

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051536.D
 Acq On : 27 Oct 2022 05:55
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Quant Time: Oct 27 08:28:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 08:11:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	373411	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	364348	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	187863	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	109200	3.625	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.909	69	97970	3.785	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.565	65	43055	3.616	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	4.616	46	311404	46.957	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.920%
24) Chloroform-d	5.060	84	210554	3.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.000%
26) 1,2-Dichloroethane-d4	5.700	65	104923	3.623	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.400%
32) Benzene-d6	5.726	84	439371	4.384	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
36) 1,2-Dichloropropane-d6	6.690	67	138163	4.059	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.200%
41) Toluene-d8	7.896	98	395305	4.408	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.179	79	43267	3.869	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.400%
46) 2-Hexanone-d5	8.629	63	274167	72.739	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	145.480%#
56) 1,1,2,2-Tetrachloroeth...	10.754	84	117164	4.309	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	140615	4.306	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	147651	4.847	ug/L	100
3) Chloromethane	1.523	50	162829	3.807	ug/L	98
5) Vinyl chloride	1.600	62	174114	4.150	ug/L #	34
6) Bromomethane	1.848	94	29764	1.303	ug/L	100
8) Chloroethane	1.928	64	107203	4.007	ug/L	91
9) Trichlorofluoromethane	2.134	101	186001	3.847	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	112952	3.892	ug/L	97
12) 1,1-Dichloroethene	2.578	96	117716	4.323	ug/L	86
13) Acetone	2.623	43	200127	40.235	ug/L	96
14) Carbon disulfide	2.790	76	401687	4.816	ug/L	100
15) Methyl Acetate	2.948	43	51568	4.265	ug/L	95
16) Methylene chloride	3.044	84	157849	3.926	ug/L	93
17) Methyl tert-butyl Ether	3.362	73	326960	5.242	ug/L	97
18) trans-1,2-Dichloroethene	3.350	96	132873	4.638	ug/L	95
19) 1,1-Dichloroethane	3.867	63	239249	4.047	ug/L	98
21) 2-Butanone	4.697	43	349447	44.579	ug/L	92
22) cis-1,2-Dichloroethene	4.665	96	161242	5.081	ug/L	95
23) Bromochloromethane	4.970	128	67282	4.444	ug/L	95
25) Chloroform	5.086	83	242541	3.928	ug/L	98

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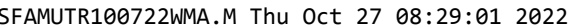
Instrument :
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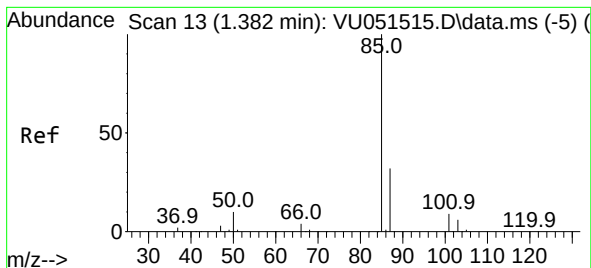
Quant Time: Oct 27 08:28:52 2022
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	152803	4.131	ug/L	96
29) 1,1,1-Trichloroethane	5.314	97	197342	4.520	ug/L	95
30) Cyclohexane	5.385	56	195820	5.288	ug/L	100
31) Carbon tetrachloride	5.523	117	159824	4.326	ug/L	98
33) Benzene	5.771	78	718921	5.910	ug/L	100
34) Trichloroethene	6.539	95	140166	4.619	ug/L	96
35) Methylcyclohexane	6.761	83	203589	5.318	ug/L	92
37) 1,2-Dichloropropane	6.790	63	145230	4.356	ug/L	100
38) Bromodichloromethane	7.105	83	178058	4.477	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	186121	4.645	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	874621	50.004	ug/L	94
42) Toluene	7.967	91	1044323	8.089	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	154733	4.465	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	108893	4.652	ug/L	96
47) Tetrachloroethene	8.552	164	104954	4.704	ug/L	95
48) 2-Hexanone	8.681	43	624937	47.986	ug/L #	97
49) Dibromochloromethane	8.809	129	122921	4.677	ug/L	100
50) 1,2-Dibromoethane	8.922	107	102864	4.937	ug/L	97
51) Chlorobenzene	9.446	112	420845	5.455	ug/L	98
52) Ethylbenzene	9.568	91	696276	6.001	ug/L	96
53) m,p-Xylene	9.690	106	334345	7.430	ug/L	98
54) o-Xylene	10.098	106	270349	6.350	ug/L	94
55) Styrene	10.111	104	414430	5.654	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	140891	4.863	ug/L	97
59) Bromoform	10.288	173	70778	4.529	ug/L	98
60) Isopropylbenzene	10.481	105	625047	5.253	ug/L	98
61) 1,2,3-Trichloropropane	10.819	75	99692	4.203	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	190604	6.038	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	565842	6.339	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	288767	4.906	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	284832	4.910	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	278591	4.869	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	21068	4.643	ug/L	93
69) 1,3,5-Trichlorobenzene	13.217	180	204897	5.050	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	163894	5.684	ug/L	98
71) Naphthalene	14.085	128	356264	6.647	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	161344	5.409	ug/L	99

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

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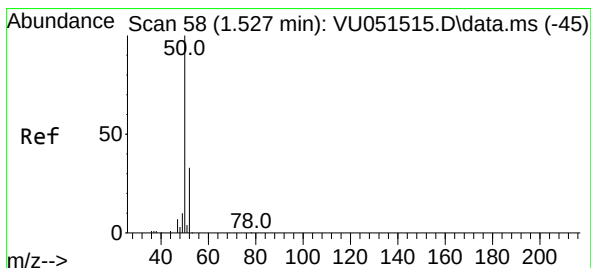
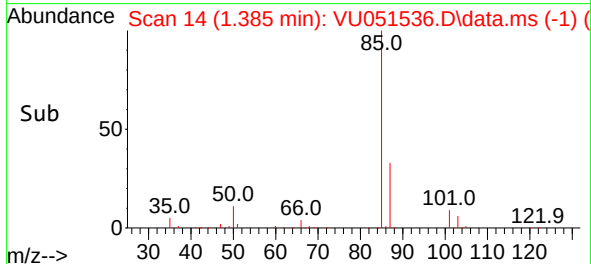
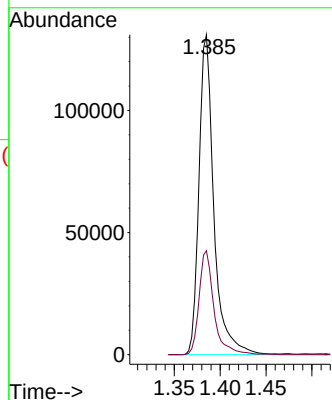
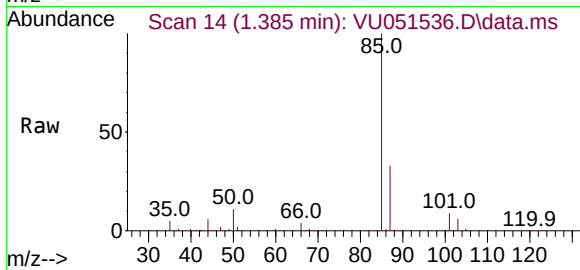




#2
Dichlorodifluoromethane
Concen: 4.847 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

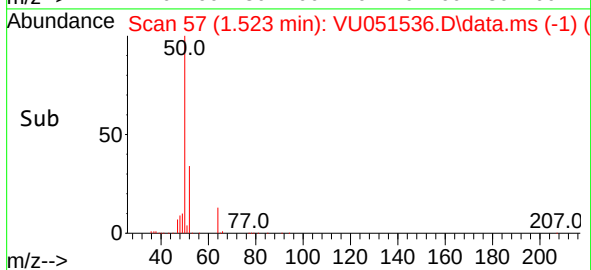
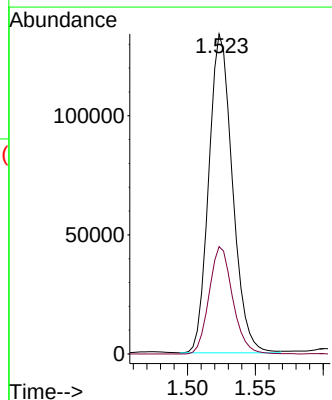
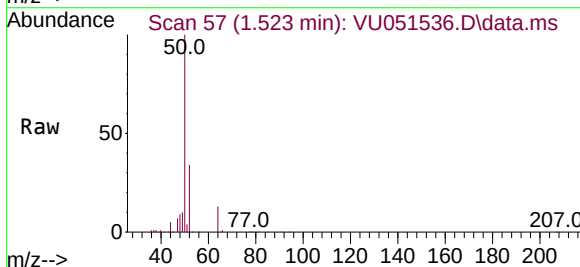
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

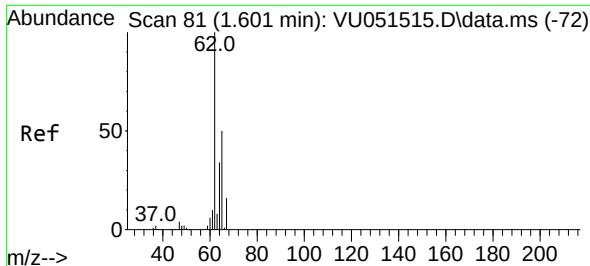
Tgt Ion: 85 Resp: 147651
Ion Ratio Lower Upper
85 100
87 32.6 26.2 39.4



#3
Chloromethane
Concen: 3.807 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.003 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 50 Resp: 162829
Ion Ratio Lower Upper
50 100
52 33.5 22.9 42.5

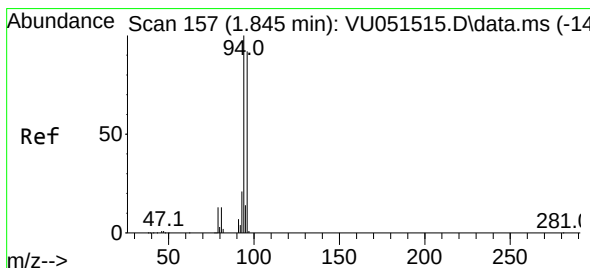
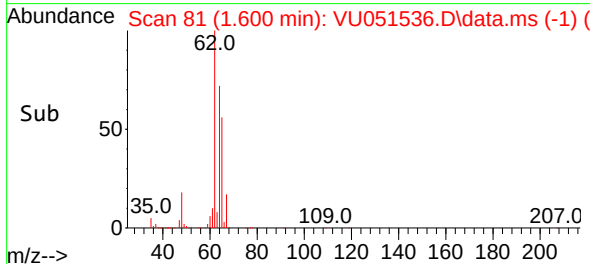
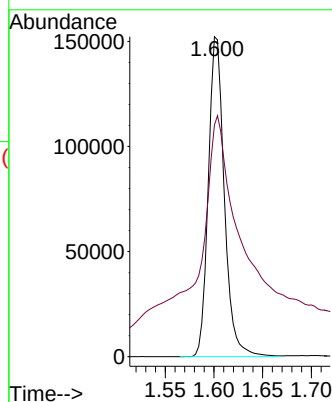
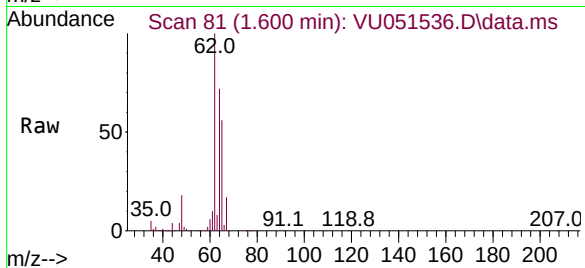




#5
 Vinyl chloride
 Concen: 4.150 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051536.D
 Acq: 27 Oct 2022 05:55

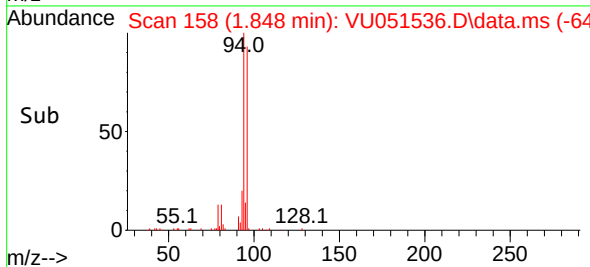
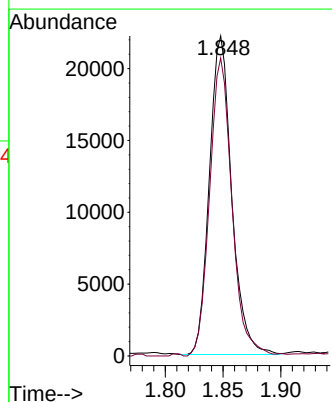
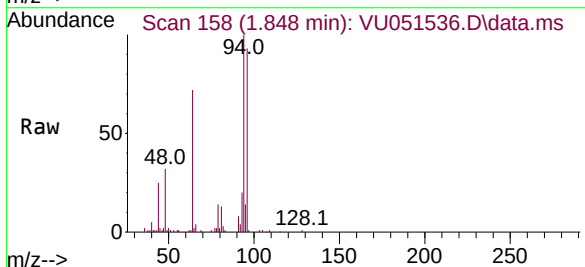
Instrument :
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 ClientSampleId :
 VSTD005183

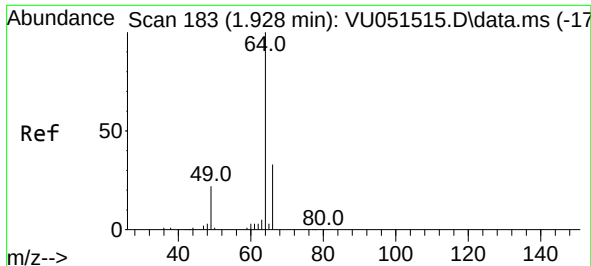
Tgt Ion: 62 Resp: 174114
 Ion Ratio Lower Upper
 62 100
 64 72.4 24.0 44.6#



#6
 Bromomethane
 Concen: 1.303 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VU051536.D
 Acq: 27 Oct 2022 05:55

Tgt Ion: 94 Resp: 29764
 Ion Ratio Lower Upper
 94 100
 96 93.1 64.9 120.5

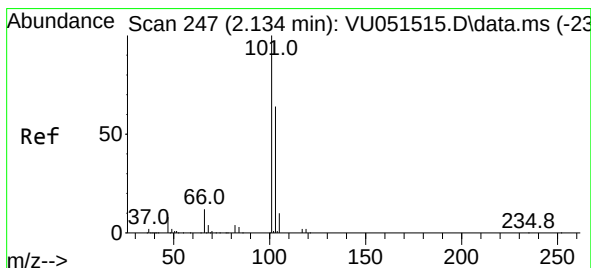
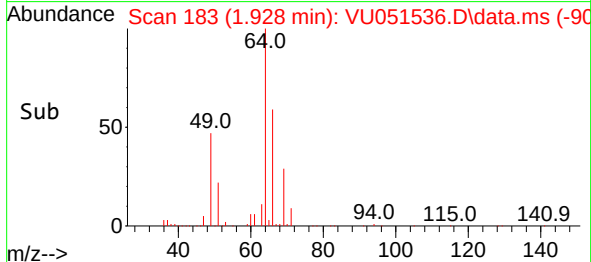
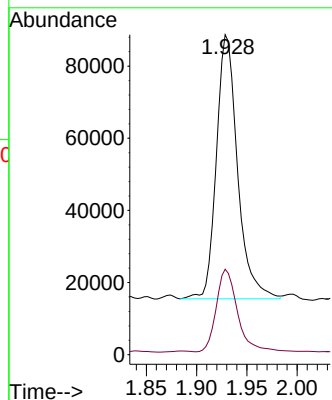
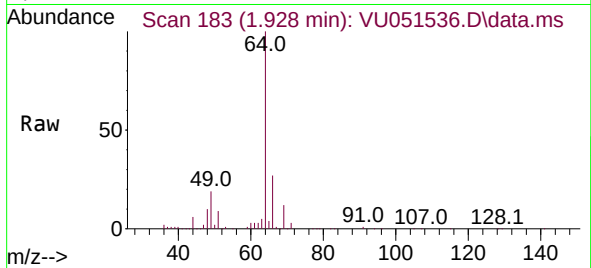




