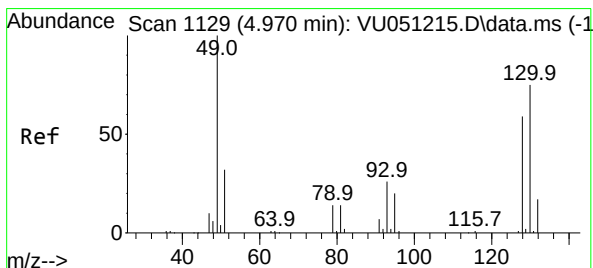
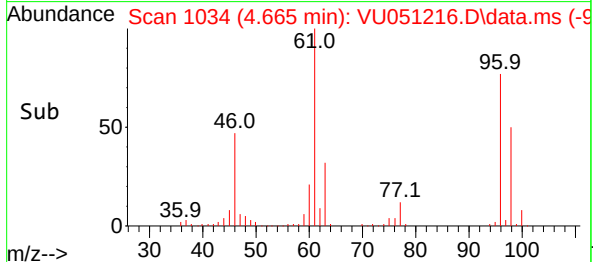
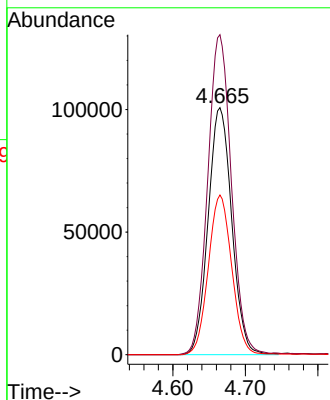
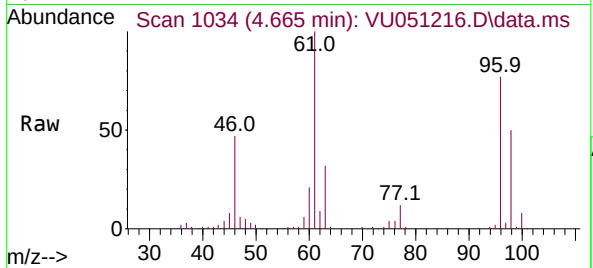


#22
 cis-1,2-Dichloroethene
 Concen: 10.375 ug/L
 RT: 4.665 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010059

Tgt Ion: 96 Resp: 228391

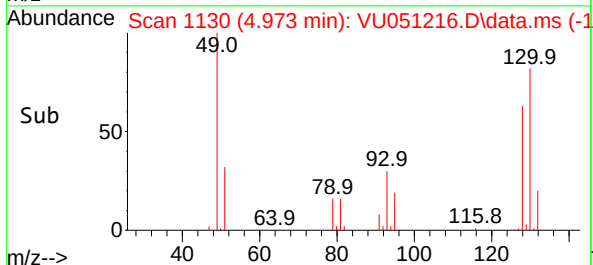
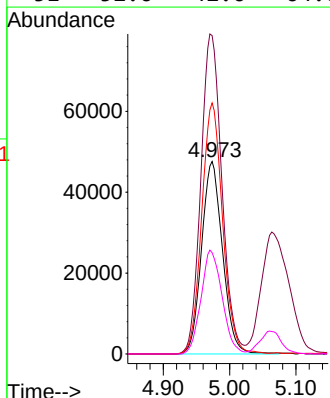
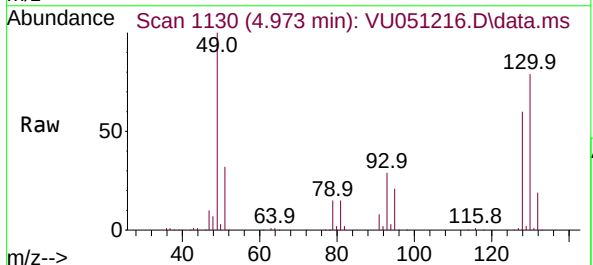
Ion	Ratio	Lower	Upper
96	100		
61	129.6	90.6	168.2
98	64.7	47.5	88.3

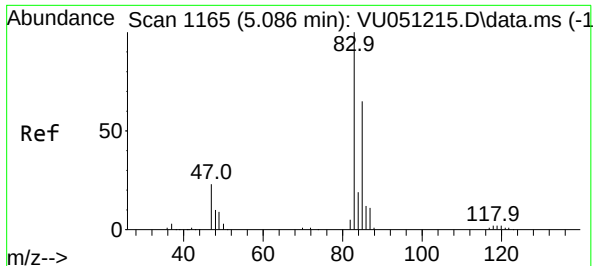


#23
 Bromochloromethane
 Concen: 10.346 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.003 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

Tgt Ion: 128 Resp: 104427

Ion	Ratio	Lower	Upper
128	100		
49	165.4	118.0	219.2
130	130.4	88.8	164.8
51	52.6	42.6	64.0





#25

Chloroform

Concen: 9.505 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

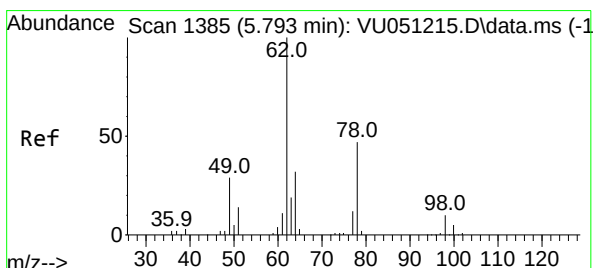
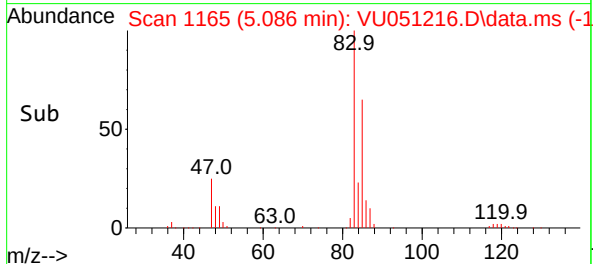
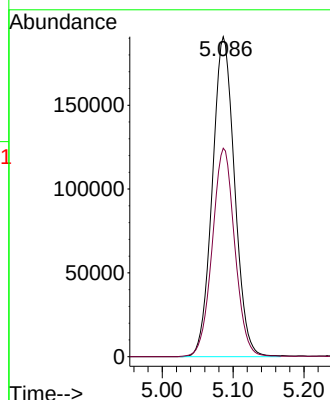
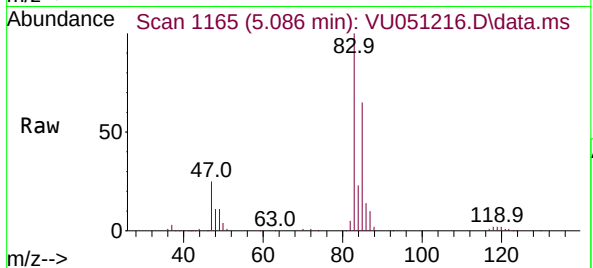
VSTD010059

Tgt Ion: 83 Resp: 416280

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.6



#27

1,2-Dichloroethane

Concen: 8.778 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051216.D

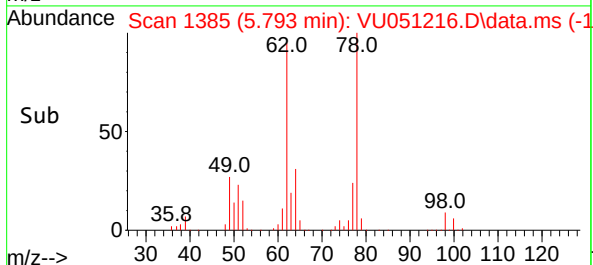
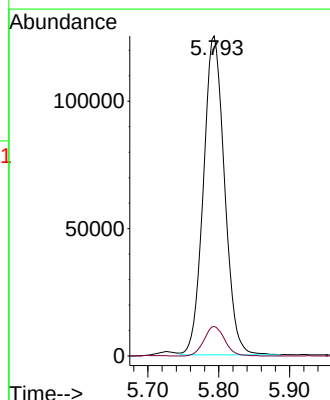
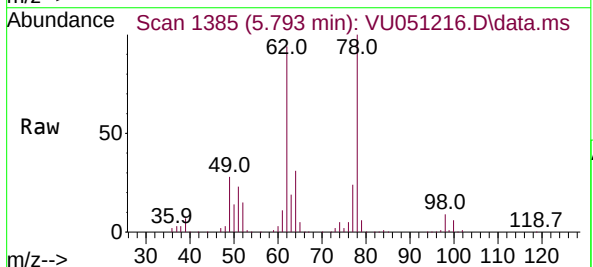
Acq: 07 Oct 2022 12:50

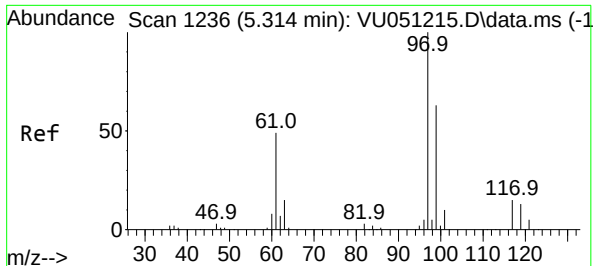
Tgt Ion: 62 Resp: 258757

Ion Ratio Lower Upper

62 100

98 9.2 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 9.297 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD010059

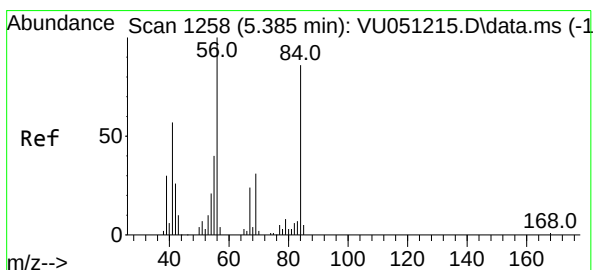
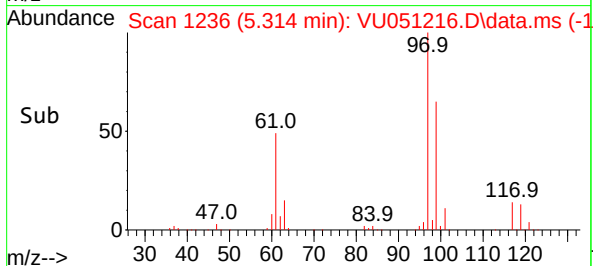
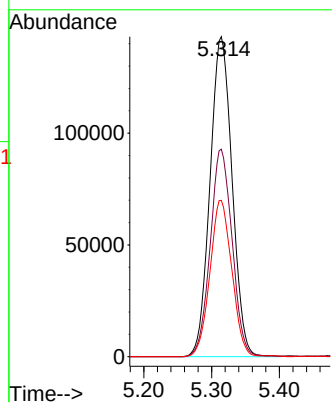
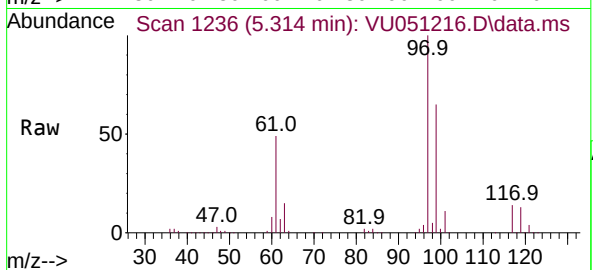
Tgt Ion: 97 Resp: 324012

