

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100622\
 Data File : VU051164.D
 Acq On : 06 Oct 2022 11:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

Quant Time: Oct 07 01:25:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	471810	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	462151	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	221315	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	224642	46.981	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.960%
7) Chloroethane-d5	1.909	69	190295	42.843	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.680%
11) 1,1-Dichloroethene-d2	2.565	63	350044	49.560	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.120%
21) 2-Butanone-d5	4.620	46	335550	108.198	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.200%
24) Chloroform-d	5.060	84	406000	52.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.400%
26) 1,2-Dichloroethane-d4	5.700	65	255173	53.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.020%
32) Benzene-d6	5.726	84	810803	59.911	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.820%
36) 1,2-Dichloropropane-d6	6.687	67	267099	60.822	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	121.640%#
41) Toluene-d8	7.896	98	725362	58.011	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.020%
43) trans-1,3-Dichloroprop...	8.179	79	97775	46.679	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.360%
47) 2-Hexanone-d5	8.629	63	183363	103.407	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.410%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	415777	54.173	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	253355	53.587	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	182834	46.213	ug/L	100
3) Chloromethane	1.524	50	241631	51.692	ug/L	99
5) Vinyl chloride	1.604	62	242950	48.973	ug/L	98
6) Bromomethane	1.848	94	264437	64.351	ug/L	97
8) Chloroethane	1.929	64	153956	42.263	ug/L	99
9) Trichlorofluoromethane	2.138	101	281895	42.260	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	165159	45.853	ug/L	98
12) 1,1-Dichloroethene	2.578	96	164255	48.819	ug/L	93
13) Acetone	2.623	43	221304	89.363	ug/L	98
14) Carbon disulfide	2.790	76	475552	47.815	ug/L	99
15) Methyl Acetate	2.945	43	243335	53.820	ug/L	96
16) Methylene chloride	3.044	84	227127	47.024	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	175119	48.924	ug/L	97
18) Methyl tert-butyl Ether	3.363	73	606296	55.737	ug/L	99
19) 1,1-Dichloroethane	3.867	63	362466	53.309	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	211401	52.895	ug/L	97
22) 2-Butanone	4.697	43	359353	105.026	ug/L	97
23) Bromochloromethane	4.974	128	111499	50.917	ug/L	96
25) Chloroform	5.086	83	375262	50.740	ug/L	98

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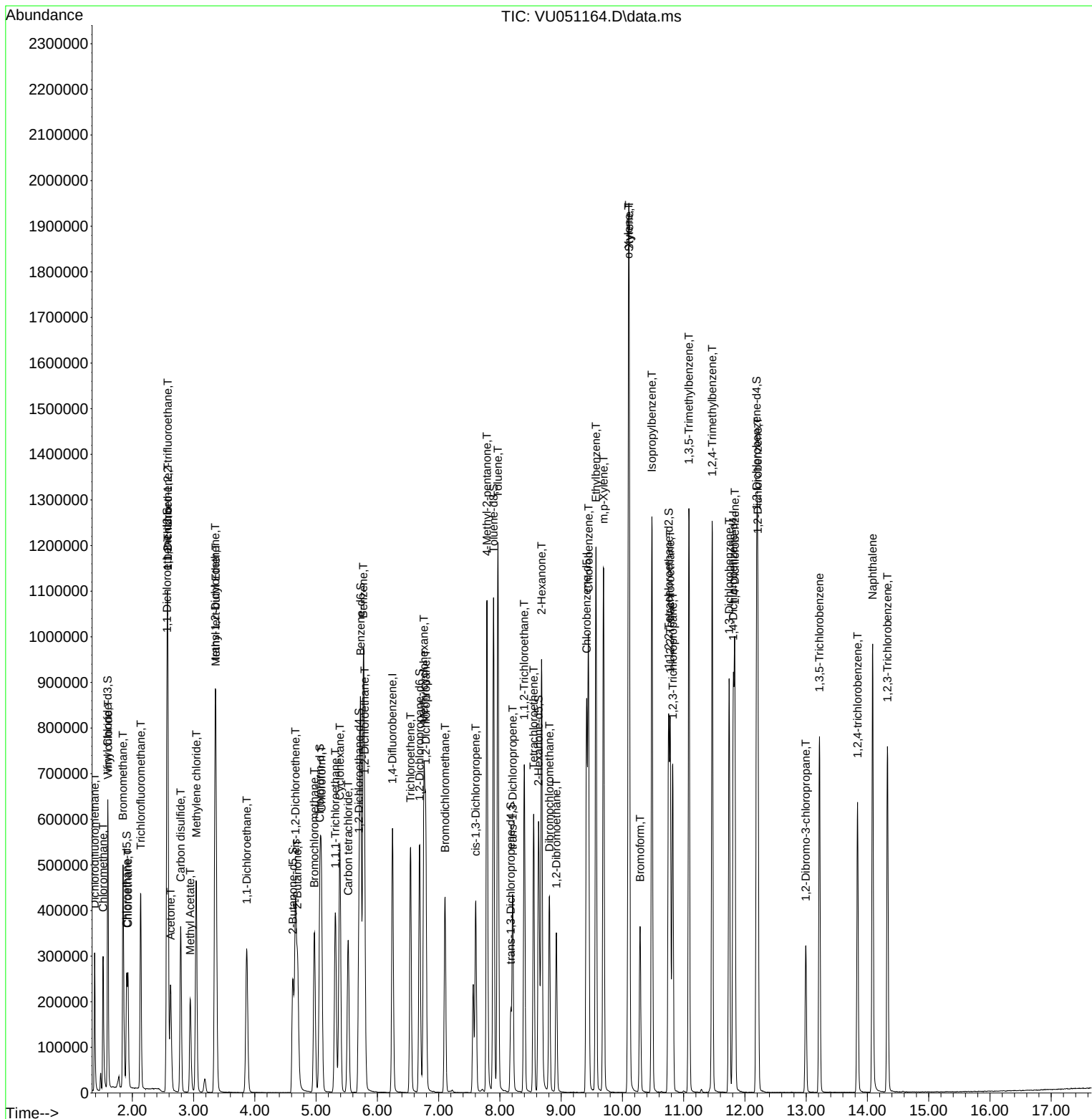
Instrument :
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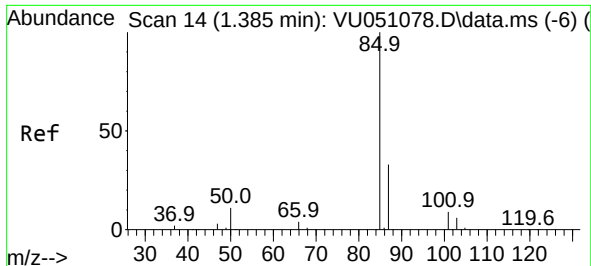
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	293792	51.858	ug/L	99
29) Cyclohexane	5.388	56	269420	59.872	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	286315	52.825	ug/L	100
31) Carbon tetrachloride	5.523	117	230116	52.036	ug/L	99
33) Benzene	5.771	78	843023	59.833	ug/L	100
34) Trichloroethene	6.543	95	189721	51.988	ug/L	99
35) Methylcyclohexane	6.761	83	266031	53.561	ug/L	97
37) 1,2-Dichloropropane	6.790	63	228920	60.335	ug/L	99
38) Bromodichloromethane	7.105	83	280179	55.333	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	252214	46.938	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	676624	123.141	ug/L	98
42) Toluene	7.967	91	890479	59.419	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	244400	44.984	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	226028	54.998	ug/L	99
46) Tetrachloroethene	8.552	164	133212	48.168	ug/L	98
48) 2-Hexanone	8.681	43	559014	112.009	ug/L	98
49) Dibromochloromethane	8.809	129	221521	51.267	ug/L	98
50) 1,2-Dibromoethane	8.922	107	234002	52.515	ug/L	98
51) Chlorobenzene	9.446	112	522195	51.238	ug/L	99
52) Ethylbenzene	9.568	91	841577	52.646	ug/L	99
53) m,p-Xylene	9.694	106	330688	55.011	ug/L	98
54) o-Xylene	10.099	106	330531	55.011	ug/L	99
55) Styrene	10.112	104	581080	55.955	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	395882	54.428	ug/L	98
59) Bromoform	10.288	173	163983	50.358	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	308209	52.920	ug/L	99
61) Isopropylbenzene	10.481	105	802389	55.811	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	671713	57.138	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	673060	57.123	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	367534	49.589	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	369207	49.834	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	394079	51.752	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.993	75	83236	48.974	ug/L	98
69) 1,3,5-Trichlorobenzene	13.218	180	239876	47.727	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	196717	47.837	ug/L	100
71) Naphthalene	14.086	128	776846	52.781	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	237335	51.721	ug/L	99

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

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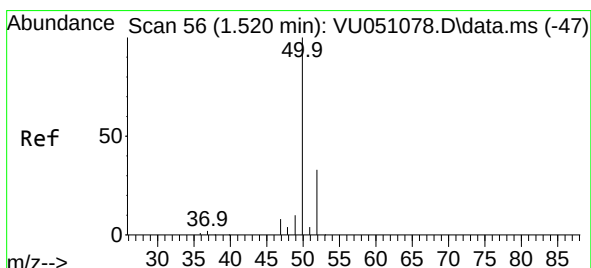
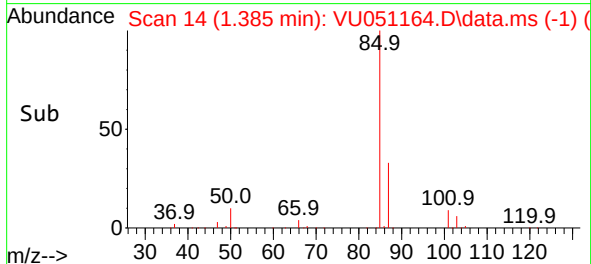
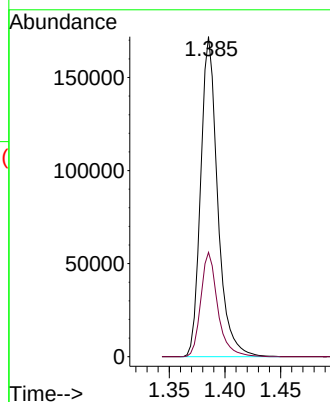
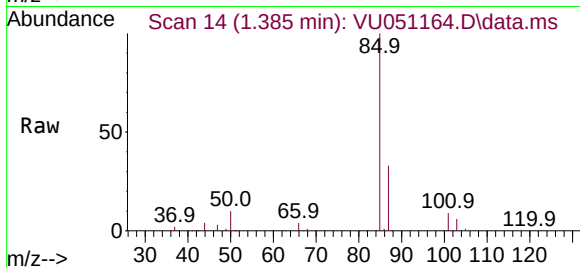




#2
Dichlorodifluoromethane
Concen: 46.213 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

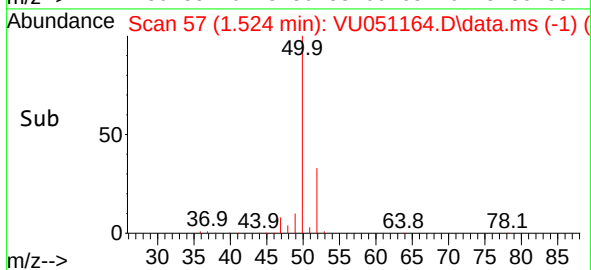
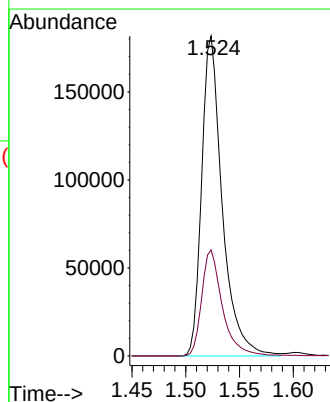
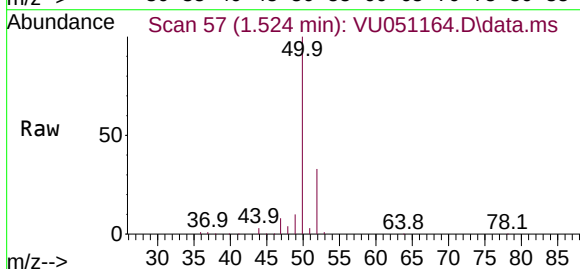
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

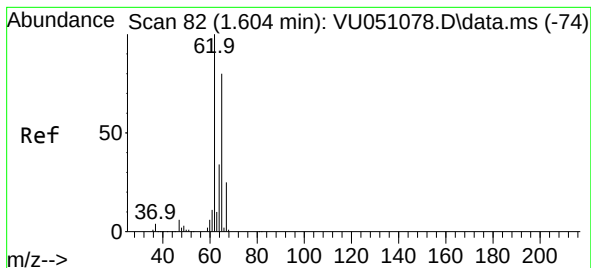
Tgt Ion: 85 Resp: 182834
Ion Ratio Lower Upper
85 100
87 32.4 25.9 38.9



#3
Chloromethane
Concen: 51.692 ug/L
RT: 1.524 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 50 Resp: 241631
Ion Ratio Lower Upper
50 100
52 33.1 23.7 44.1





#5

Vinyl chloride

Concen: 48.973 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

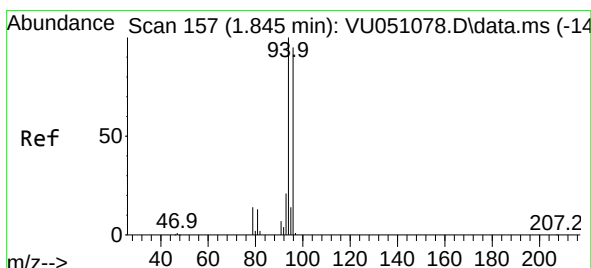
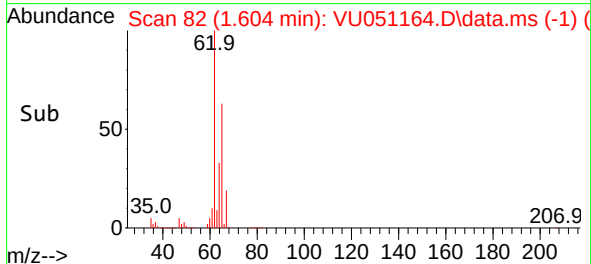
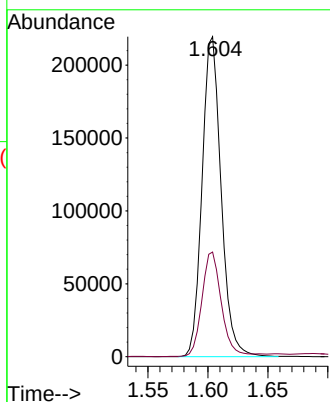
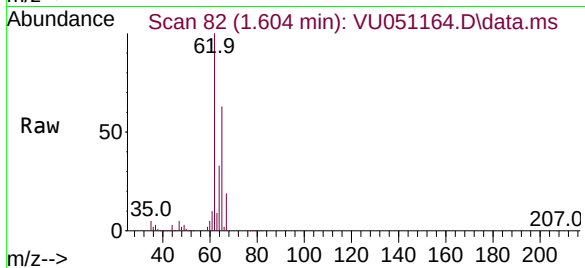
VSTD050110

Tgt Ion: 62 Resp: 242950

Ion Ratio Lower Upper

62 100

64 32.7 23.5 43.7



#6

Bromomethane

Concen: 64.351 ug/L

RT: 1.848 min Scan# 158

Delta R.T. 0.016 min

Lab File: VU051164.D

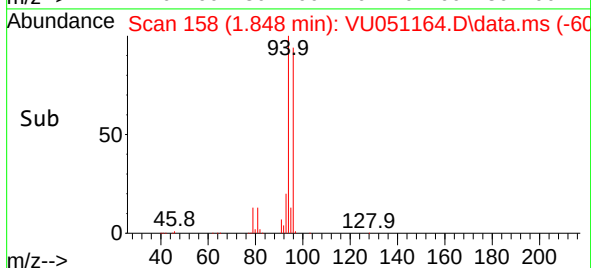
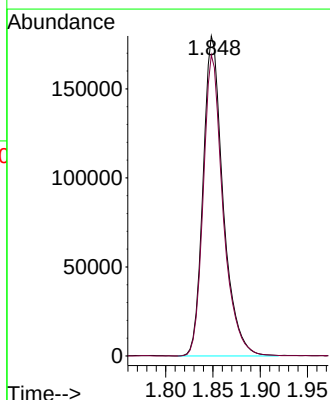
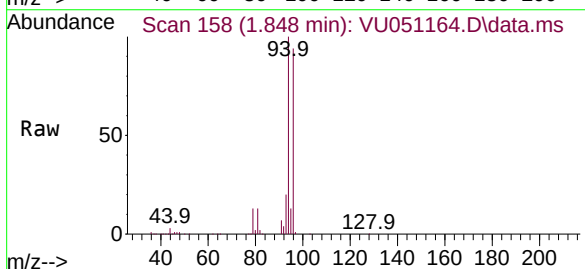
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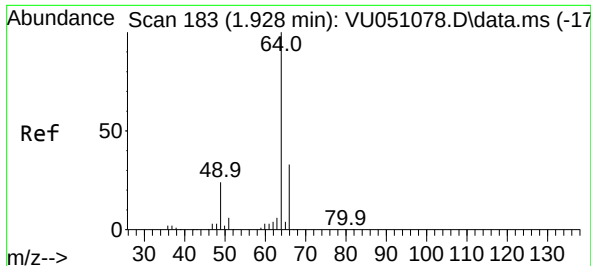
Tgt Ion: 94 Resp: 264437