#8
Chloroethane
Concen: 4.007 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

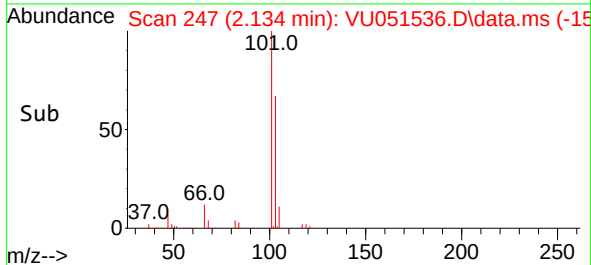
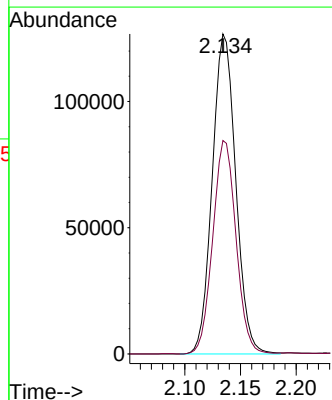
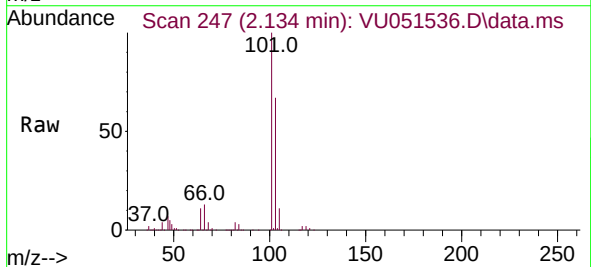
Instrument :
MSVOA_U
ClientSampleId :
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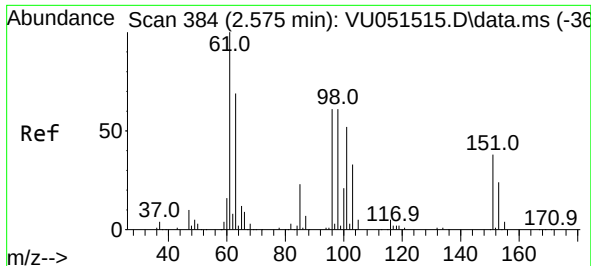
Tgt Ion: 64 Resp: 107203
Ion Ratio Lower Upper
64 100
66 26.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 3.847 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 101 Resp: 186001
Ion Ratio Lower Upper
101 100
103 66.1 52.2 78.2





#10

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

Concen: 3.892 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

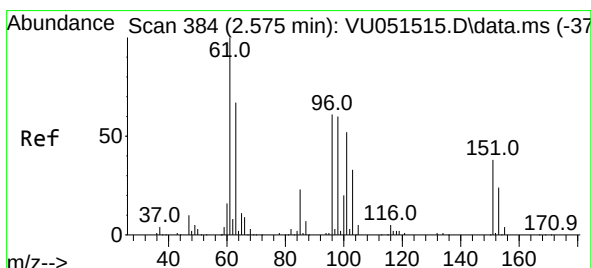
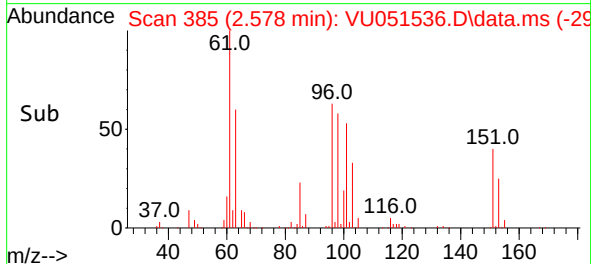
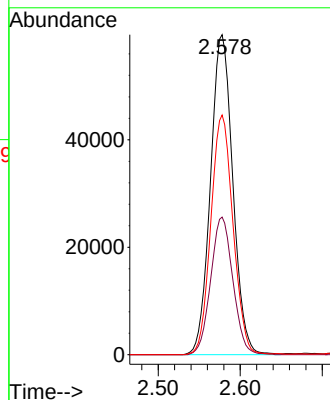
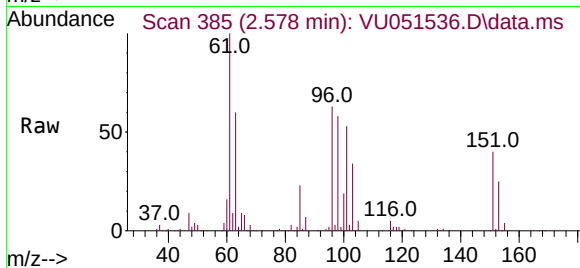
Tgt Ion:101 Resp: 112952

Ion Ratio Lower Upper

101 100

85 42.6 34.6 51.8

151 74.2 56.5 84.7



#12

1,1-Dichloroethene

Concen: 4.323 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

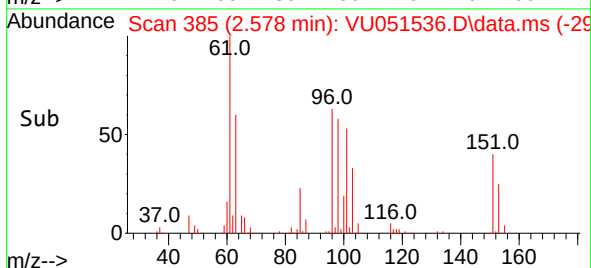
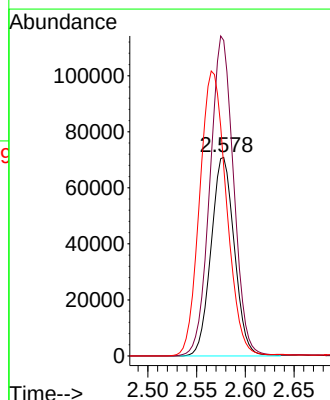
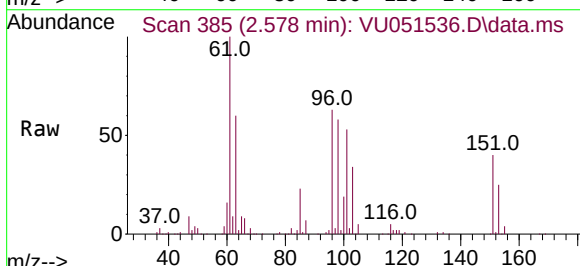
Tgt Ion: 96 Resp: 117716

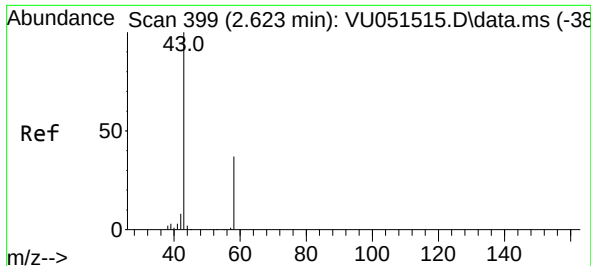
Ion Ratio Lower Upper

96 100

61 158.9 117.6 218.4

63 95.3 85.2 158.2





#13

Acetone

Concen: 40.235 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

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ClientSampleId :

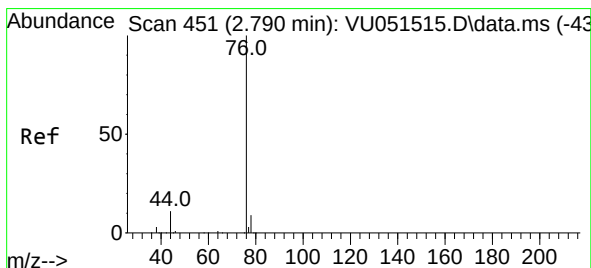
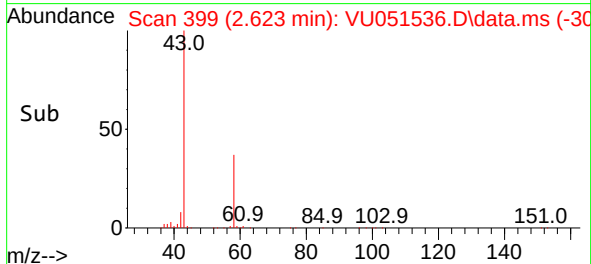
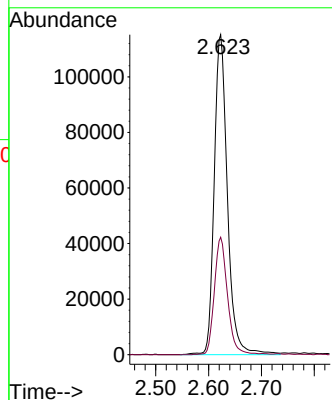
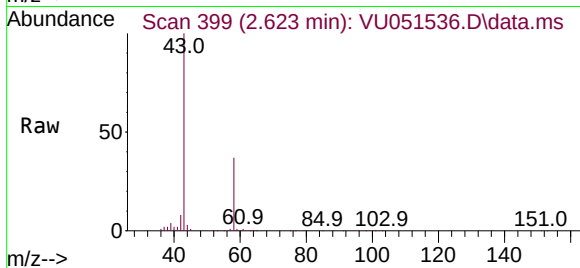
VSTD005183

Tgt Ion: 43 Resp: 200127

Ion Ratio Lower Upper

43 100

58 36.5 0.0 68.8



#14

Carbon disulfide

Concen: 4.816 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051536.D

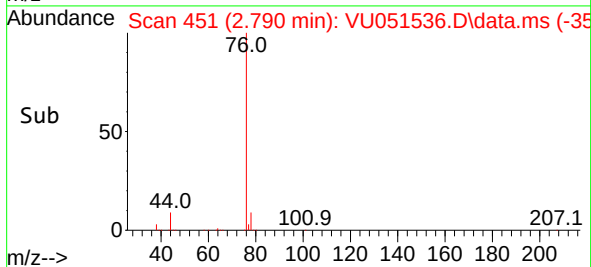
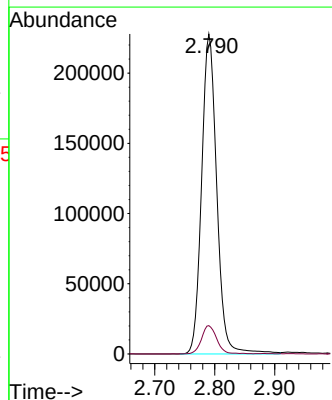
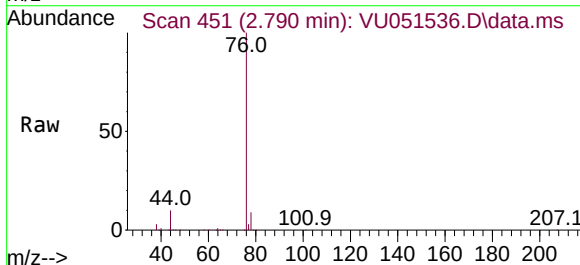
Acq: 27 Oct 2022 05:55

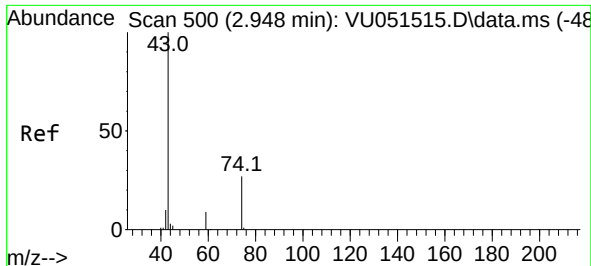
Tgt Ion: 76 Resp: 401687

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

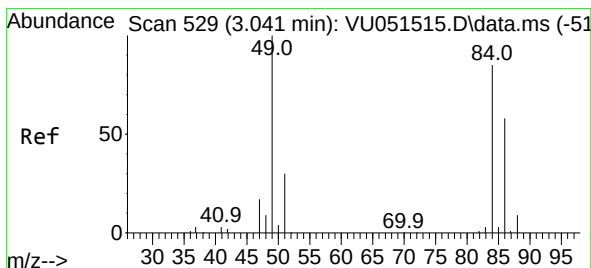
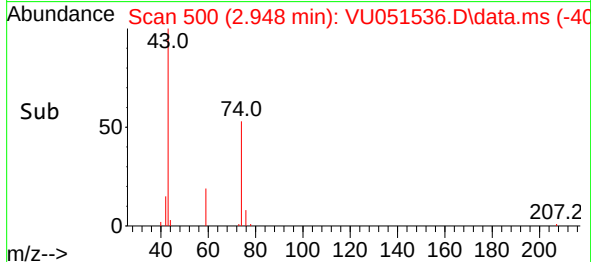
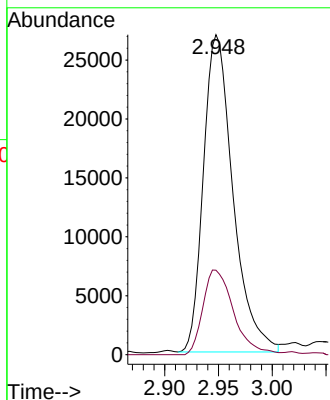
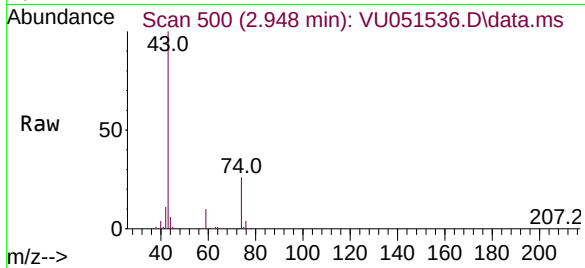




#15
Methyl Acetate
Concen: 4.265 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

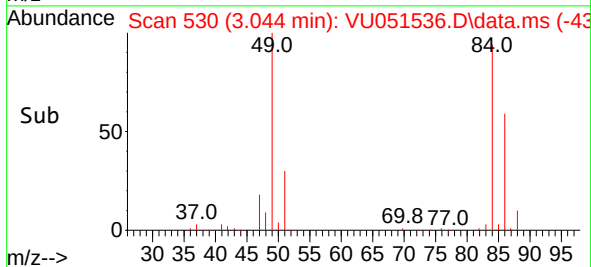
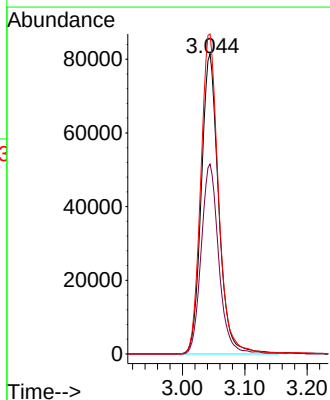
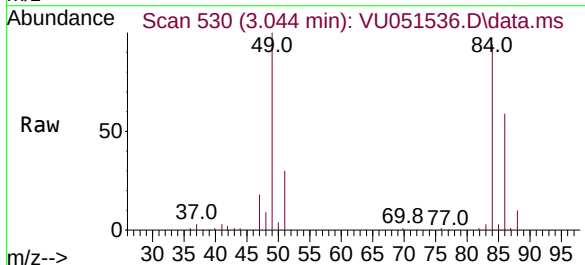
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

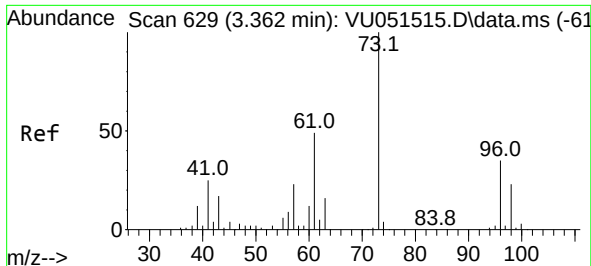
Tgt Ion: 43 Resp: 51568
Ion Ratio Lower Upper
43 100
74 27.7 20.0 30.0



#16
Methylene chloride
Concen: 3.926 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 84 Resp: 157849
Ion Ratio Lower Upper
84 100
86 63.3 46.5 86.3
49 106.6 81.3 151.1