Ion Ratio Lower Upper

97 100

99 64.4 50.2 75.4

61 48.4 38.7 58.1



#30

Cyclohexane

Concen: 11.127 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

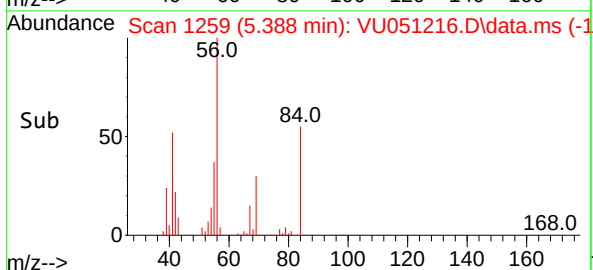
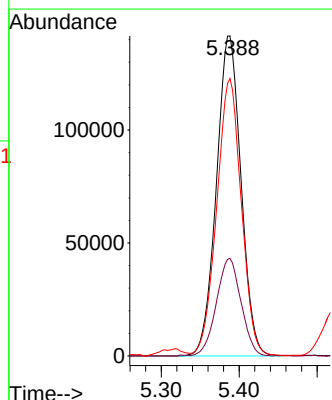
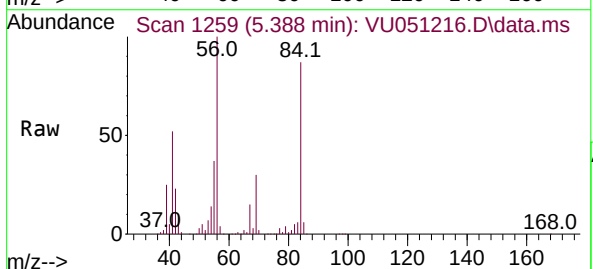
Tgt Ion: 56 Resp: 310617

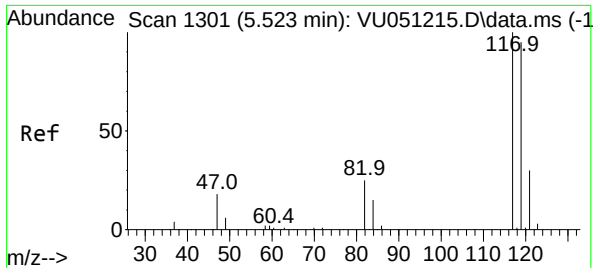
Ion Ratio Lower Upper

56 100

69 30.5 25.1 37.7

84 86.2 70.9 106.3

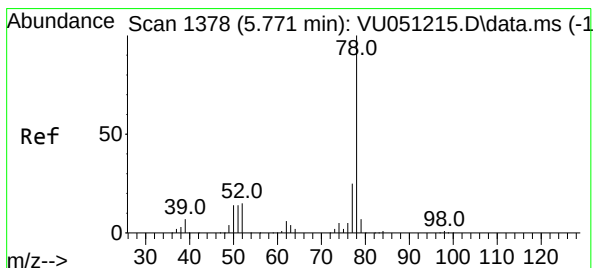
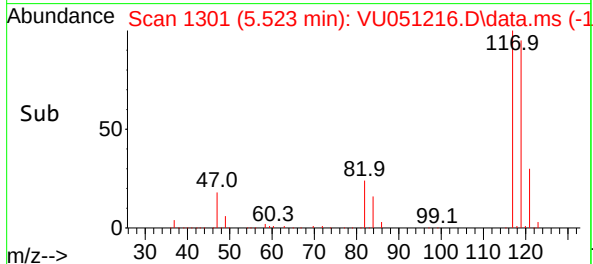
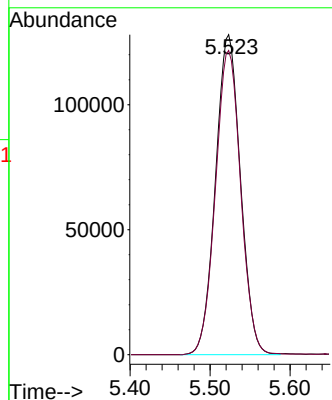
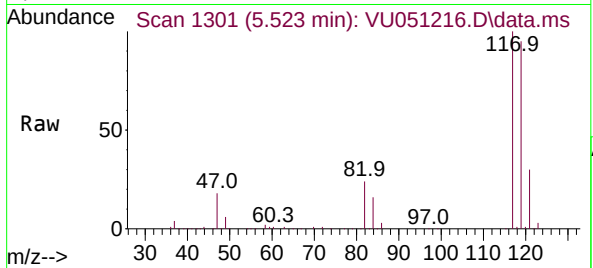




#31
Carbon tetrachloride
Concen: 9.794 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

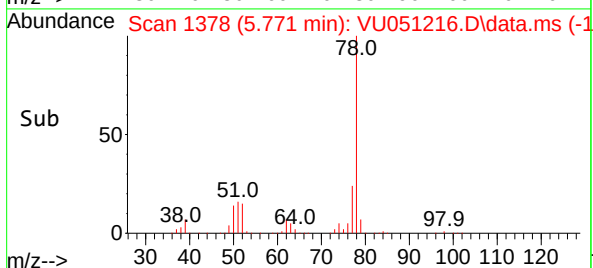
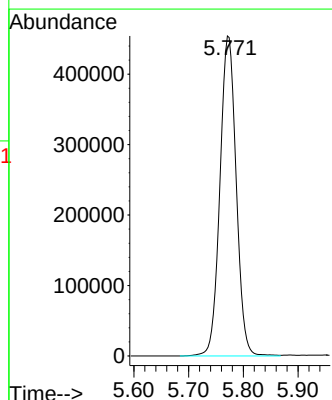
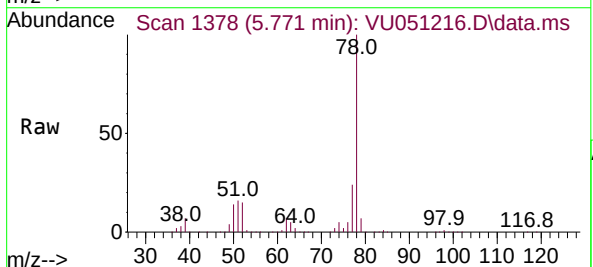
Instrument : MSVOA_U
ClientSampleId : VSTD010059

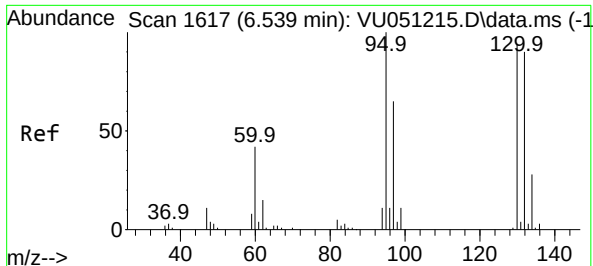
Tgt Ion:117 Resp: 277436
Ion Ratio Lower Upper
117 100
119 96.2 78.4 117.6



#33
Benzene
Concen: 10.149 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 78 Resp: 937263





#34

Trichloroethene

Concen: 10.029 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD010059

Tgt Ion: 95 Resp: 223272

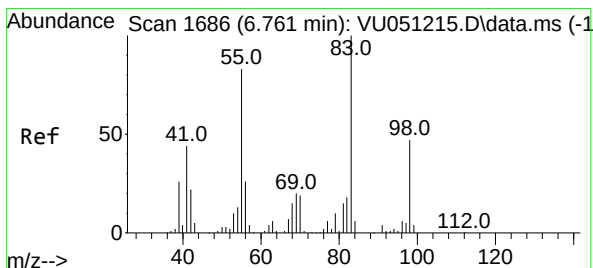
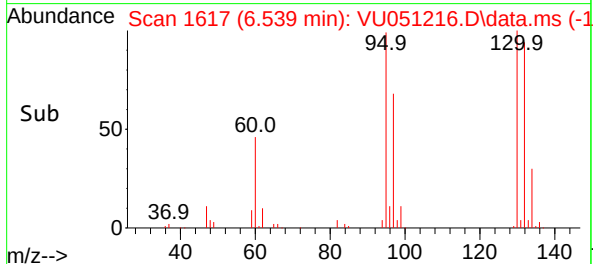
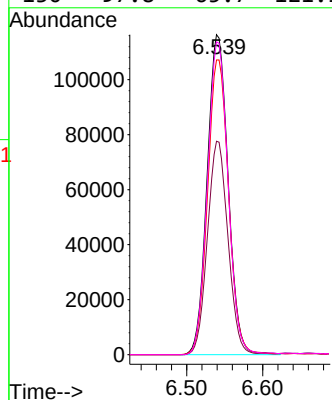
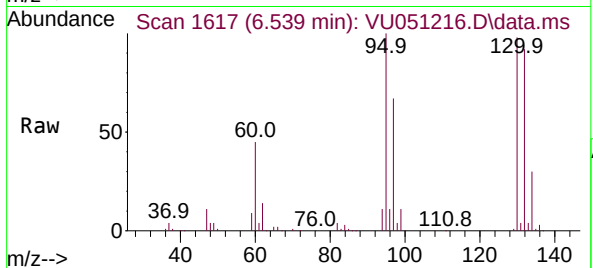
Ion Ratio Lower Upper

95 100

97 66.7 45.4 84.2

132 92.1 63.1 117.3

130 97.8 65.7 121.9



#35

Methylcyclohexane

Concen: 11.670 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

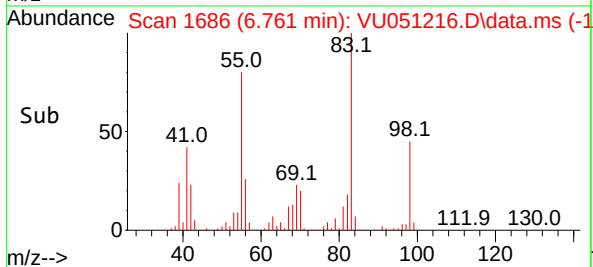
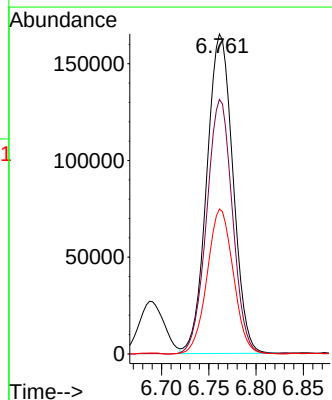
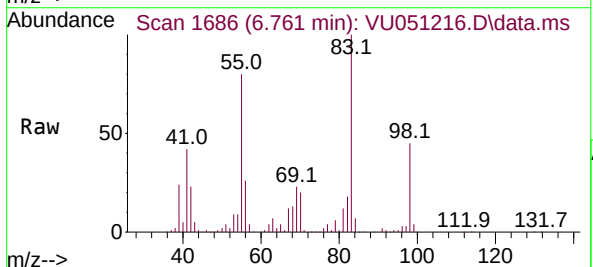
Tgt Ion: 83 Resp: 318309