Ion Ratio Lower Upper

94 100

96 94.1 63.9 118.7

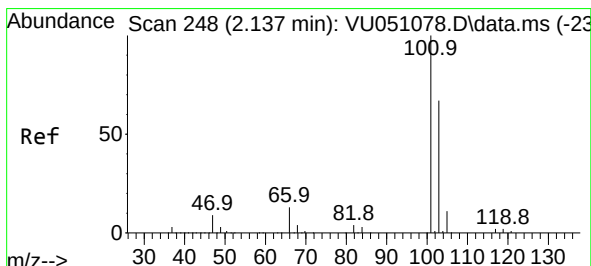
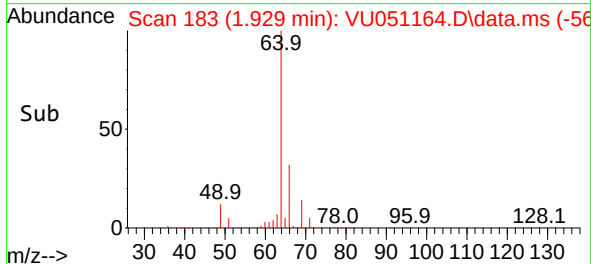
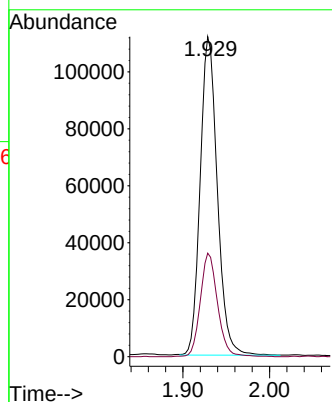
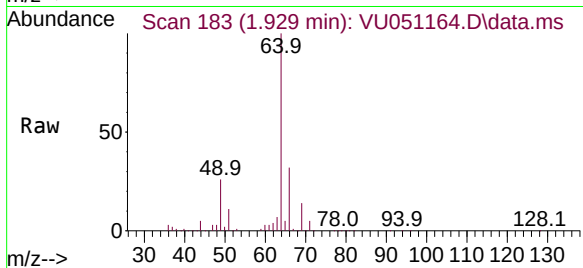




#8
Chloroethane
Concen: 42.263 ug/L
RT: 1.929 min Scan# 183
Delta R.T. 0.010 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

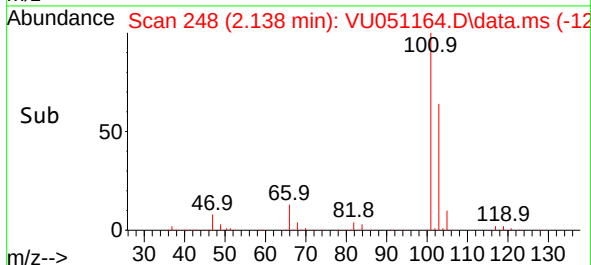
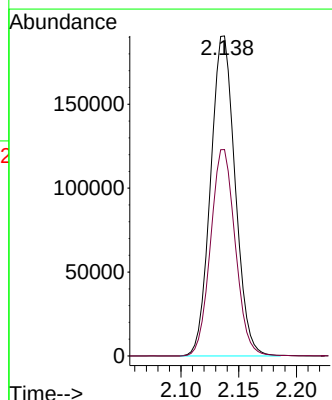
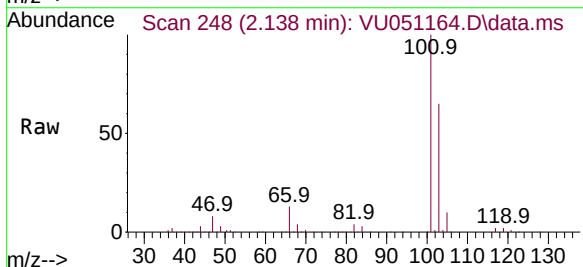
Instrument :
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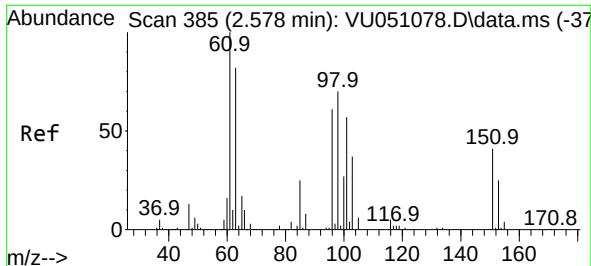
Tgt Ion: 64 Resp: 153956
Ion Ratio Lower Upper
64 100
66 32.4 22.3 41.3



#9
Trichlorofluoromethane
Concen: 42.260 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.010 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 101 Resp: 281895
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.6





#10

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

Concen: 45.853 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

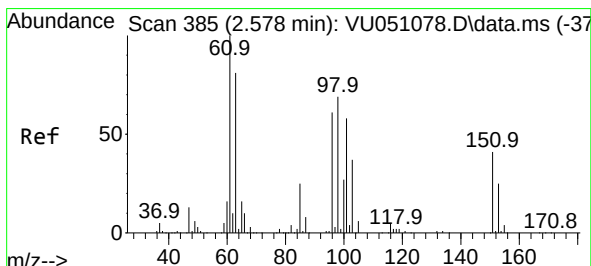
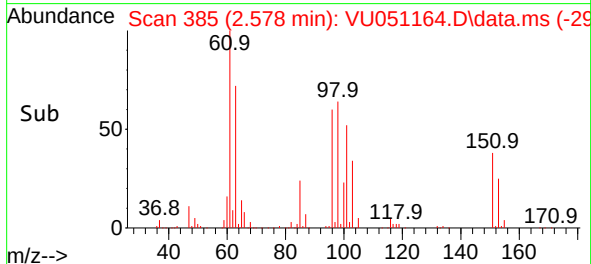
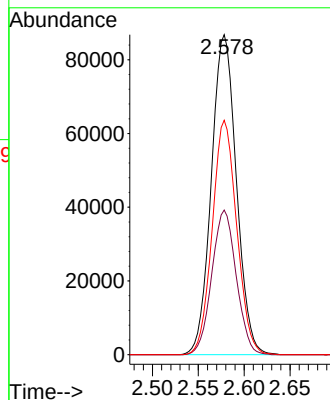
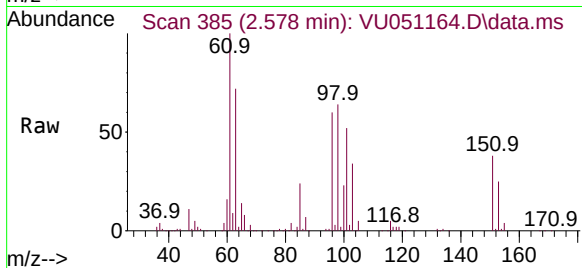
Tgt Ion:101 Resp: 165159

Ion Ratio Lower Upper

101 100

85 44.1 34.6 52.0

151 71.5 58.6 87.8



#12

1,1-Dichloroethene

Concen: 48.819 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.007 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

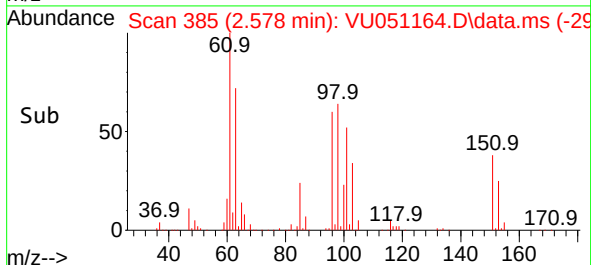
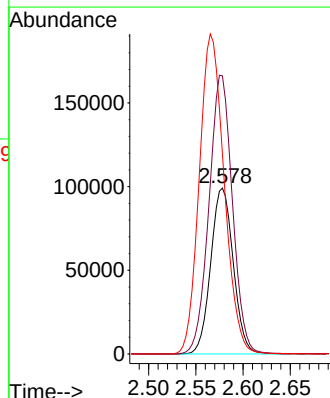
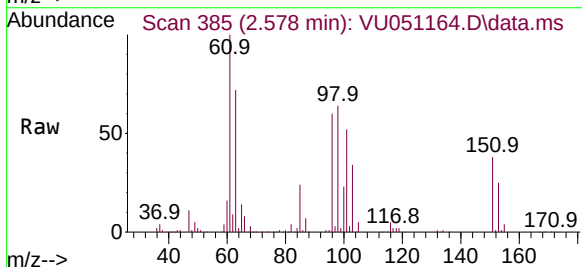
Tgt Ion: 96 Resp: 164255

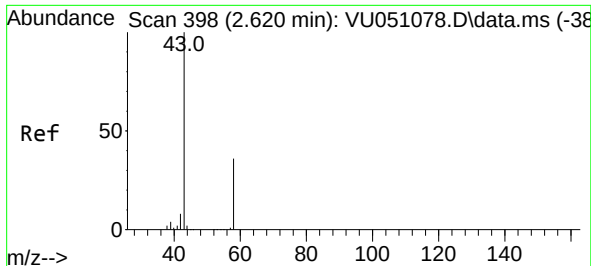
Ion Ratio Lower Upper

96 100

61 167.6 113.0 209.9

63 120.6 91.7 170.3





#13

Acetone

Concen: 89.363 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

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ClientSampleId :

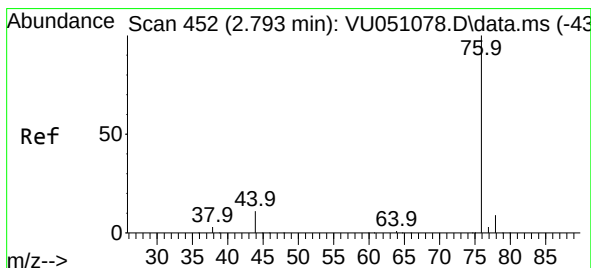
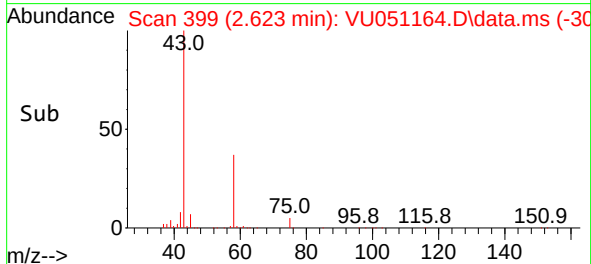
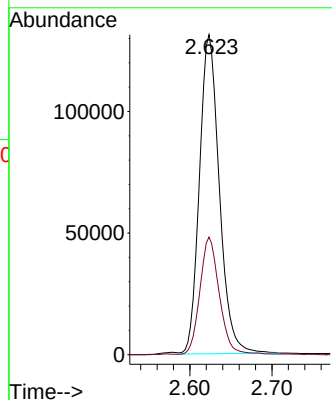
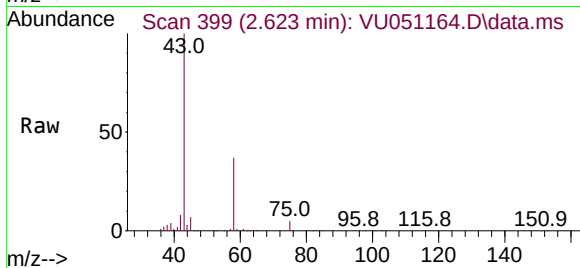
VSTD050110

Tgt Ion: 43 Resp: 221304

Ion Ratio Lower Upper

43 100

58 35.4 0.0 73.6



#14

Carbon disulfide

Concen: 47.815 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU051164.D

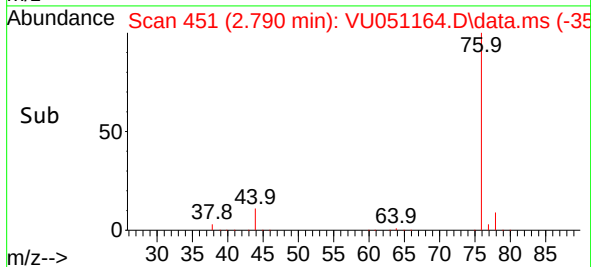
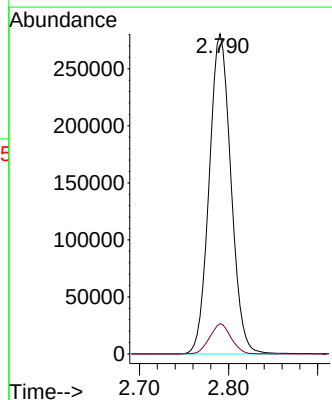
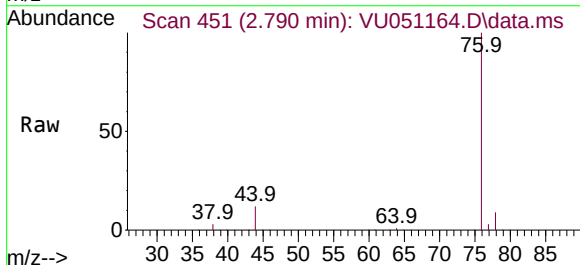
Acq: 06 Oct 2022 11:44

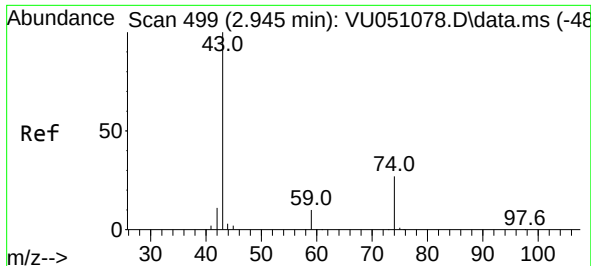
Tgt Ion: 76 Resp: 475552

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

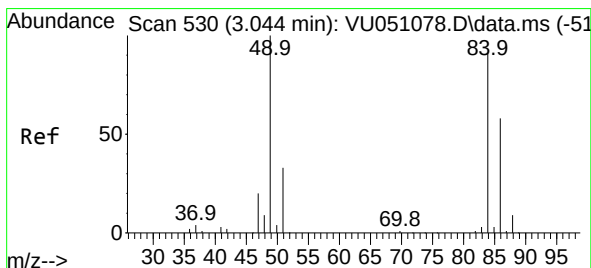
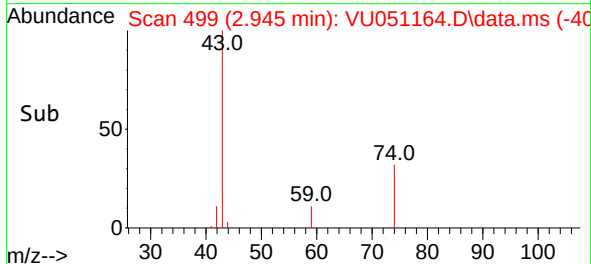
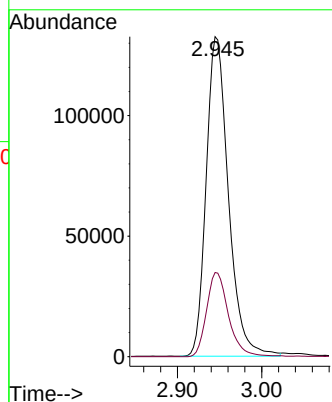
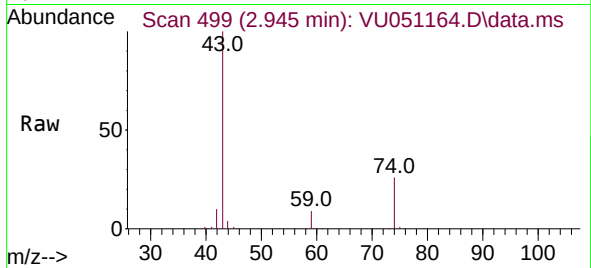