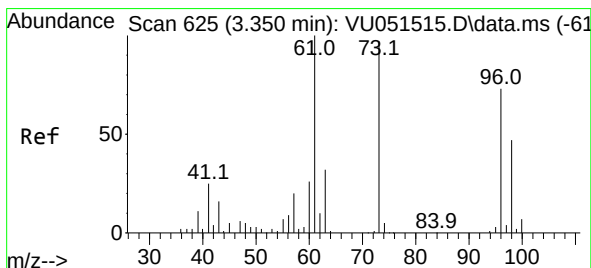
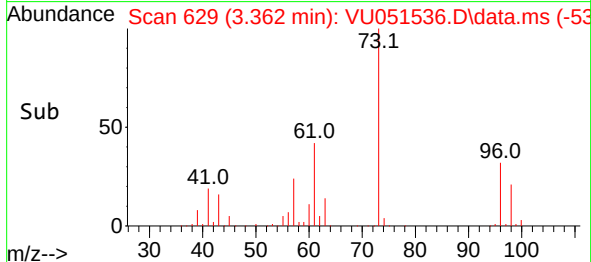
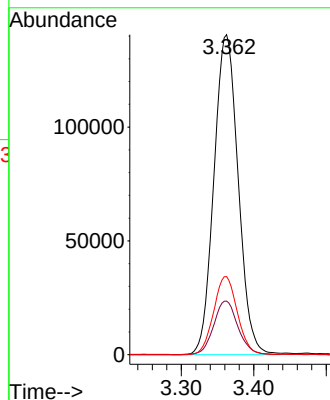
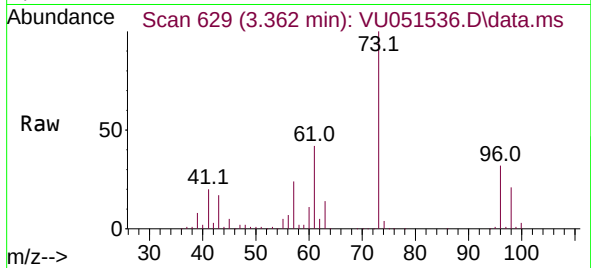




#17
Methyl tert-butyl Ether
Concen: 5.242 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

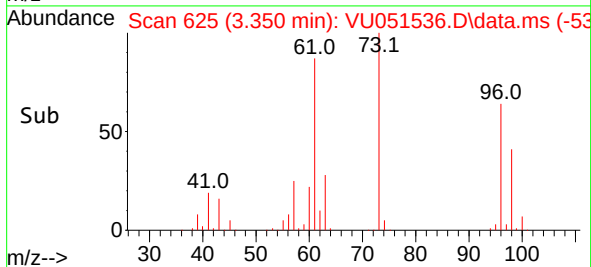
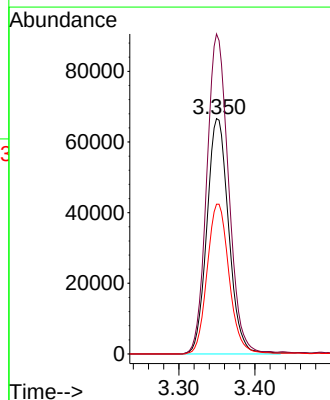
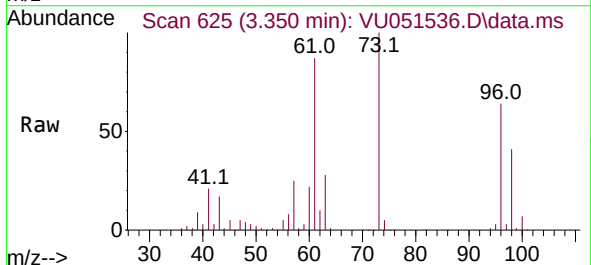
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

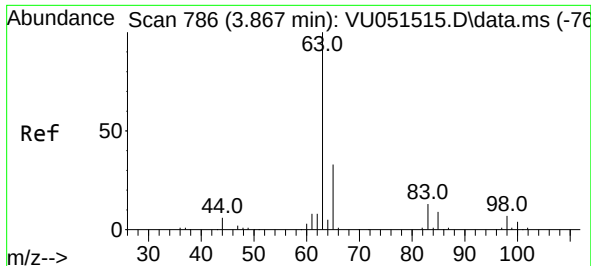
Tgt Ion: 73 Resp: 326960
Ion Ratio Lower Upper
73 100
43 16.9 15.4 23.0
57 23.9 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 4.638 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 96 Resp: 132873
Ion Ratio Lower Upper
96 100
61 135.9 101.4 188.2
98 63.6 44.9 83.5

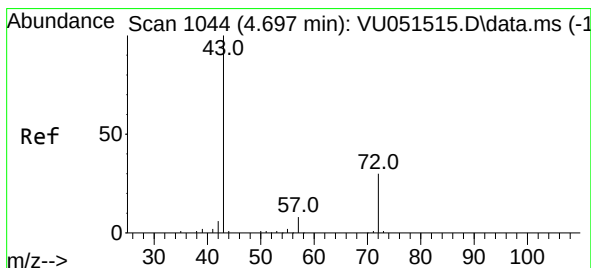
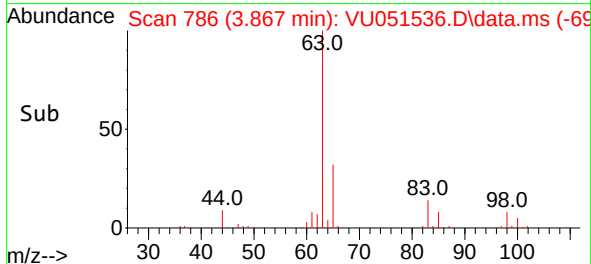
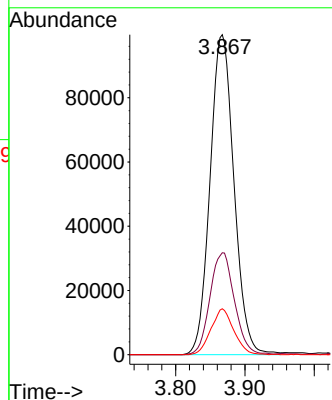
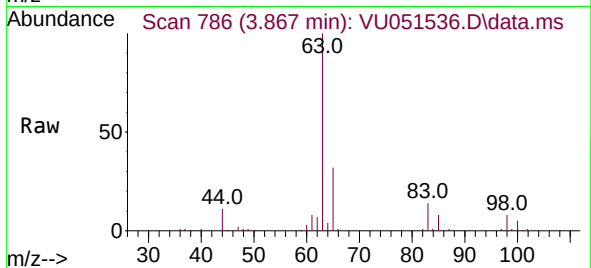




#19
1,1-Dichloroethane
Concen: 4.047 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

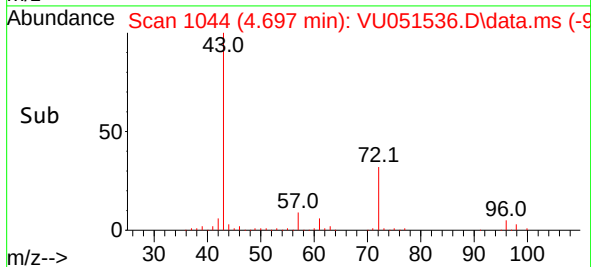
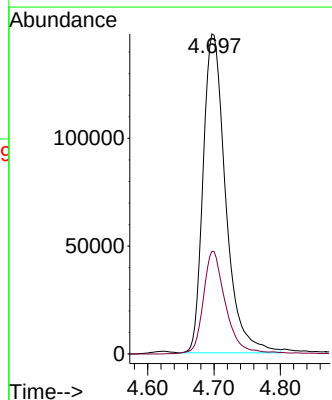
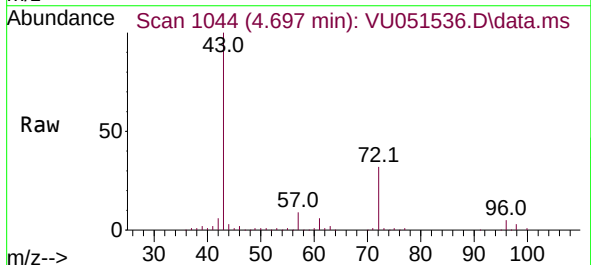
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

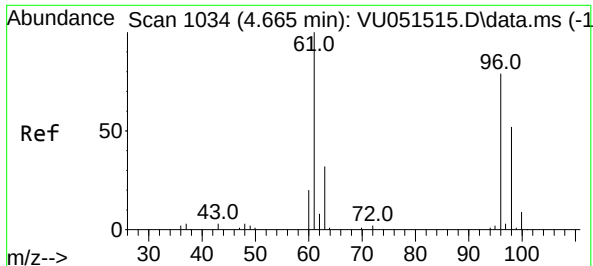
Tgt Ion: 63 Resp: 239249
Ion Ratio Lower Upper
63 100
65 31.8 22.0 41.0
83 14.4 9.0 16.6



#21
2-Butanone
Concen: 44.579 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 43 Resp: 349447
Ion Ratio Lower Upper
43 100
72 31.6 13.8 41.4



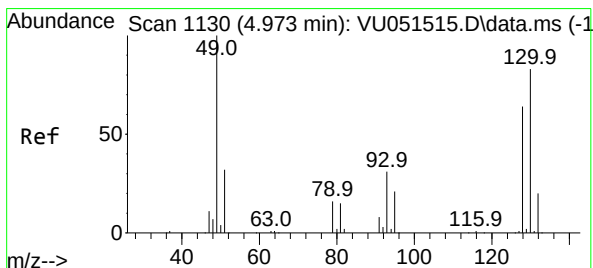
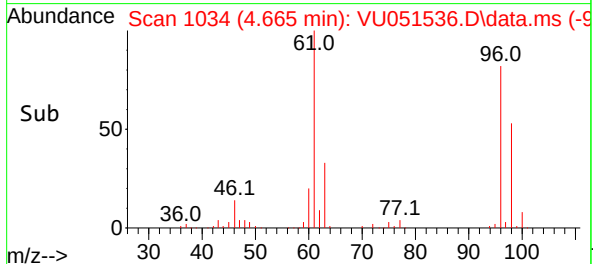
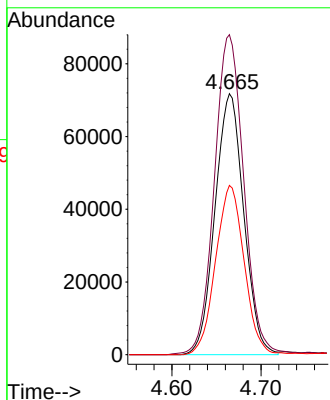
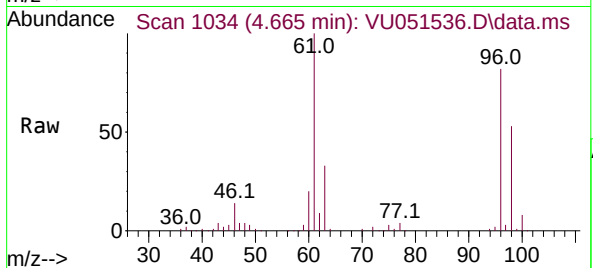


#22
 cis-1,2-Dichloroethene
 Concen: 5.081 ug/L
 RT: 4.665 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VU051536.D
 Acq: 27 Oct 2022 05:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Tgt Ion: 96 Resp: 161242

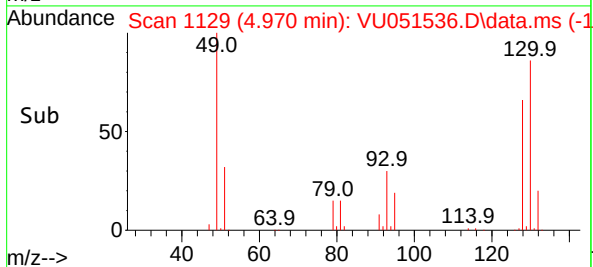
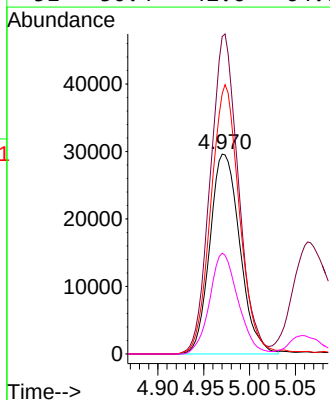
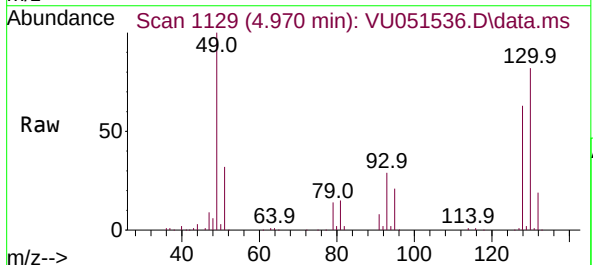
Ion	Ratio	Lower	Upper
96	100		
61	122.7	90.6	168.2
98	64.9	47.5	88.3

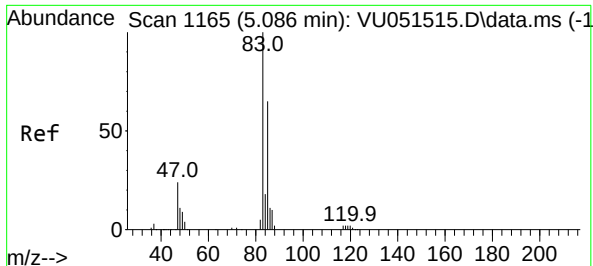


#23
 Bromochloromethane
 Concen: 4.444 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU051536.D
 Acq: 27 Oct 2022 05:55

Tgt Ion: 128 Resp: 67282

Ion	Ratio	Lower	Upper
128	100		
49	158.8	118.0	219.2
130	130.2	88.8	164.8
51	50.4	42.6	64.0





#25

Chloroform

Concen: 3.928 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

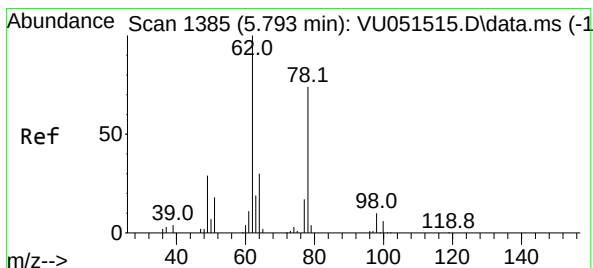
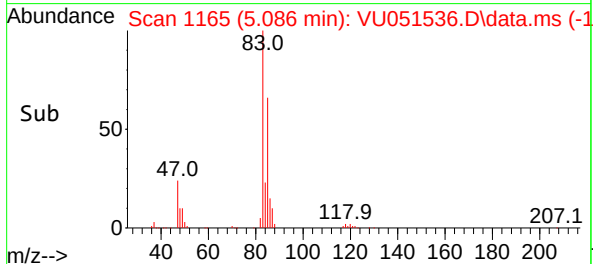
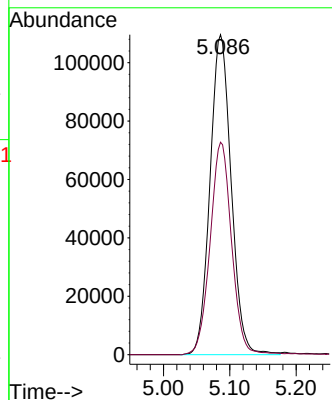
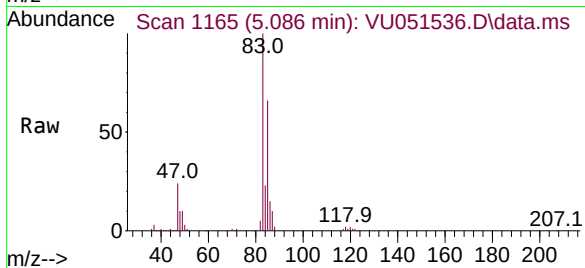
VSTD005183

Tgt Ion: 83 Resp: 242541

Ion Ratio Lower Upper

83 100

85 66.4 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.131 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU051536.D

