

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051162.D
 Acq On : 06 Oct 2022 05:48
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

Quant Time: Oct 06 06:36:22 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	490532	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	484877	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	232262	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	160598	32.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.620%
7) Chloroethane-d5	1.896	69	147522	31.945	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.900%#
11) 1,1-Dichloroethene-d2	2.562	63	289001	39.355	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.720%
21) 2-Butanone-d5	4.620	46	281370	87.265	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.270%
24) Chloroform-d	5.060	84	345536	43.142	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.280%
26) 1,2-Dichloroethane-d4	5.700	65	213203	43.006	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.020%
32) Benzene-d6	5.726	84	687171	48.396	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.690	67	231405	50.224	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.440%
41) Toluene-d8	7.896	98	617818	47.094	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.180%
43) trans-1,3-Dichloroprop...	8.179	79	92371	42.032	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.060%
47) 2-Hexanone-d5	8.632	63	156720	84.239	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.240%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	364815	45.305	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.620%
66) 1,2-Dichlorobenzene-d4	12.192	152	221234	44.588	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	175873	42.757	ug/L	99
3) Chloromethane	1.523	50	227340	46.778	ug/L	100
5) Vinyl chloride	1.604	62	240094	46.550	ug/L	99
6) Bromomethane	1.832	94	146571	34.307	ug/L	99
8) Chloroethane	1.919	64	148228	39.137	ug/L	99
9) Trichlorofluoromethane	2.131	101	273590	39.450	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	165199	44.114	ug/L	98
12) 1,1-Dichloroethene	2.575	96	161245	46.095	ug/L	89
13) Acetone	2.623	43	204885	79.576	ug/L	98
14) Carbon disulfide	2.787	76	469834	45.437	ug/L	99
15) Methyl Acetate	2.944	43	227180	48.329	ug/L	99
16) Methylene chloride	3.041	84	218727	43.557	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	176894	47.533	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	587498	51.948	ug/L	99
19) 1,1-Dichloroethane	3.864	63	358072	50.653	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	209314	50.374	ug/L	98
22) 2-Butanone	4.697	43	329582	92.649	ug/L	98
23) Bromochloromethane	4.973	128	108747	47.765	ug/L	97
25) Chloroform	5.086	83	367429	47.785	ug/L	100

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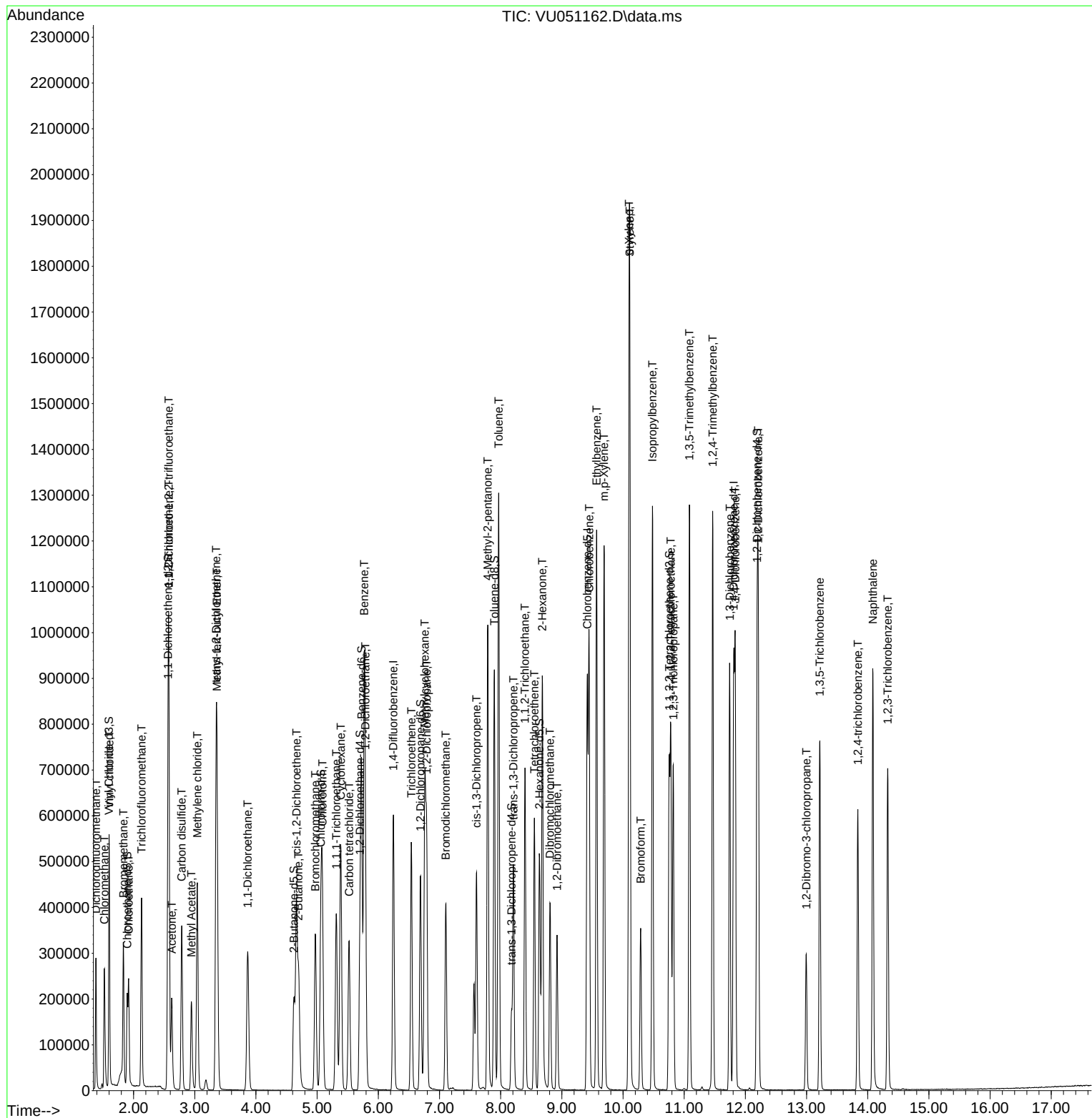
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	285337	48.443	ug/L	100
29) Cyclohexane	5.385	56	265169	56.165	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	281592	49.519	ug/L	99
31) Carbon tetrachloride	5.523	117	223951	48.268	ug/L	98
33) Benzene	5.771	78	825163	55.821	ug/L	100
34) Trichloroethene	6.539	95	189489	49.491	ug/L	97
35) Methylcyclohexane	6.761	83	261909	50.260	ug/L	98
37) 1,2-Dichloropropane	6.790	63	223594	56.169	ug/L	99
38) Bromodichloromethane	7.102	83	274538	51.678	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	287434	50.985	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	640850	111.164	ug/L	99
42) Toluene	7.967	91	962968	61.244	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	272834	47.864	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	218105	50.582	ug/L	98
46) Tetrachloroethene	8.552	164	132452	45.649	ug/L	98
48) 2-Hexanone	8.681	43	541073	103.332	ug/L	98
49) Dibromochloromethane	8.806	129	213055	46.997	ug/L	99
50) 1,2-Dibromoethane	8.922	107	228011	48.772	ug/L	99
51) Chlorobenzene	9.446	112	520764	48.703	ug/L	99
52) Ethylbenzene	9.568	91	846619	50.479	ug/L	100
53) m,p-Xylene	9.690	106	334955	53.109	ug/L	100
54) o-Xylene	10.098	106	334131	53.004	ug/L	99
55) Styrene	10.111	104	578430	53.089	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	397189	52.048	ug/L	99
59) Bromoform	10.288	173	162560	47.568	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	304524	49.823	ug/L	98
61) Isopropylbenzene	10.481	105	808773	53.604	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	680977	55.195	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	683213	55.252	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	379303	48.765	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	374396	48.152	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	396493	49.614	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	77527	43.465	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	241500	45.785	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	192858	44.688	ug/L	99
71) Naphthalene	14.082	128	742950	48.099	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	220502	45.788	ug/L	100

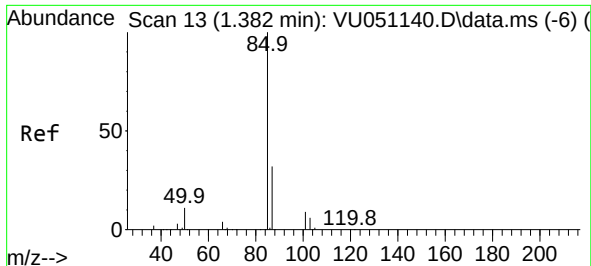
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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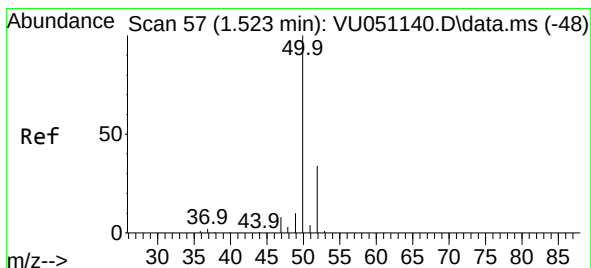
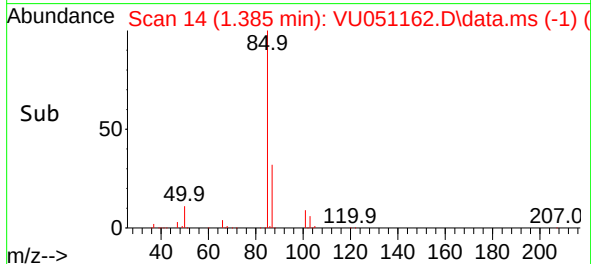
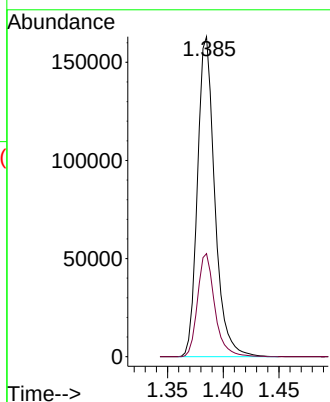
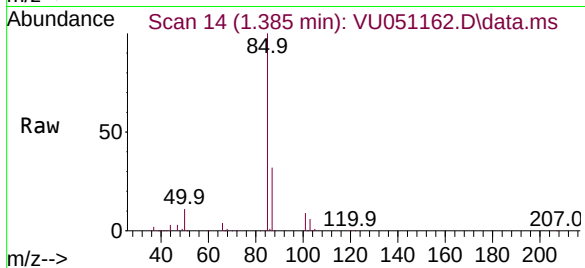




#2
Dichlorodifluoromethane
Concen: 42.757 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