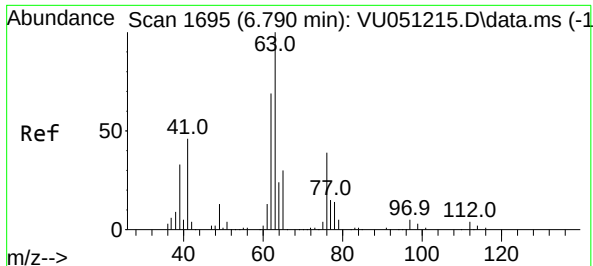
Ion Ratio Lower Upper

83 100

55 78.8 65.8 98.6

98 45.4 35.9 53.9

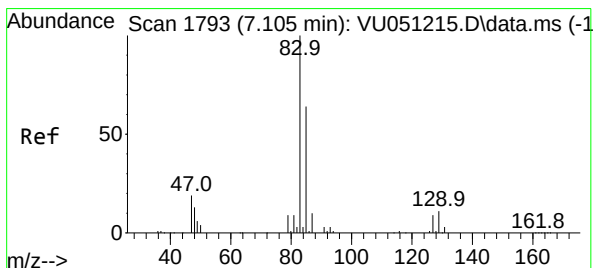
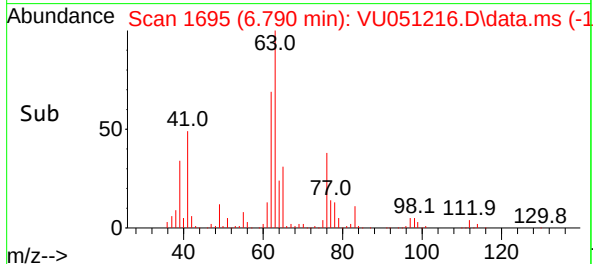
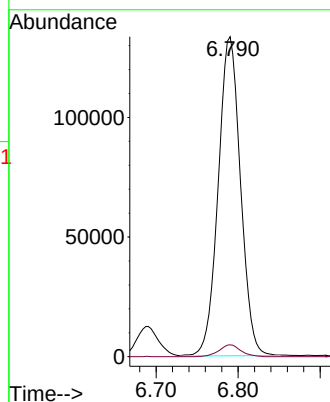
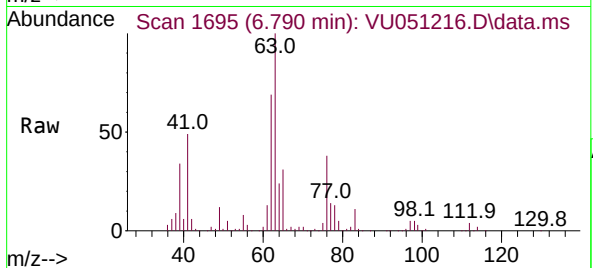




#37
1,2-Dichloropropane
Concen: 9.639 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

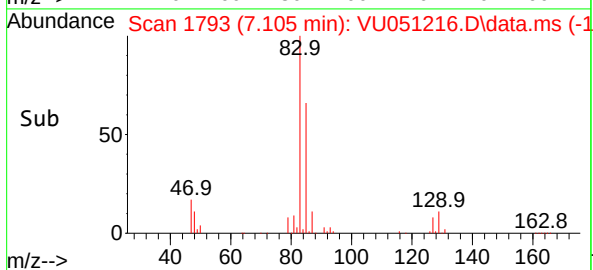
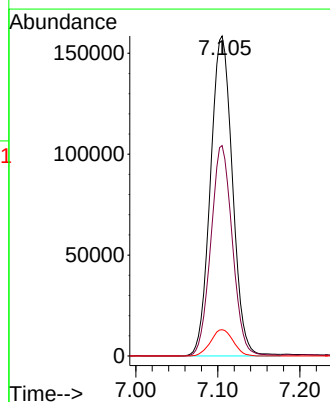
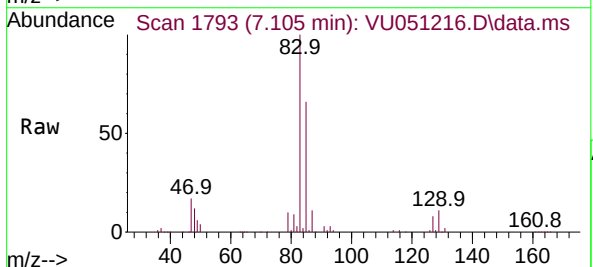
Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

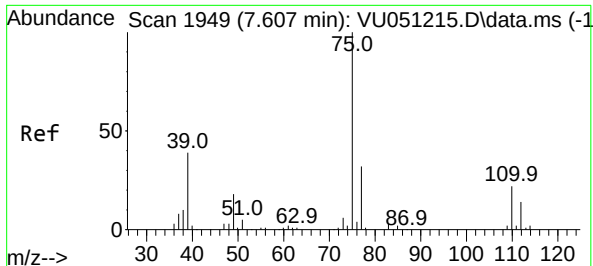
Tgt Ion: 63 Resp: 252108
Ion Ratio Lower Upper
63 100
112 3.6 3.2 4.8



#38
Bromodichloromethane
Concen: 9.100 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 83 Resp: 295419
Ion Ratio Lower Upper
83 100
85 65.8 44.8 83.2
127 8.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 9.263 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

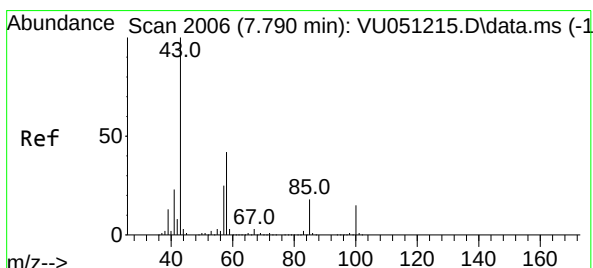
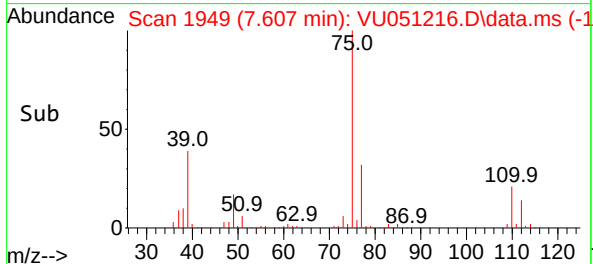
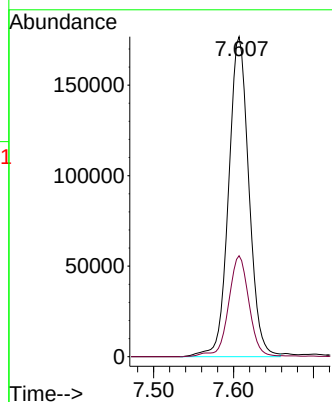
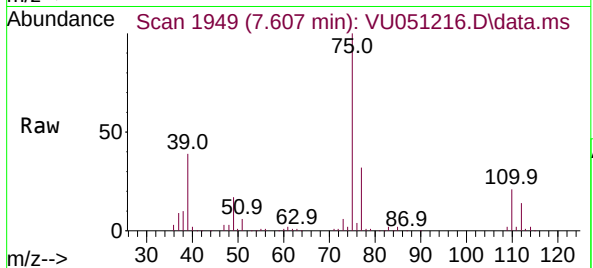
VSTD010059

Tgt Ion: 75 Resp: 311585

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 86.210 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

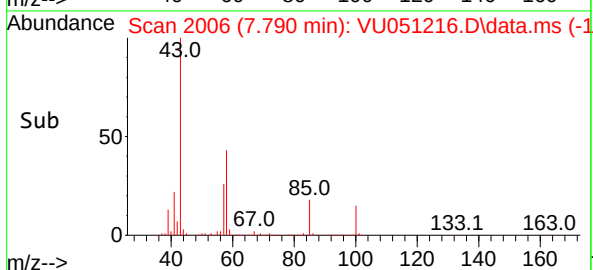
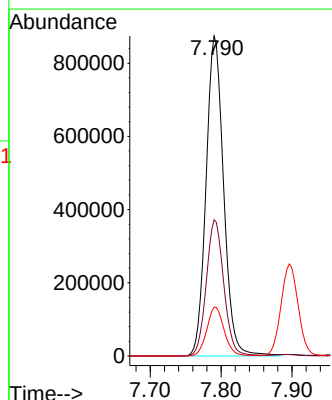
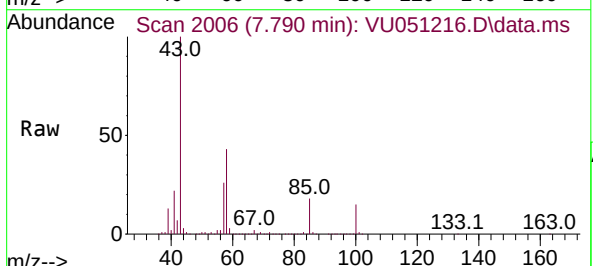
Tgt Ion: 43 Resp: 1507490

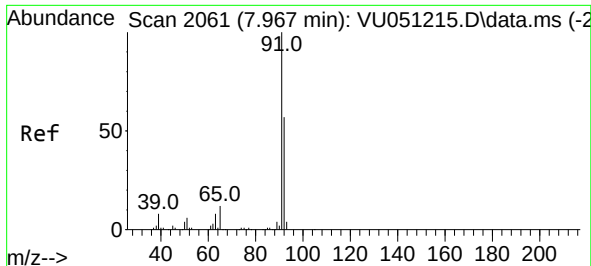
Ion Ratio Lower Upper

43 100

58 42.3 33.0 49.6

100 15.1 11.8 17.6





#42

Toluene

Concen: 10.674 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

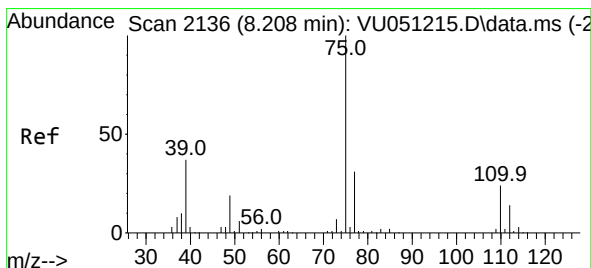
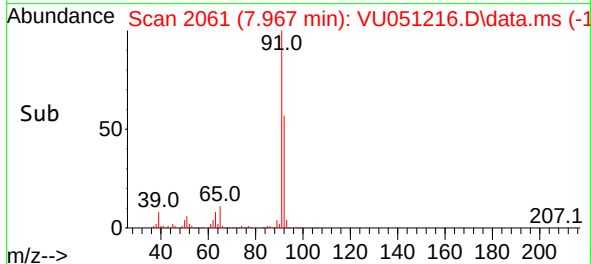
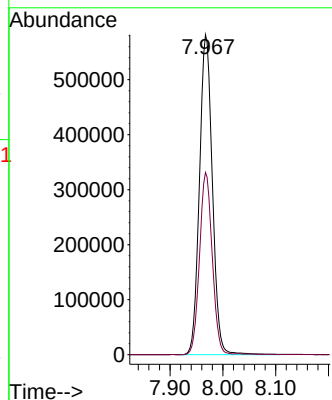
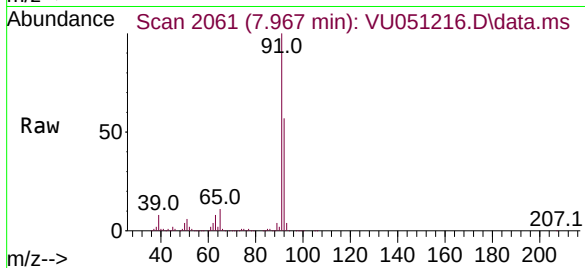
VSTD010059