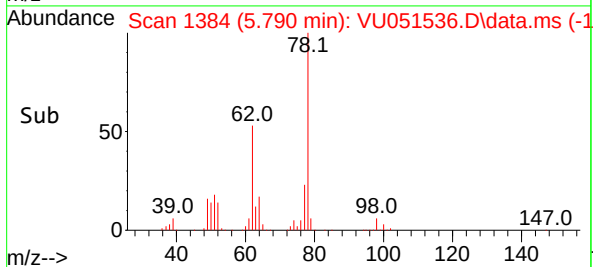
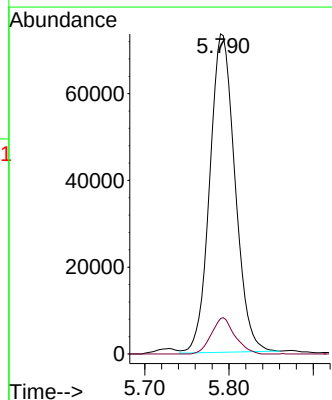
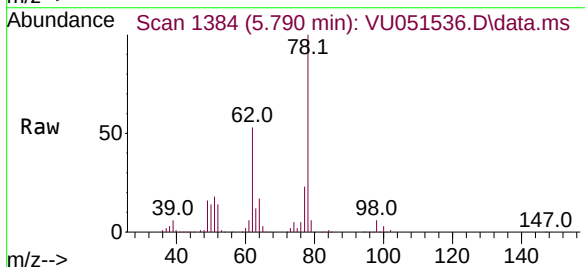
Acq: 27 Oct 2022 05:55

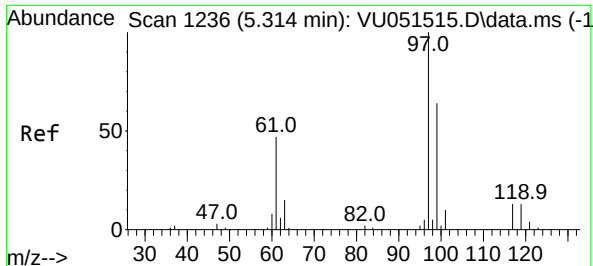
Tgt Ion: 62 Resp: 152803

Ion Ratio Lower Upper

62 100

98 11.1 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 4.520 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

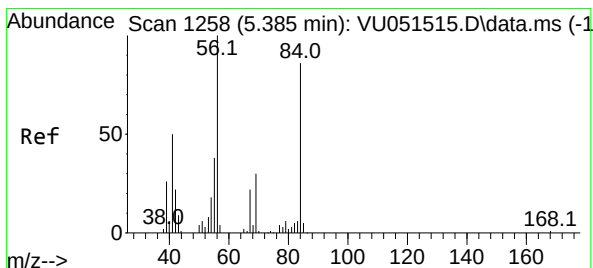
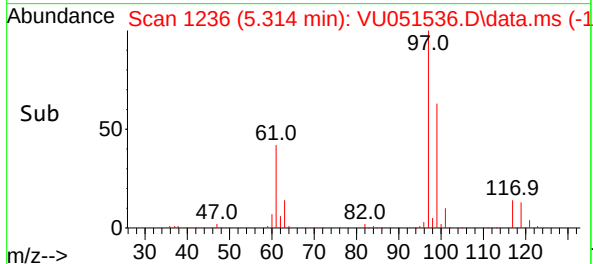
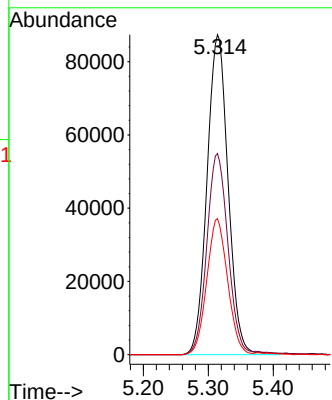
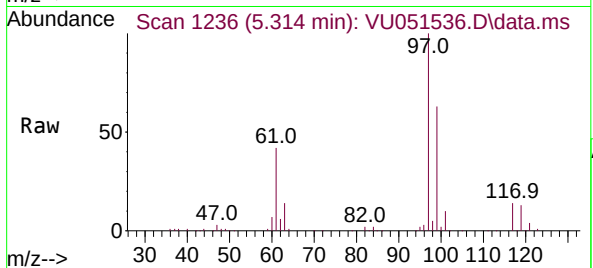
Tgt Ion: 97 Resp: 197342

Ion Ratio Lower Upper

97 100

99 63.5 50.2 75.4

61 42.1 38.7 58.1



#30

Cyclohexane

Concen: 5.288 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

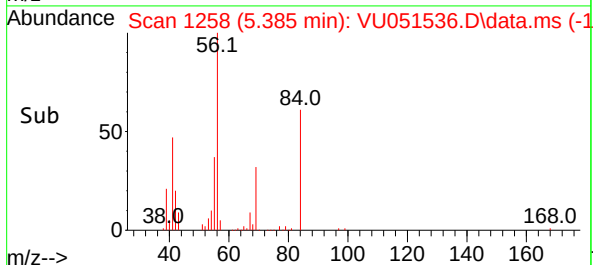
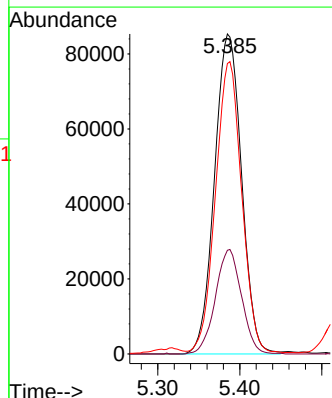
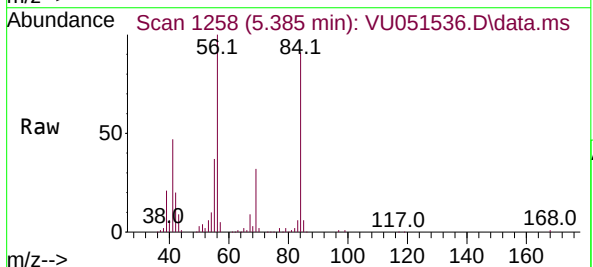
Tgt Ion: 56 Resp: 195820

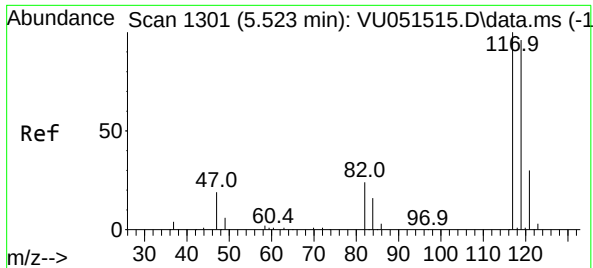
Ion Ratio Lower Upper

56 100

69 31.6 25.1 37.7

84 88.9 70.9 106.3

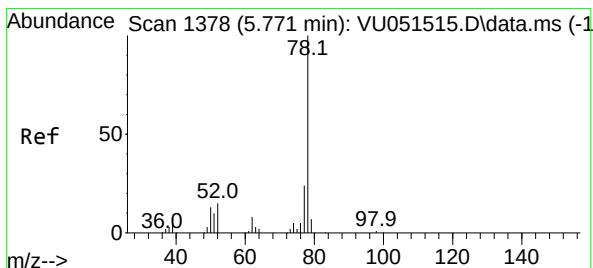
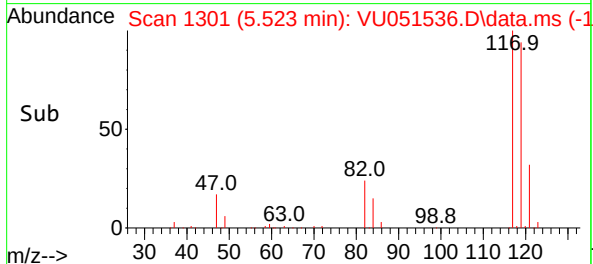
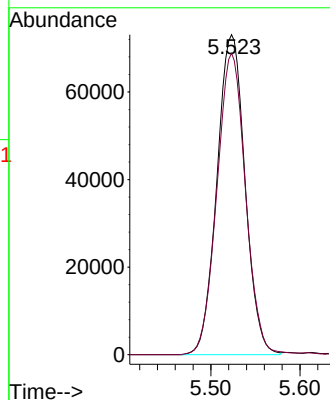
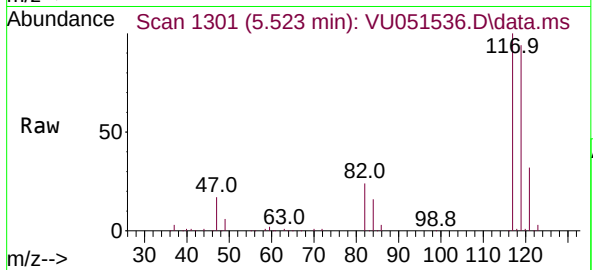




#31
Carbon tetrachloride
Concen: 4.326 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

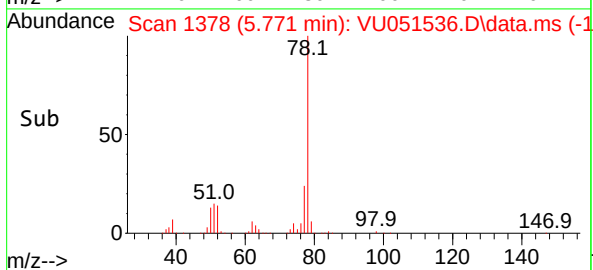
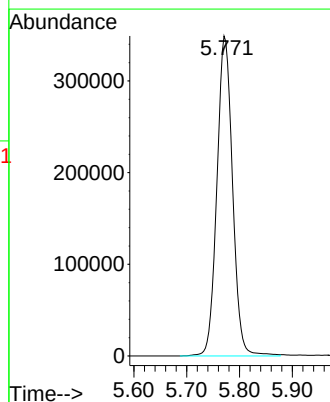
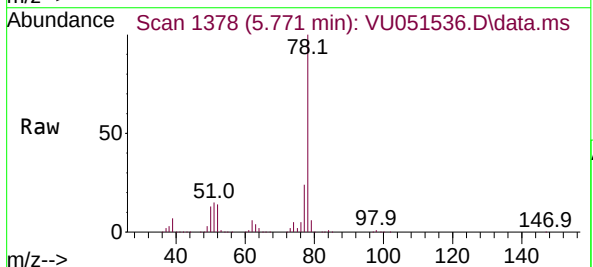
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

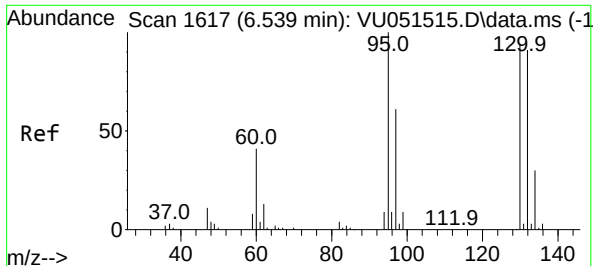
Tgt Ion:117 Resp: 159824
Ion Ratio Lower Upper
117 100
119 96.0 78.4 117.6



#33
Benzene
Concen: 5.910 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 78 Resp: 718921

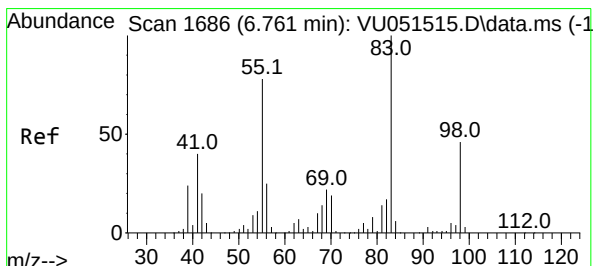
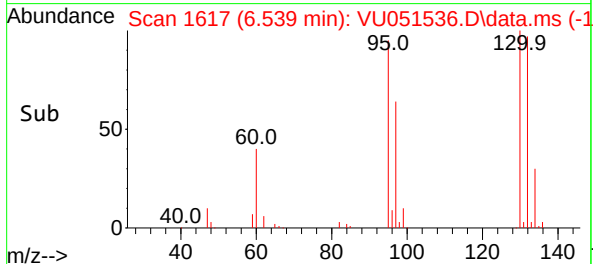
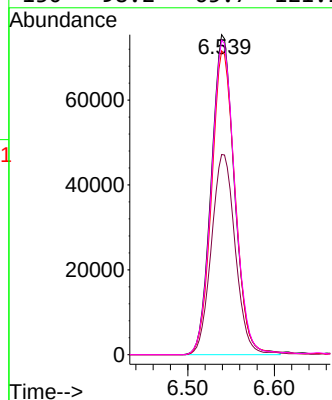
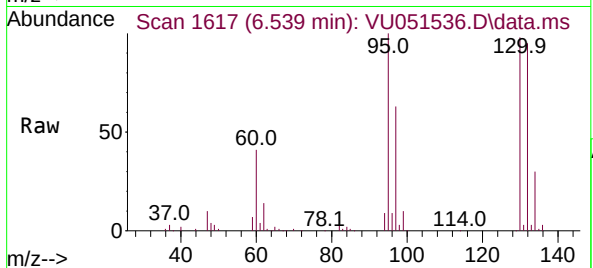




#34
Trichloroethene
Concen: 4.619 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

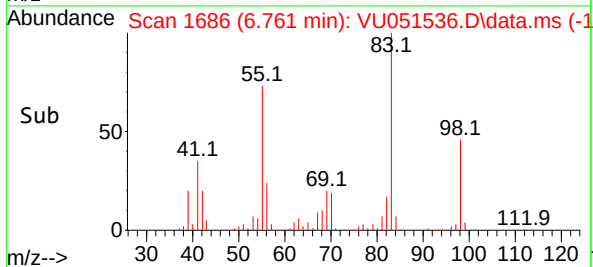
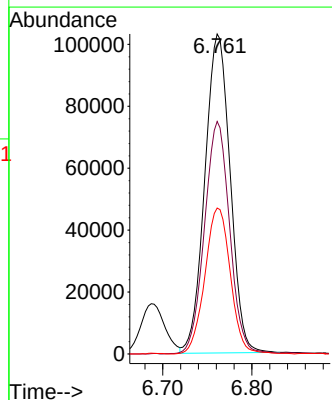
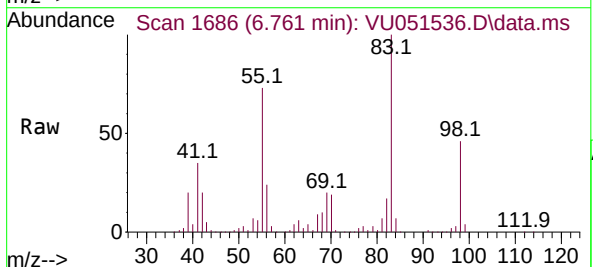
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

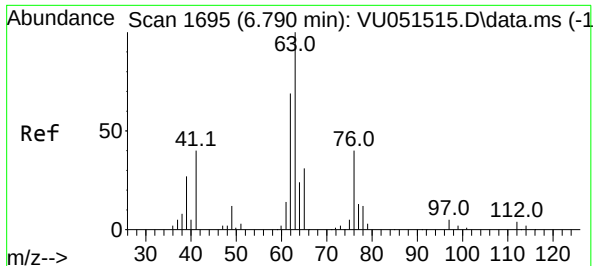
Tgt Ion: 95 Resp: 140166
Ion Ratio Lower Upper
95 100
97 62.5 45.4 84.2
132 95.0 63.1 117.3
130 98.2 65.7 121.9



#35
Methylcyclohexane
Concen: 5.318 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 83 Resp: 203589
Ion Ratio Lower Upper
83 100
55 72.6 65.8 98.6
98 46.1 35.9 53.9