#15
Methyl Acetate
Concen: 53.820 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

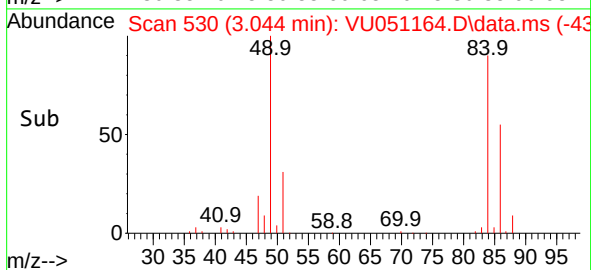
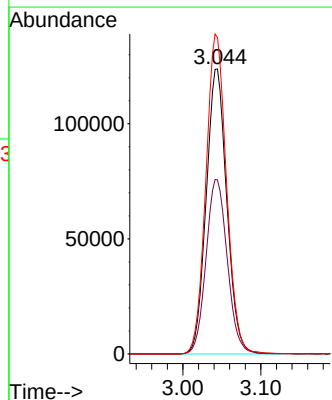
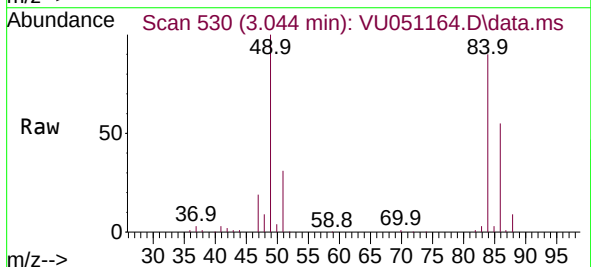
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

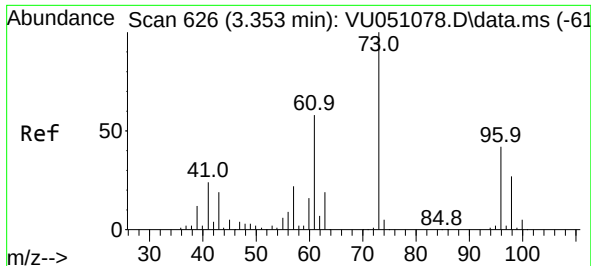
Tgt Ion: 43 Resp: 243335
Ion Ratio Lower Upper
43 100
74 26.0 22.4 33.6



#16
Methylene chloride
Concen: 47.024 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 84 Resp: 227127
Ion Ratio Lower Upper
84 100
86 61.1 45.4 84.4
49 111.1 78.3 145.3





#17

trans-1,2-Dichloroethene

Concen: 48.924 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

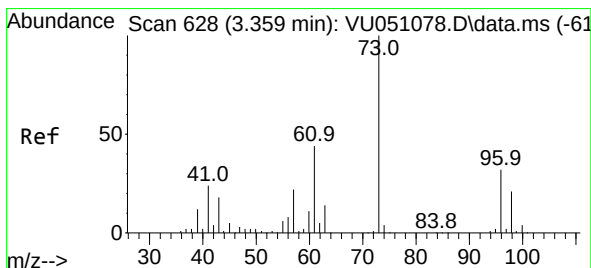
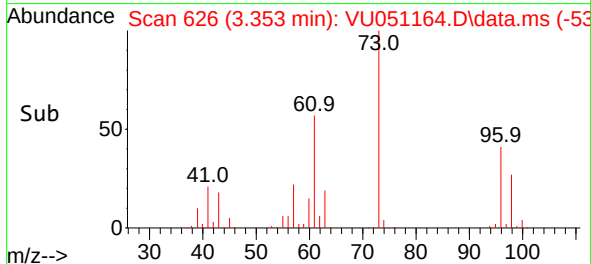
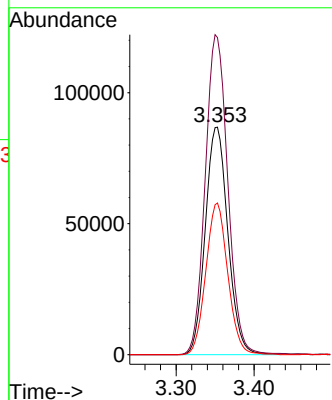
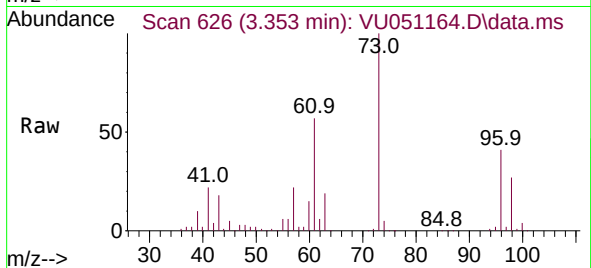
Tgt Ion: 96 Resp: 175119

Ion Ratio Lower Upper

96 100

61 139.4 95.1 176.5

98 66.7 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 55.737 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

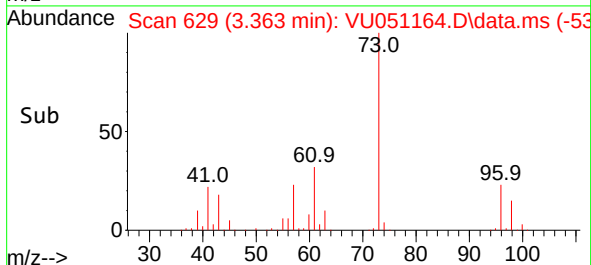
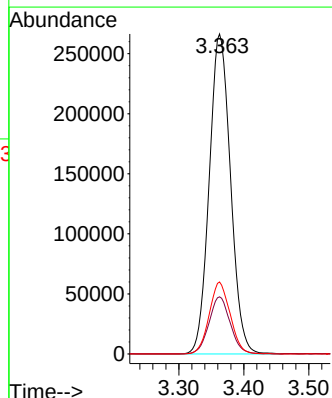
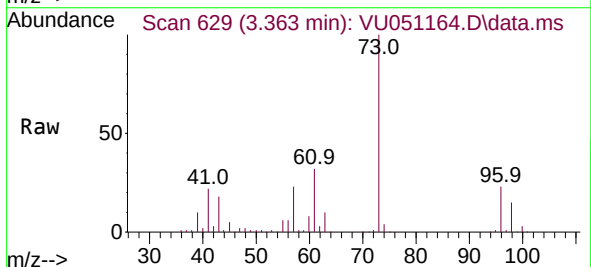
Tgt Ion: 73 Resp: 606296

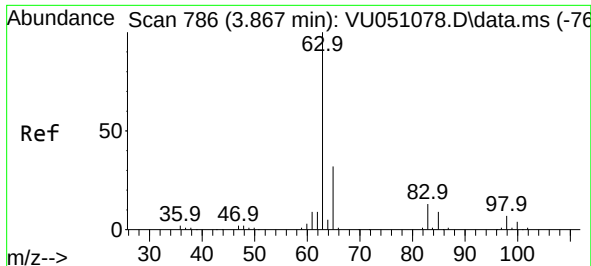
Ion Ratio Lower Upper

73 100

43 17.8 14.7 22.1

57 22.1 17.5 26.3





#19

1,1-Dichloroethane

Concen: 53.309 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

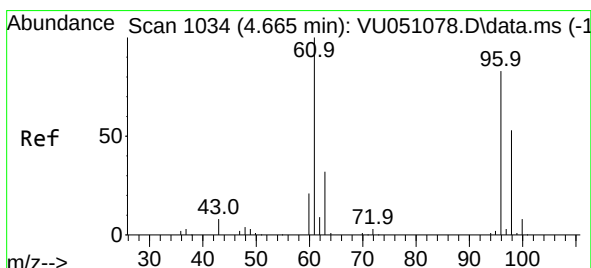
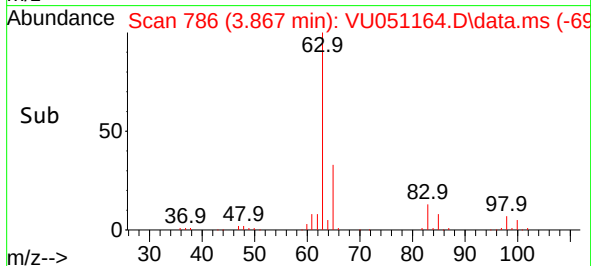
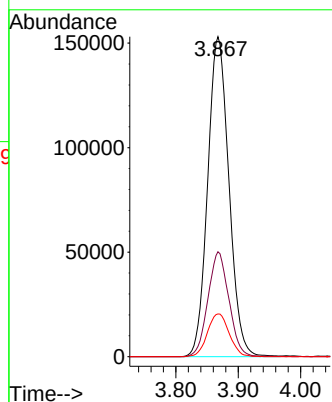
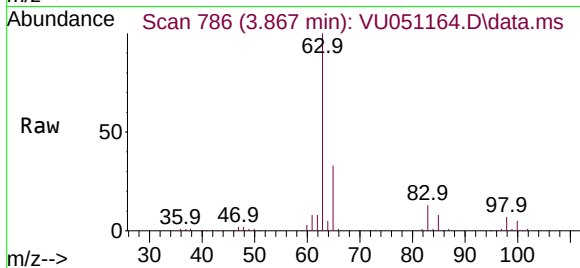
Tgt Ion: 63 Resp: 362466

Ion Ratio Lower Upper

63 100

65 32.8 22.6 42.0

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 52.895 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

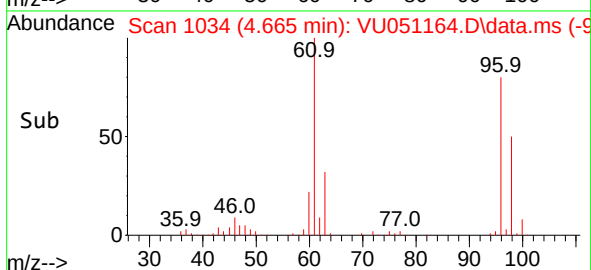
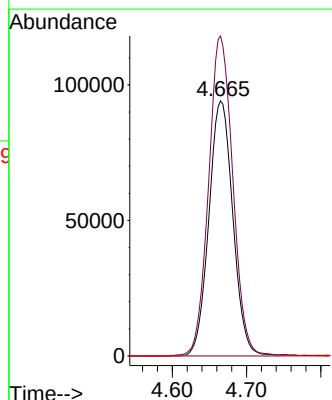
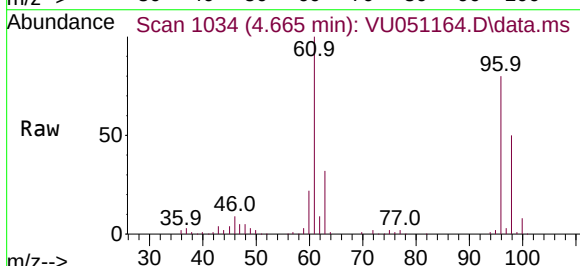
Tgt Ion: 96 Resp: 211401

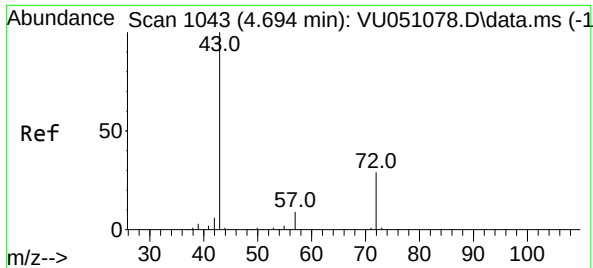
Ion Ratio Lower Upper

96 100

61 125.4 85.4 158.6

68 0.0 0.0 0.0

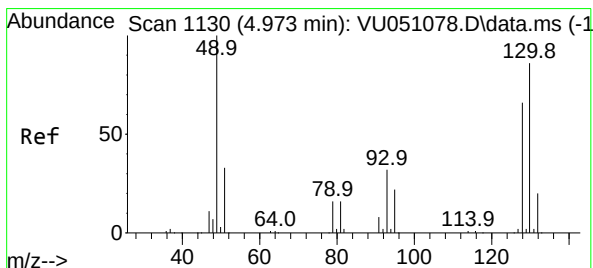
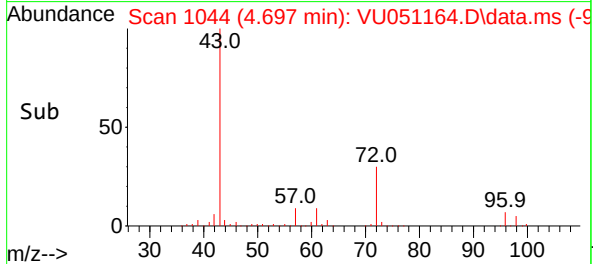
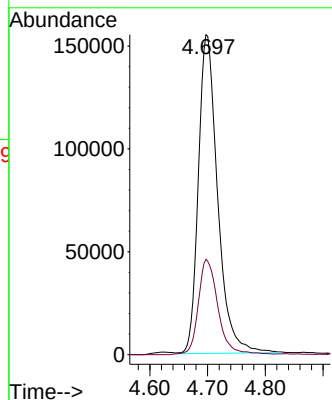
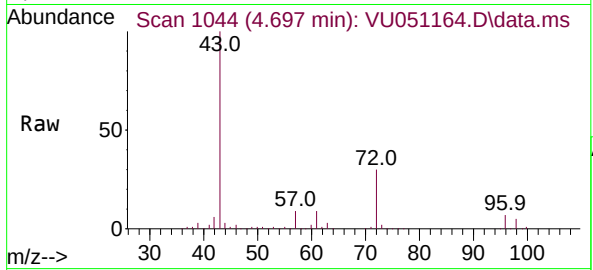




#22
2-Butanone
Concen: 105.026 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.003 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

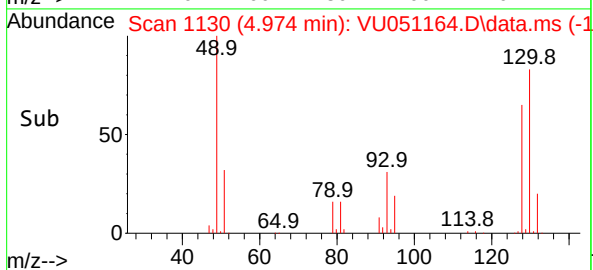
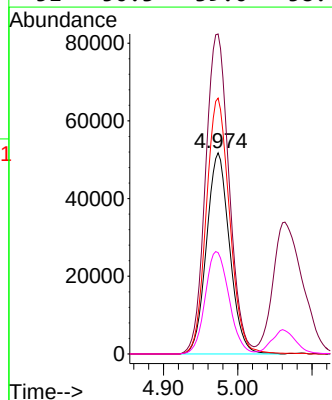
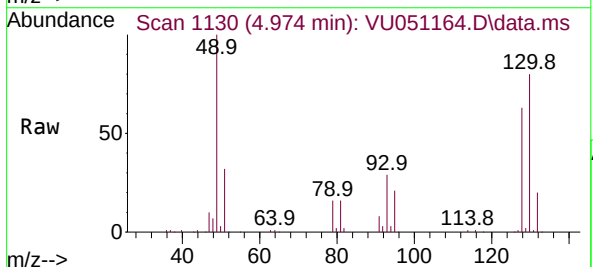
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

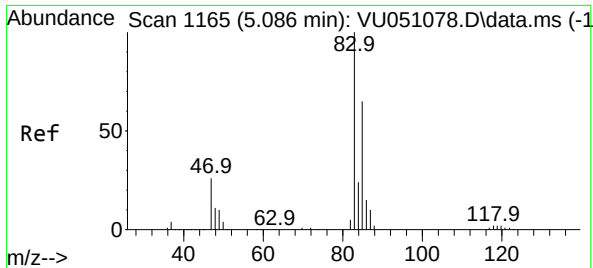
Tgt Ion: 43 Resp: 359353
Ion Ratio Lower Upper
43 100
72 30.2 15.8 47.4



#23
Bromochloromethane
Concen: 50.917 ug/L
RT: 4.974 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion:128 Resp: 111499
Ion Ratio Lower Upper
128 100
49 159.1 106.9 198.5
130 127.2 86.2 160.0
51 50.3 39.0 58.4