Tgt Ion: 91 Resp: 986948

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 9.500 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051216.D

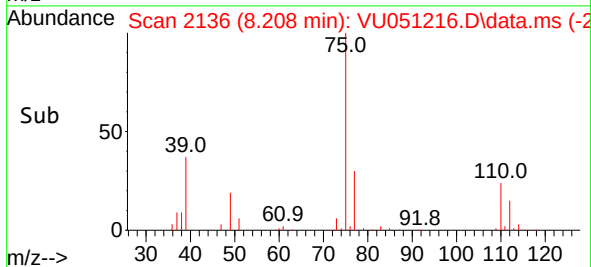
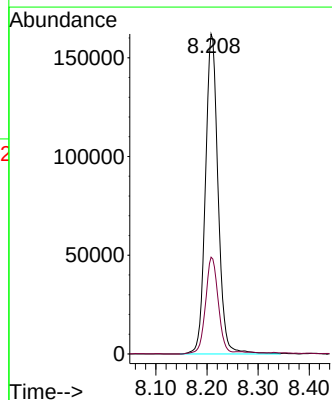
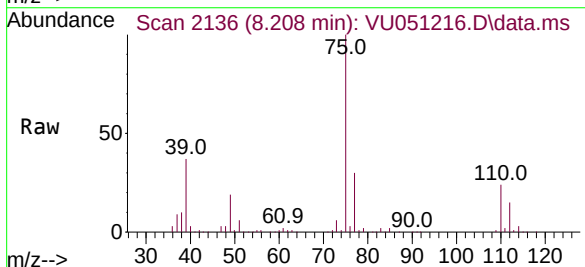
Acq: 07 Oct 2022 12:50

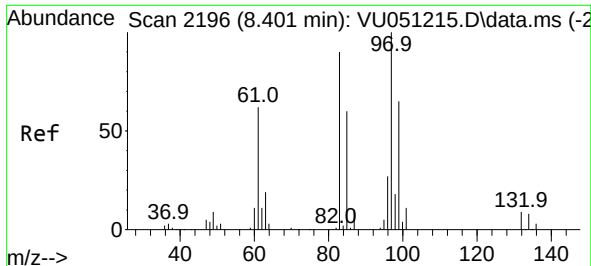
Tgt Ion: 75 Resp: 278739

Ion Ratio Lower Upper

75 100

77 30.2 21.8 40.6



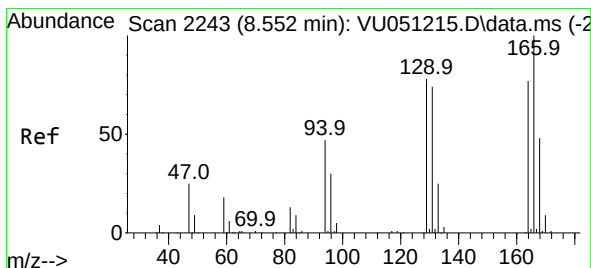
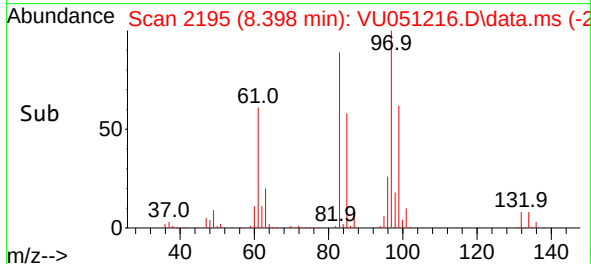
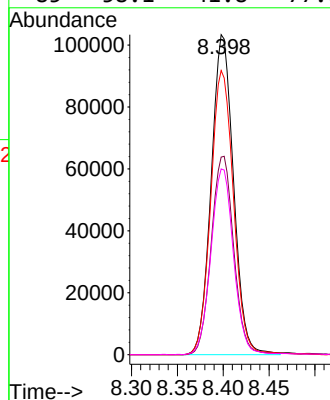
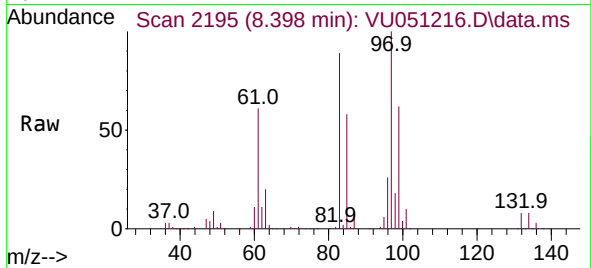


#45
1,1,2-Trichloroethane
Concen: 9.333 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

Tgt Ion: 97 Resp: 174751

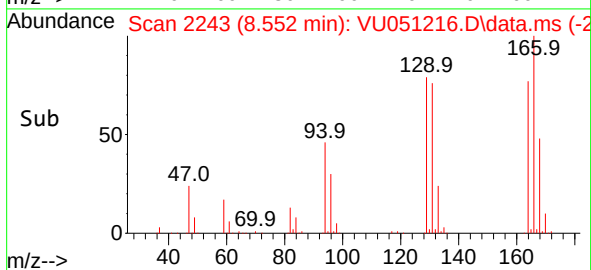
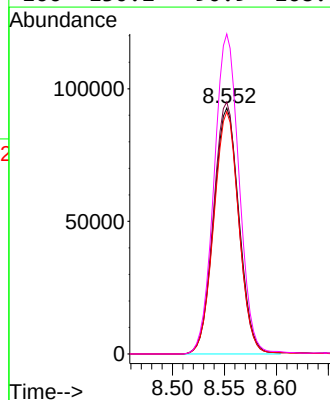
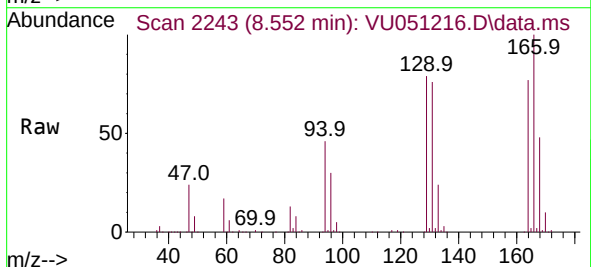
Ion	Ratio	Lower	Upper
97	100		
99	61.7	45.3	84.1
83	88.8	63.1	117.1
85	58.1	41.8	77.6

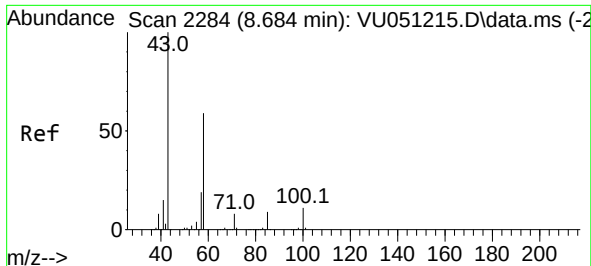


#47
Tetrachloroethene
Concen: 10.335 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 164 Resp: 158062

Ion	Ratio	Lower	Upper
164	100		
129	102.5	71.3	132.3
131	98.6	66.9	124.3
166	130.2	90.9	168.7



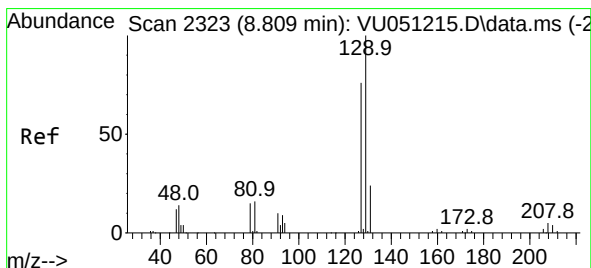
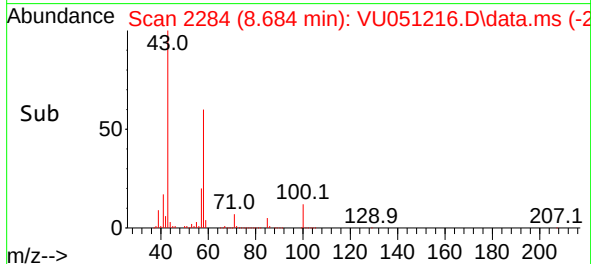
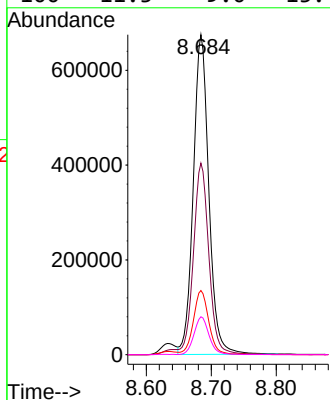
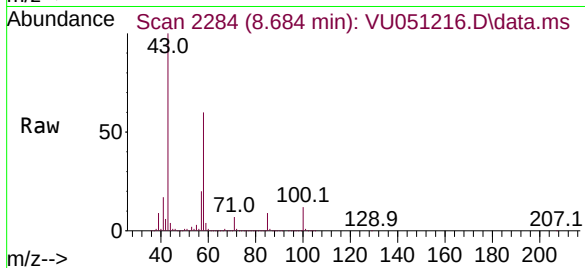


#48
2-Hexanone
Concen: 85.854 ug/L
RT: 8.684 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

Tgt Ion: 43 Resp: 1122719

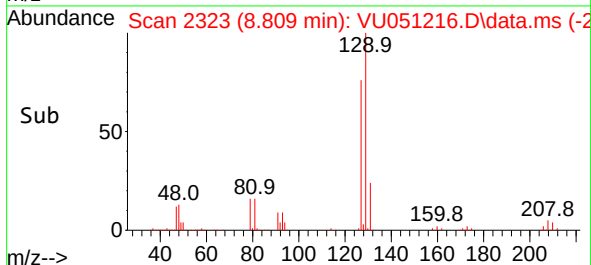
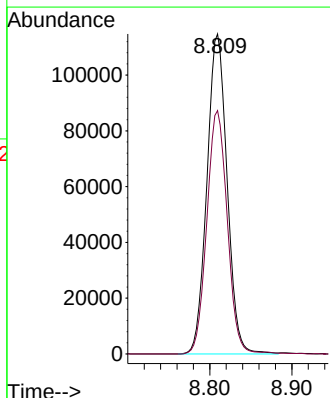
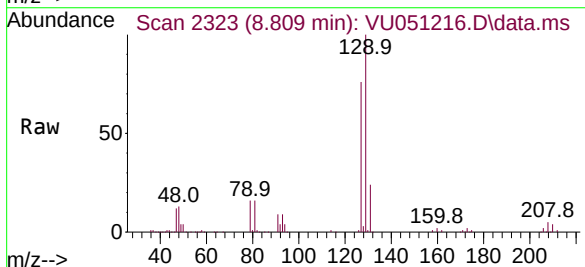
Ion	Ratio	Lower	Upper
43	100		
58	61.2	48.2	72.2
57	19.9	15.5	23.3
100	11.3	9.0	13.4