#37

1,2-Dichloropropane

Concen: 4.356 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

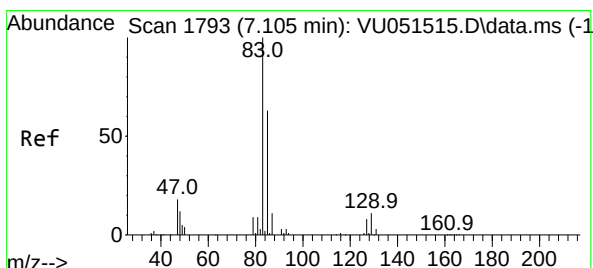
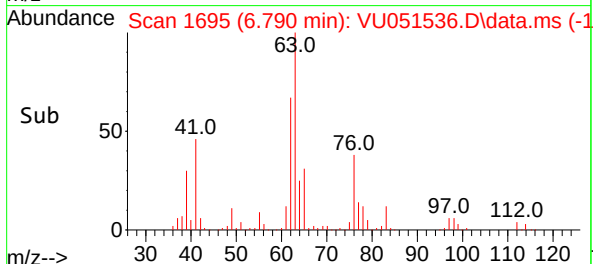
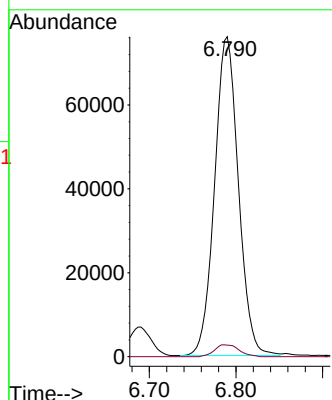
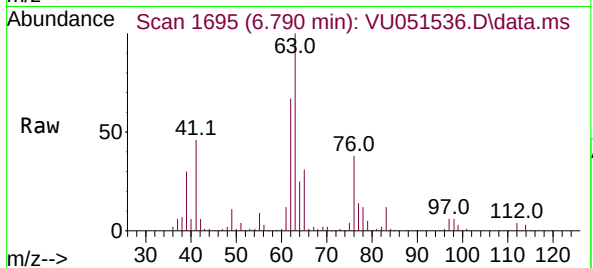
VSTD005183

Tgt Ion: 63 Resp: 145230

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 4.477 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

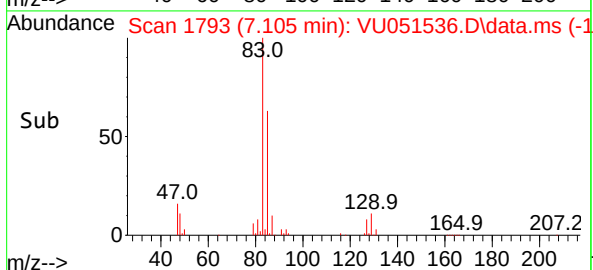
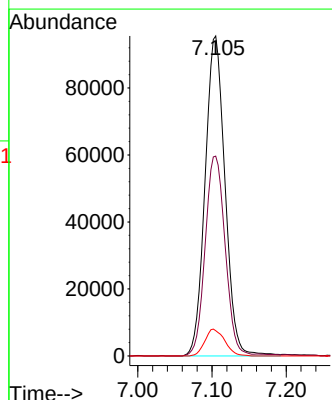
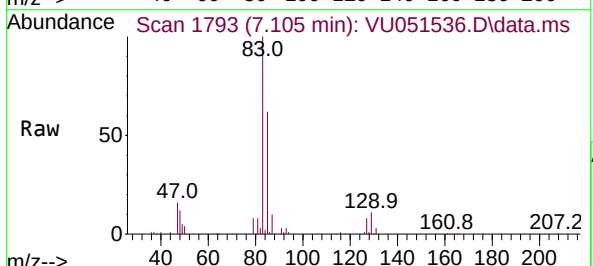
Tgt Ion: 83 Resp: 178058

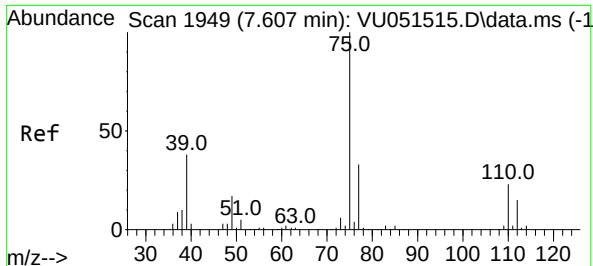
Ion Ratio Lower Upper

83 100

85 62.5 44.8 83.2

127 7.9 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.645 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

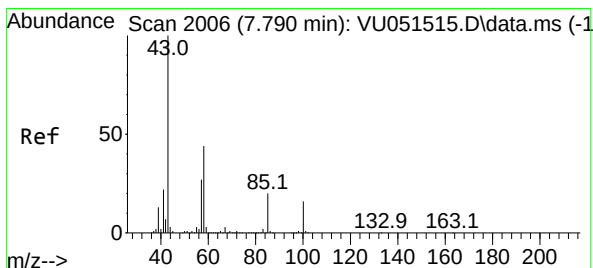
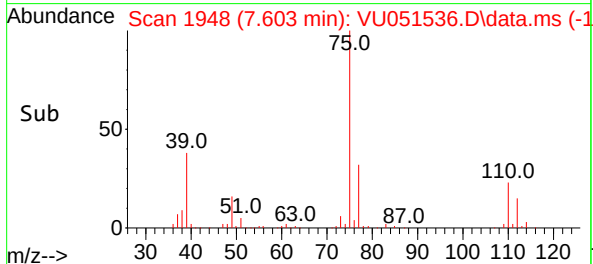
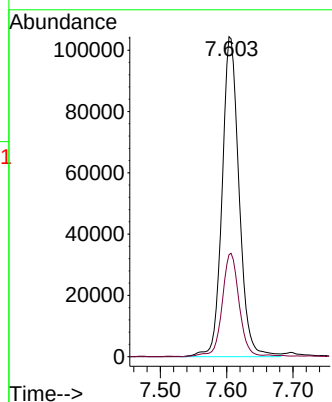
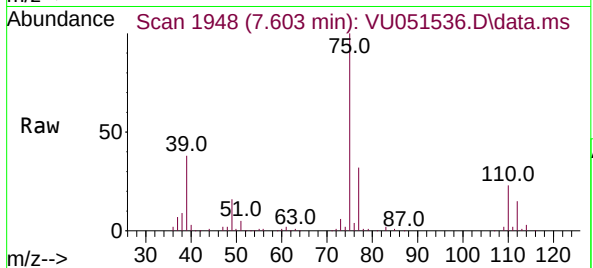
VSTD005183

Tgt Ion: 75 Resp: 186121

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 50.004 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

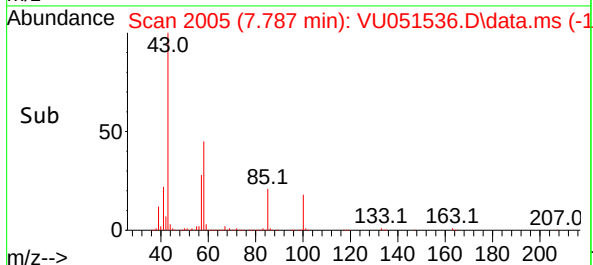
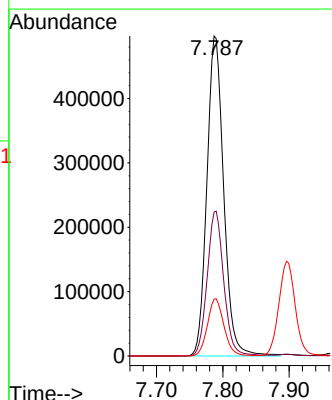
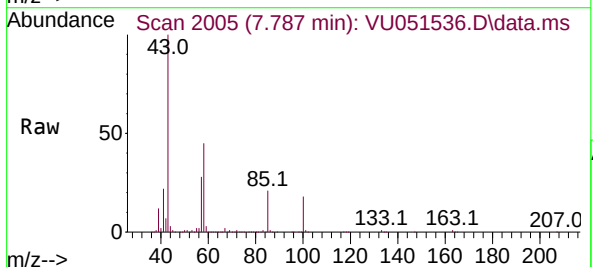
Tgt Ion: 43 Resp: 874621

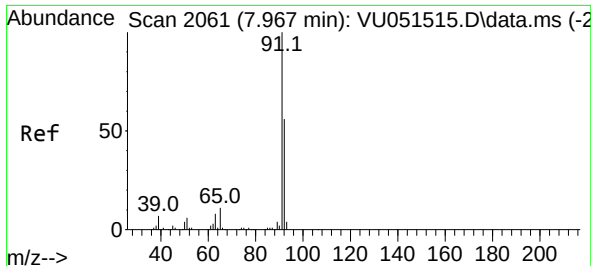
Ion Ratio Lower Upper

43 100

58 44.8 33.0 49.6

100 17.6 11.8 17.6





#42

Toluene

Concen: 8.089 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

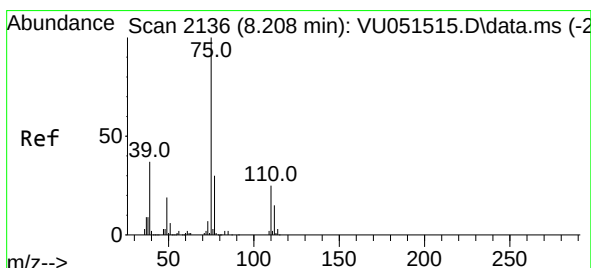
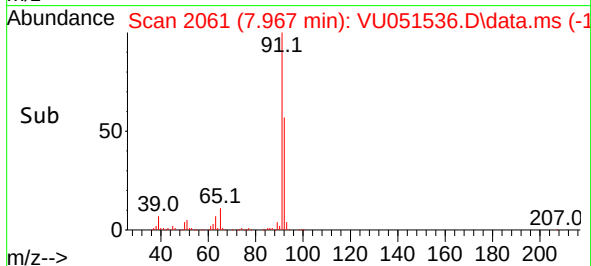
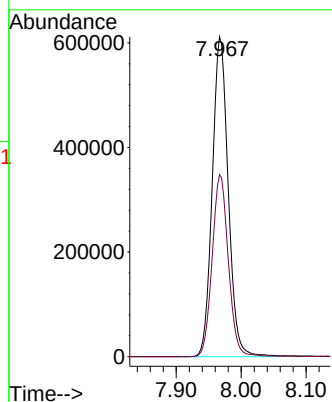
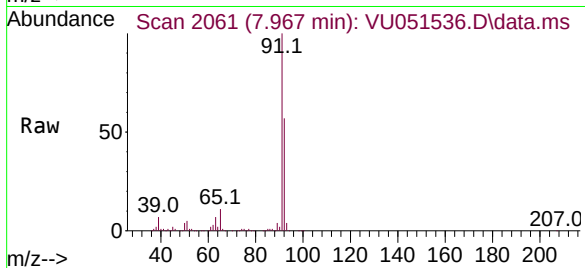
VSTD005183

Tgt Ion: 91 Resp: 1044323

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.465 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051536.D

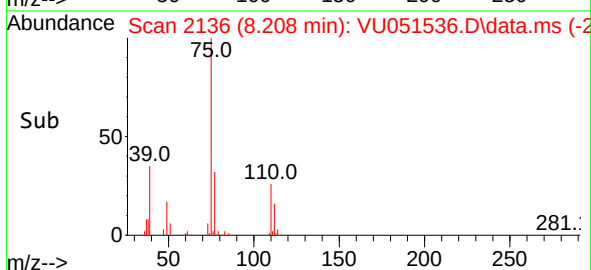
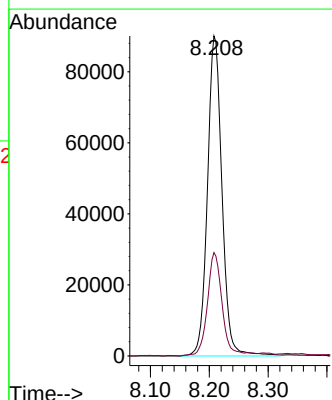
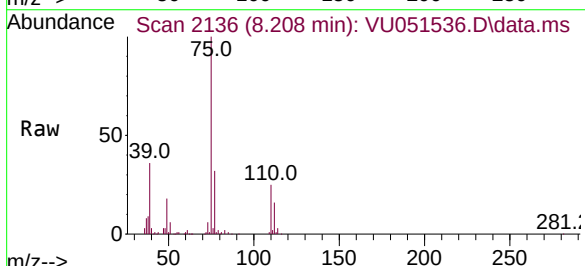
Acq: 27 Oct 2022 05:55

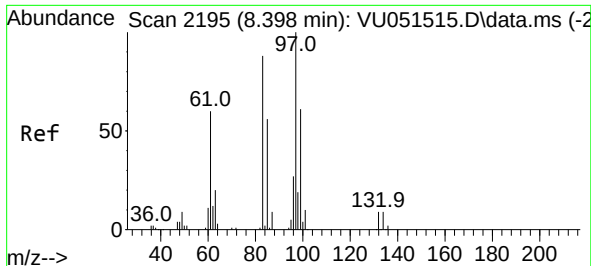
Tgt Ion: 75 Resp: 154733

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



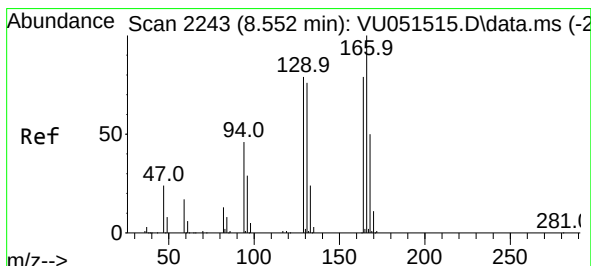
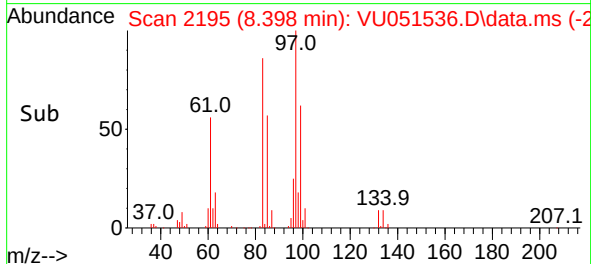
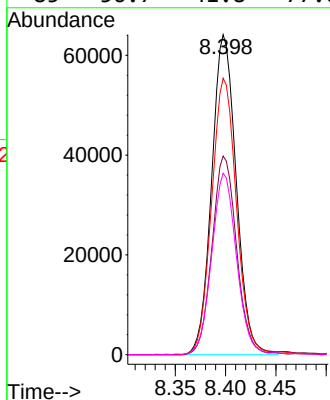
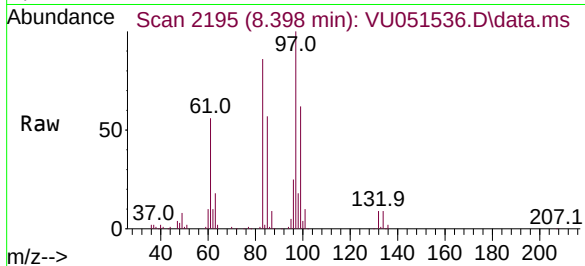


#45
 1,1,2-Trichloroethane
 Concen: 4.652 ug/L
 RT: 8.398 min Scan# 2195
 Delta R.T. -0.000 min
 Lab File: VU051536.D
 Acq: 27 Oct 2022 05:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Tgt Ion: 97 Resp: 108893

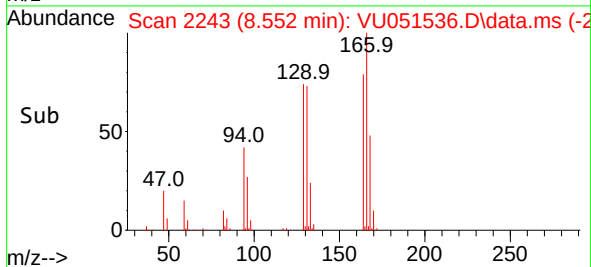
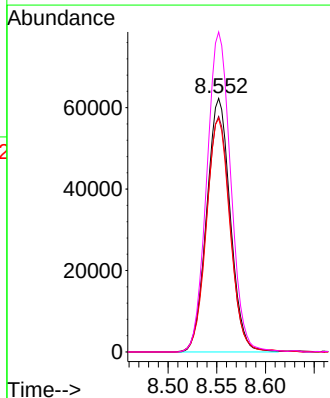
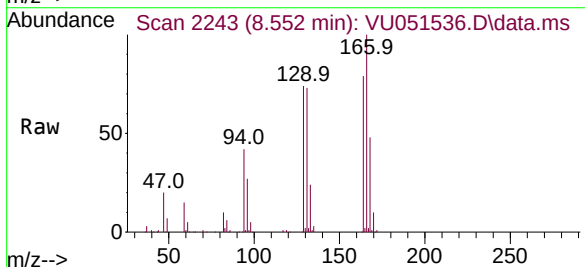
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.3	84.1
83	86.4	63.1	117.1
85	56.7	41.8	77.6