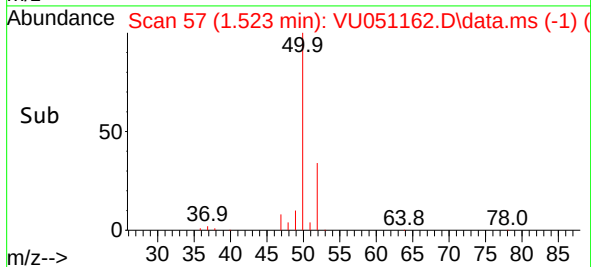
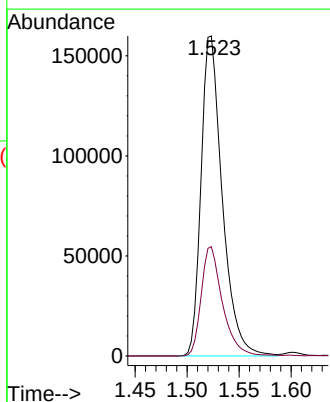
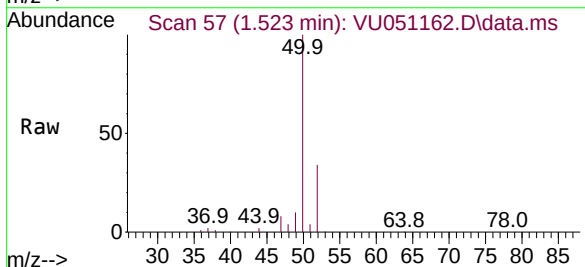
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

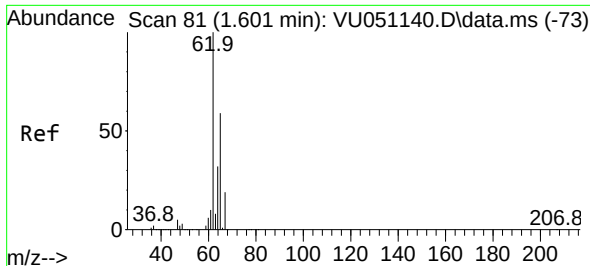
Tgt Ion: 85 Resp: 175873
Ion Ratio Lower Upper
85 100
87 32.1 25.9 38.9



#3
Chloromethane
Concen: 46.778 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion: 50 Resp: 227340
Ion Ratio Lower Upper
50 100
52 34.2 23.7 44.1

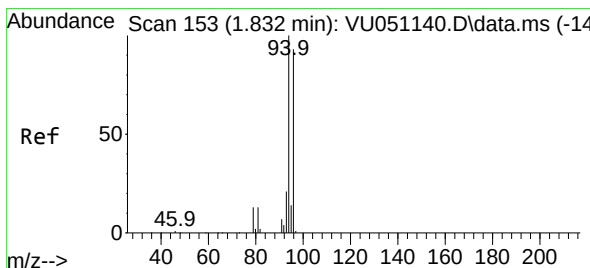
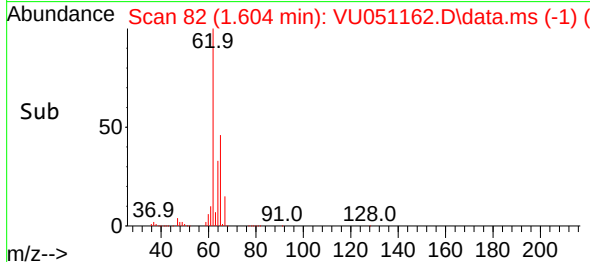
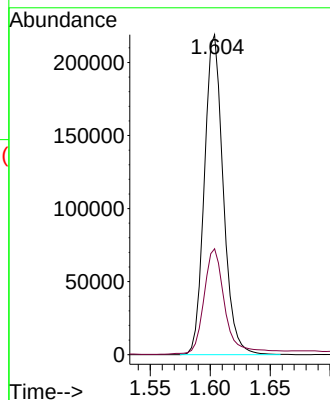
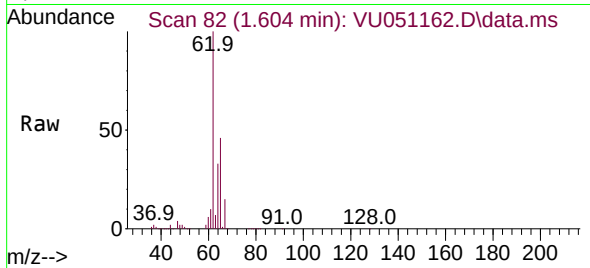




#5
 Vinyl chloride
 Concen: 46.550 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU051162.D
 Acq: 06 Oct 2022 05:48

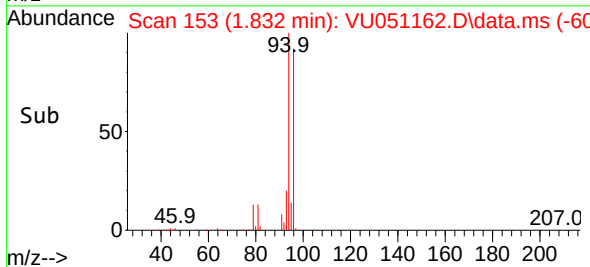
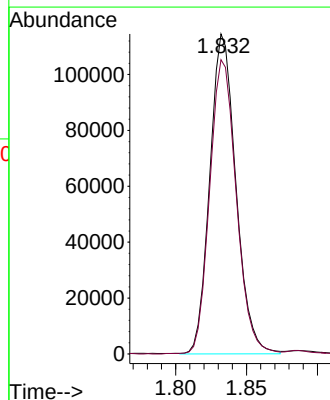
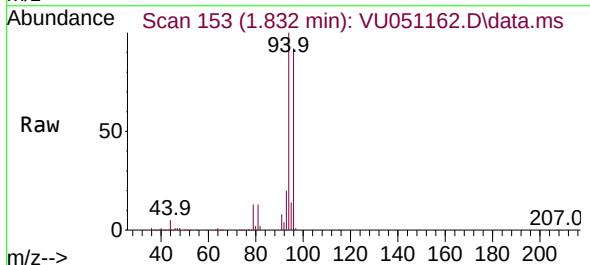
Instrument :
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 ClientSampleId :
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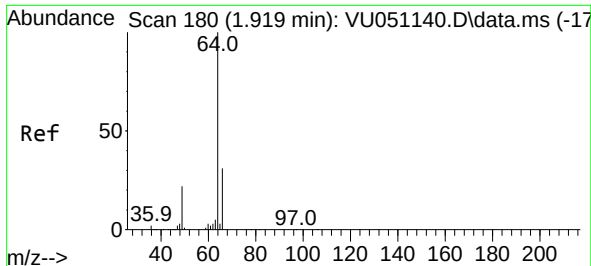
Tgt Ion: 62 Resp: 240094
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.5 43.7



#6
 Bromomethane
 Concen: 34.307 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.000 min
 Lab File: VU051162.D
 Acq: 06 Oct 2022 05:48

Tgt Ion: 94 Resp: 146571
 Ion Ratio Lower Upper
 94 100
 96 92.0 63.9 118.7

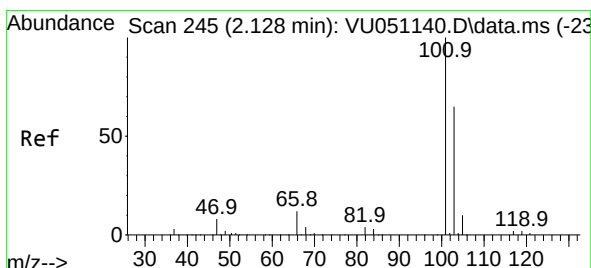
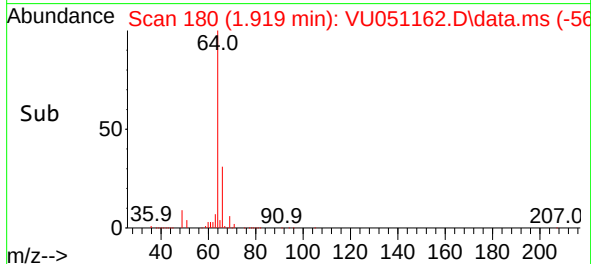
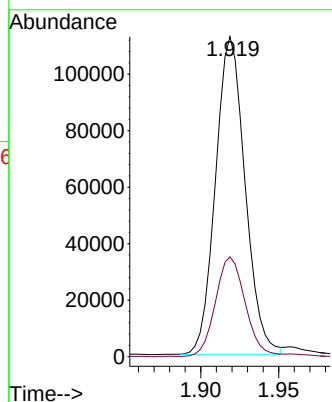
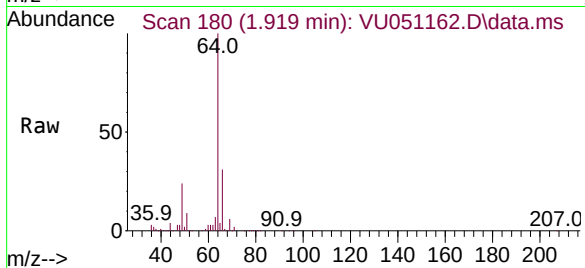




#8
Chloroethane
Concen: 39.137 ug/L
RT: 1.919 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

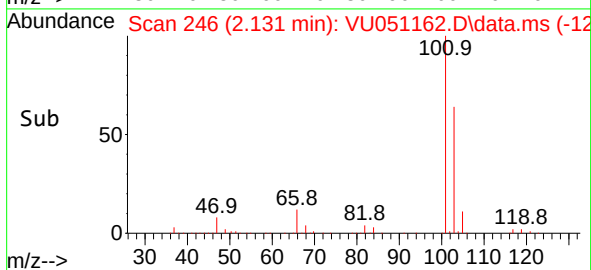
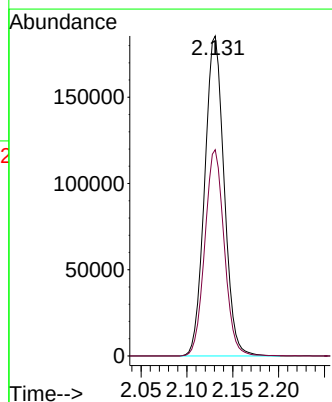
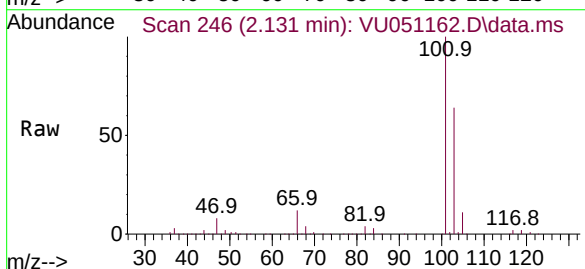
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MSVOA_U
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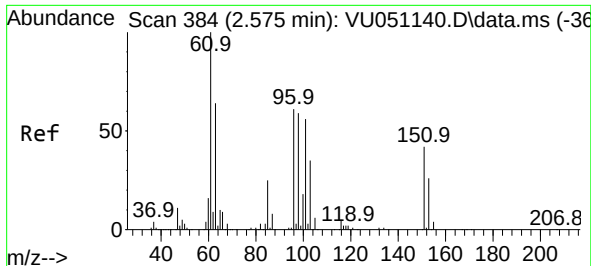
Tgt Ion: 64 Resp: 148228
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 39.450 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.003 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion: 101 Resp: 273590
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.6