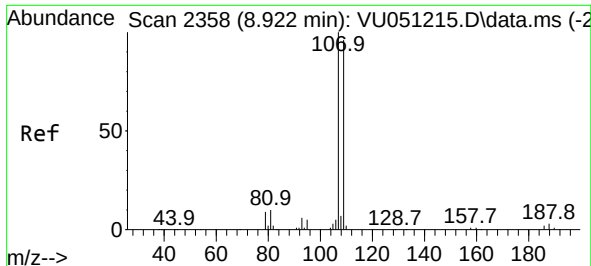


#49
Dibromochloromethane
Concen: 9.483 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 129 Resp: 196615

Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.5	99.3





#50

1,2-Dibromoethane

Concen: 9.704 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD010059

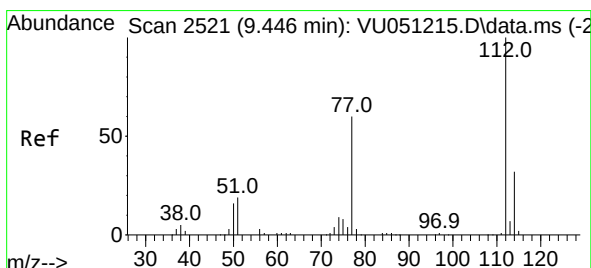
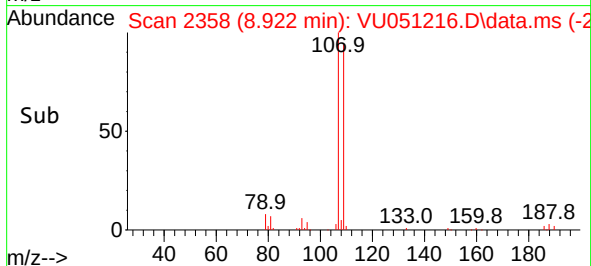
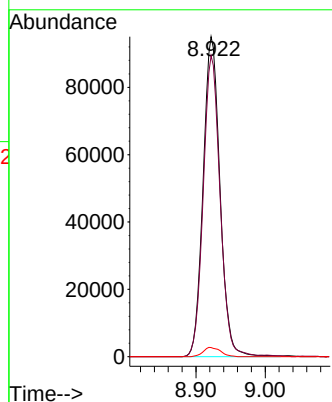
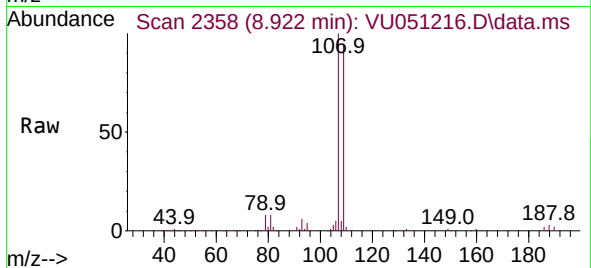
Tgt Ion:107 Resp: 160537

Ion Ratio Lower Upper

107 100

109 94.0 67.1 124.7

188 2.9 2.5 3.7



#51

Chlorobenzene

Concen: 9.910 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

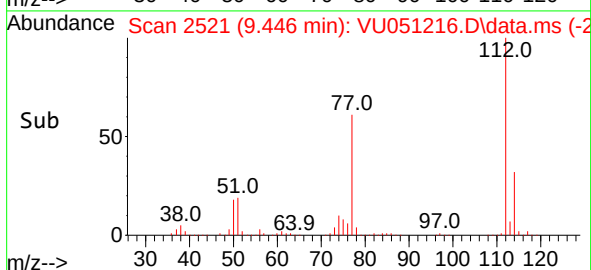
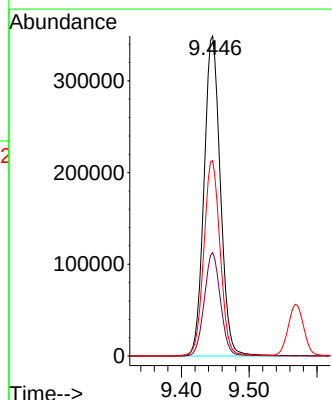
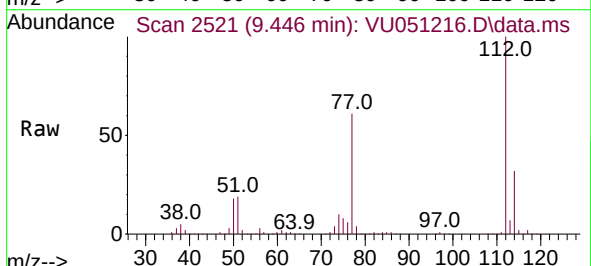
Tgt Ion:112 Resp: 582350

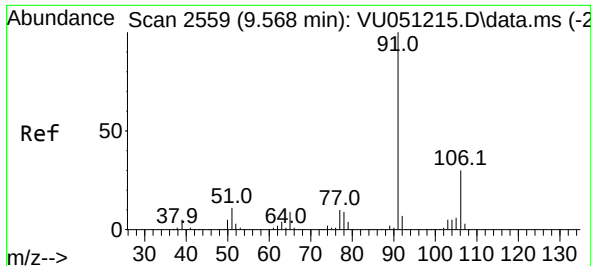
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

77 61.1 48.1 72.1

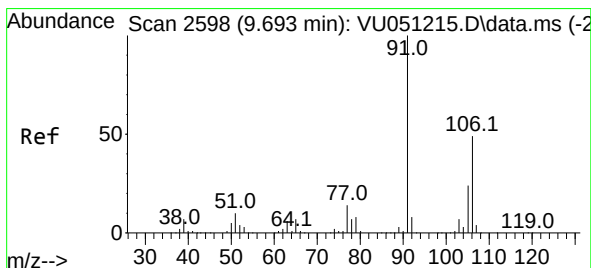
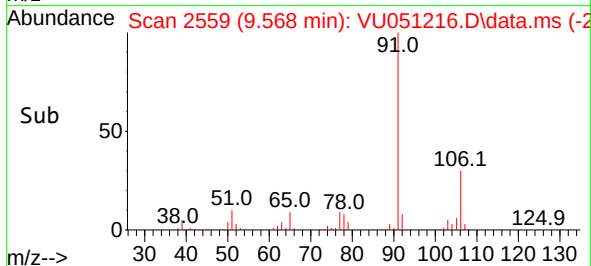
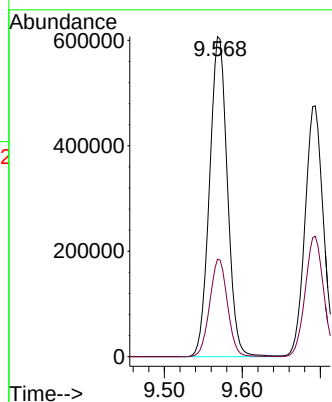
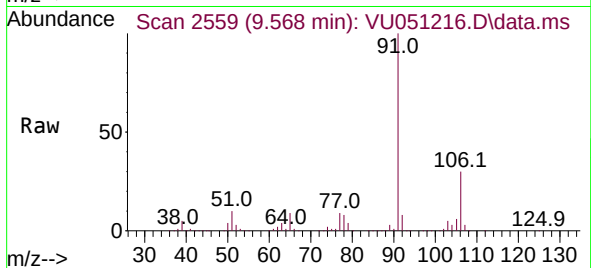




#52
Ethylbenzene
Concen: 10.398 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

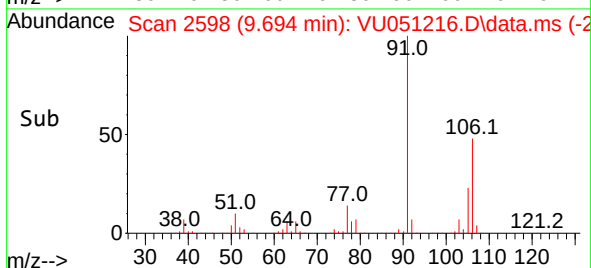
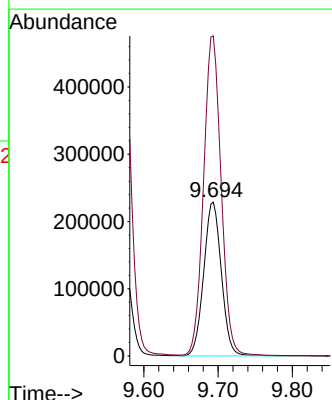
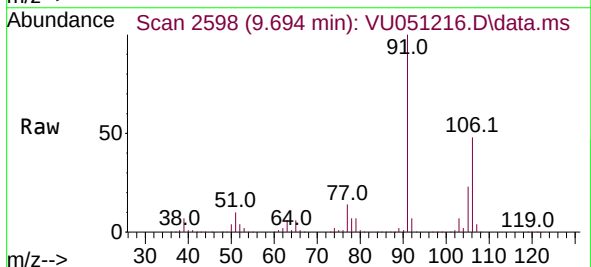
Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

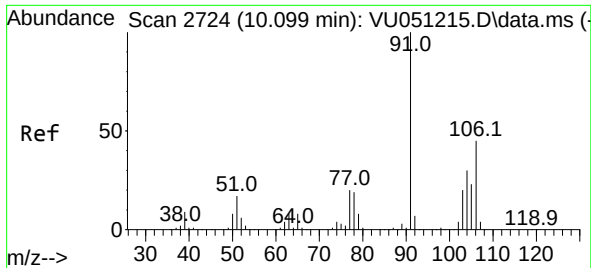
Tgt Ion: 91 Resp: 965807
Ion Ratio Lower Upper
91 100
106 30.4 20.9 38.7



#53
m,p-Xylene
Concen: 10.875 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 106 Resp: 375951
Ion Ratio Lower Upper
106 100
91 208.1 143.9 267.3