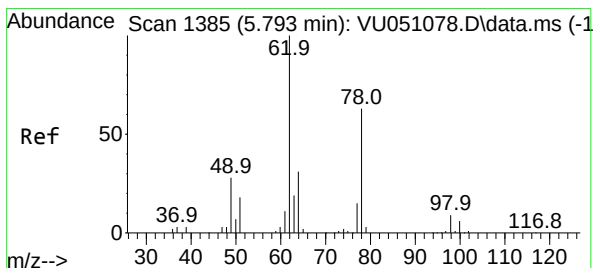
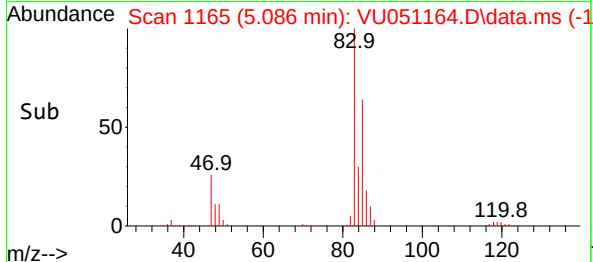
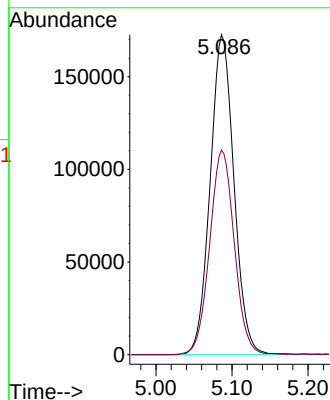
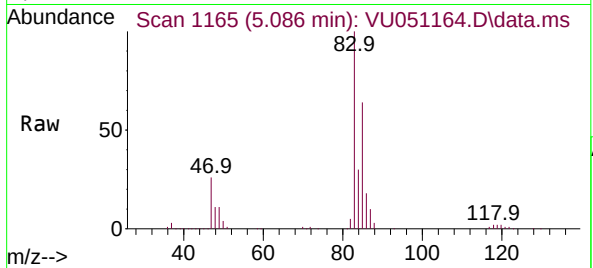




#25
Chloroform
Concen: 50.740 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

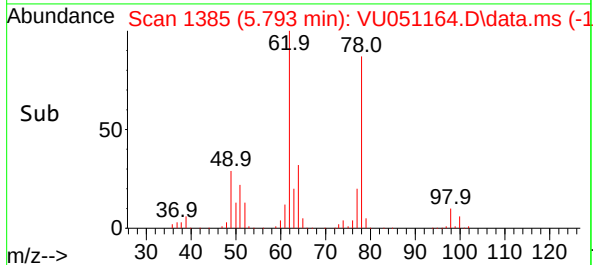
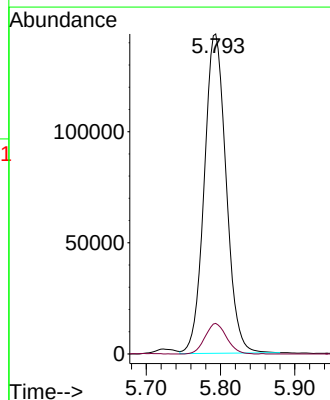
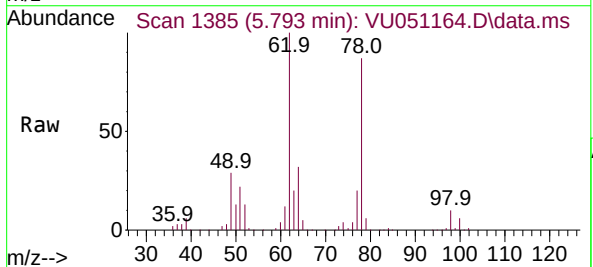
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

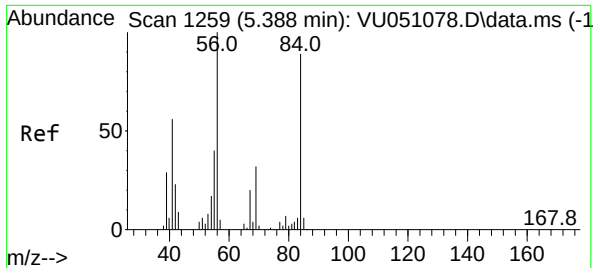
Tgt Ion: 83 Resp: 375262
Ion Ratio Lower Upper
83 100
85 63.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 51.858 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 62 Resp: 293792
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9





#29

Cyclohexane

Concen: 59.872 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

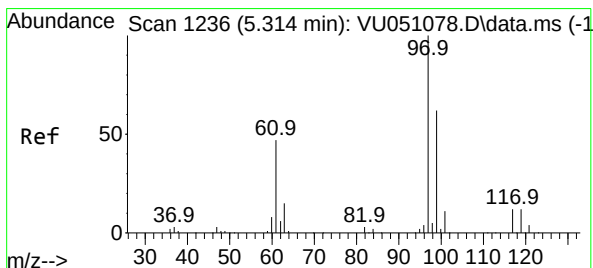
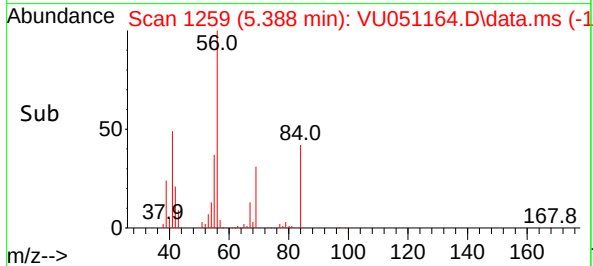
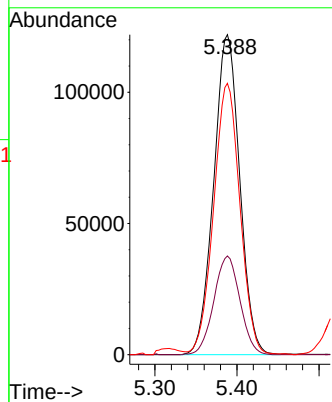
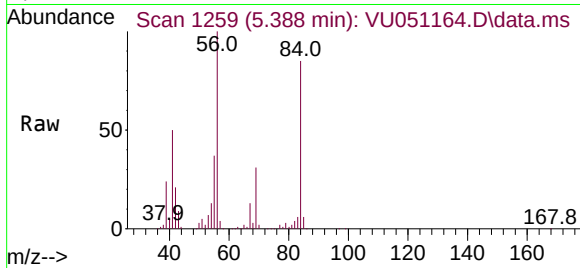
Tgt Ion: 56 Resp: 269420

Ion Ratio Lower Upper

56 100

69 30.9 24.8 37.2

84 85.8 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 52.825 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

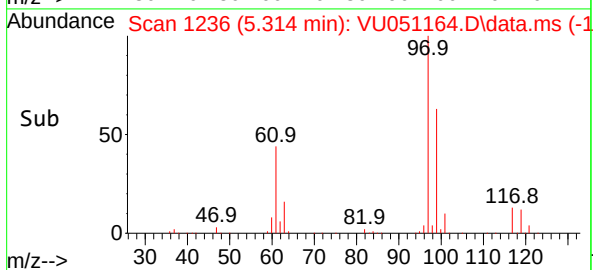
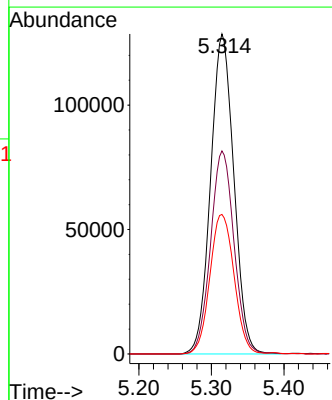
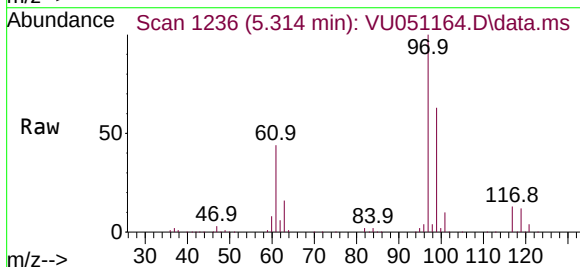
Tgt Ion: 97 Resp: 286315

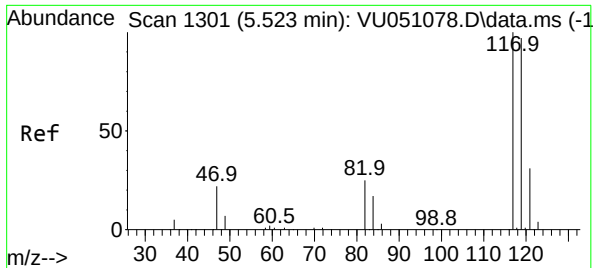
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 45.4 36.0 54.0

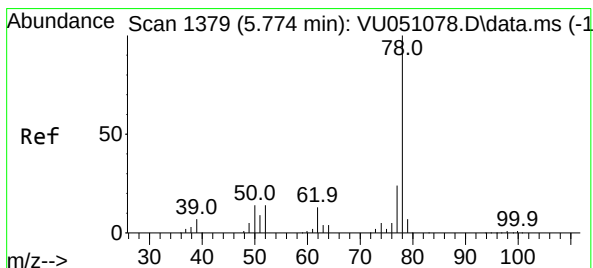
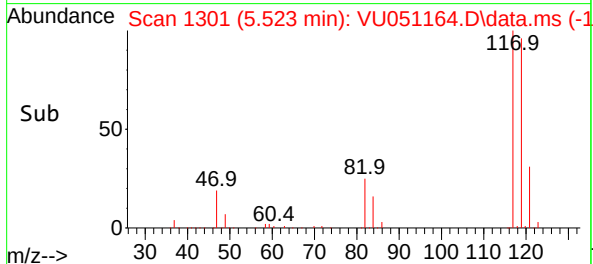
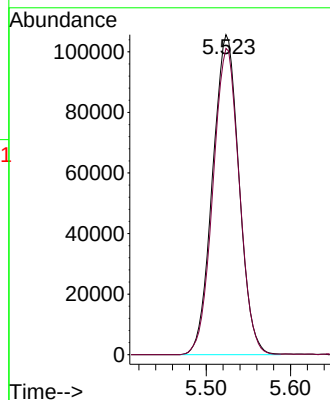
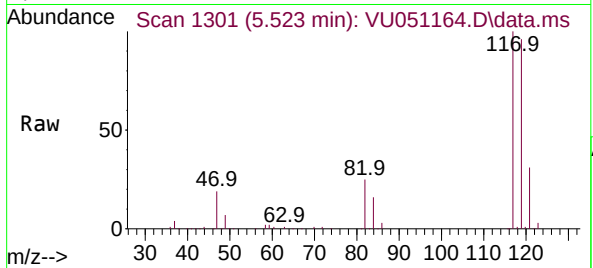




#31
Carbon tetrachloride
Concen: 52.036 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.003 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

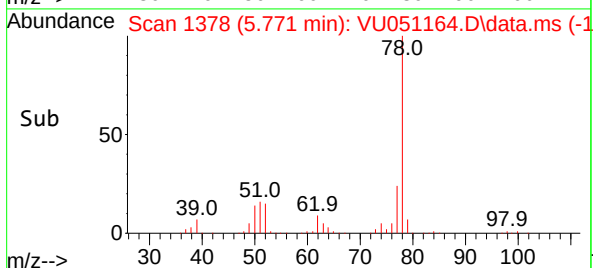
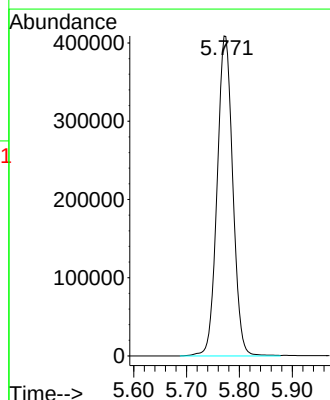
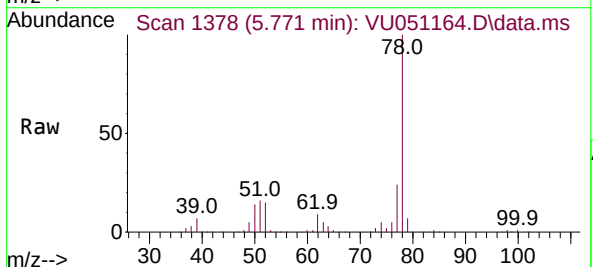
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

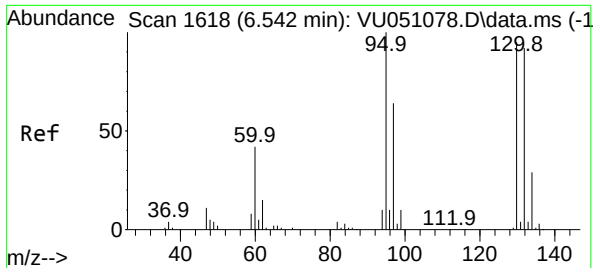
Tgt Ion:117 Resp: 230116
Ion Ratio Lower Upper
117 100
119 95.3 75.7 113.5



#33
Benzene
Concen: 59.833 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 78 Resp: 843023

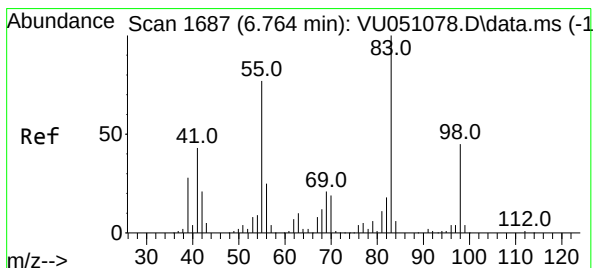
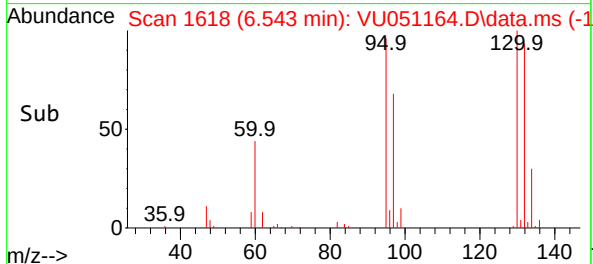
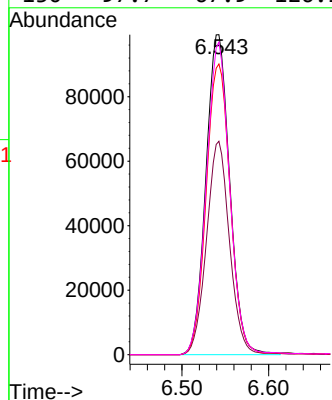
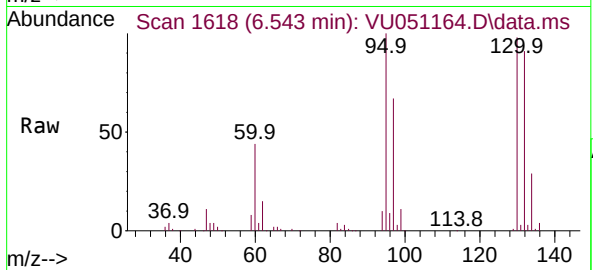




#34
Trichloroethene
Concen: 51.988 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

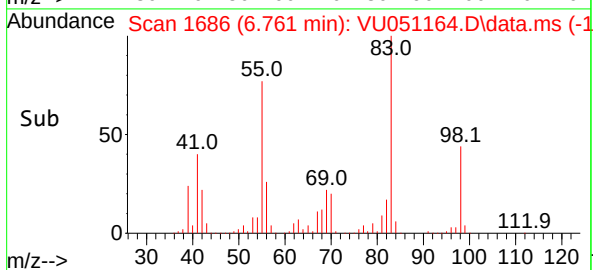
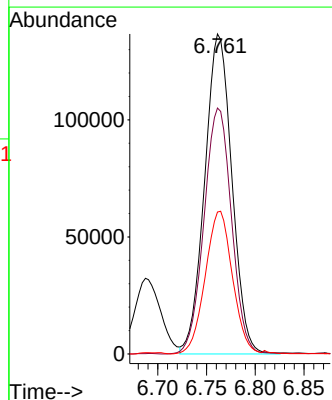
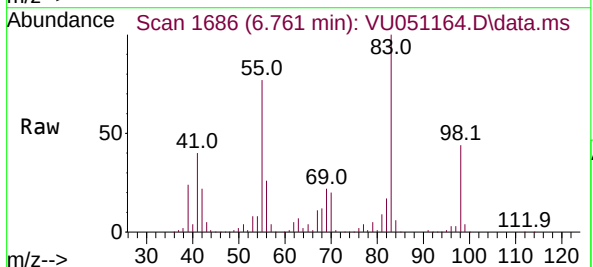
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