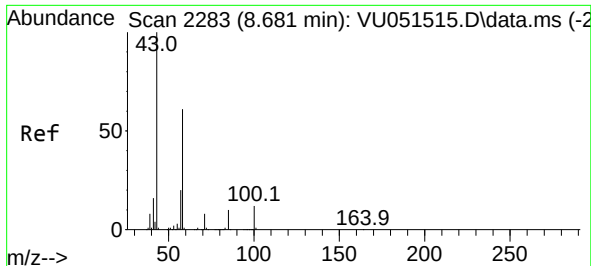


#47
 Tetrachloroethene
 Concen: 4.704 ug/L
 RT: 8.552 min Scan# 2243
 Delta R.T. -0.000 min
 Lab File: VU051536.D
 Acq: 27 Oct 2022 05:55

Tgt Ion: 164 Resp: 104954

Ion	Ratio	Lower	Upper
164	100		
129	92.9	71.3	132.3
131	92.0	66.9	124.3
166	126.2	90.9	168.7

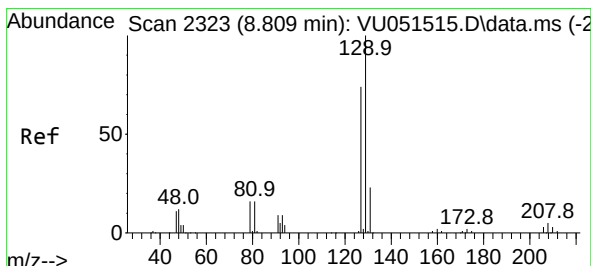
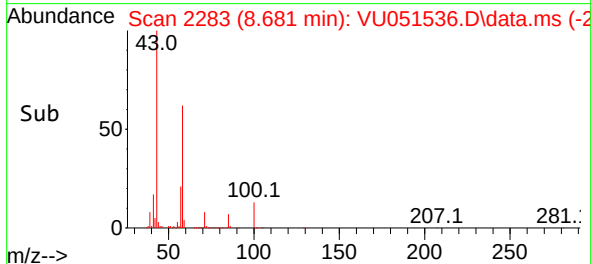
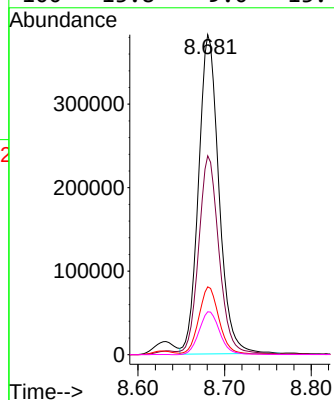
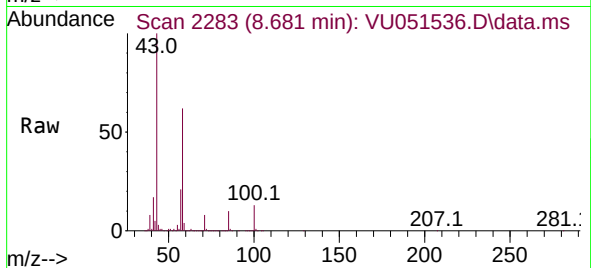




#48
2-Hexanone
Concen: 47.986 ug/L
RT: 8.681 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

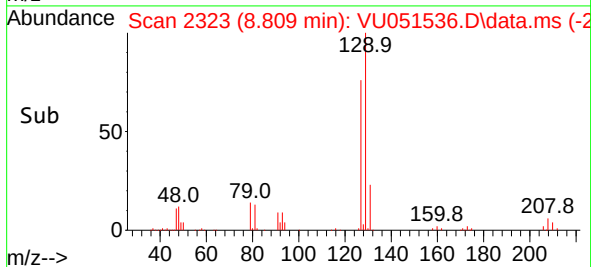
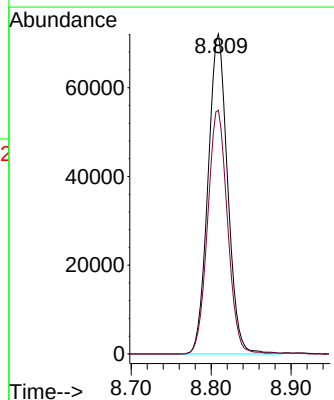
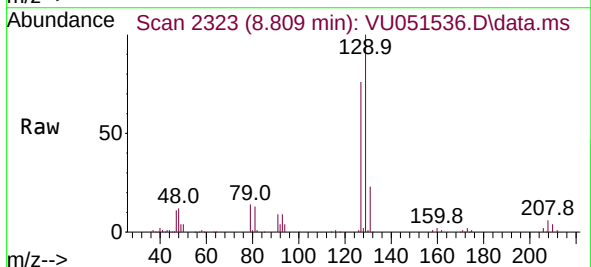
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

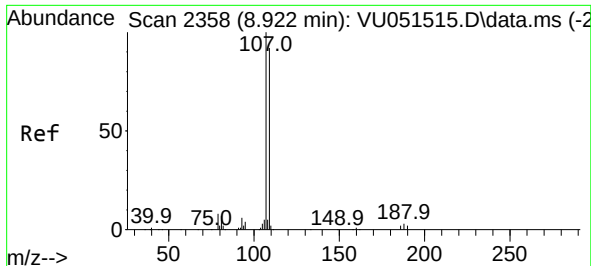
Tgt Ion: 43 Resp: 624937
Ion Ratio Lower Upper
43 100
58 62.0 48.2 72.2
57 20.8 15.5 23.3
100 13.8 9.0 13.4#



#49
Dibromochloromethane
Concen: 4.677 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 129 Resp: 122921
Ion Ratio Lower Upper
129 100
127 76.1 53.5 99.3





#50

1,2-Dibromoethane

Concen: 4.937 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

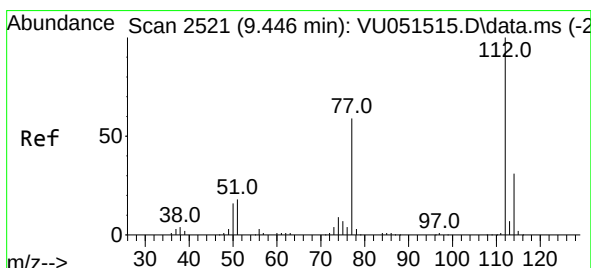
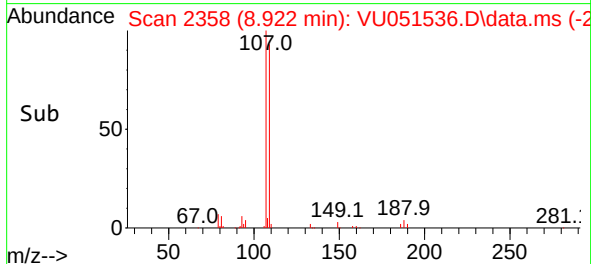
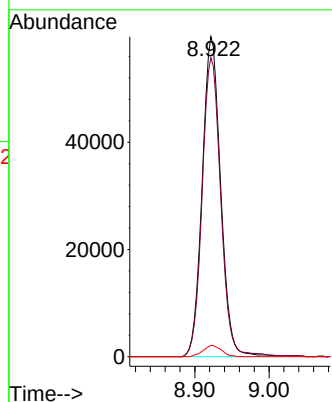
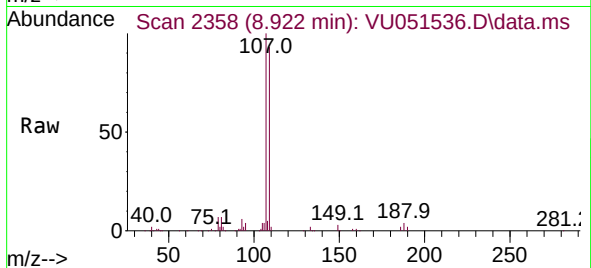
Tgt Ion:107 Resp: 102864

Ion Ratio Lower Upper

107 100

109 93.4 67.1 124.7

188 3.6 2.5 3.7



#51

Chlorobenzene

Concen: 5.455 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

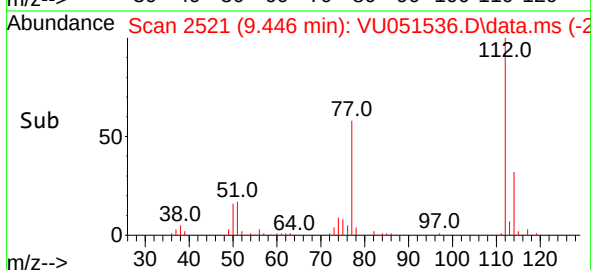
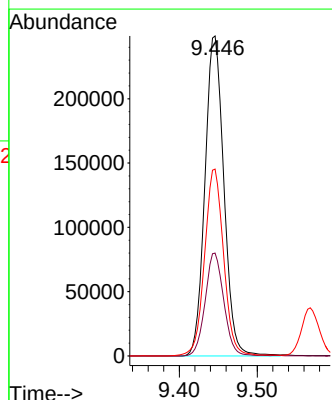
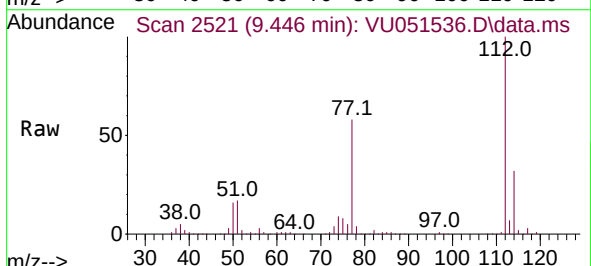
Tgt Ion:112 Resp: 420845

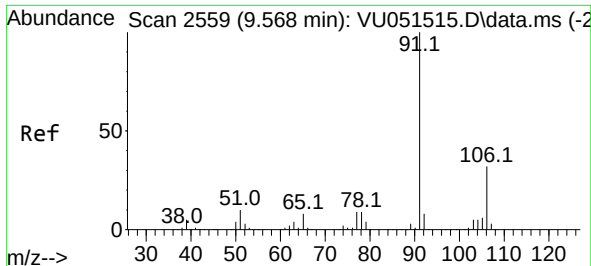
Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

77 58.4 48.1 72.1

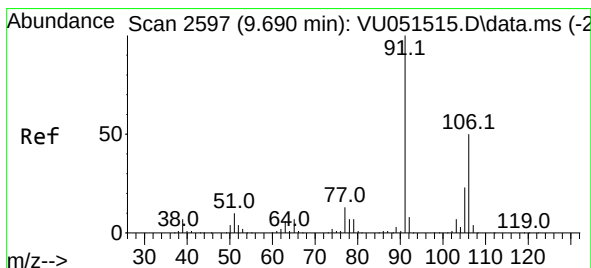
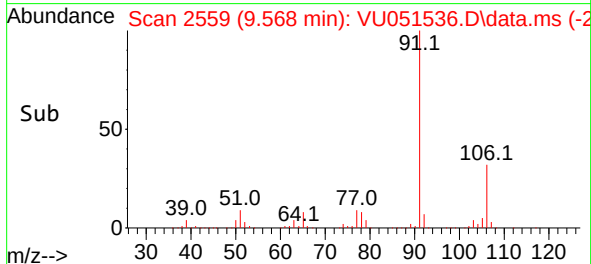
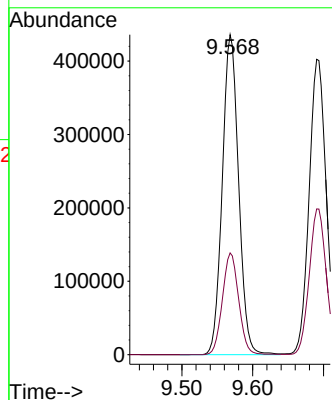
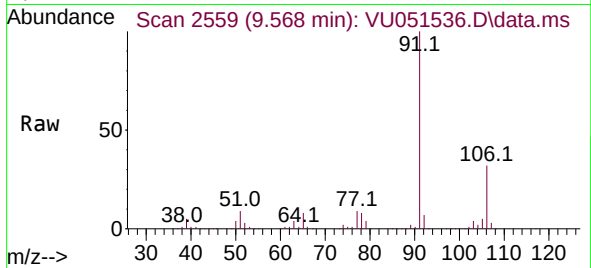




#52
Ethylbenzene
Concen: 6.001 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

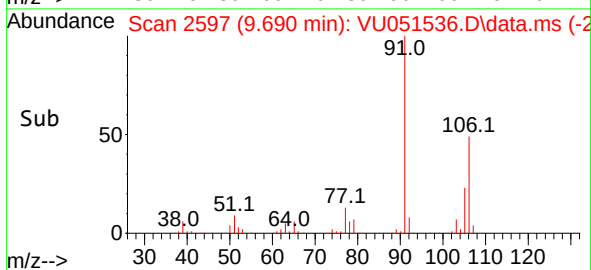
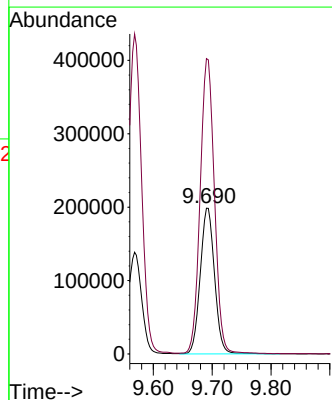
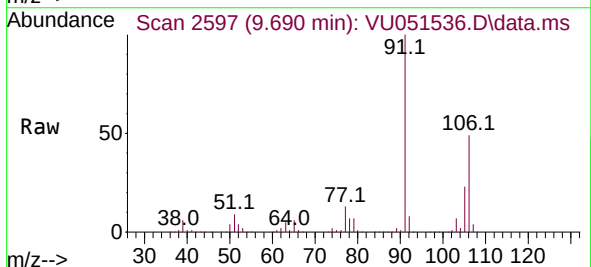
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

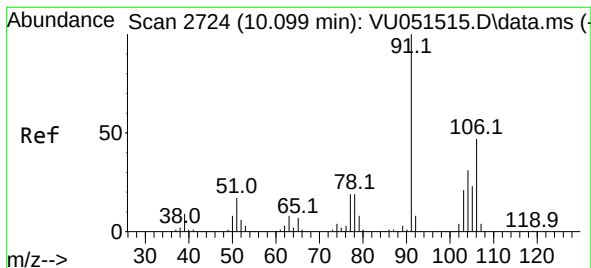
Tgt Ion: 91 Resp: 696276
Ion Ratio Lower Upper
91 100
106 31.8 20.9 38.7



#53
m,p-Xylene
Concen: 7.430 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 106 Resp: 334345
Ion Ratio Lower Upper
106 100
91 202.5 143.9 267.3





#54

o-Xylene

Concen: 6.350 ug/L

RT: 10.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

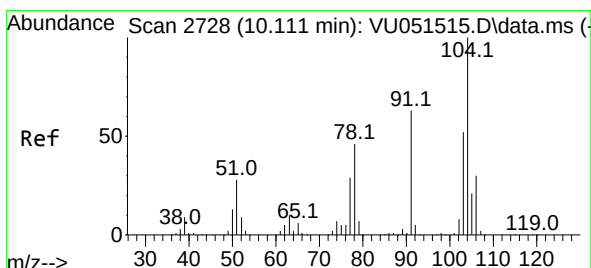
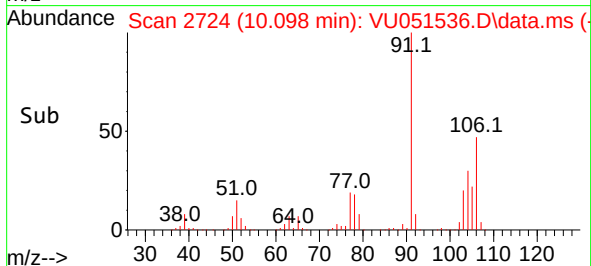
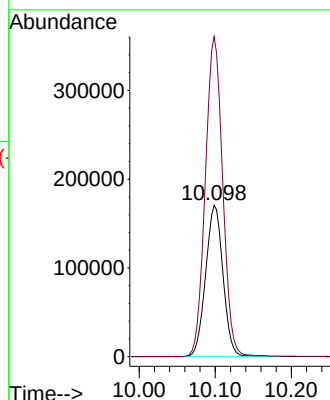
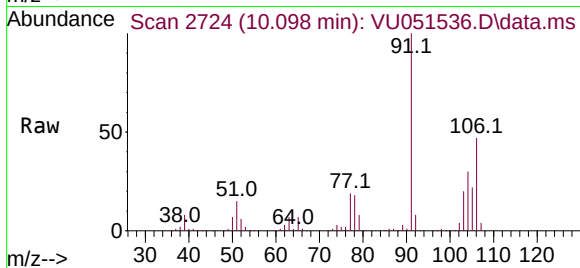
VSTD005183