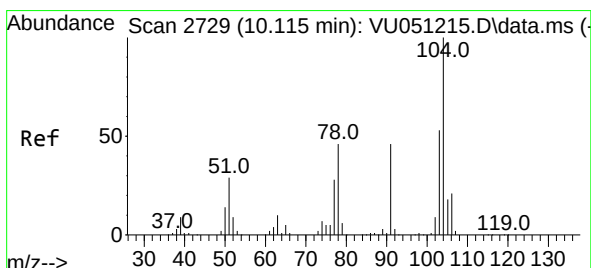
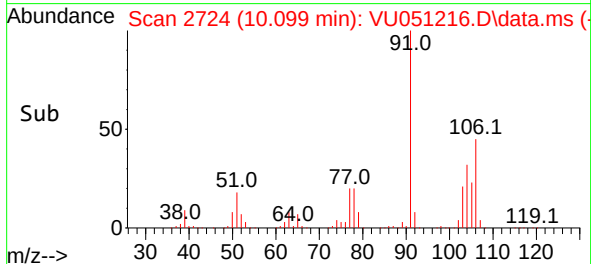
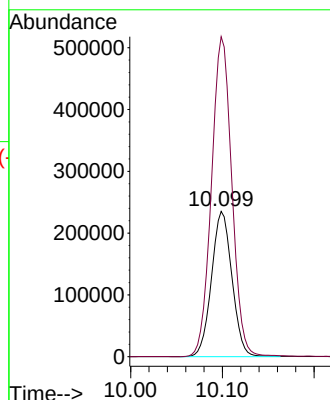
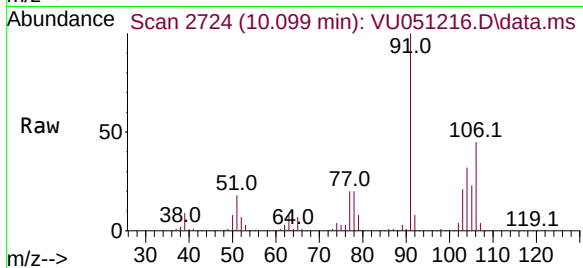




#54
o-Xylene
Concen: 10.779 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

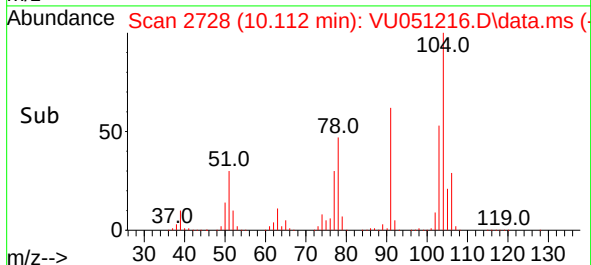
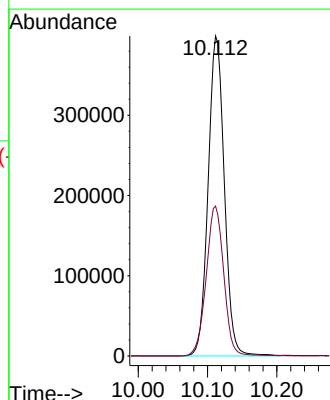
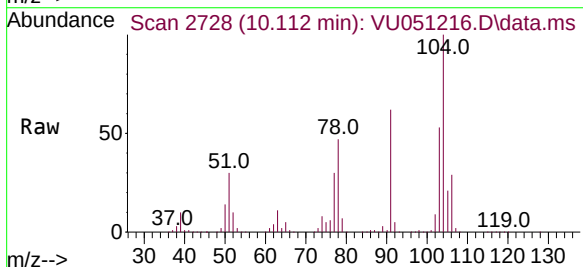
Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

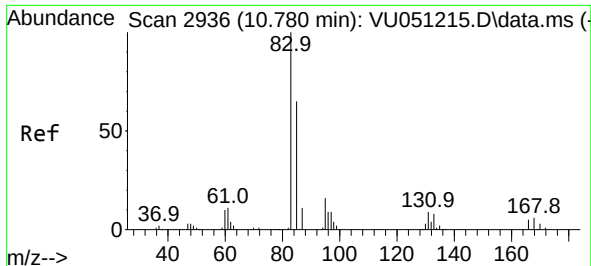
Tgt Ion:106 Resp: 364868
Ion Ratio Lower Upper
106 100
91 220.2 154.4 286.8



#55
Styrene
Concen: 11.145 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion:104 Resp: 646363
Ion Ratio Lower Upper
104 100
78 46.8 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 9.066 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD010059

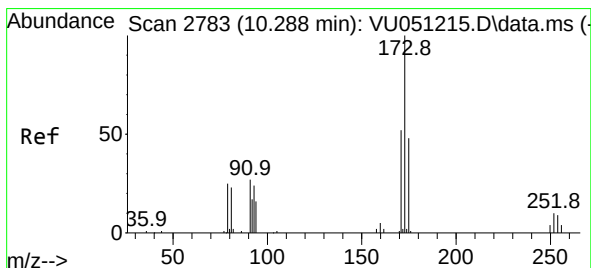
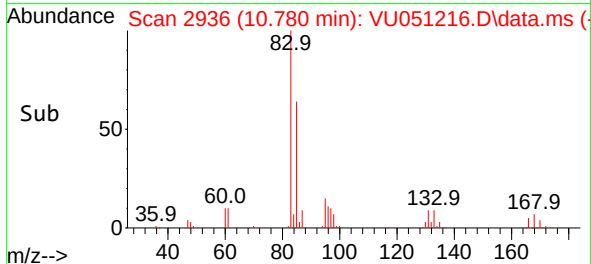
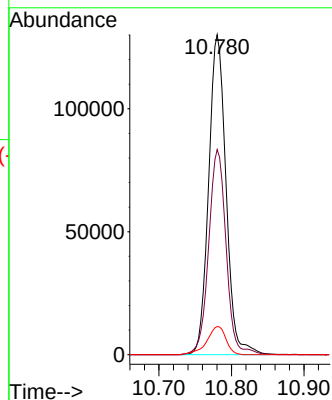
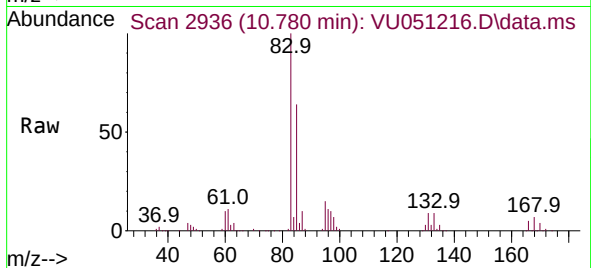
Tgt Ion: 83 Resp: 216554

Ion Ratio Lower Upper

83 100

85 64.1 45.9 85.3

131 8.8 7.4 11.2



#59

Bromoform

Concen: 9.355 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

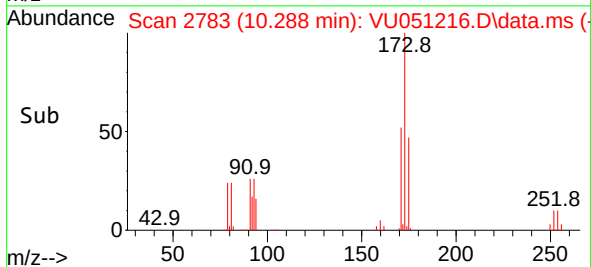
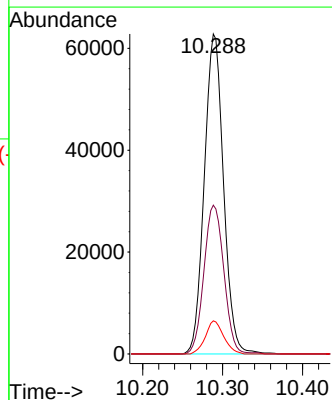
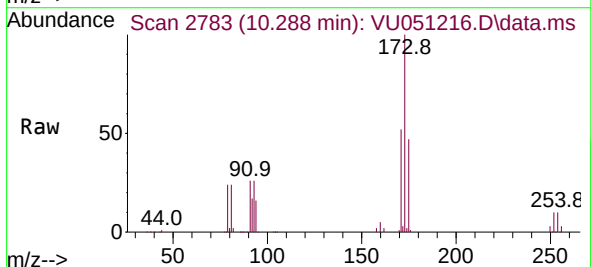
Tgt Ion:173 Resp: 105218

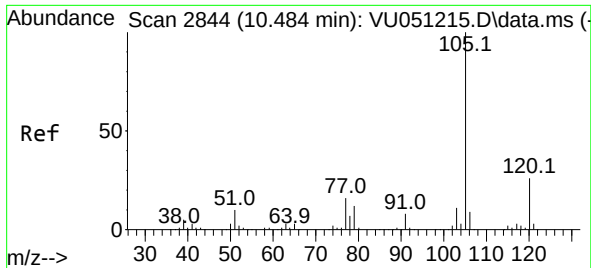
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 9.8 7.5 11.3

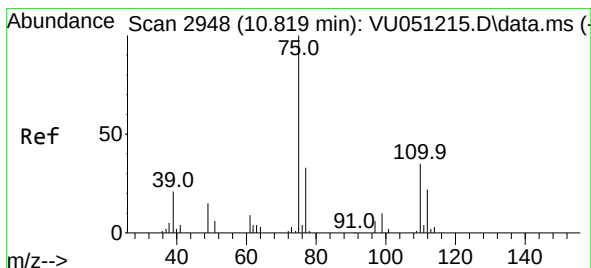
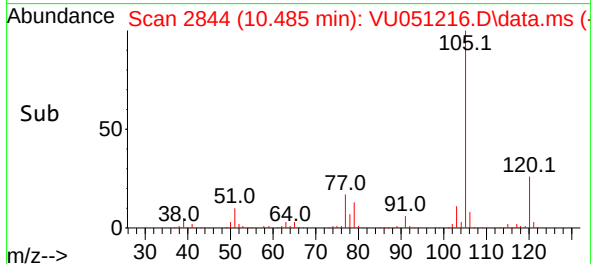
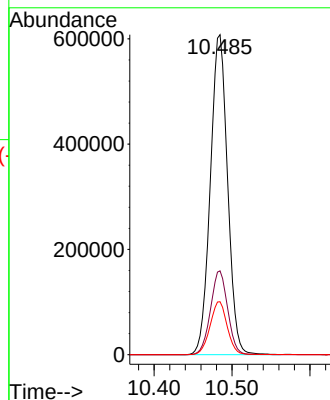
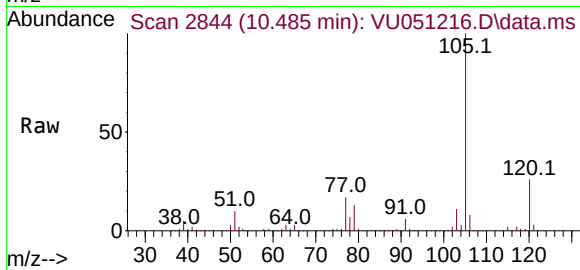




#60
Isopropylbenzene
Concen: 10.972 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