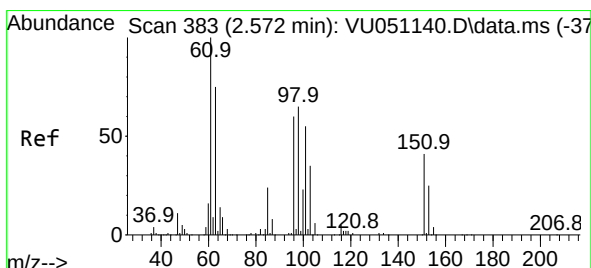
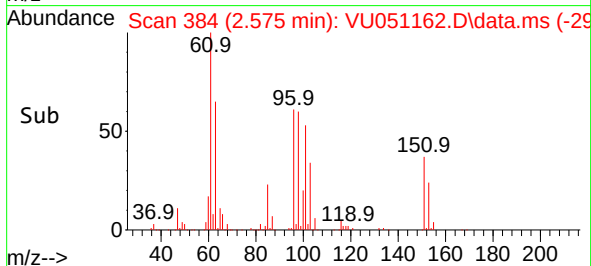
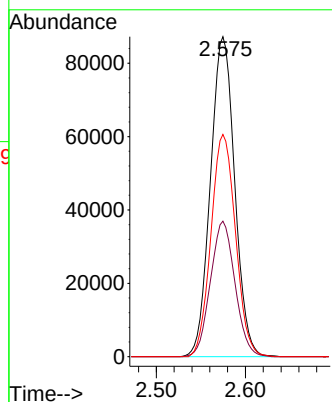
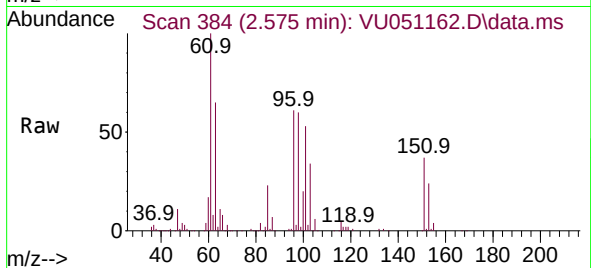




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.114 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU051162.D
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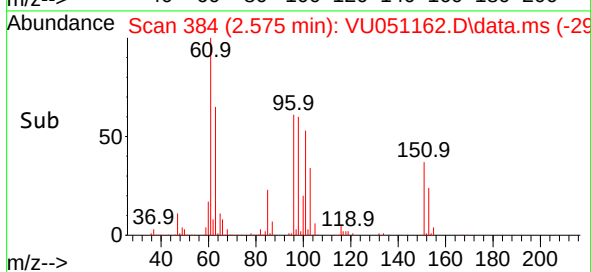
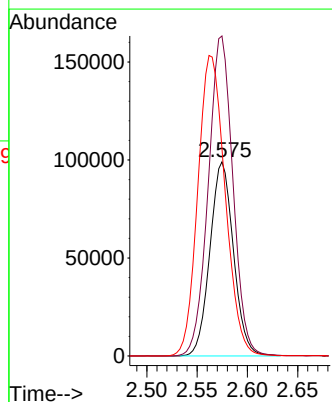
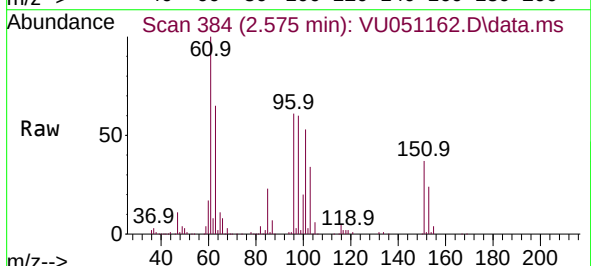
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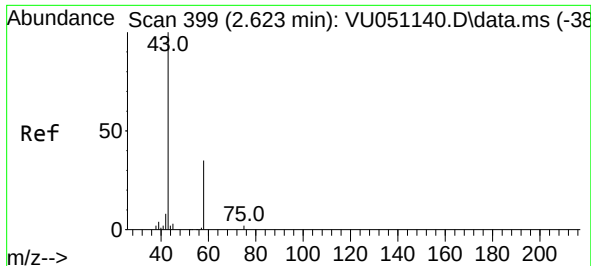
Tgt Ion:101 Resp: 165199
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.6 52.0
 151 70.2 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 46.095 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.003 min
 Lab File: VU051162.D
 Acq: 06 Oct 2022 05:48

Tgt Ion: 96 Resp: 161245
 Ion Ratio Lower Upper
 96 100
 61 164.9 113.0 209.9
 63 106.9 91.7 170.3





#13

Acetone

Concen: 79.576 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

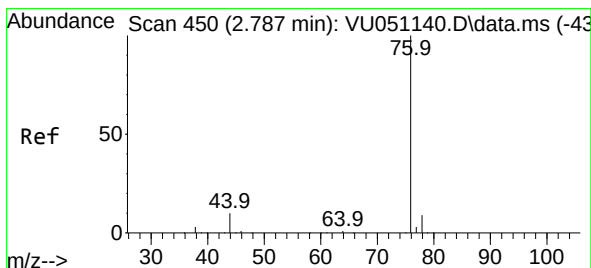
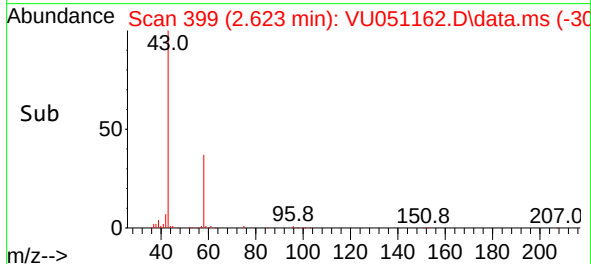
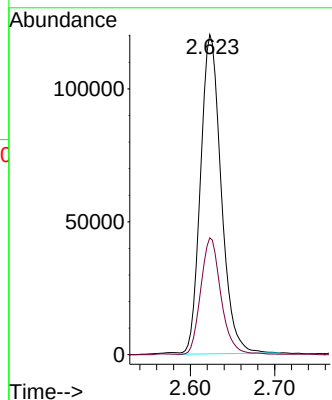
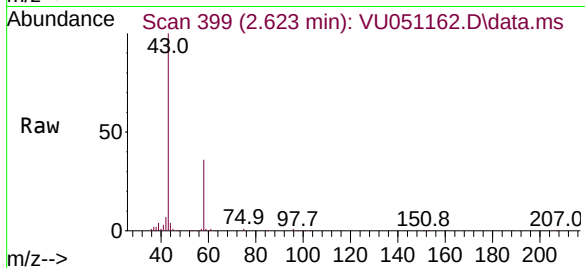
VSTD050109

Tgt Ion: 43 Resp: 204885

Ion Ratio Lower Upper

43 100

58 35.4 0.0 73.6



#14

Carbon disulfide

Concen: 45.437 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU051162.D

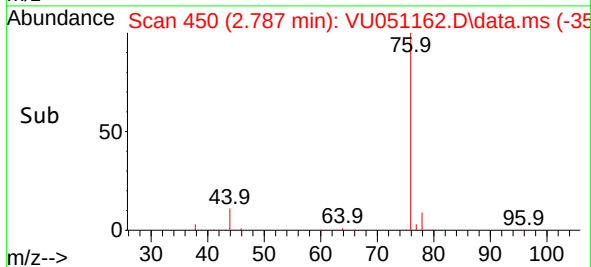
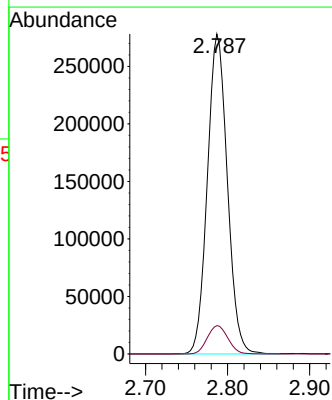
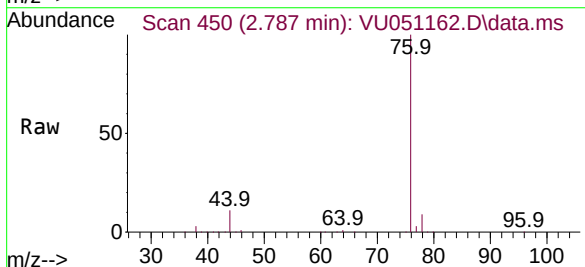
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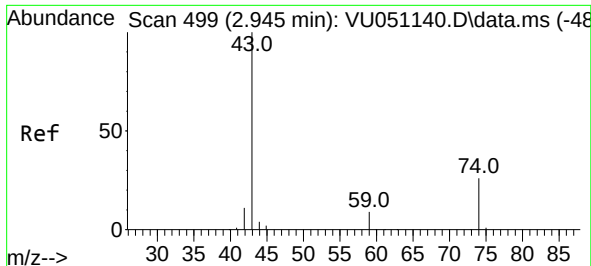
Tgt Ion: 76 Resp: 469834

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

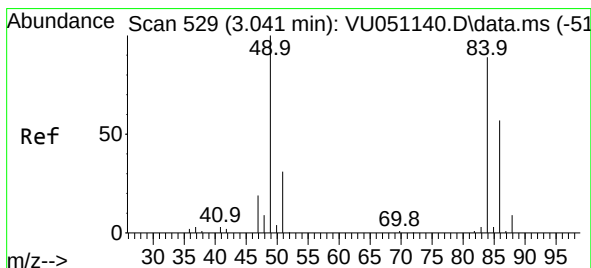
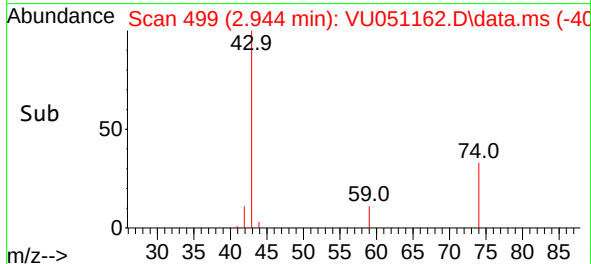
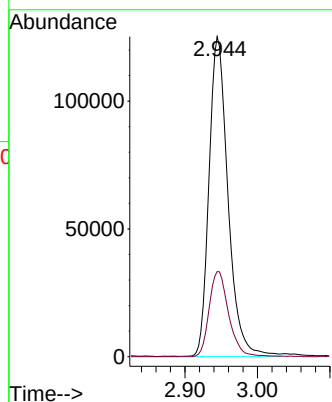
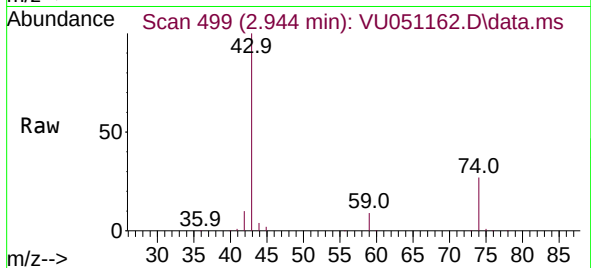




#15
Methyl Acetate
Concen: 48.329 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