Tgt Ion:106 Resp: 270349

Ion Ratio Lower Upper

106 100

91 211.1 154.4 286.8



#55

Styrene

Concen: 5.654 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU051536.D

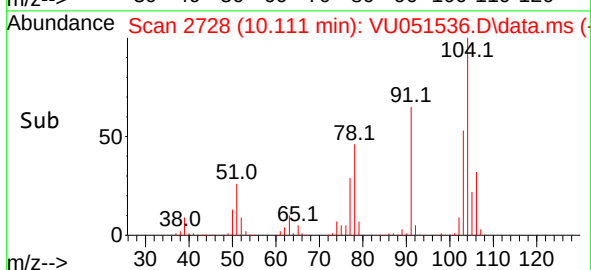
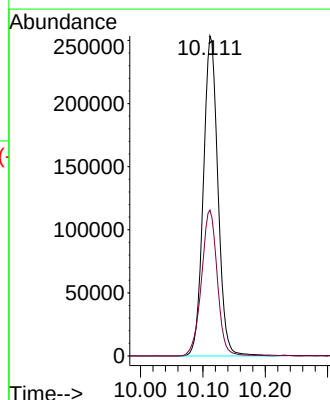
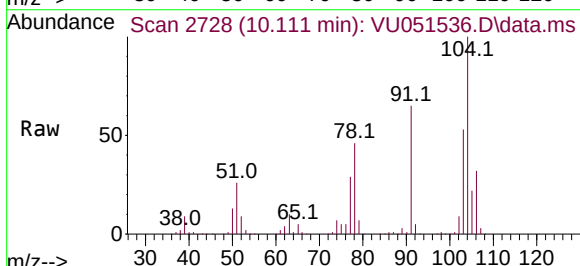
Acq: 27 Oct 2022 05:55

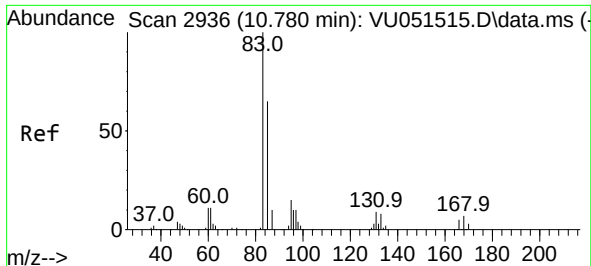
Tgt Ion:104 Resp: 414430

Ion Ratio Lower Upper

104 100

78 45.6 32.1 59.7





#57

1,1,2-Tetrachloroethane

Concen: 4.863 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

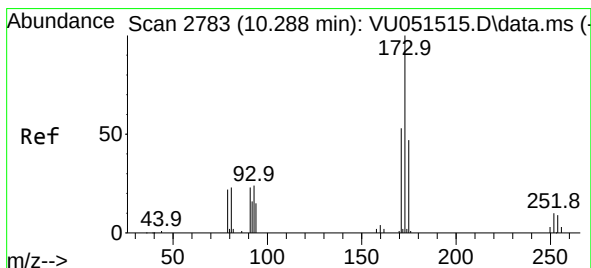
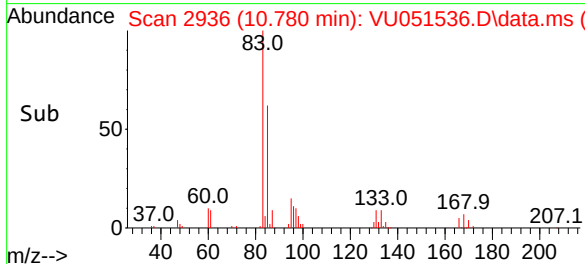
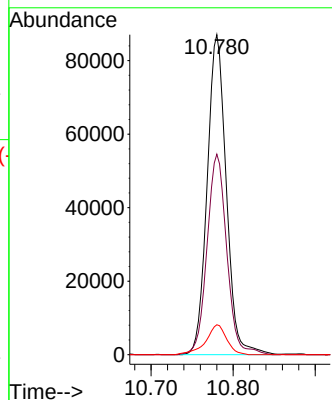
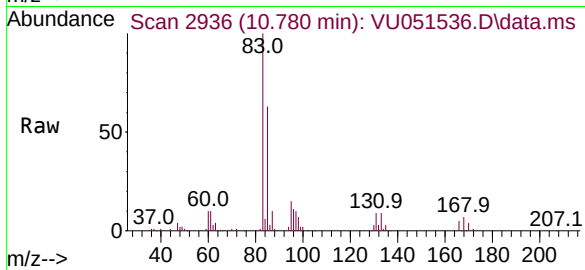
Tgt Ion: 83 Resp: 140891

Ion Ratio Lower Upper

83 100

85 62.7 45.9 85.3

131 9.4 7.4 11.2



#59

Bromoform

Concen: 4.529 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

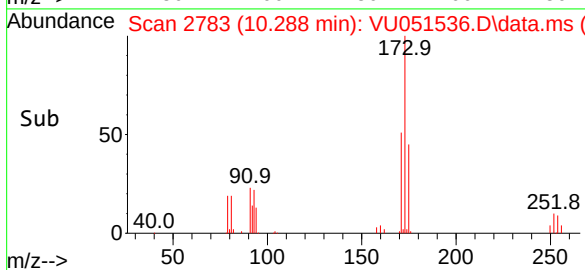
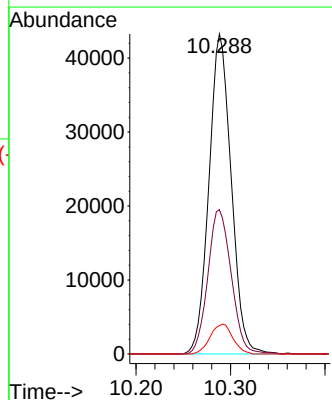
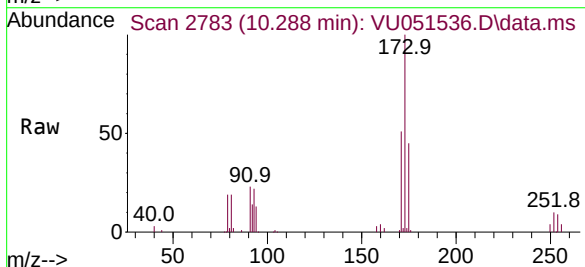
Tgt Ion:173 Resp: 70778

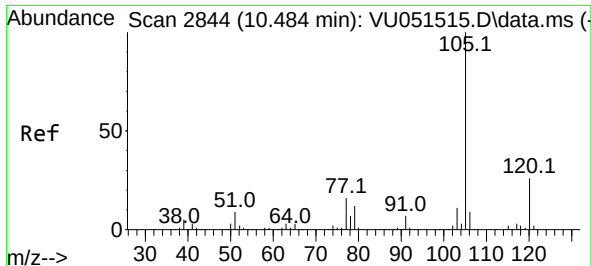
Ion Ratio Lower Upper

173 100

175 47.3 39.0 58.4

254 9.5 7.5 11.3

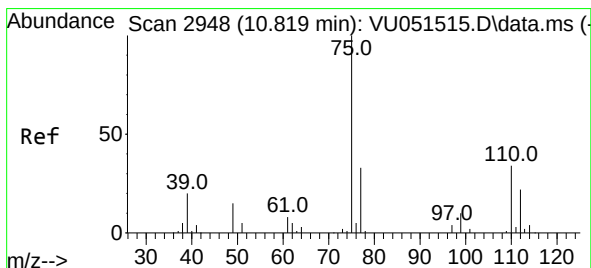
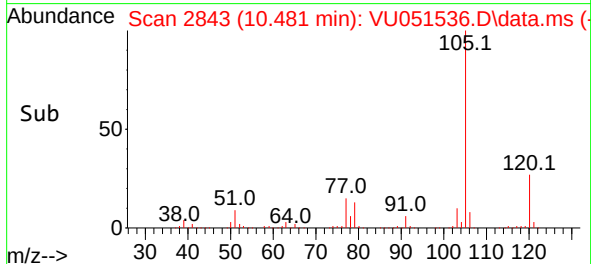
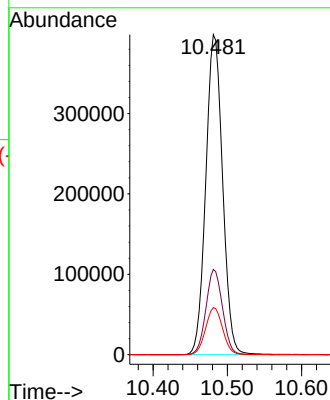
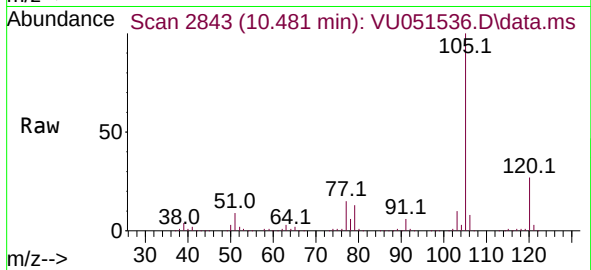




#60
Isopropylbenzene
Concen: 5.253 ug/L
RT: 10.481 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

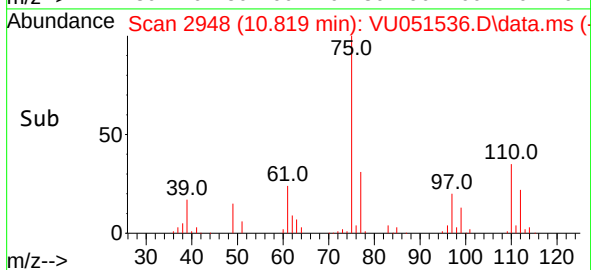
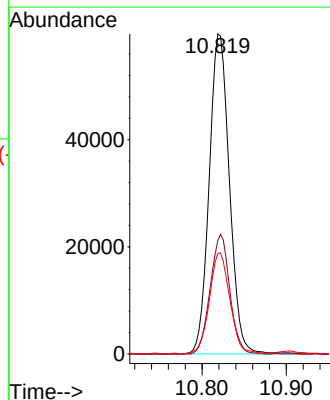
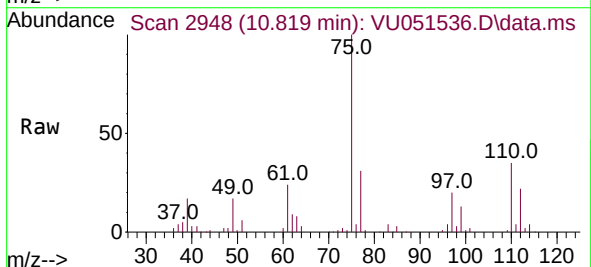
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

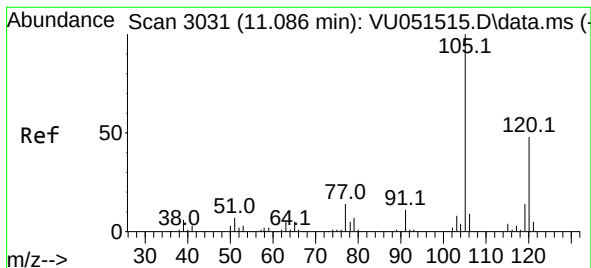
Tgt Ion:105 Resp: 625047
Ion Ratio Lower Upper
105 100
120 26.3 20.6 30.8
77 15.0 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 4.203 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion: 75 Resp: 99692
Ion Ratio Lower Upper
75 100
110 36.1 27.0 40.6
77 32.1 26.4 39.6





#62

1,3,5-Trimethylbenzene

Concen: 6.038 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

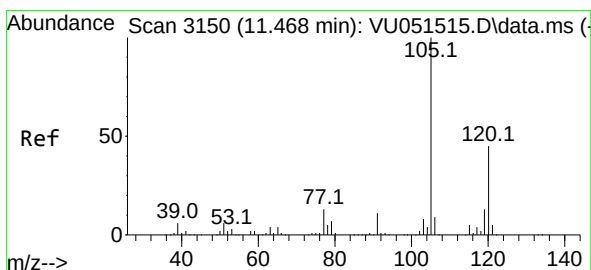
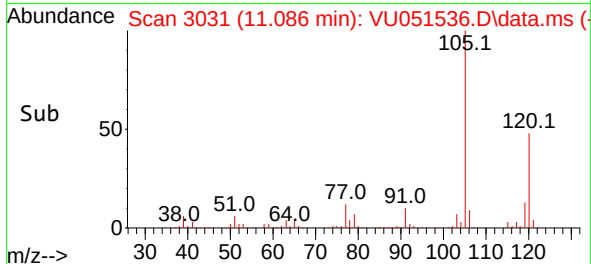
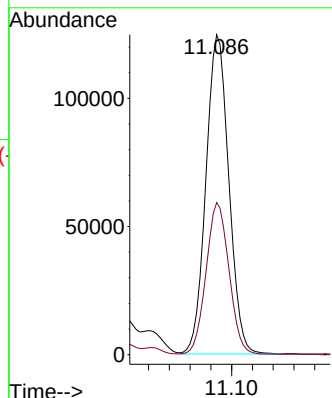
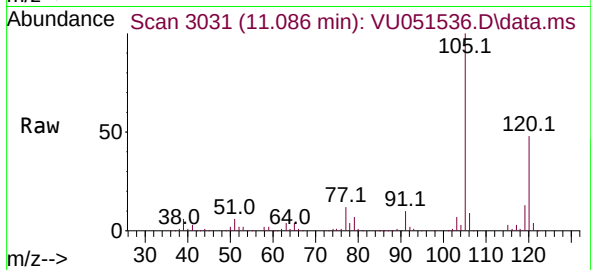
VSTD005183

Tgt Ion:105 Resp: 190604

Ion Ratio Lower Upper

105 100

120 47.5 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 6.339 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU051536.D

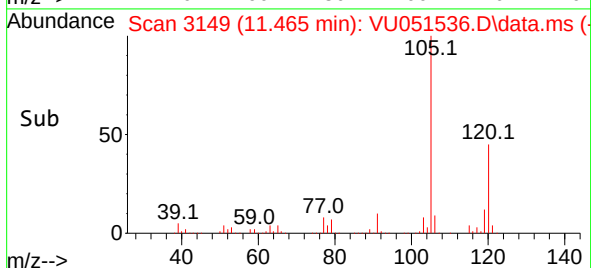
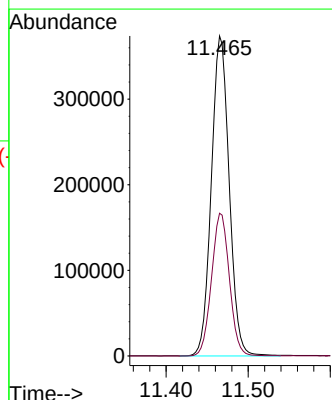
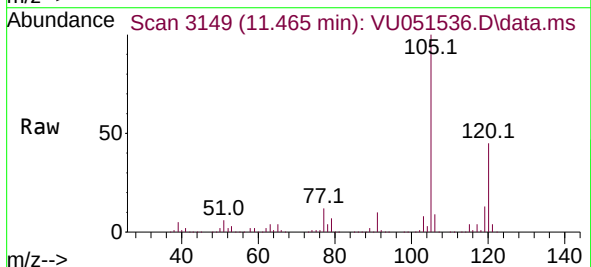
Acq: 27 Oct 2022 05:55