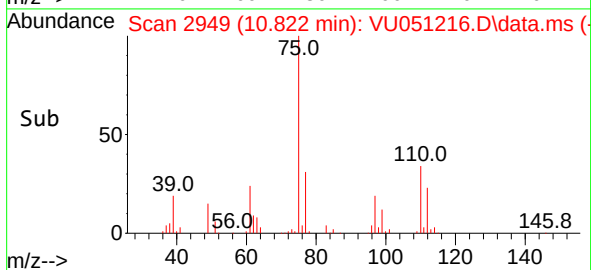
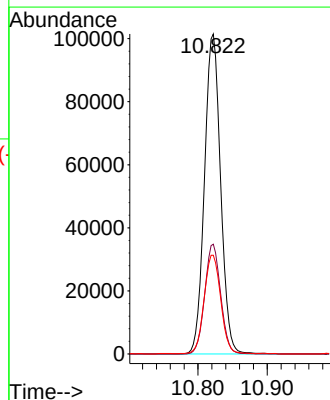
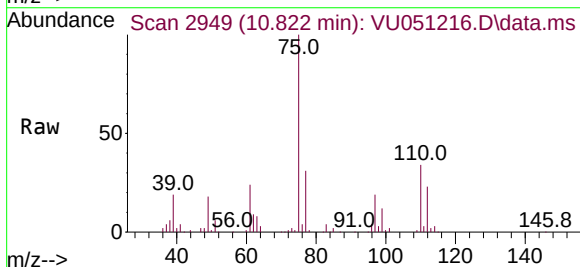
Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

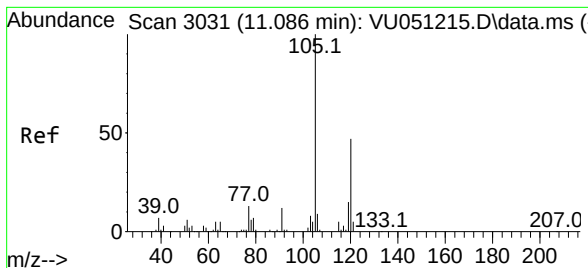
Tgt Ion:105 Resp: 934807
Ion Ratio Lower Upper
105 100
120 26.1 20.6 30.8
77 16.5 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 9.542 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion: 75 Resp: 163860
Ion Ratio Lower Upper
75 100
110 33.8 27.0 40.6
77 31.5 26.4 39.6

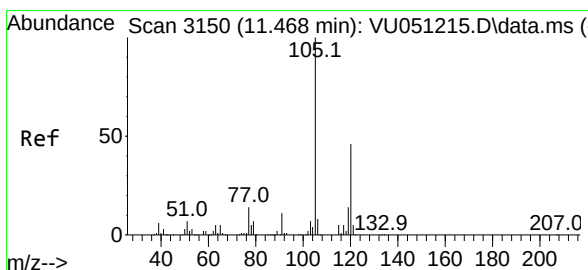
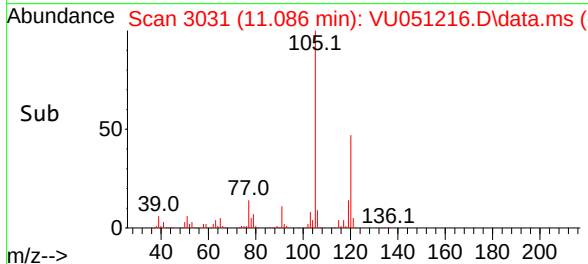
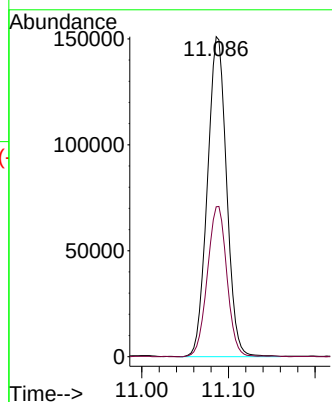
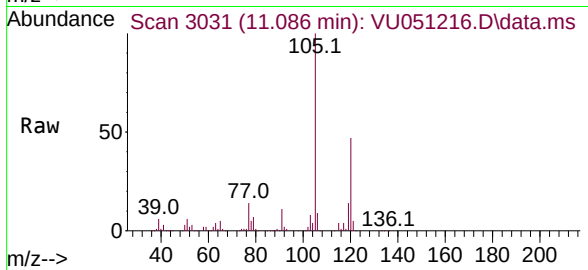




#62
 1,3,5-Trimethylbenzene
 Concen: 3.743 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

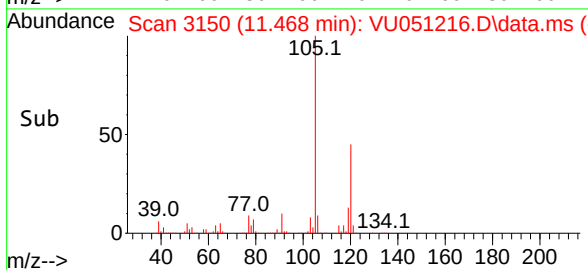
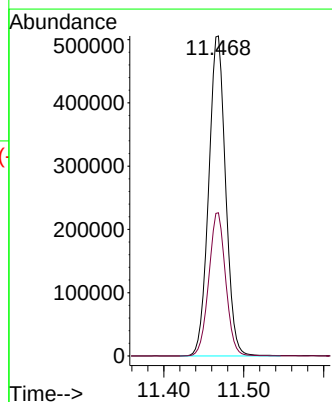
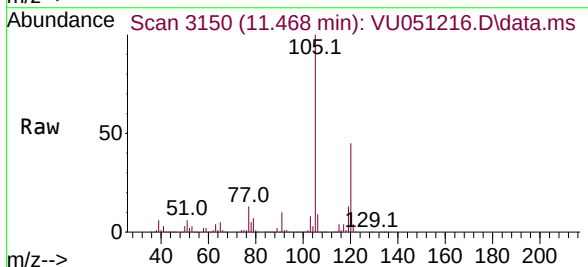
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010059

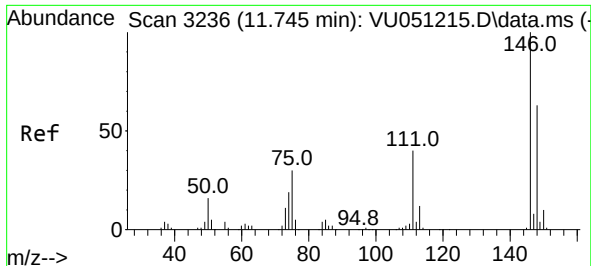
Tgt Ion:105 Resp: 232575
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 10.859 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

Tgt Ion:105 Resp: 742984
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.6 53.4

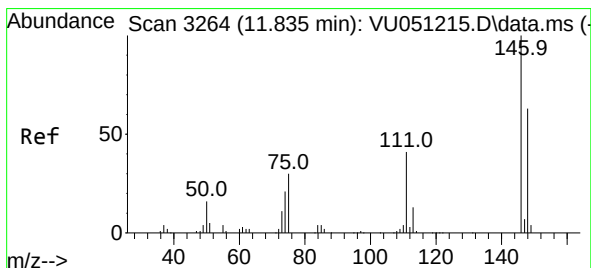
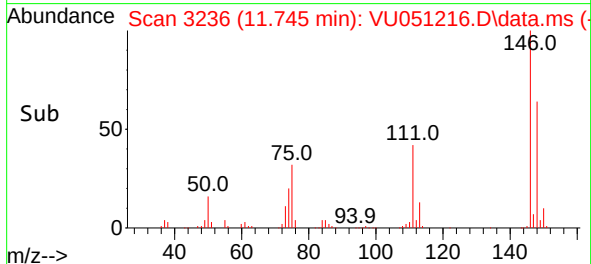
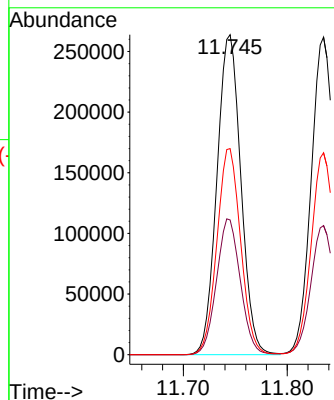
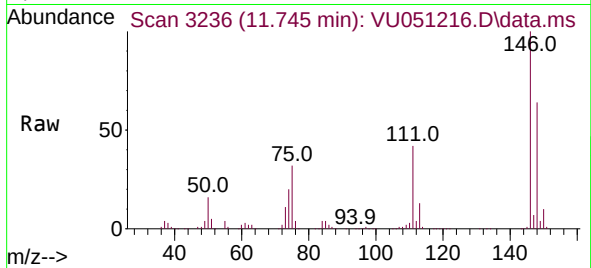




#64
1,3-Dichlorobenzene
Concen: 9.969 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

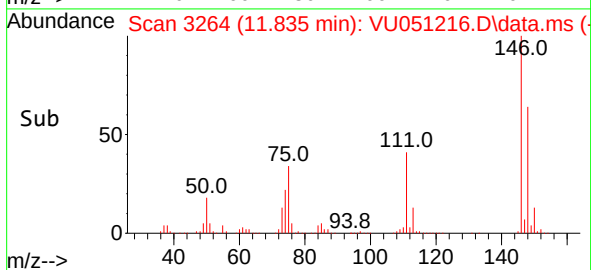
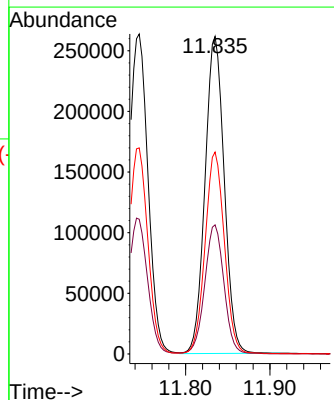
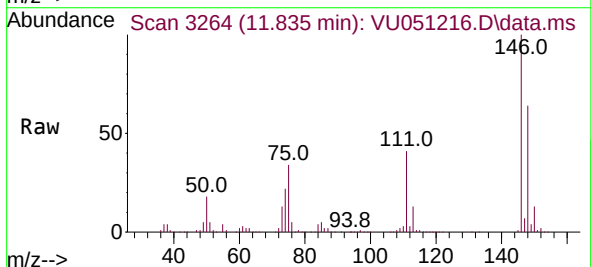
Instrument :
MSVOA_U
ClientSampleId :
VSTD010059

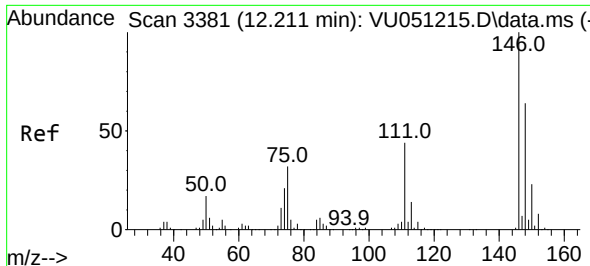
Tgt Ion:146 Resp: 423017
Ion Ratio Lower Upper
146 100
111 42.1 28.3 52.7
148 64.4 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 9.863 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051216.D
Acq: 07 Oct 2022 12:50

Tgt Ion:146 Resp: 415263
Ion Ratio Lower Upper
146 100
111 40.7 29.1 54.1
148 63.6 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 9.756 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD010059