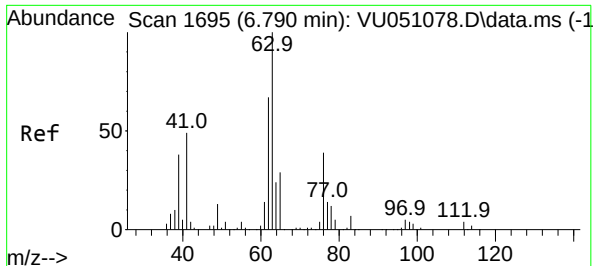
Tgt Ion: 95 Resp: 189721
Ion Ratio Lower Upper
95 100
97 66.7 45.9 85.3
132 90.9 64.0 119.0
130 97.7 67.9 126.1



#35
Methylcyclohexane
Concen: 53.561 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 83 Resp: 266031
Ion Ratio Lower Upper
83 100
55 77.7 59.3 88.9
98 44.5 36.0 54.0

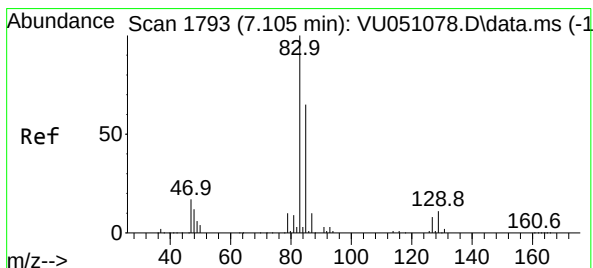
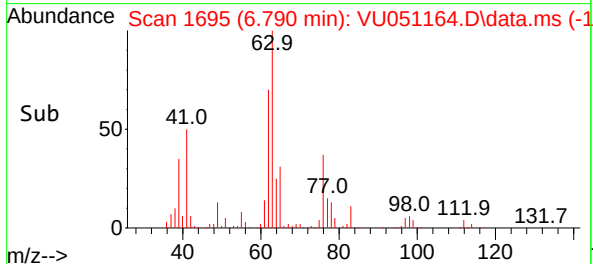
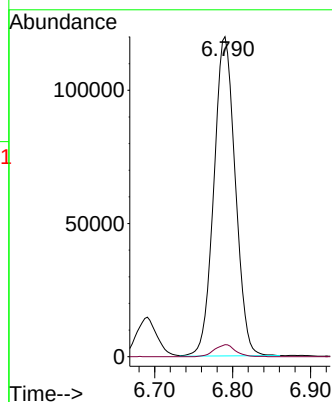
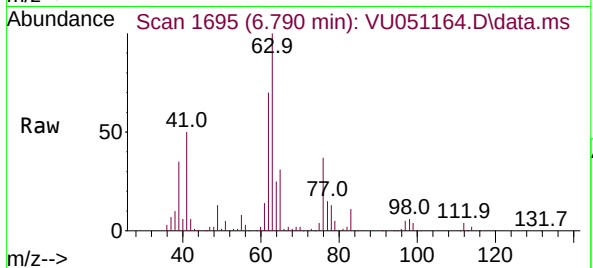




#37
1,2-Dichloropropane
Concen: 60.335 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.003 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

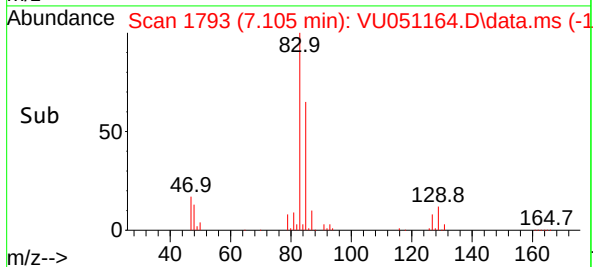
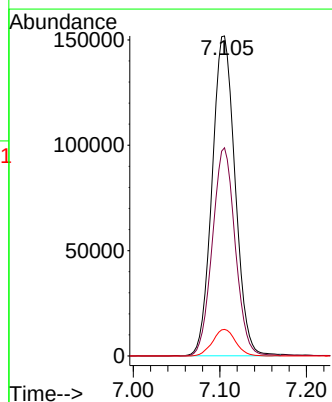
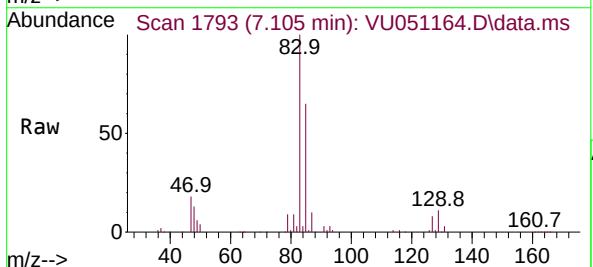
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

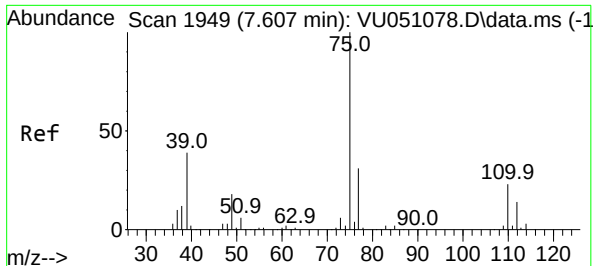
Tgt Ion: 63 Resp: 228920
Ion Ratio Lower Upper
63 100
112 3.7 3.3 4.9



#38
Bromodichloromethane
Concen: 55.333 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 83 Resp: 280179
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.7
127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 46.938 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

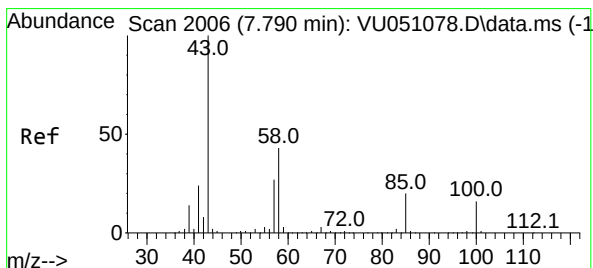
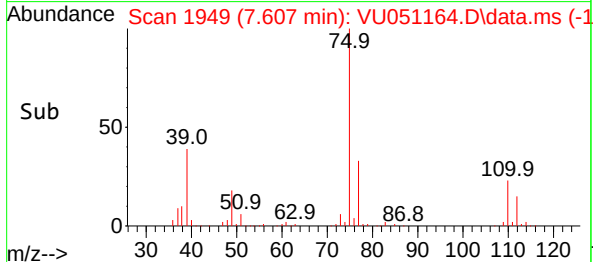
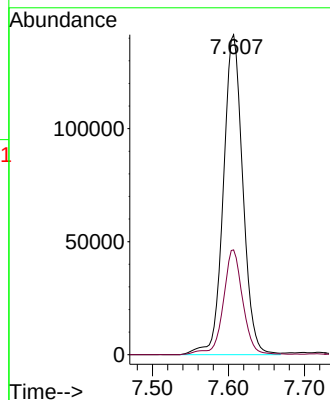
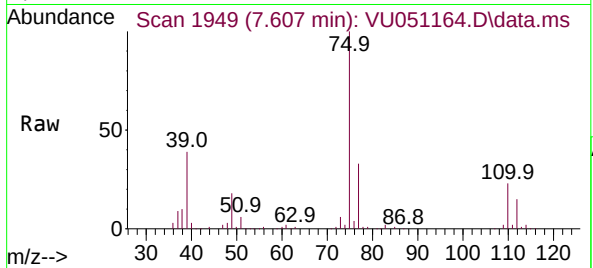
VSTD050110

Tgt Ion: 75 Resp: 252214

Ion Ratio Lower Upper

75 100

77 32.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 123.141 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

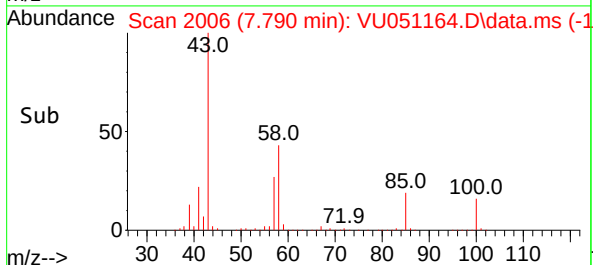
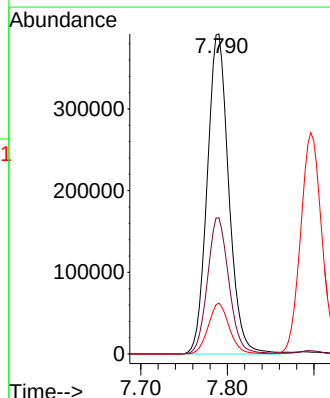
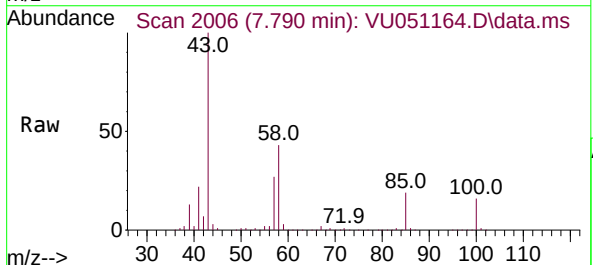
Tgt Ion: 43 Resp: 676624

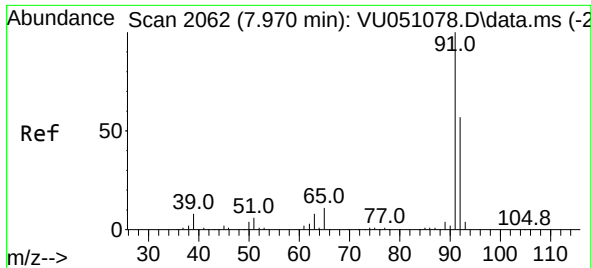
Ion Ratio Lower Upper

43 100

58 42.6 35.0 52.4

100 15.5 13.3 19.9





#42

Toluene

Concen: 59.419 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

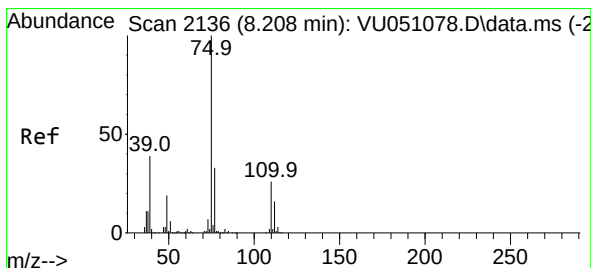
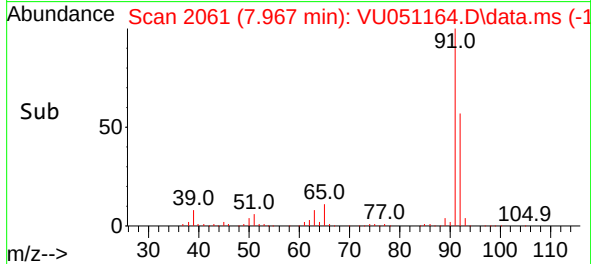
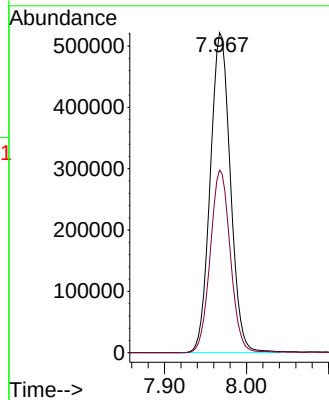
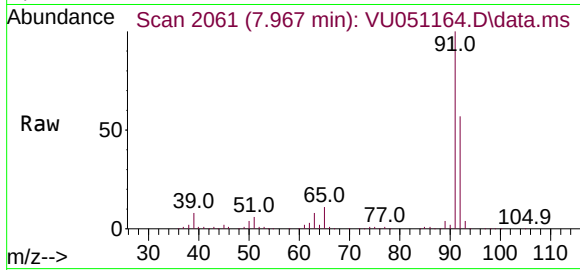
VSTD050110

Tgt Ion: 91 Resp: 890479

Ion Ratio Lower Upper

91 100

92 57.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 44.984 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051164.D

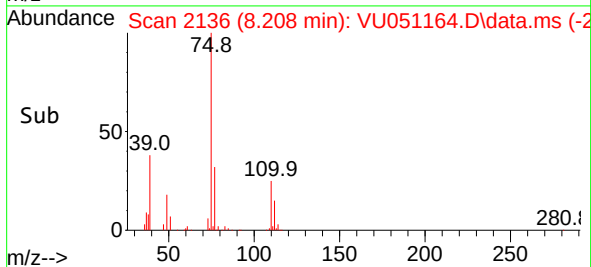
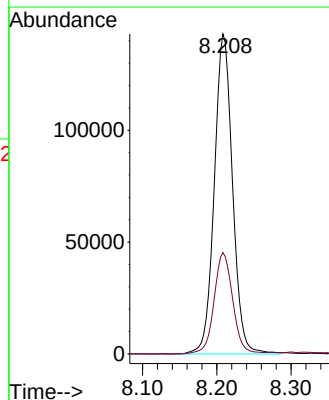
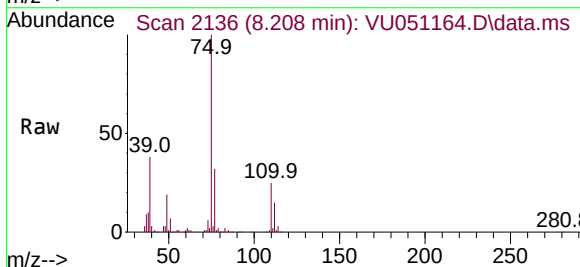
Acq: 06 Oct 2022 11:44

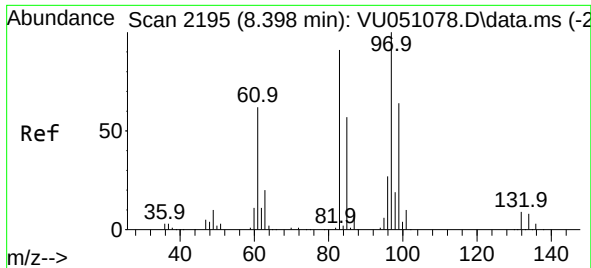
Tgt Ion: 75 Resp: 244400

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.3



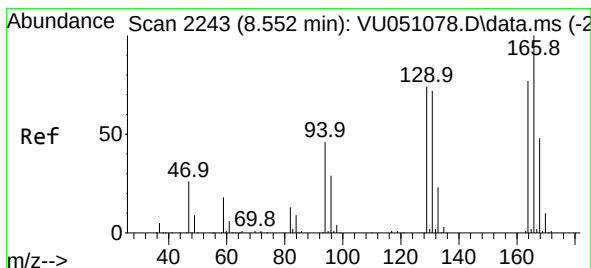
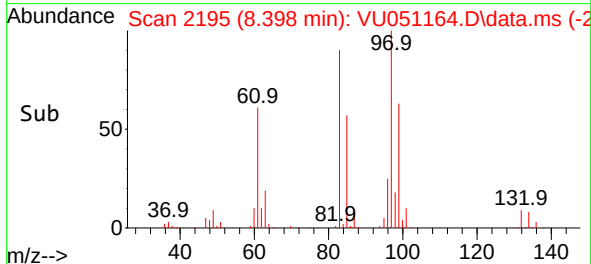
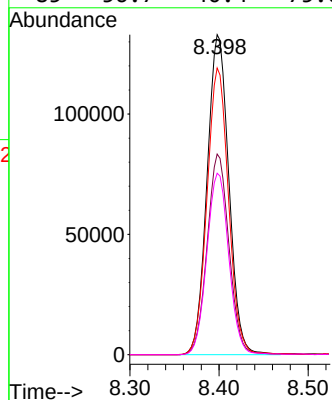
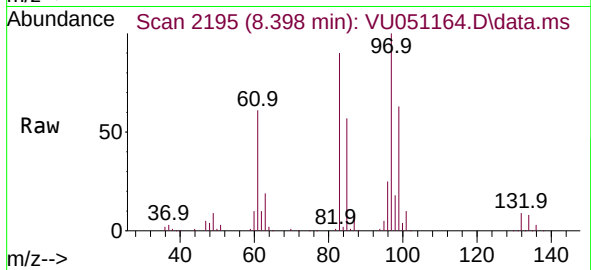


#45
1,1,2-Trichloroethane
Concen: 54.998 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