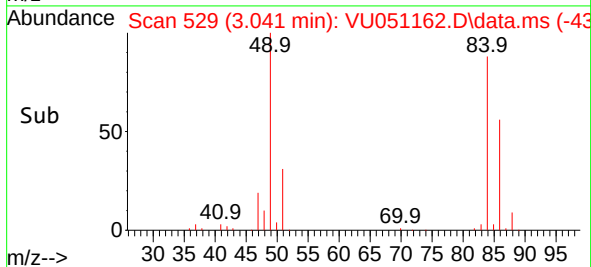
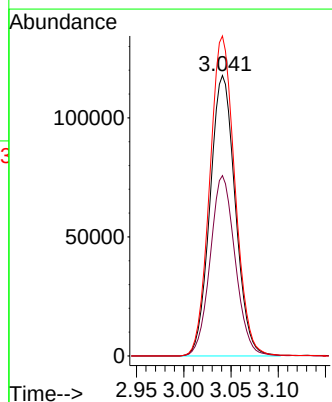
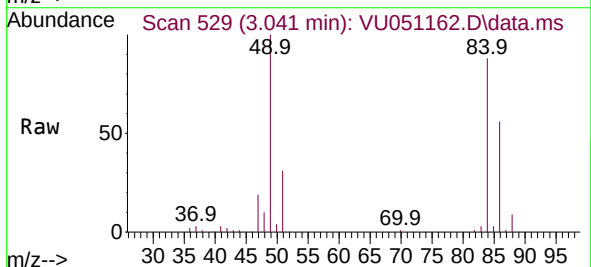
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

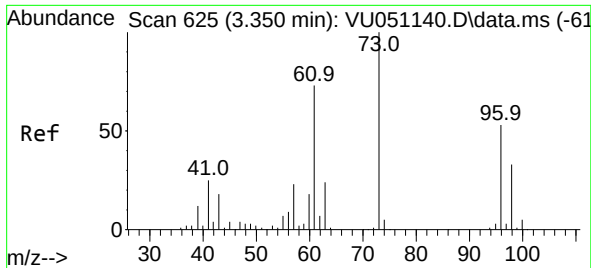
Tgt Ion: 43 Resp: 227180
Ion Ratio Lower Upper
43 100
74 27.5 22.4 33.6



#16
Methylene chloride
Concen: 43.557 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion: 84 Resp: 218727
Ion Ratio Lower Upper
84 100
86 64.3 45.4 84.4
49 114.1 78.3 145.3



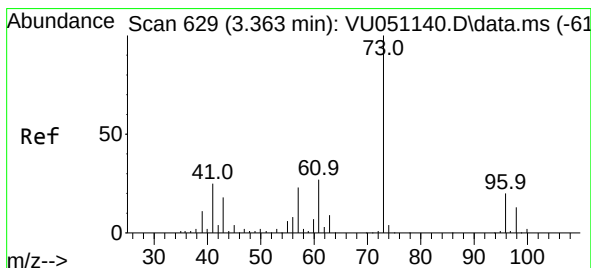
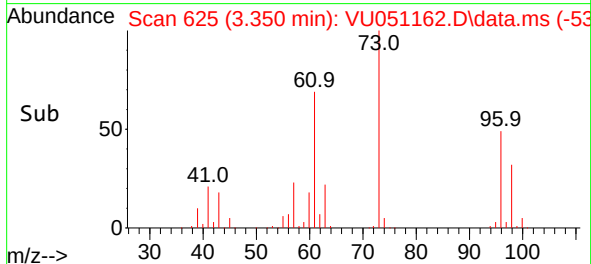
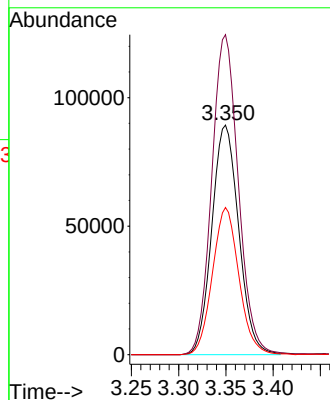
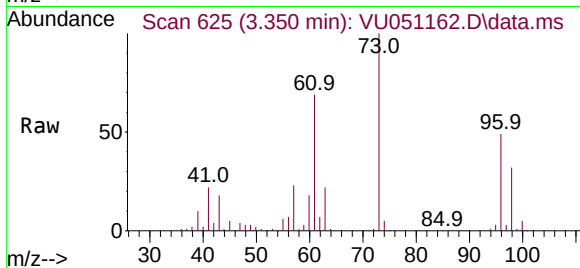


#17
 trans-1,2-Dichloroethene
 Concen: 47.533 ug/L
 RT: 3.350 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VU051162.D
 Acq: 06 Oct 2022 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

Tgt Ion: 96 Resp: 176894

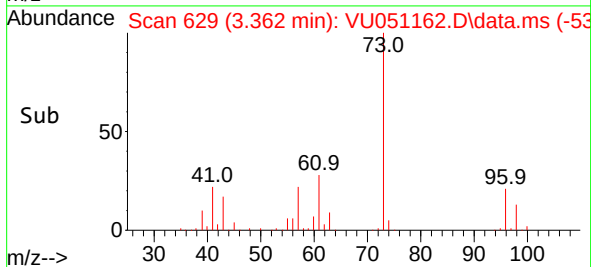
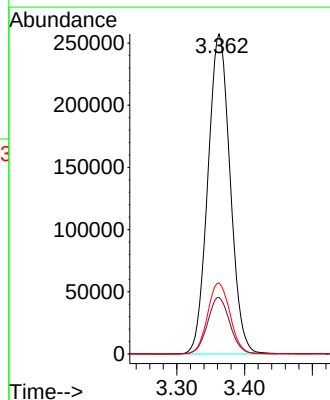
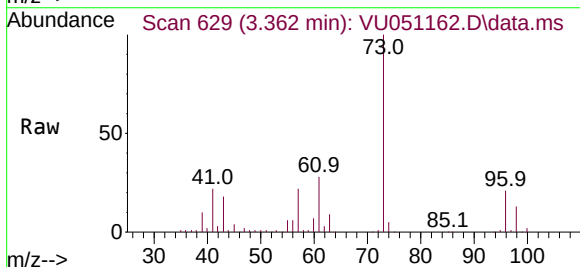
Ion	Ratio	Lower	Upper
96	100		
61	139.4	95.1	176.5
98	64.1	45.1	83.7

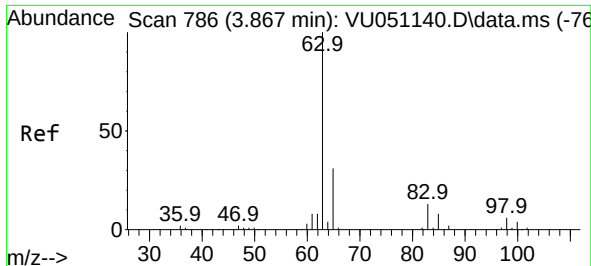


#18
 Methyl tert-butyl Ether
 Concen: 51.948 ug/L
 RT: 3.362 min Scan# 629
 Delta R.T. -0.000 min
 Lab File: VU051162.D
 Acq: 06 Oct 2022 05:48

Tgt Ion: 73 Resp: 587498

Ion	Ratio	Lower	Upper
73	100		
43	17.7	14.7	22.1
57	22.4	17.5	26.3





#19

1,1-Dichloroethane

Concen: 50.653 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

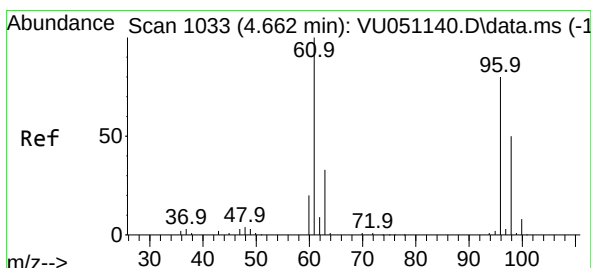
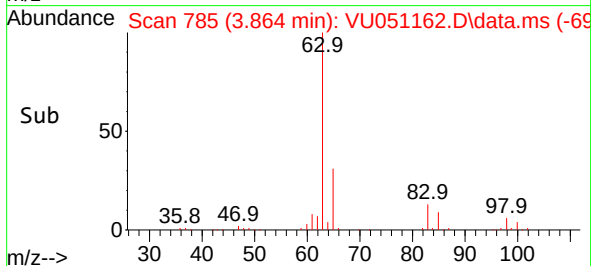
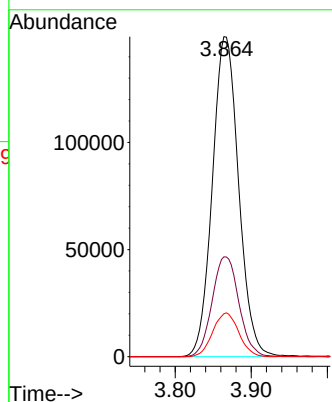
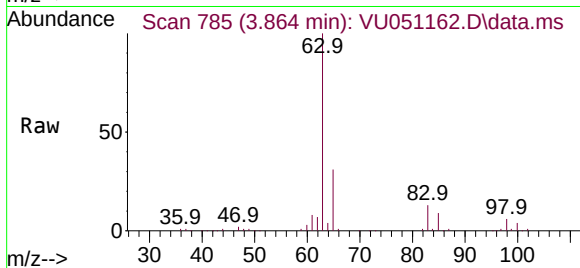
Tgt Ion: 63 Resp: 358072

Ion Ratio Lower Upper

63 100

65 31.2 22.6 42.0

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 50.374 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

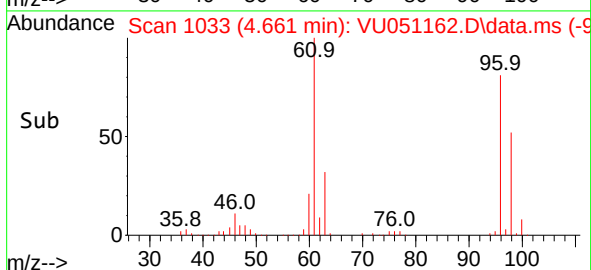
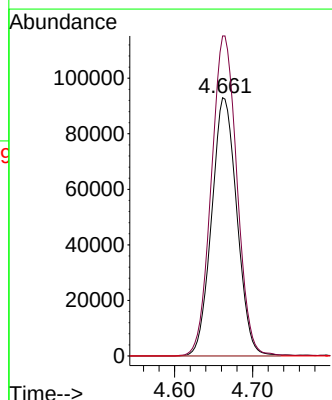
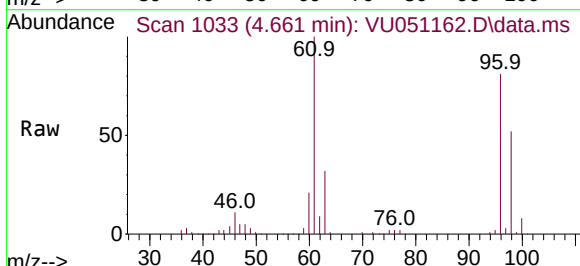
Tgt Ion: 96 Resp: 209314