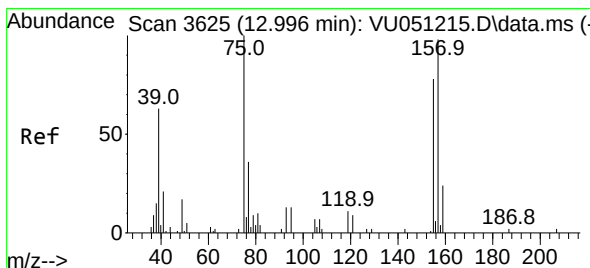
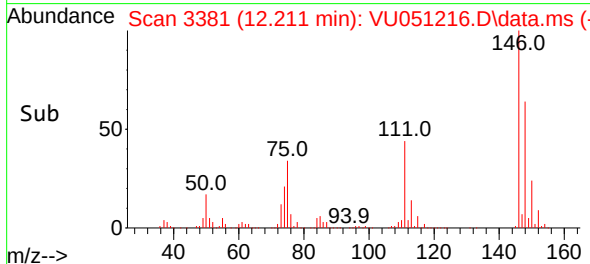
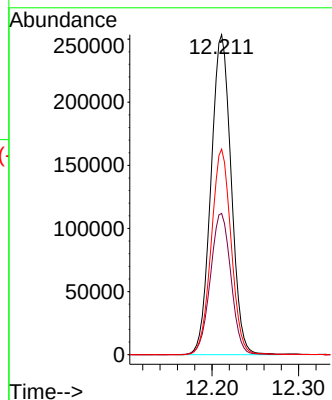
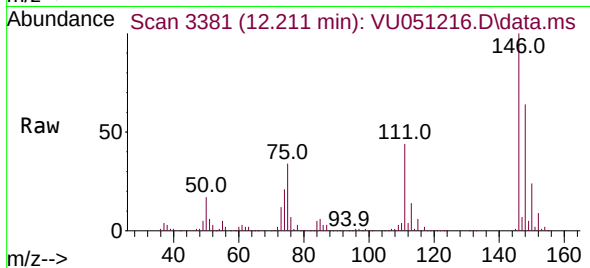
Tgt Ion:146 Resp: 409811

Ion Ratio Lower Upper

146 100

111 44.1 35.5 53.3

148 64.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 9.054 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

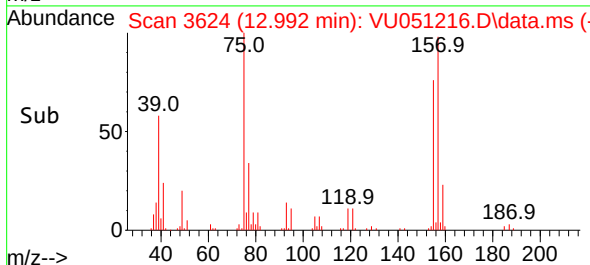
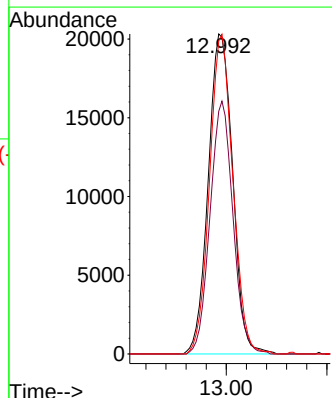
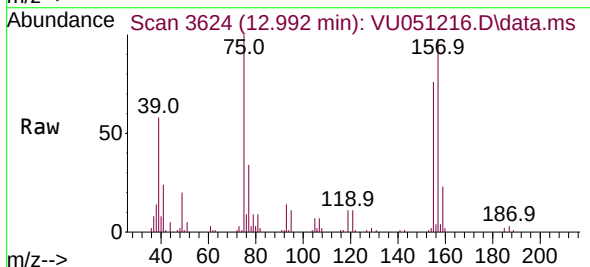
Tgt Ion: 75 Resp: 34169

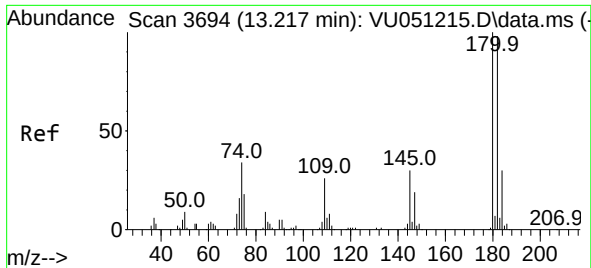
Ion Ratio Lower Upper

75 100

155 75.9 62.7 94.1

157 97.8 78.3 117.5



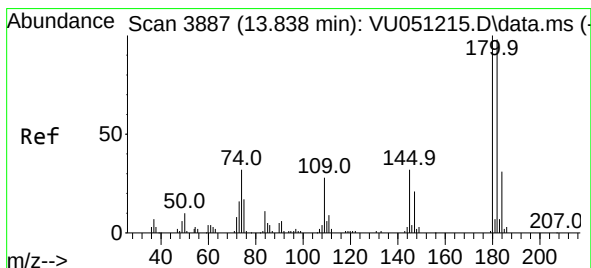
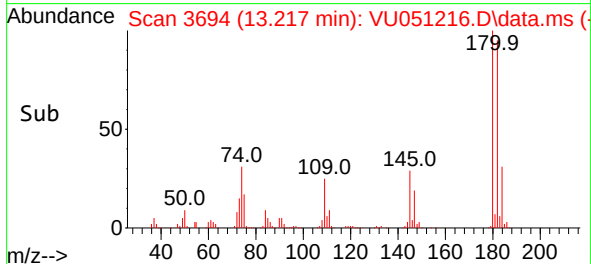
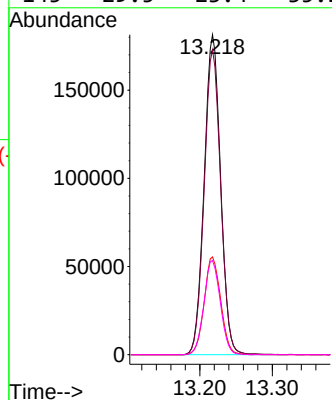
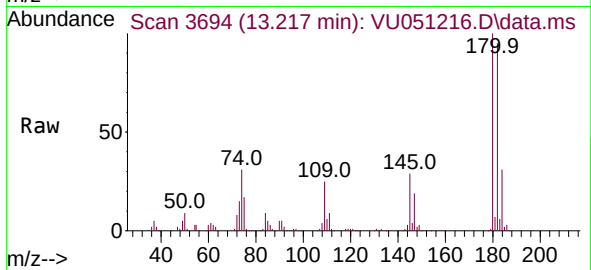


#69
 1,3,5-Trichlorobenzene
 Concen: 9.201 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010059

Tgt Ion:180 Resp: 285258

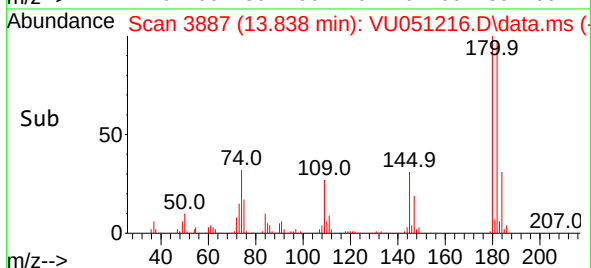
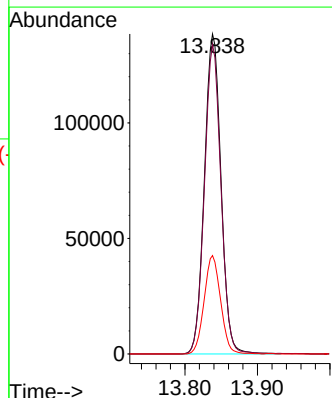
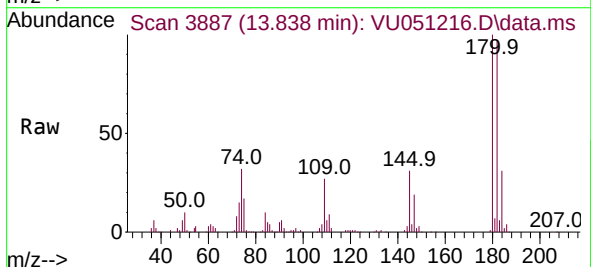
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.7	116.5
184	30.8	23.6	35.4
145	29.5	23.4	35.2

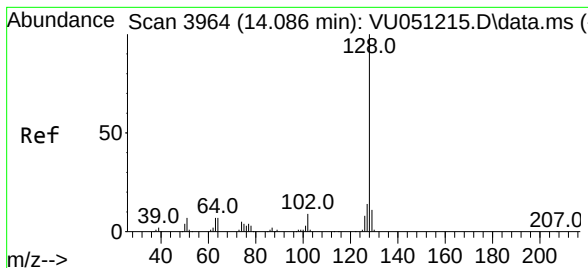


#70
 1,2,4-trichlorobenzene
 Concen: 8.628 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051216.D
 Acq: 07 Oct 2022 12:50

Tgt Ion:180 Resp: 220375

Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.7	118.1
145	30.5	25.0	37.4





#71

Naphthalene

Concen: 8.798 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD010059

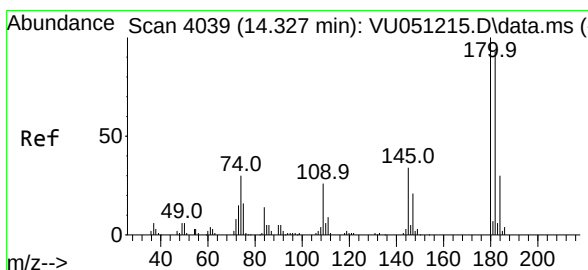
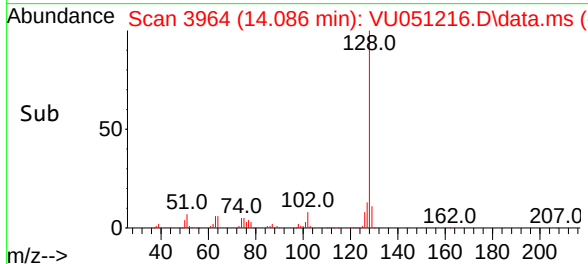
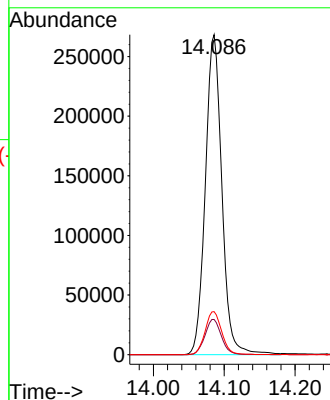
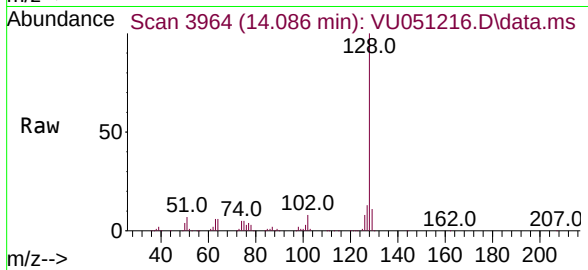
Tgt Ion:128 Resp: 434629

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

127 13.6 11.1 16.7



#72

1,2,3-Trichlorobenzene

Concen: 9.444 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051216.D

Acq: 07 Oct 2022 12:50

Tgt Ion:180 Resp: 233470

Ion Ratio Lower Upper

180 100

182 94.2 76.6 114.8

145 32.6 25.8 38.8