Tgt Ion: 97 Resp: 226028

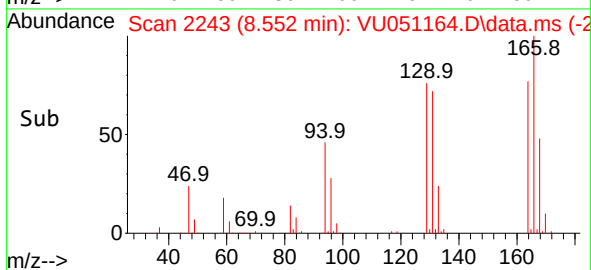
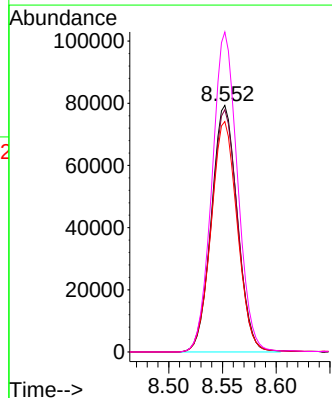
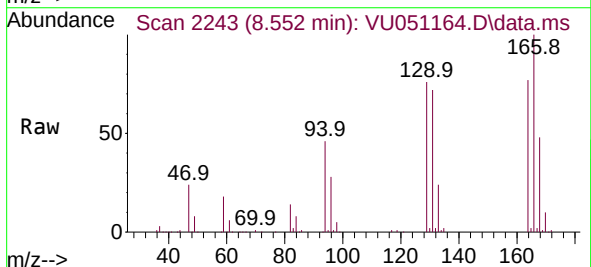
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.4	82.4
83	89.6	61.7	114.5
85	56.7	40.4	75.0

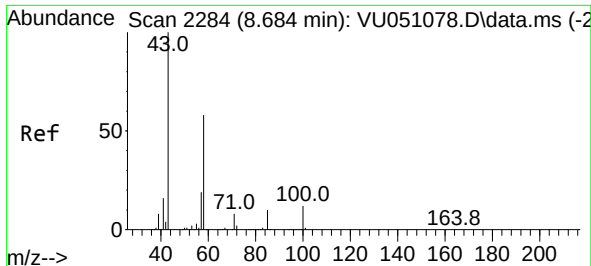


#46
Tetrachloroethene
Concen: 48.168 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 164 Resp: 133212

Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.1	126.5
131	93.5	67.8	126.0
166	129.8	90.5	168.1

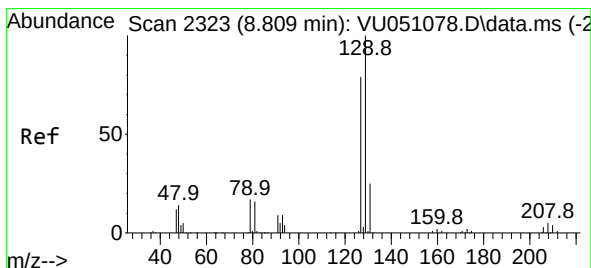
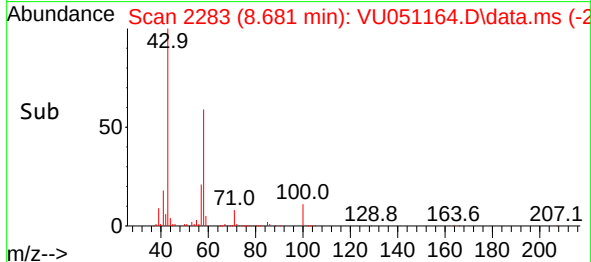
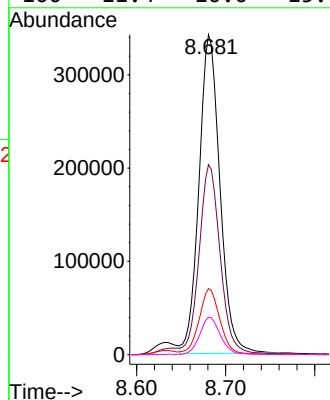
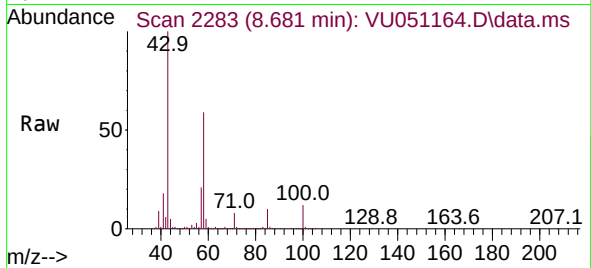




#48
2-Hexanone
Concen: 112.009 ug/L
RT: 8.681 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

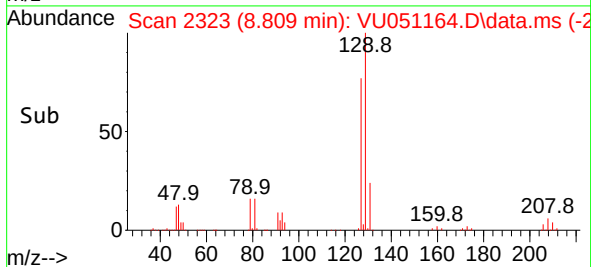
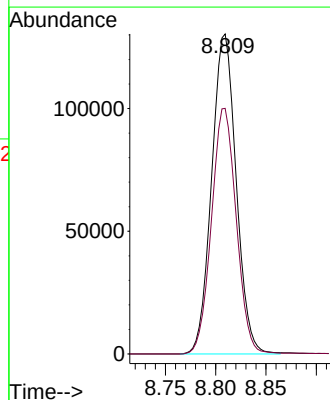
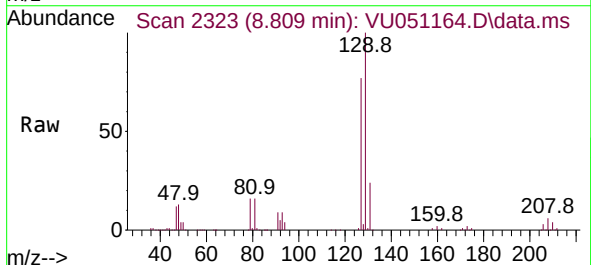
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

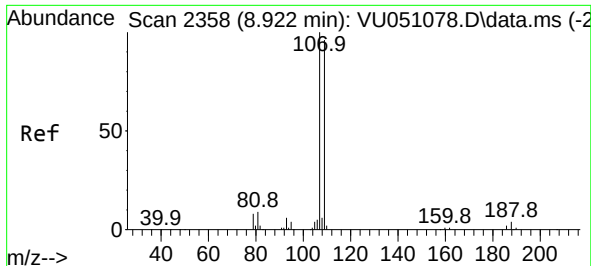
Tgt Ion: 43 Resp: 559014
Ion Ratio Lower Upper
43 100
58 59.3 48.3 72.5
57 20.8 15.9 23.9
100 11.4 10.0 15.0



#49
Dibromochloromethane
Concen: 51.267 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 129 Resp: 221521
Ion Ratio Lower Upper
129 100
127 76.8 52.8 98.0





#50

1,2-Dibromoethane

Concen: 52.515 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

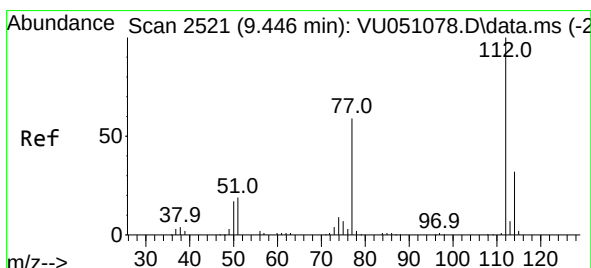
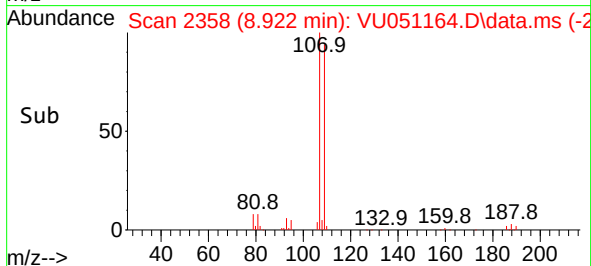
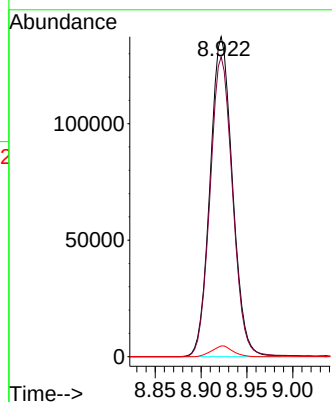
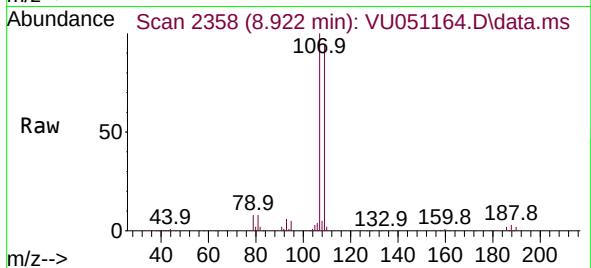
Tgt Ion:107 Resp: 234002

Ion Ratio Lower Upper

107 100

109 93.7 64.1 119.1

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 51.238 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

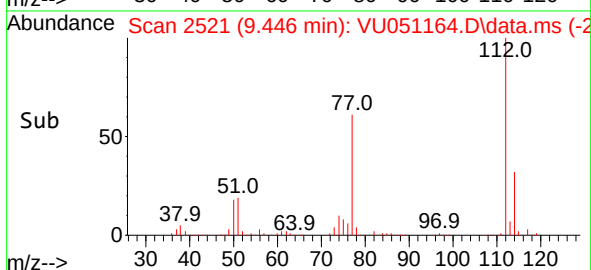
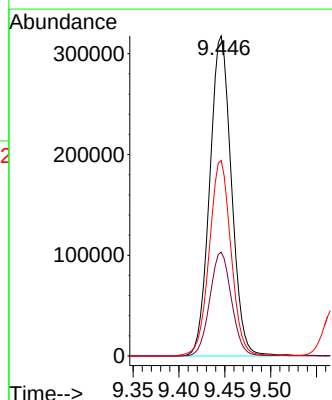
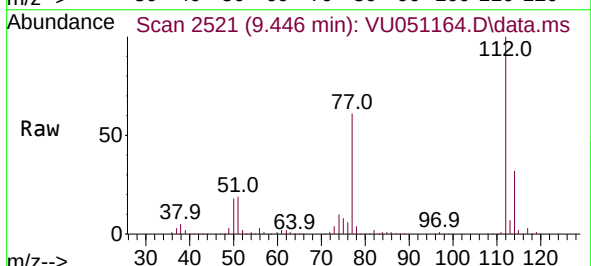
Tgt Ion:112 Resp: 522195

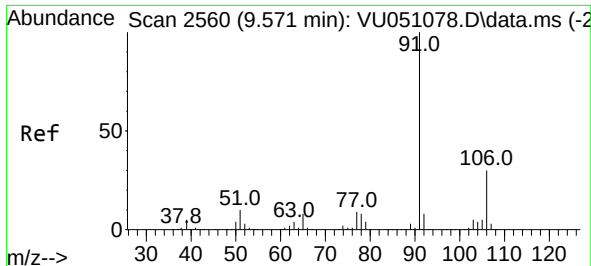
Ion Ratio Lower Upper

112 100

114 32.4 22.3 41.3

77 61.1 48.2 72.2

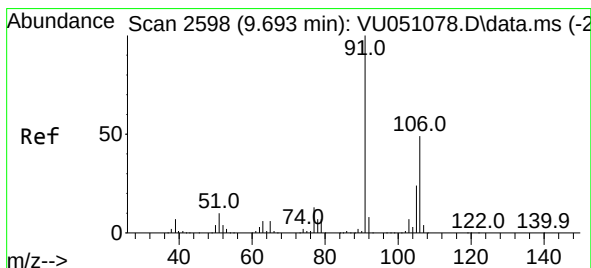
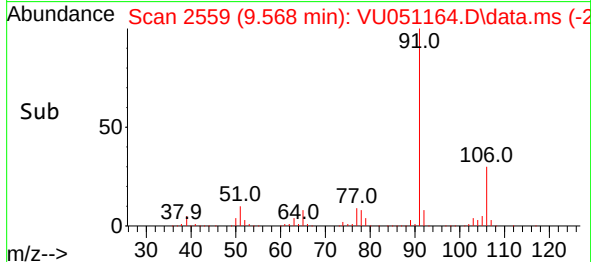
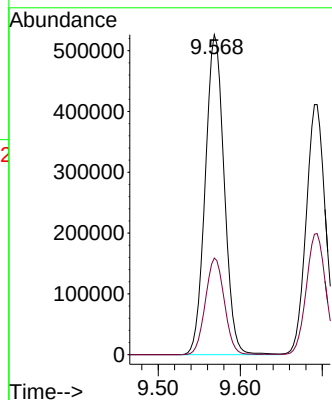
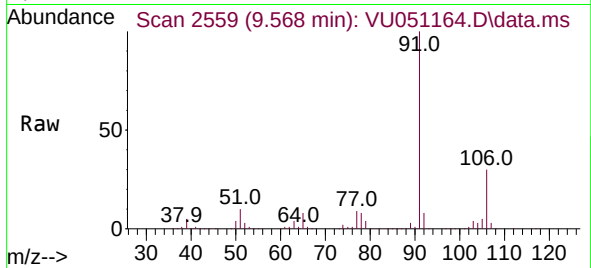




#52
Ethylbenzene
Concen: 52.646 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

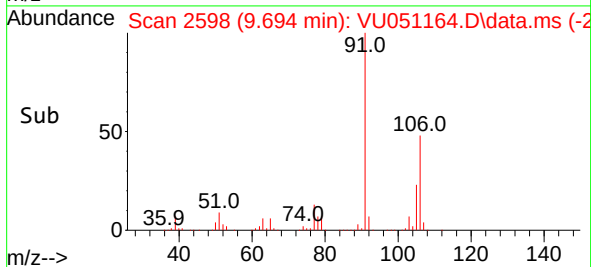
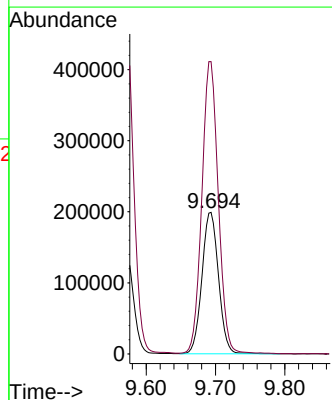
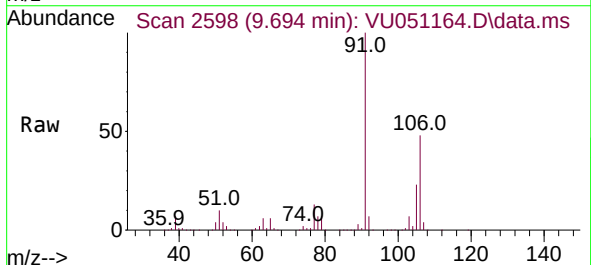
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

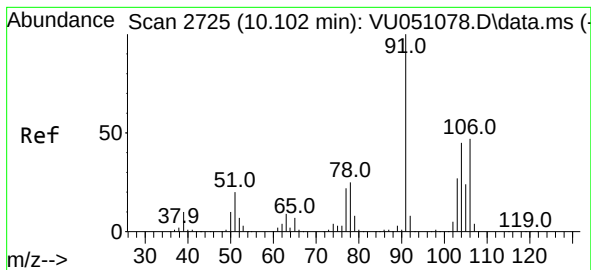
Tgt Ion: 91 Resp: 841577
Ion Ratio Lower Upper
91 100
106 30.2 21.7 40.3



#53
m,p-Xylene
Concen: 55.011 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 106 Resp: 330688
Ion Ratio Lower Upper
106 100
91 206.4 141.9 263.5





#54

o-Xylene

Concen: 55.011 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

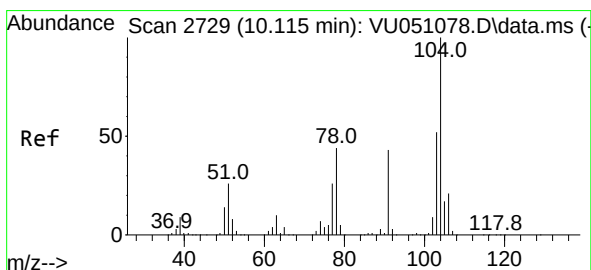
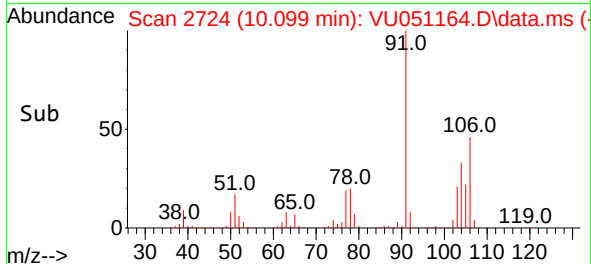
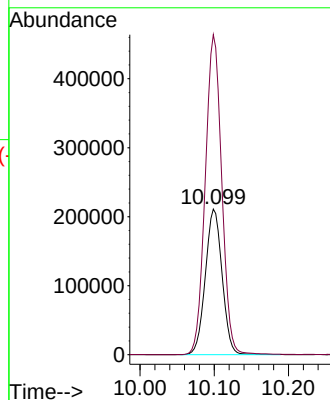
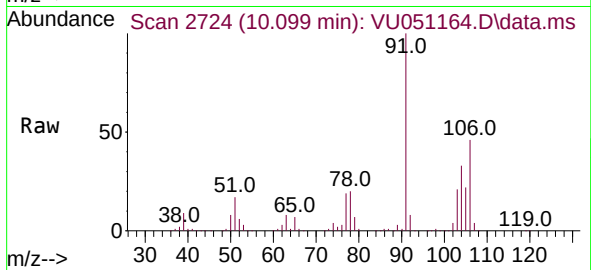
VSTD050110