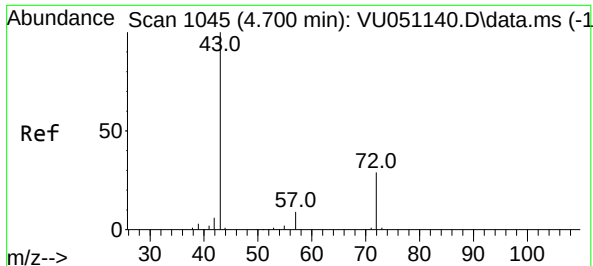
Ion Ratio Lower Upper

96 100

61 123.9 85.4 158.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.649 ug/L

RT: 4.697 min Scan# 110

Delta R.T. -0.003 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

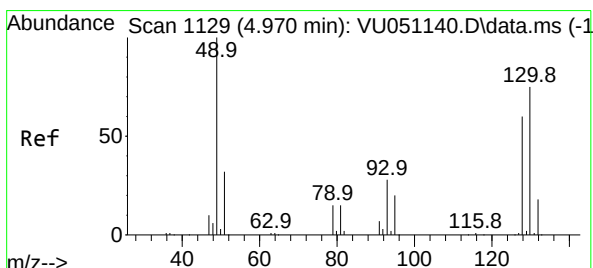
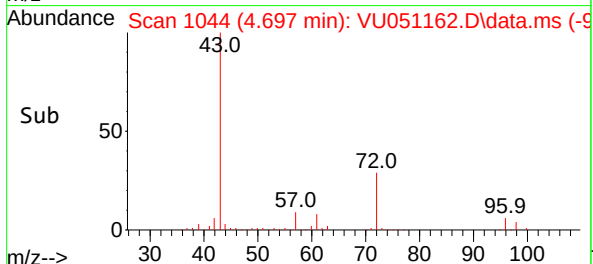
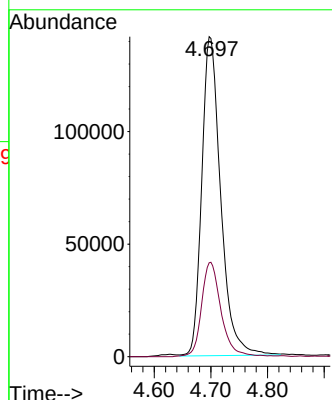
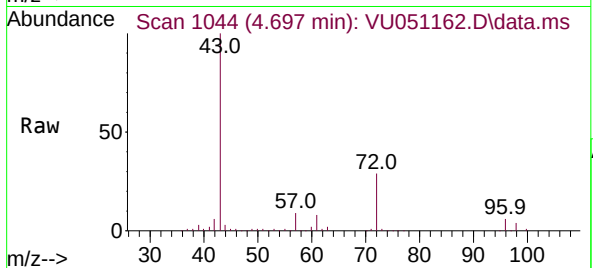
VSTD050109

Tgt Ion: 43 Resp: 329582

Ion Ratio Lower Upper

43 100

72 30.3 15.8 47.4



#23

Bromochloromethane

Concen: 47.765 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Tgt Ion:128 Resp: 108747

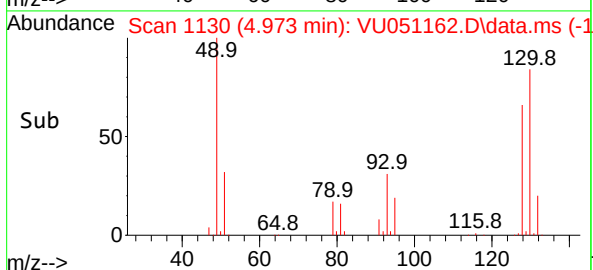
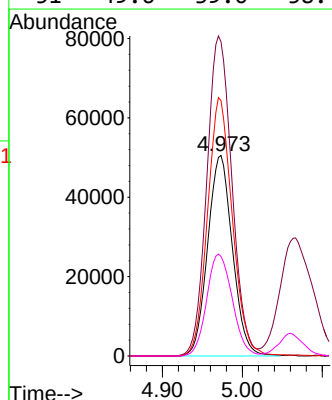
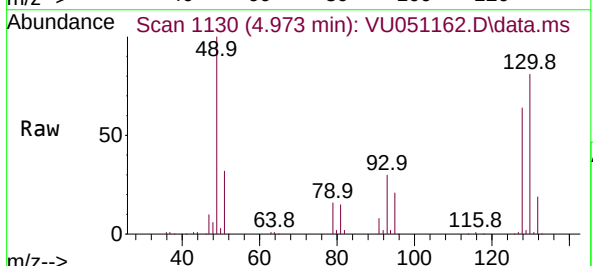
Ion Ratio Lower Upper

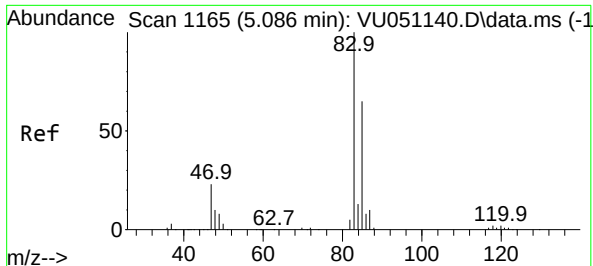
128 100

49 156.8 106.9 198.5

130 127.4 86.2 160.0

51 49.6 39.0 58.4





#25

Chloroform

Concen: 47.785 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

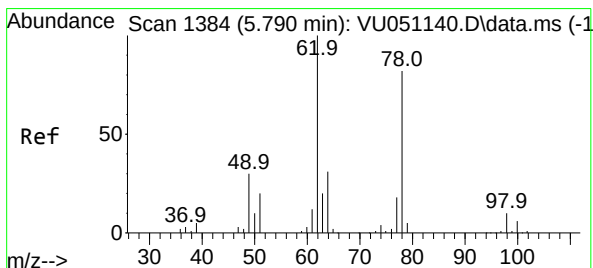
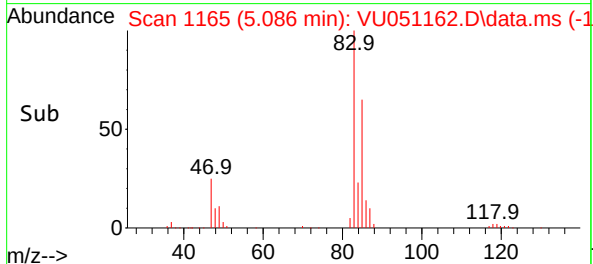
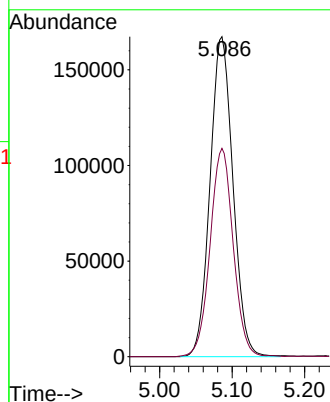
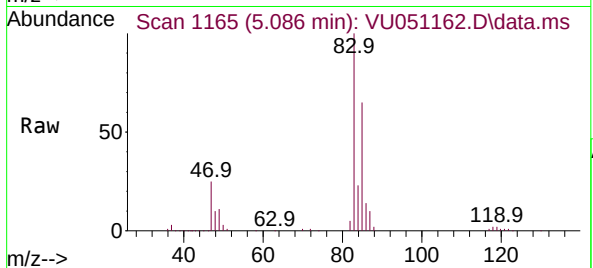
VSTD050109

Tgt Ion: 83 Resp: 367429

Ion Ratio Lower Upper

83 100

85 65.1 45.7 84.9



#27

1,2-Dichloroethane

Concen: 48.443 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU051162.D

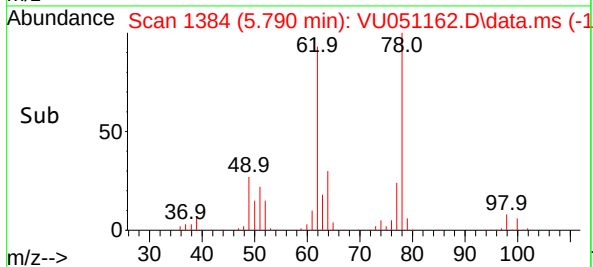
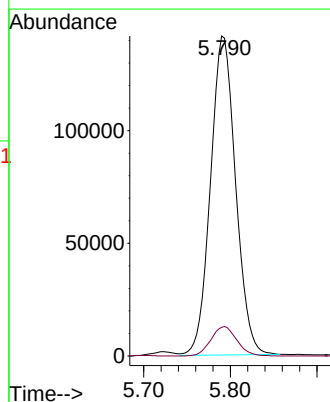
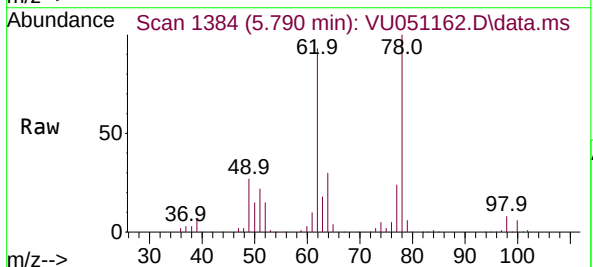
Acq: 06 Oct 2022 05:48

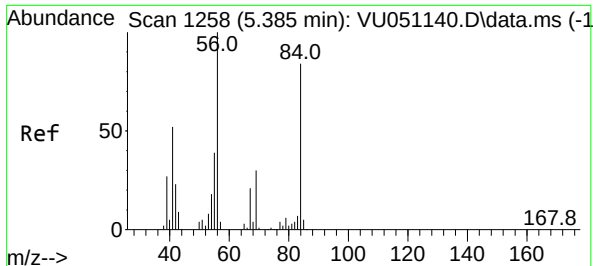
Tgt Ion: 62 Resp: 285337

Ion Ratio Lower Upper

62 100

98 9.0 7.3 10.9





#29

Cyclohexane

Concen: 56.165 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

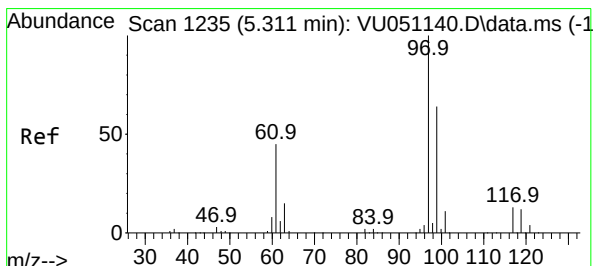
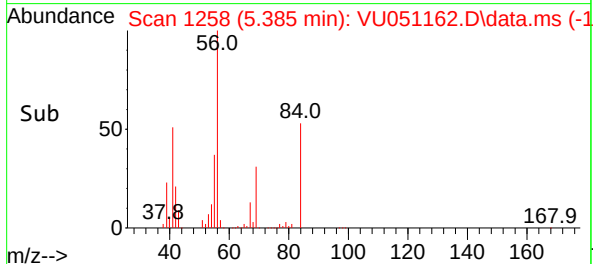
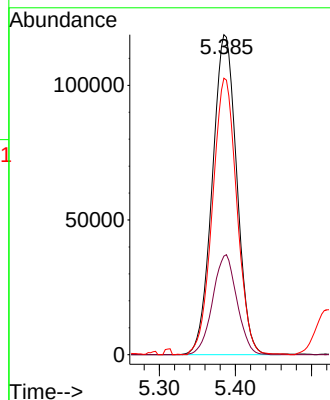
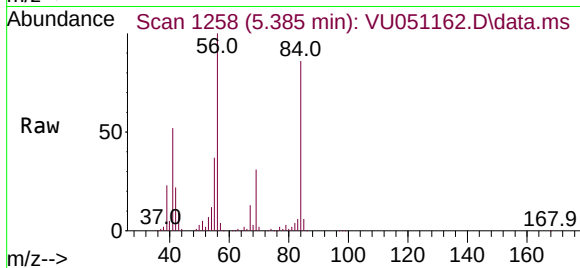
Tgt Ion: 56 Resp: 265169

Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 86.1 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 49.519 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

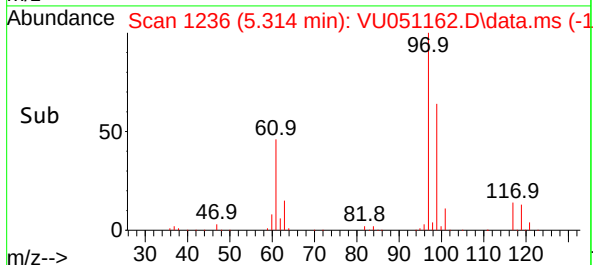
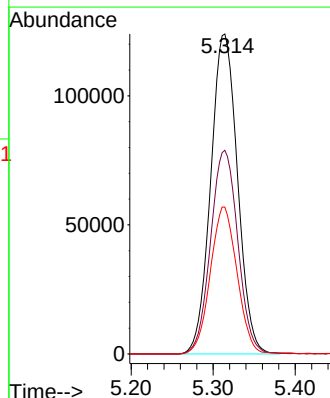
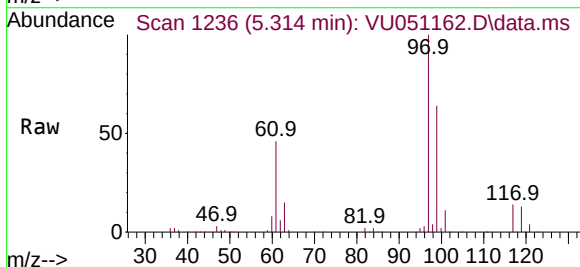
Tgt Ion: 97 Resp: 281592

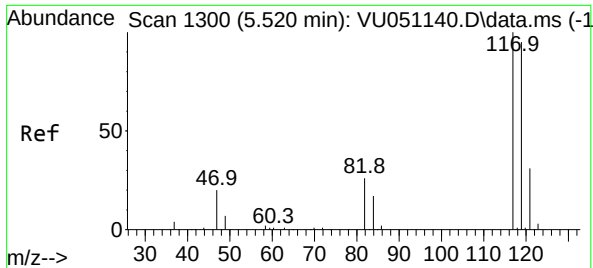
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.2

61 45.9 36.0 54.0

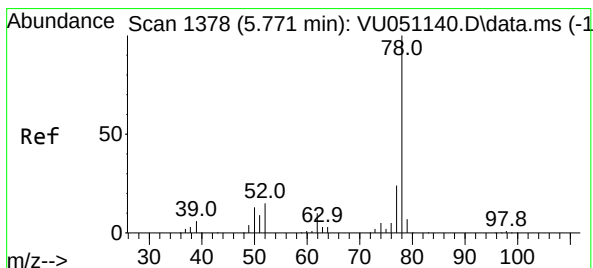
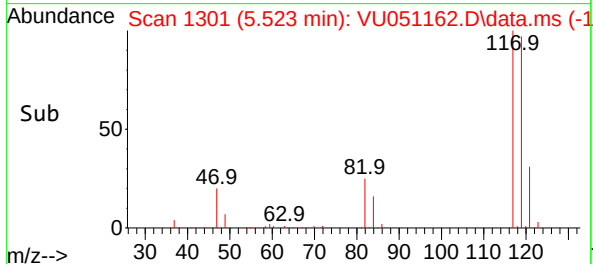
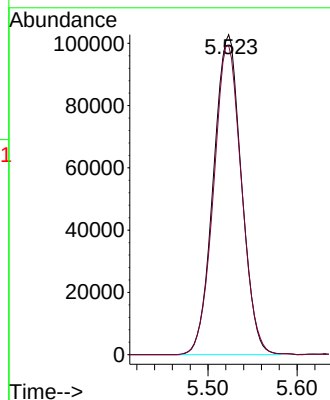
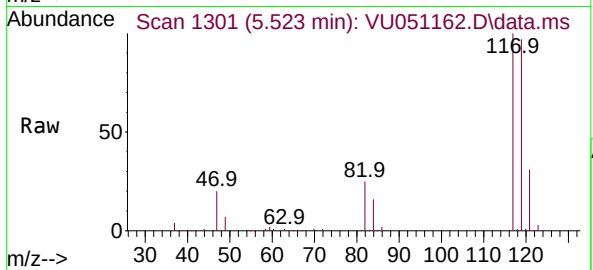




#31
Carbon tetrachloride
Concen: 48.268 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

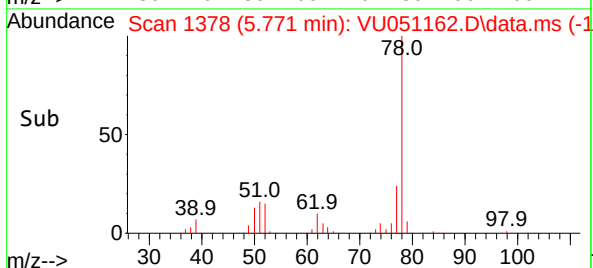
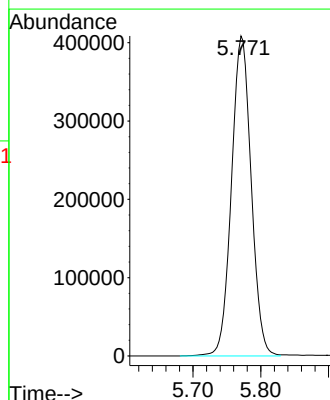
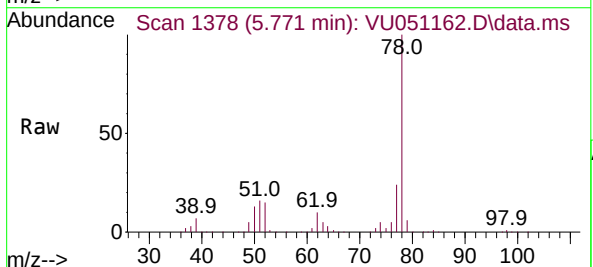
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

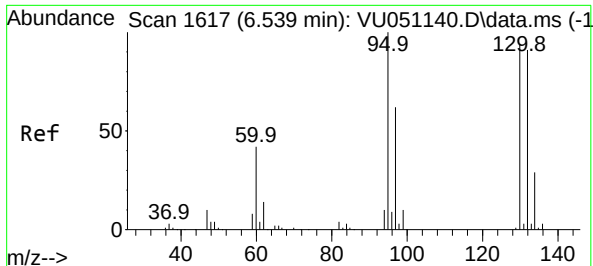
Tgt Ion:117 Resp: 223951
Ion Ratio Lower Upper
117 100
119 96.8 75.7 113.5



#33
Benzene
Concen: 55.821 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion: 78 Resp: 825163





#34

Trichloroethene

Concen: 49.491 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

Tgt Ion: 95 Resp: 189489

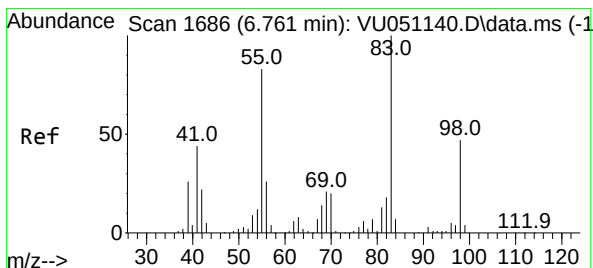
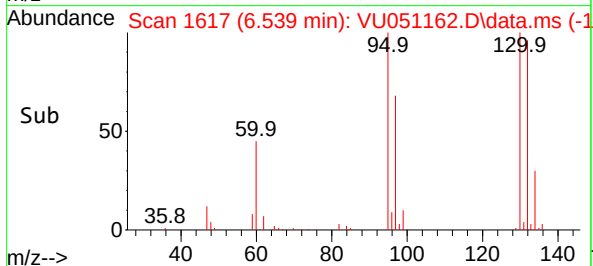
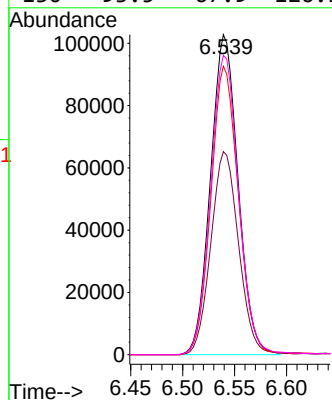
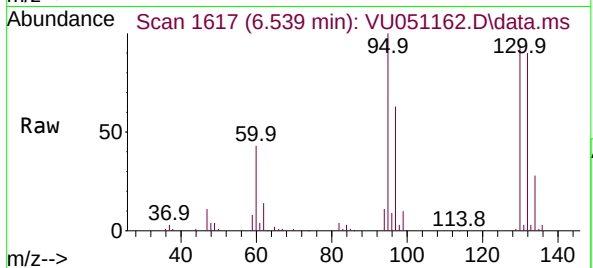
Ion Ratio Lower Upper

95 100

97 63.5 45.9 85.3

132 90.1 64.0 119.0

130 93.5 67.9 126.1



#35

Methylcyclohexane

Concen: 50.260 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

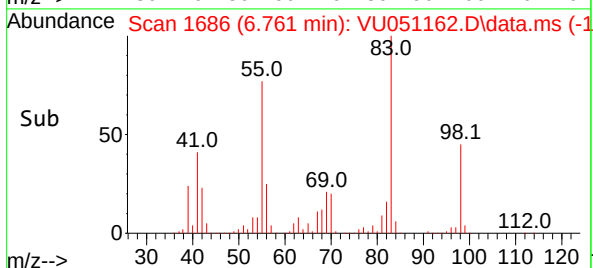
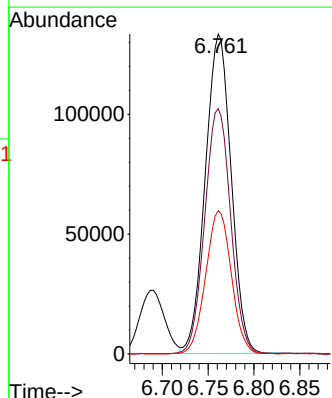
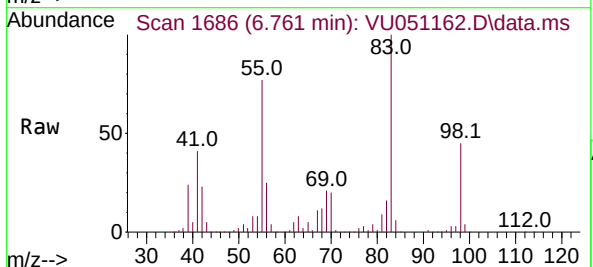
Tgt Ion: 83 Resp: 261909