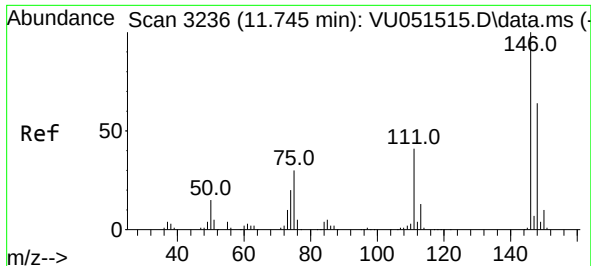
Tgt Ion:105 Resp: 565842

Ion Ratio Lower Upper

105 100

120 44.8 35.6 53.4

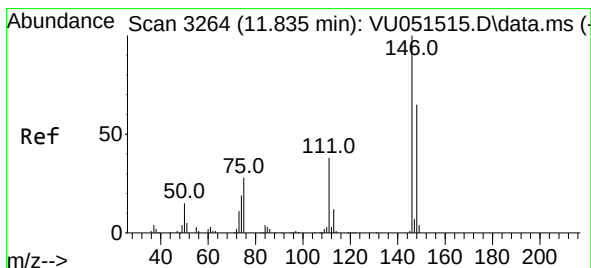
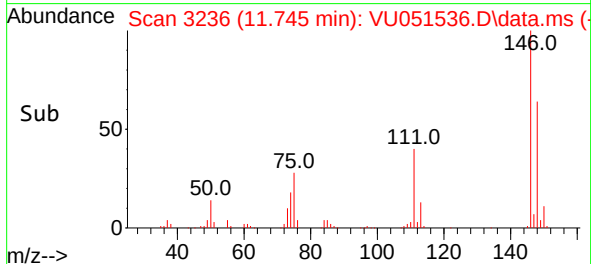
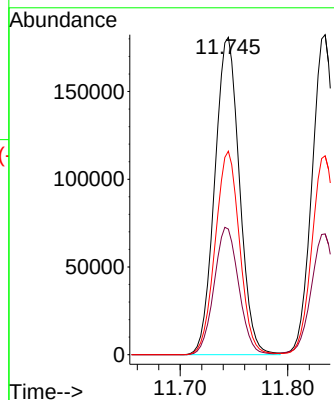
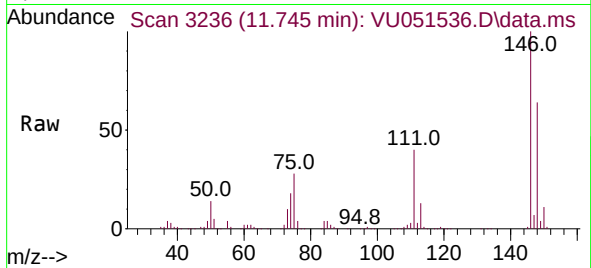




#64
1,3-Dichlorobenzene
Concen: 4.906 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

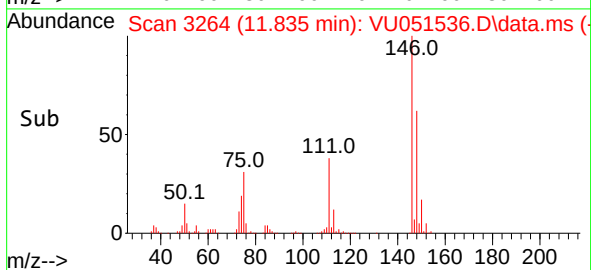
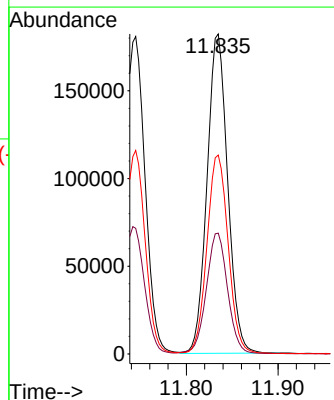
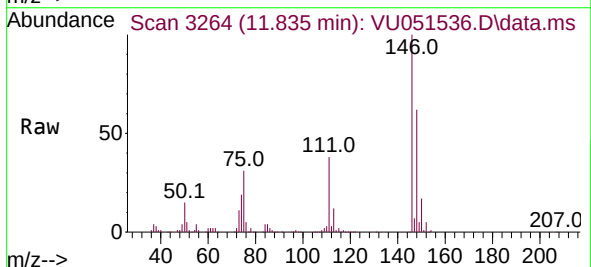
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

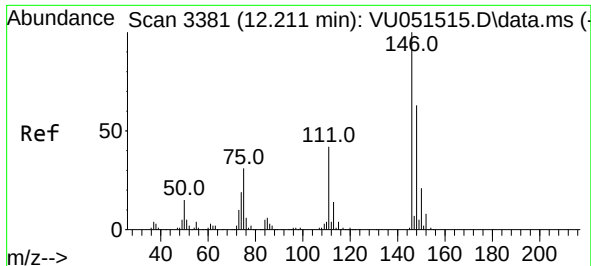
Tgt Ion:146 Resp: 288767
Ion Ratio Lower Upper
146 100
111 39.6 28.3 52.7
148 64.1 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 4.910 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion:146 Resp: 284832
Ion Ratio Lower Upper
146 100
111 37.8 29.1 54.1
148 62.2 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 4.869 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

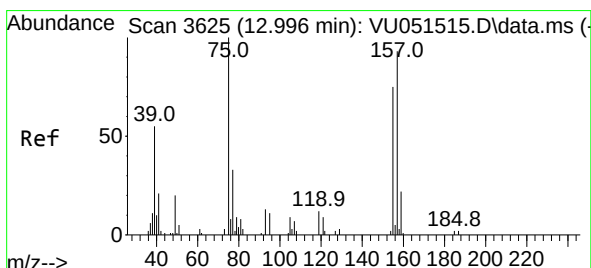
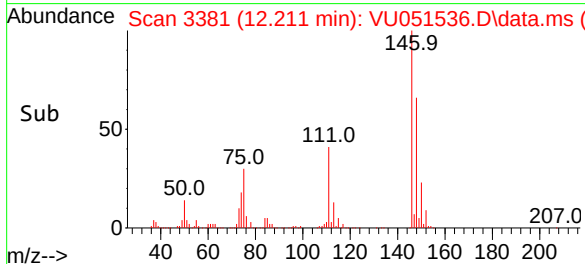
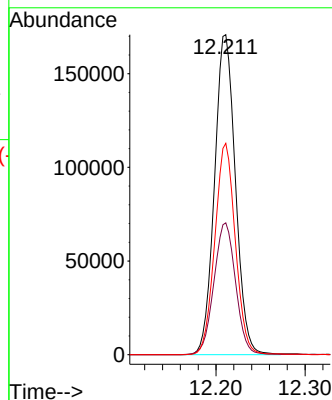
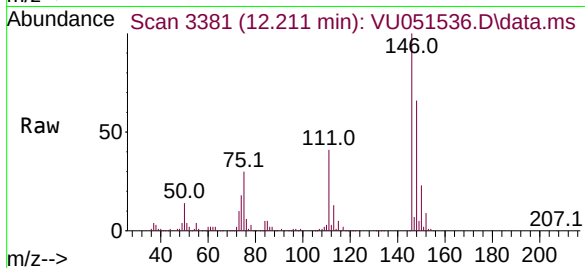
Tgt Ion:146 Resp: 278591

Ion Ratio Lower Upper

146 100

111 41.2 35.5 53.3

148 66.1 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.643 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU051536.D

Acq: 27 Oct 2022 05:55

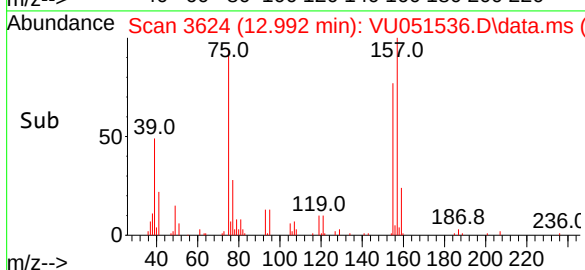
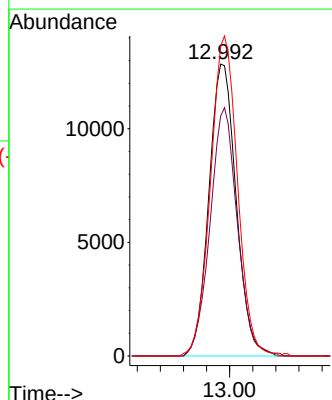
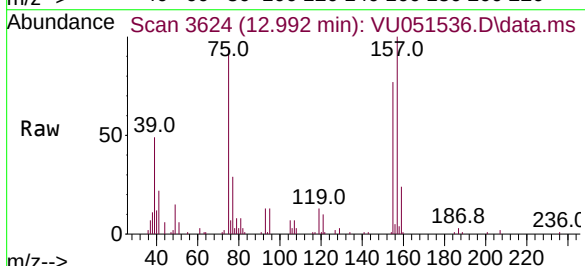
Tgt Ion: 75 Resp: 21068

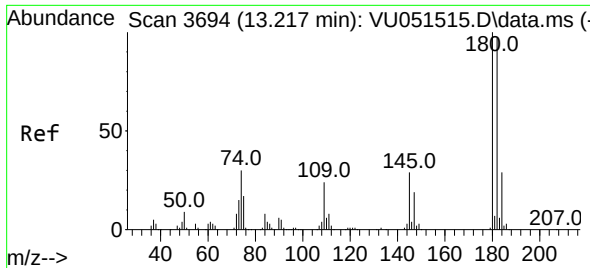
Ion Ratio Lower Upper

75 100

155 82.3 62.7 94.1

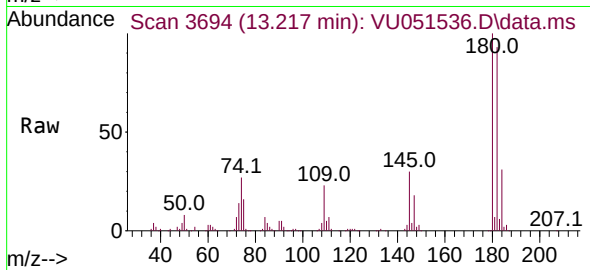
157 106.2 78.3 117.5



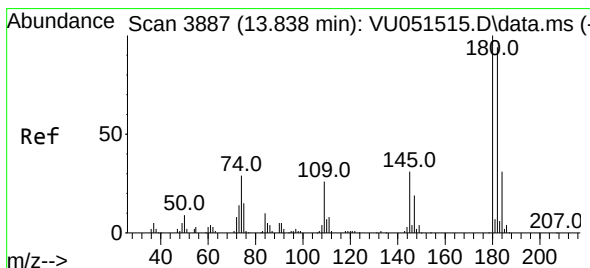
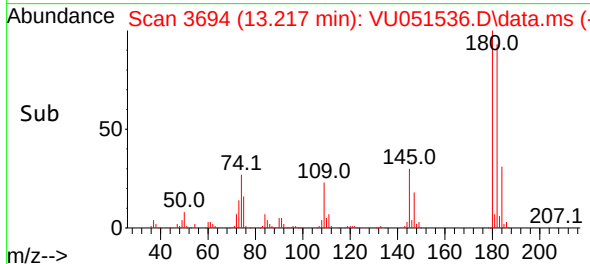
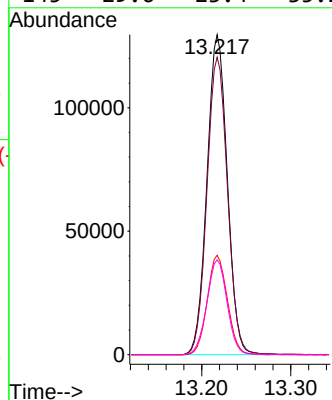


#69
 1,3,5-Trichlorobenzene
 Concen: 5.050 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051536.D
 Acq: 27 Oct 2022 05:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

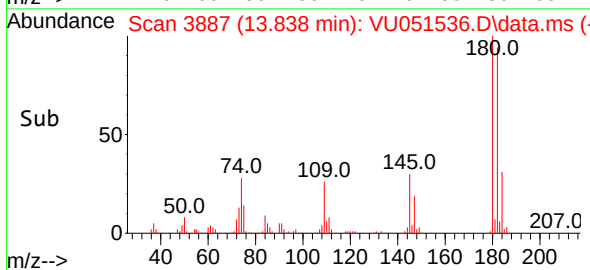
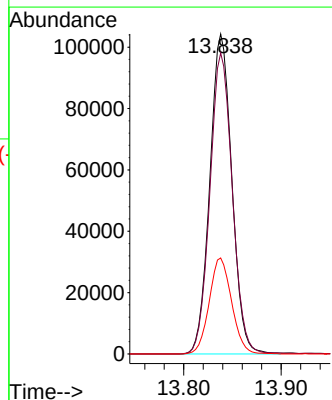
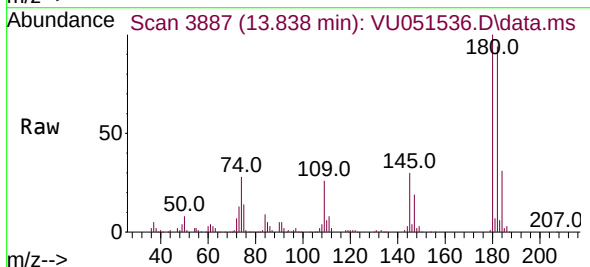


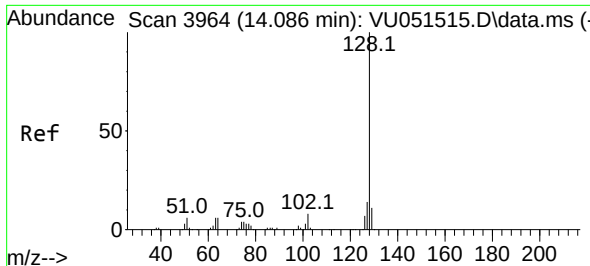
Tgt Ion:180 Resp: 204897
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.7 116.5
 184 30.8 23.6 35.4
 145 29.6 23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.684 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051536.D
 Acq: 27 Oct 2022 05:55

Tgt Ion:180 Resp: 163894
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.7 118.1
 145 30.5 25.0 37.4

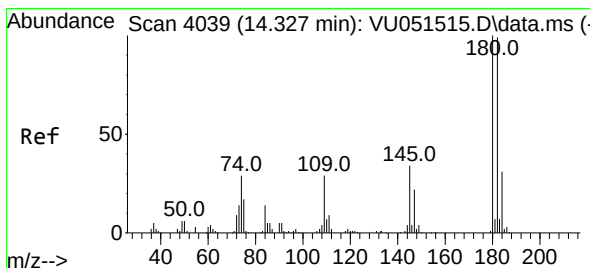
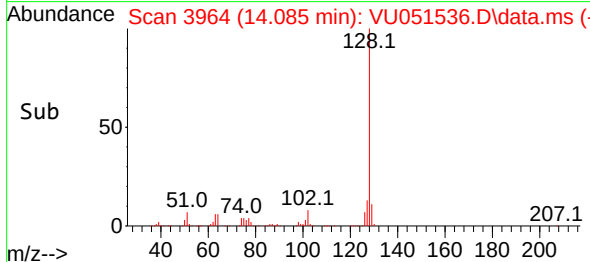
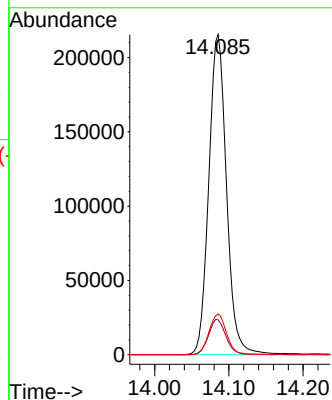
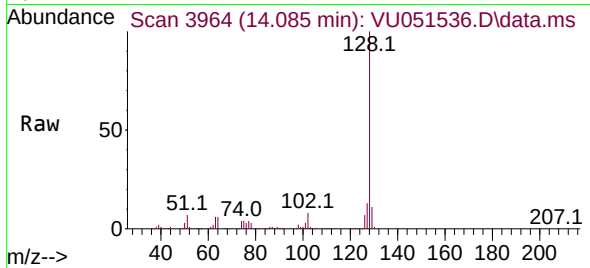




#71
Naphthalene
Concen: 6.647 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

Tgt Ion:128 Resp: 356264
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 12.6 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 5.409 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051536.D
Acq: 27 Oct 2022 05:55

Tgt Ion:180 Resp: 161344
Ion Ratio Lower Upper
180 100
182 96.9 76.6 114.8
145 32.5 25.8 38.8