Tgt Ion:106 Resp: 330531

Ion Ratio Lower Upper

106 100

91 219.7 152.4 283.0



#55

Styrene

Concen: 55.955 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU051164.D

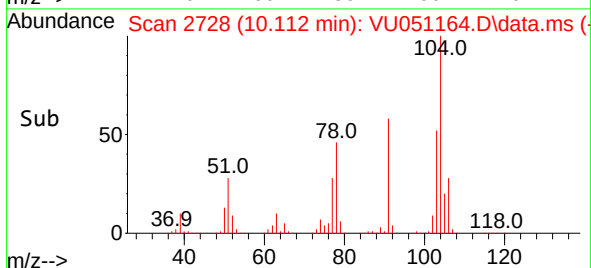
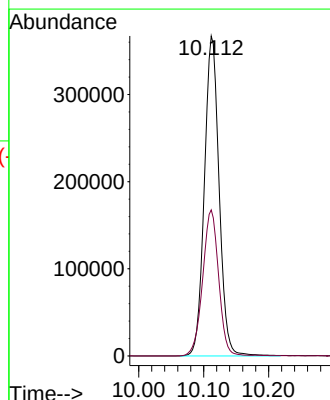
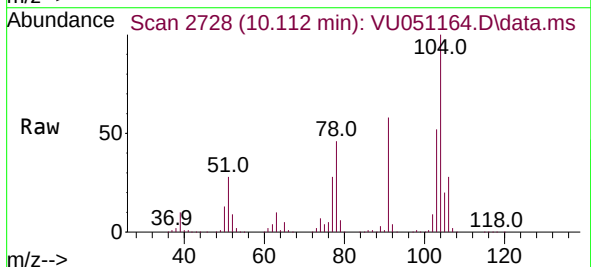
Acq: 06 Oct 2022 11:44

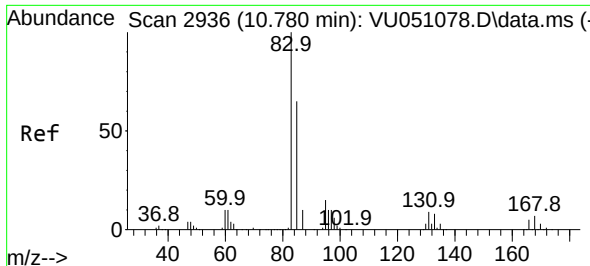
Tgt Ion:104 Resp: 581080

Ion Ratio Lower Upper

104 100

78 45.7 31.0 57.6

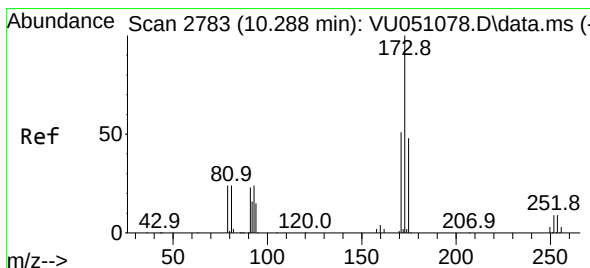
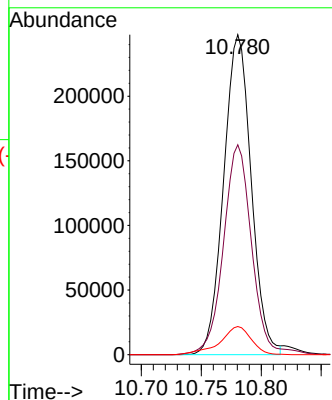
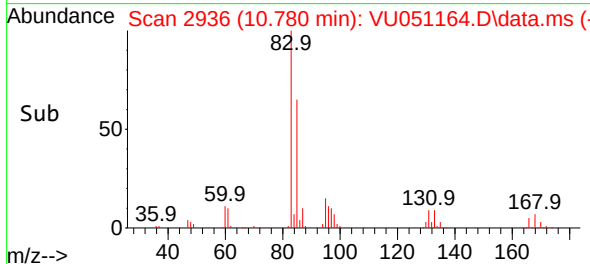
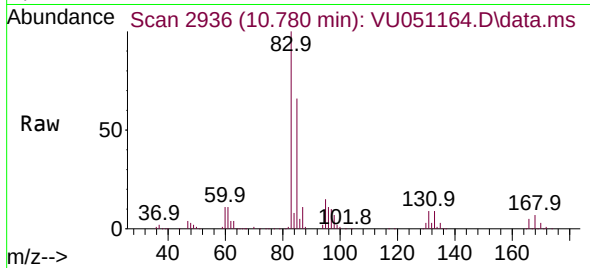




#57
1,1,2,2-Tetrachloroethane
Concen: 54.428 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

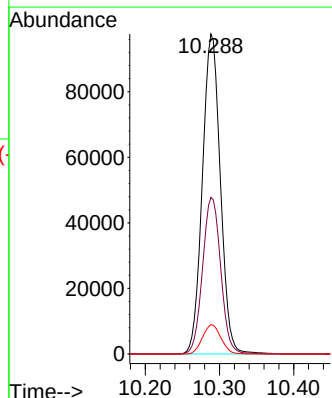
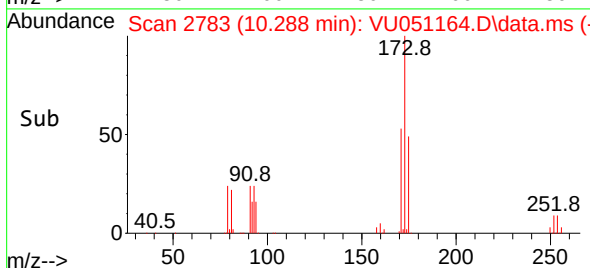
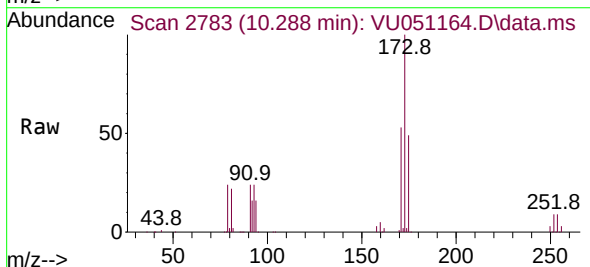
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

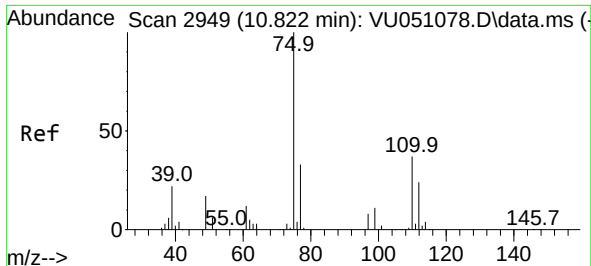
Tgt Ion: 83 Resp: 395882
Ion Ratio Lower Upper
83 100
85 65.6 44.7 83.1
131 8.8 7.0 10.4



#59
Bromoform
Concen: 50.358 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 173 Resp: 163983
Ion Ratio Lower Upper
173 100
175 49.3 39.4 59.0
254 9.3 7.4 11.0

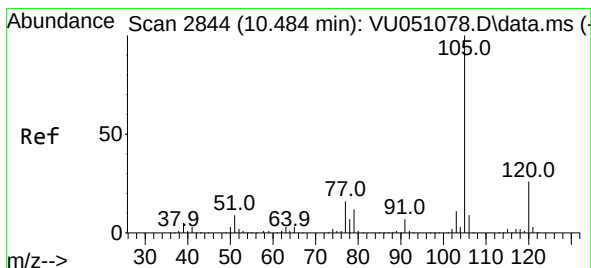
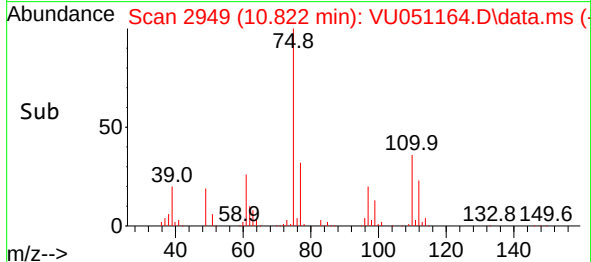
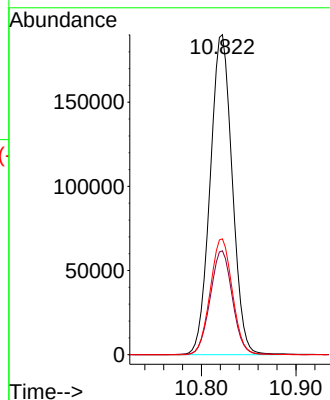
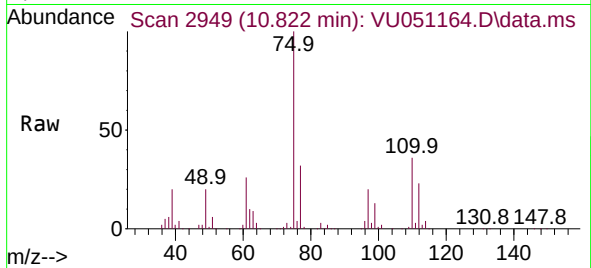




#60
1,2,3-Trichloropropane
Concen: 52.920 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

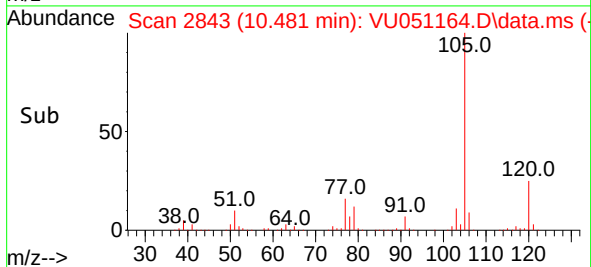
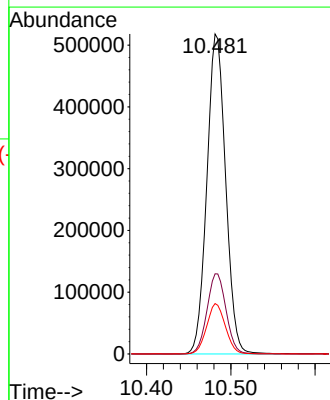
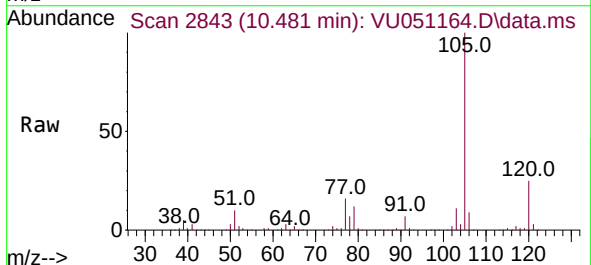
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

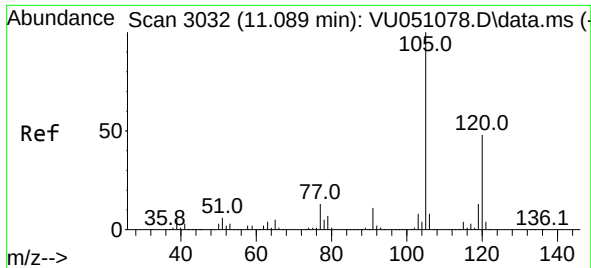
Tgt Ion: 75 Resp: 308209
Ion Ratio Lower Upper
75 100
77 32.7 26.1 39.1
110 36.5 30.0 45.0



#61
Isopropylbenzene
Concen: 55.811 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 105 Resp: 802389
Ion Ratio Lower Upper
105 100
120 25.4 21.1 31.7
77 15.7 12.8 19.2

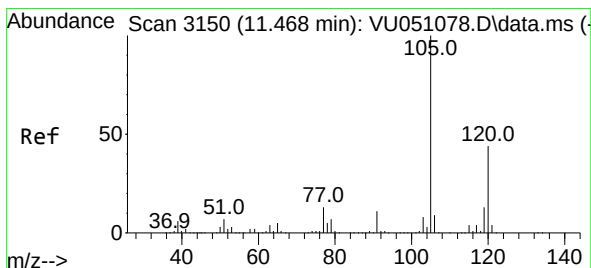
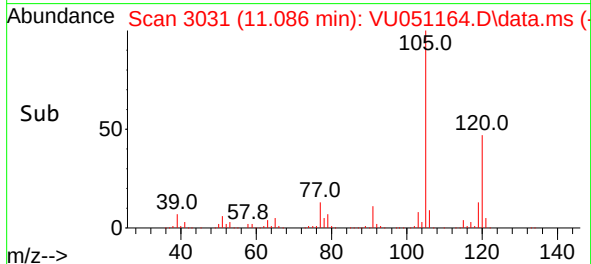
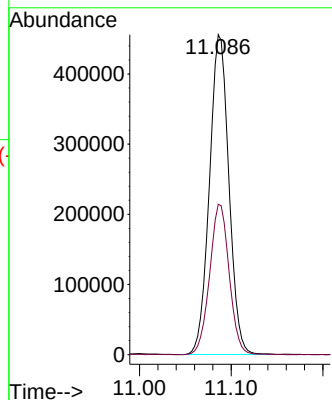
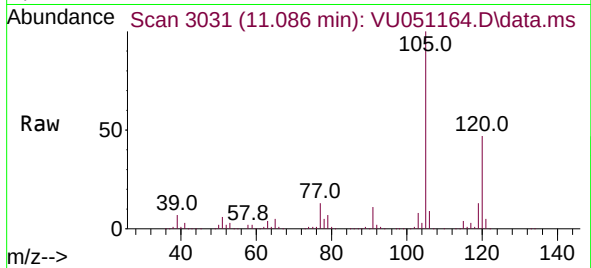




#62
 1,3,5-Trimethylbenzene
 Concen: 57.138 ug/L
 RT: 11.086 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU051164.D
 Acq: 06 Oct 2022 11:44

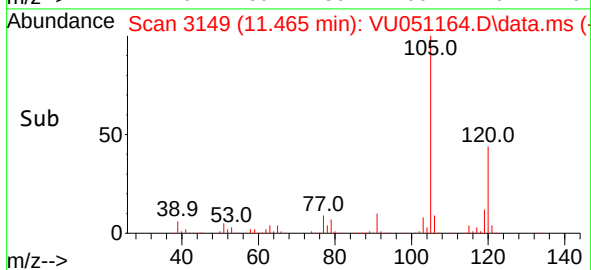
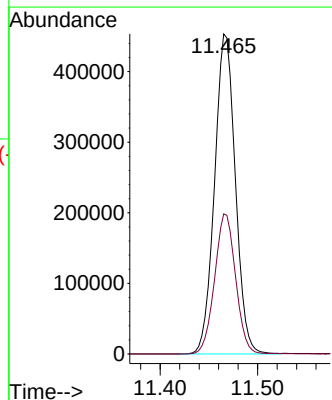
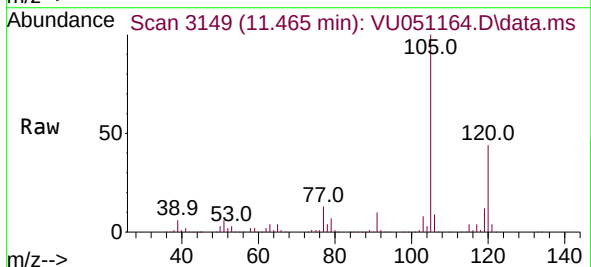
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