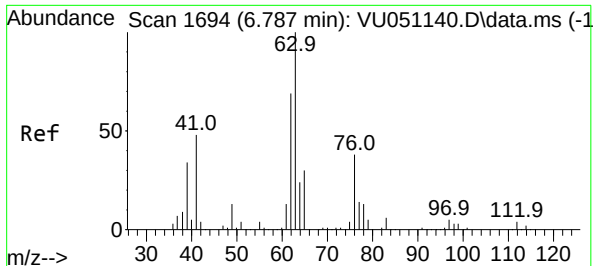
Ion Ratio Lower Upper

83 100

55 77.1 59.3 88.9

98 44.5 36.0 54.0





#37

1,2-Dichloropropane

Concen: 56.169 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

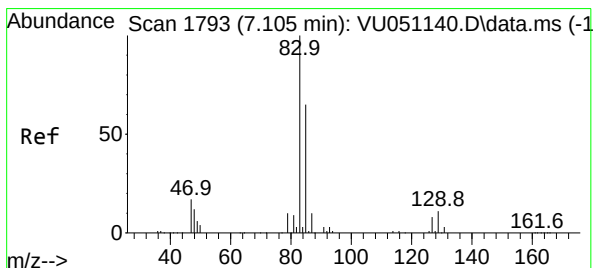
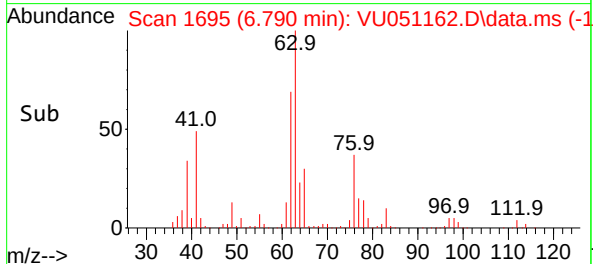
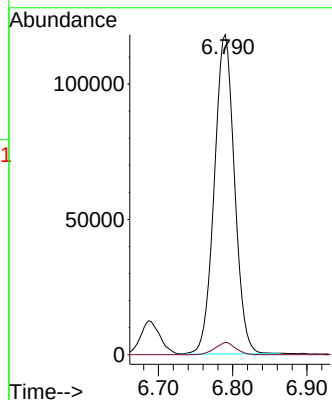
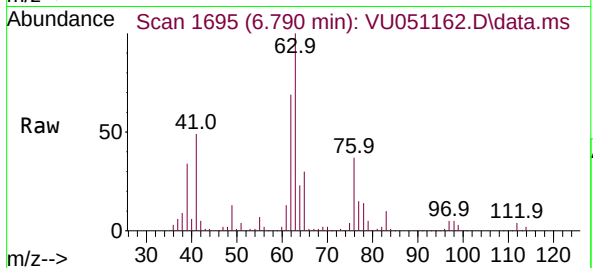
VSTD050109

Tgt Ion: 63 Resp: 223594

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 51.678 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

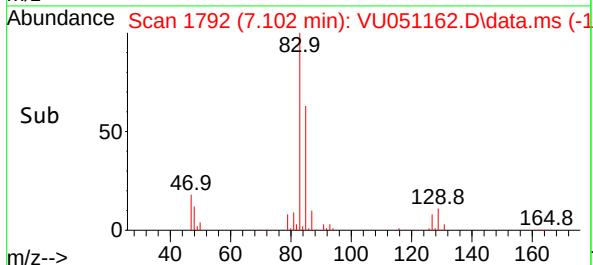
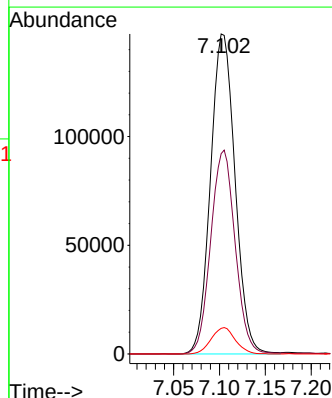
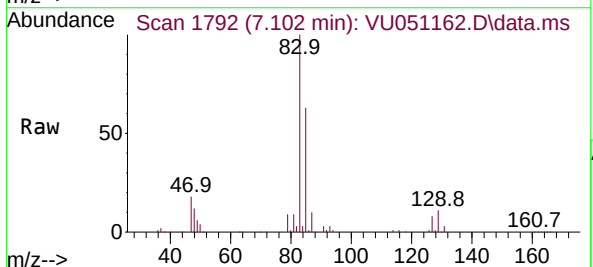
Tgt Ion: 83 Resp: 274538

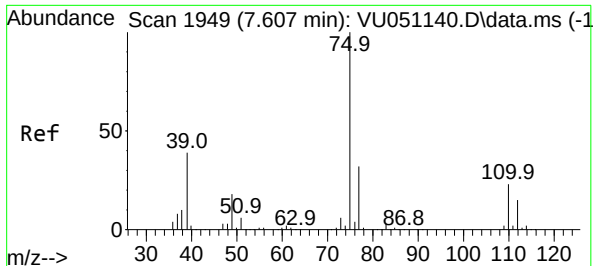
Ion Ratio Lower Upper

83 100

85 62.6 45.1 83.7

127 8.0 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 50.985 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

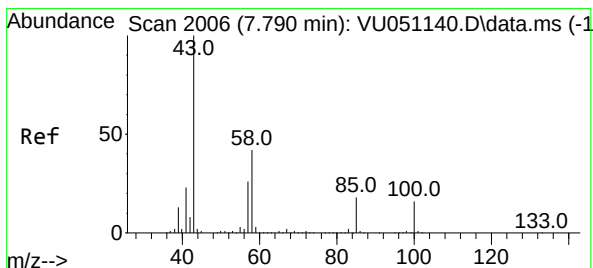
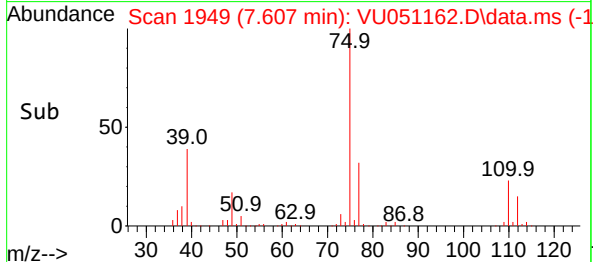
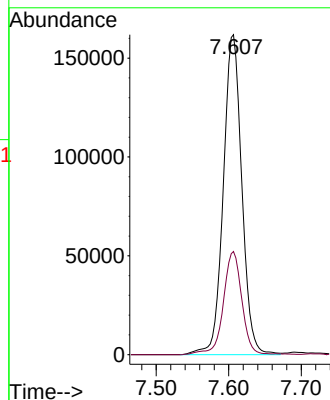
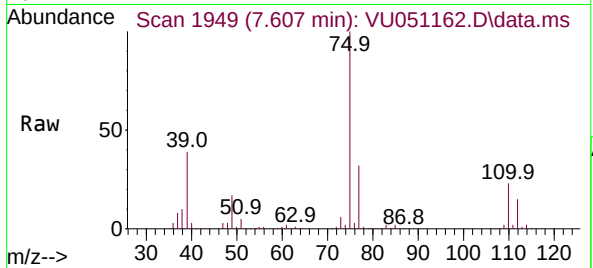
VSTD050109

Tgt Ion: 75 Resp: 287434

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 111.164 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

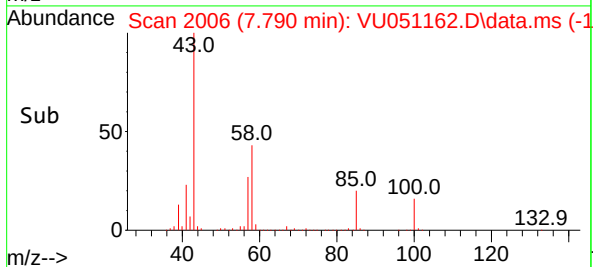
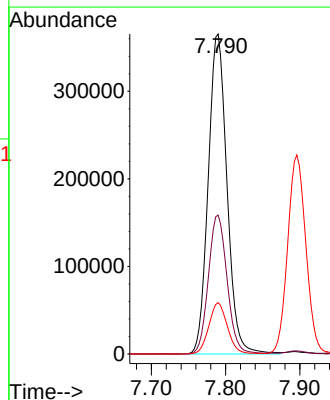
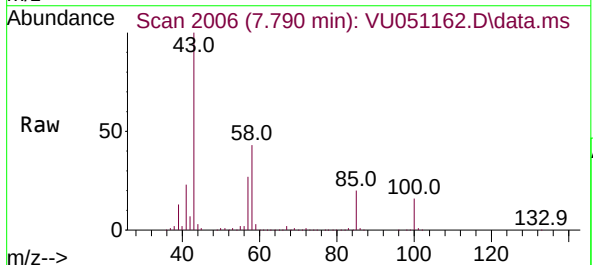
Tgt Ion: 43 Resp: 640850

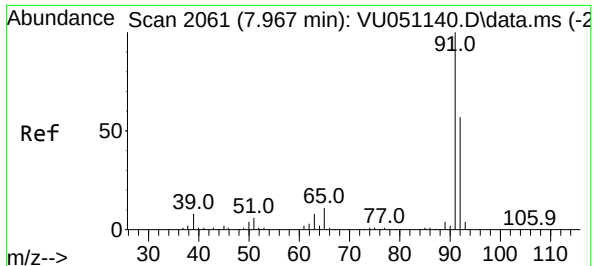
Ion Ratio Lower Upper

43 100

58 43.3 35.0 52.4

100 15.7 13.3 19.9





#42

Toluene

Concen: 61.244 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

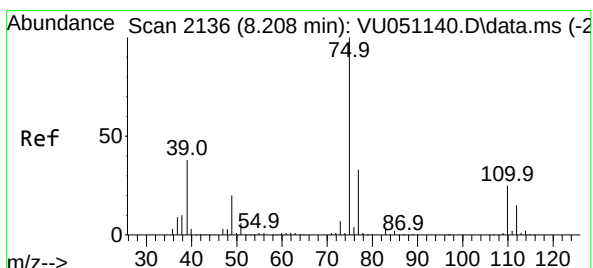
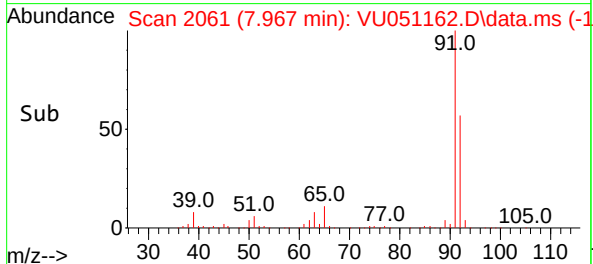
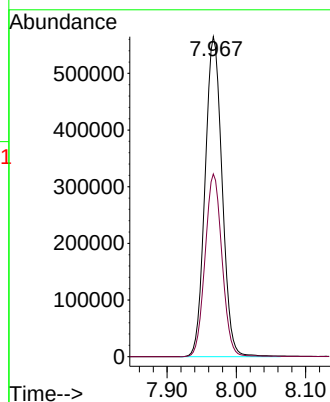
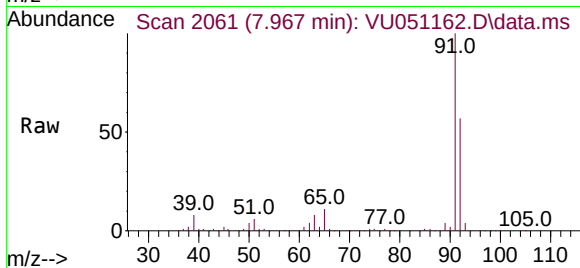
VSTD050109