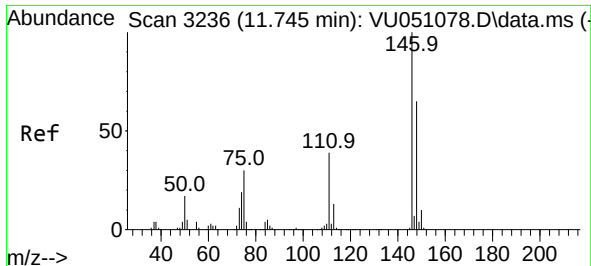
Tgt Ion:105 Resp: 671713
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 57.123 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051164.D
 Acq: 06 Oct 2022 11:44

Tgt Ion:105 Resp: 673060
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.5 53.3

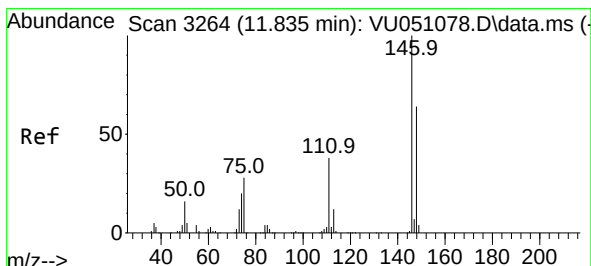
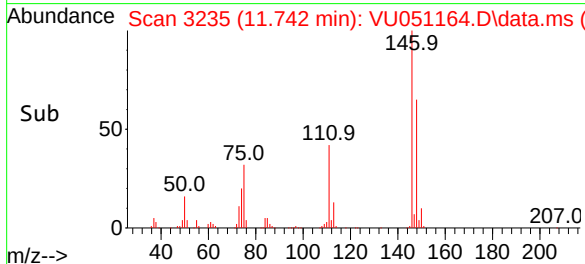
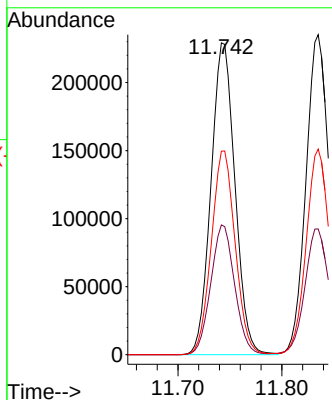
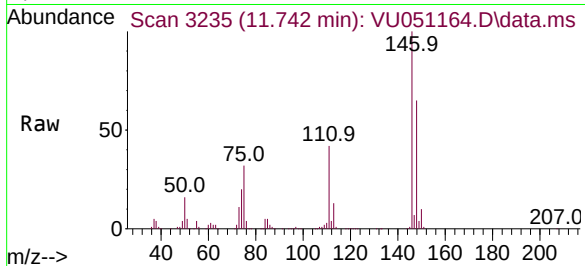




#64
1,3-Dichlorobenzene
Concen: 49.589 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

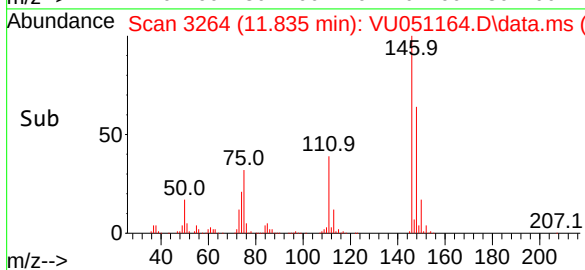
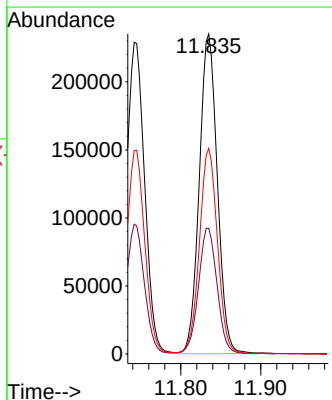
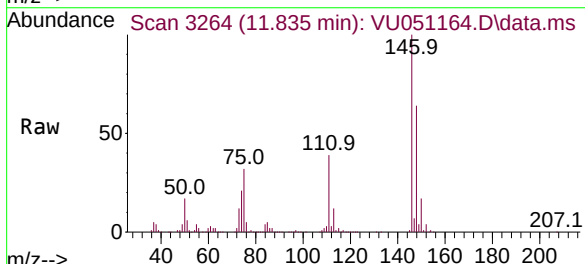
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

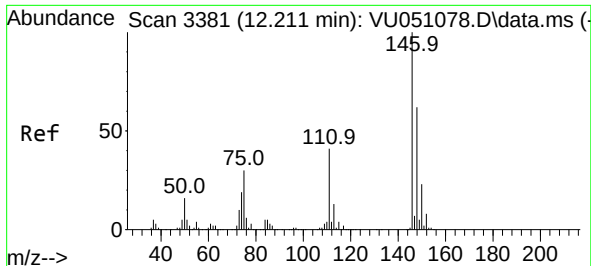
Tgt Ion:146 Resp: 367534
Ion Ratio Lower Upper
146 100
111 41.6 28.2 52.4
148 65.2 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 49.834 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion:146 Resp: 369207
Ion Ratio Lower Upper
146 100
111 39.3 27.0 50.2
148 64.2 45.1 83.9

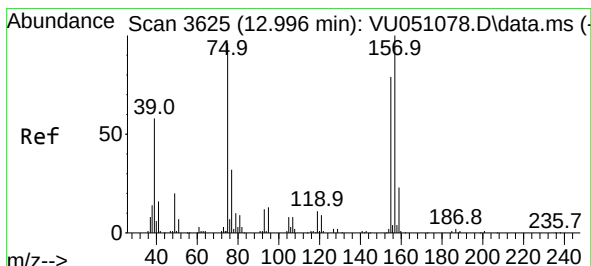
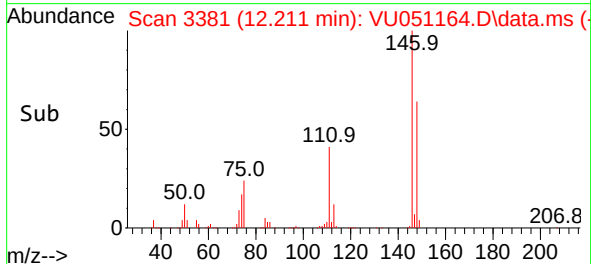
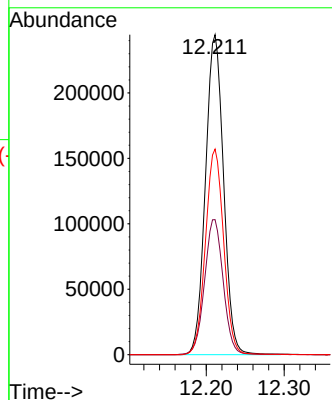
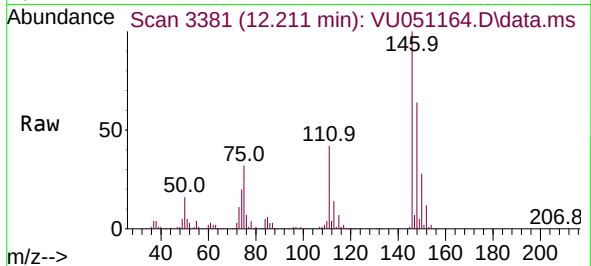




#67
1,2-Dichlorobenzene
Concen: 51.752 ug/L
RT: 12.211 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

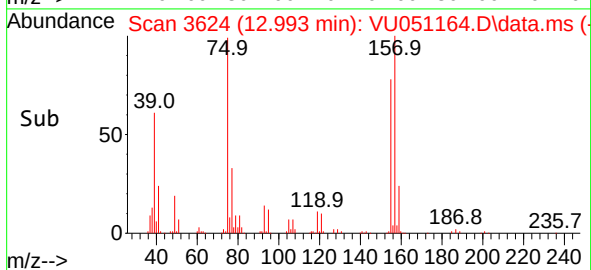
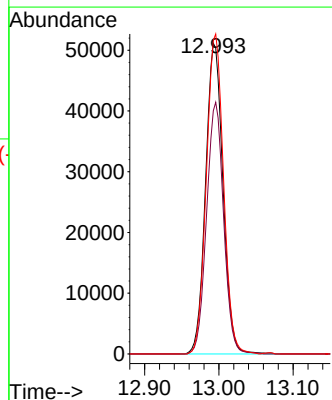
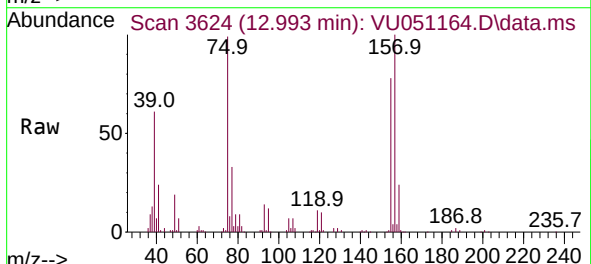
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

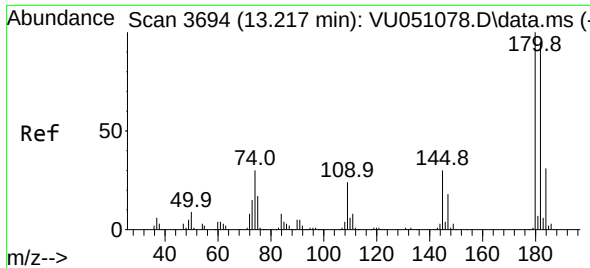
Tgt Ion:146 Resp: 394079
Ion Ratio Lower Upper
146 100
111 42.2 33.7 50.5
148 64.3 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 48.974 ug/L
RT: 12.993 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU051164.D
Acq: 06 Oct 2022 11:44

Tgt Ion: 75 Resp: 83236
Ion Ratio Lower Upper
75 100
155 78.3 64.4 96.6
157 100.9 82.2 123.2



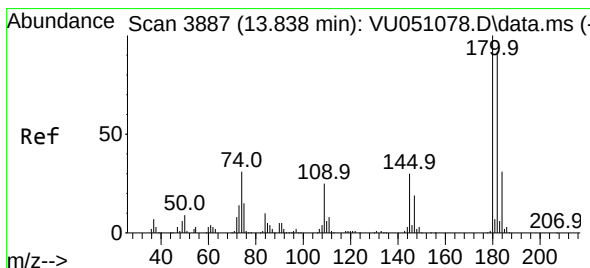
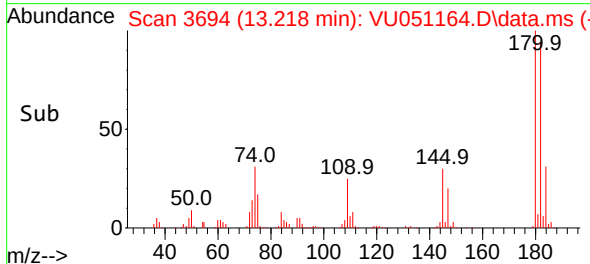
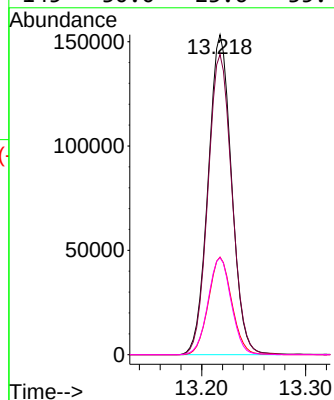
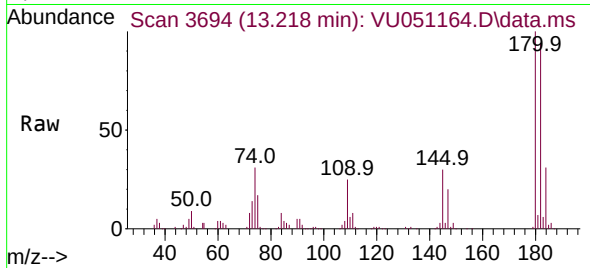


#69
 1,3,5-Trichlorobenzene
 Concen: 47.727 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051164.D
 Acq: 06 Oct 2022 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

Tgt Ion:180 Resp: 239876

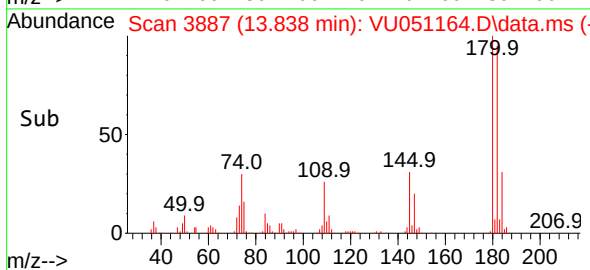
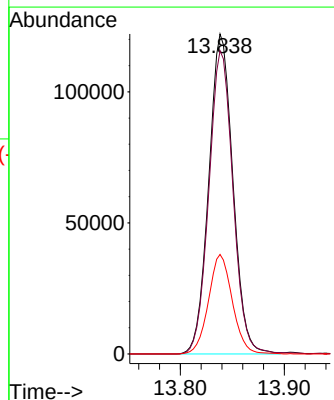
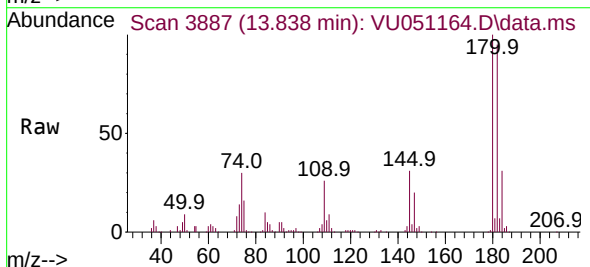
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.4
184	30.4	24.4	36.6
145	30.0	23.6	35.4

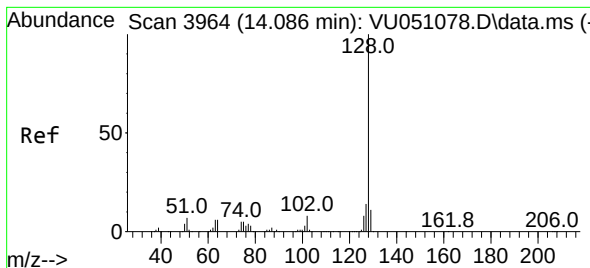


#70
 1,2,4-trichlorobenzene
 Concen: 47.837 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051164.D
 Acq: 06 Oct 2022 11:44

Tgt Ion:180 Resp: 196717

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.9	113.9
145	30.7	24.0	36.0





#71

Naphthalene

Concen: 52.781 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

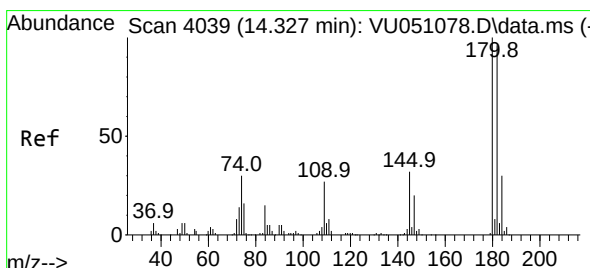
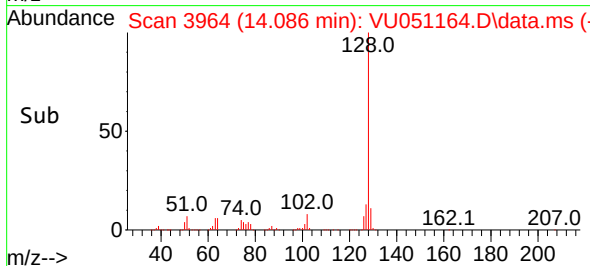
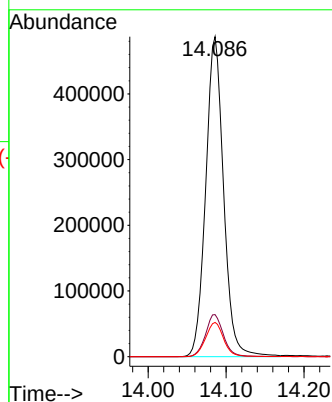
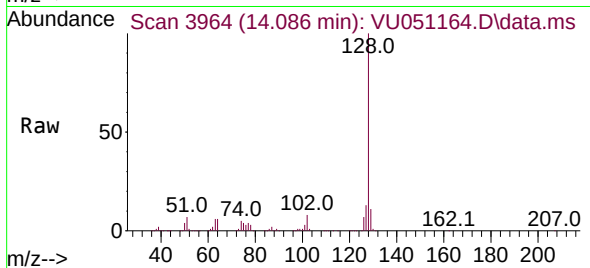
Tgt Ion:128 Resp: 776846

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.721 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051164.D

Acq: 06 Oct 2022 11:44

Tgt Ion:180 Resp: 237335

Ion Ratio Lower Upper

180 100

182 94.2 76.0 114.0

145 32.0 26.1 39.1