Tgt Ion: 91 Resp: 962968

Ion Ratio Lower Upper

91 100

92 57.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 47.864 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051162.D

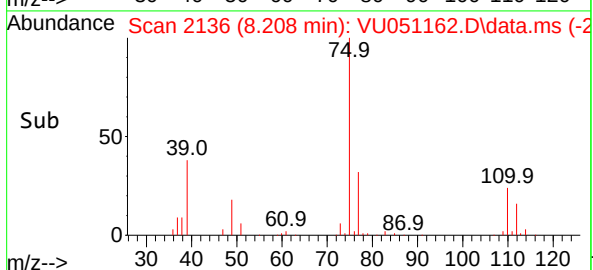
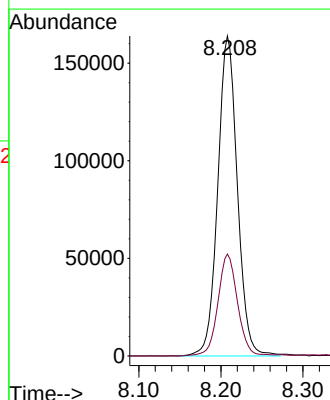
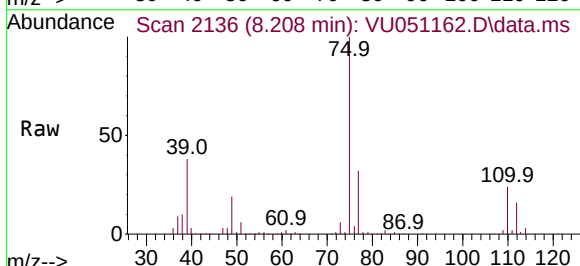
Acq: 06 Oct 2022 05:48

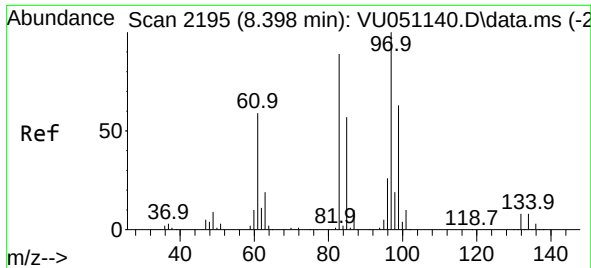
Tgt Ion: 75 Resp: 272834

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.3



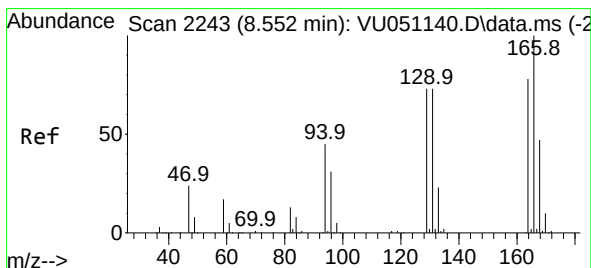
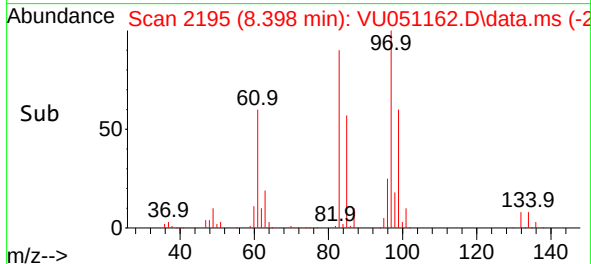
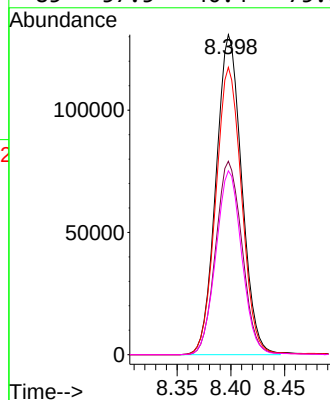
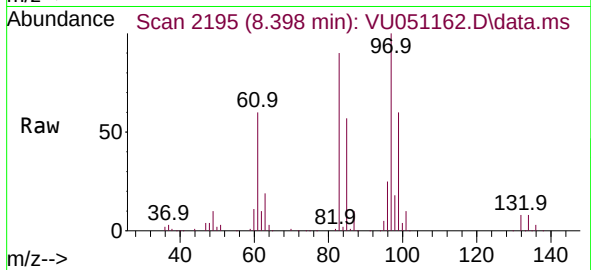


#45
1,1,2-Trichloroethane
Concen: 50.582 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

Tgt Ion: 97 Resp: 218105

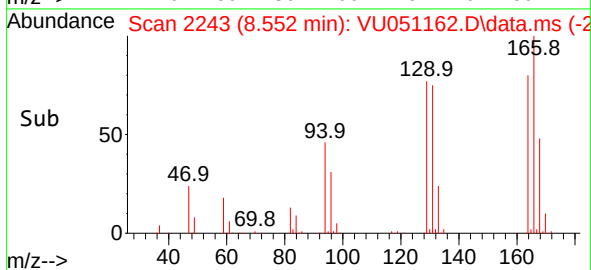
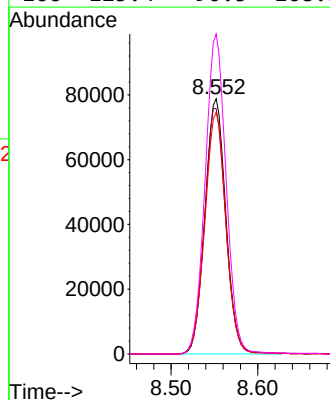
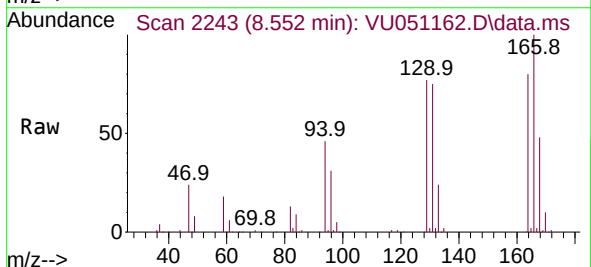
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.4	82.4
83	89.8	61.7	114.5
85	57.5	40.4	75.0

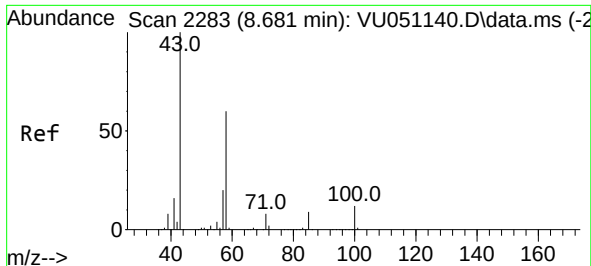


#46
Tetrachloroethene
Concen: 45.649 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion: 164 Resp: 132452

Ion	Ratio	Lower	Upper
164	100		
129	96.1	68.1	126.5
131	94.7	67.8	126.0
166	125.4	90.5	168.1

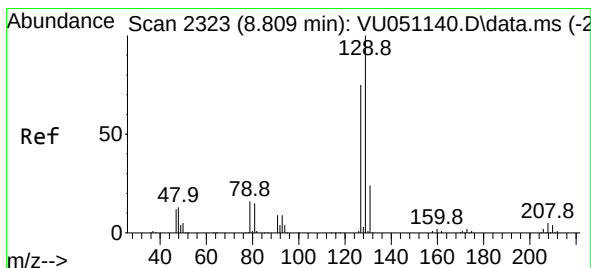
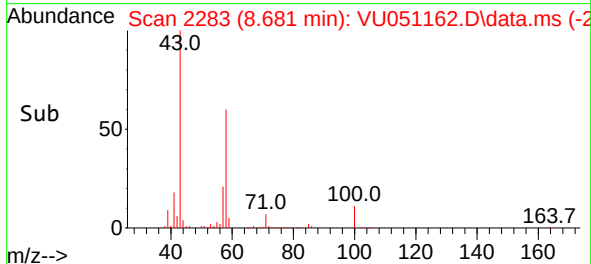
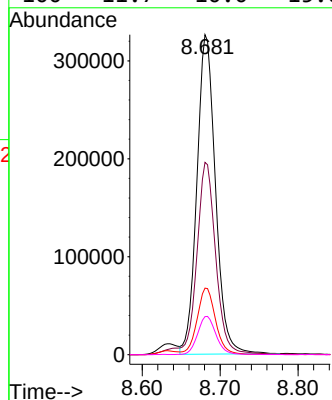
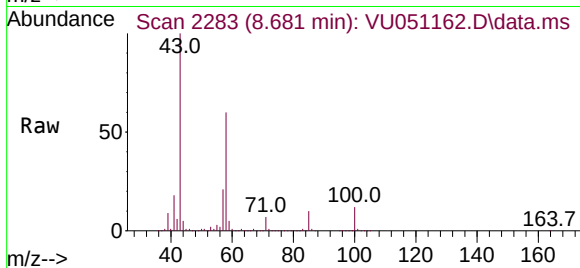




#48
2-Hexanone
Concen: 103.332 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

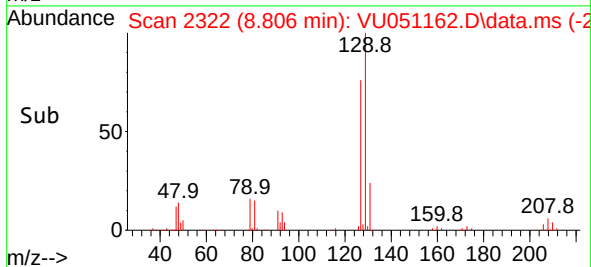
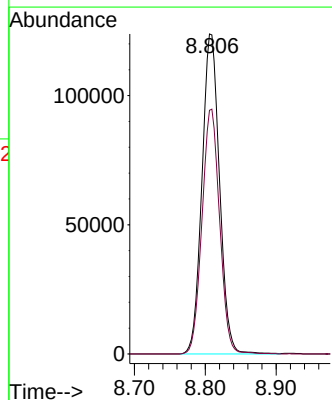
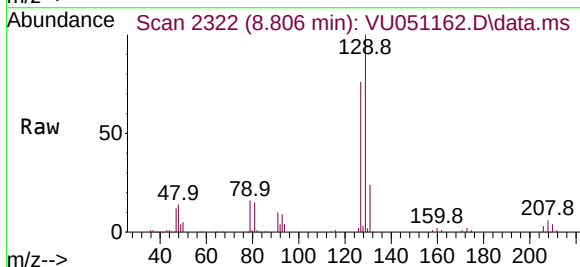
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

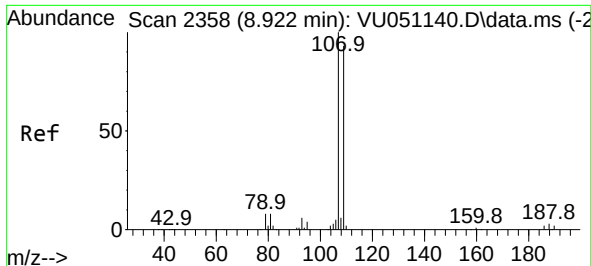
Tgt Ion: 43 Resp: 541073
Ion Ratio Lower Upper
43 100
58 62.6 48.3 72.5
57 20.5 15.9 23.9
100 11.7 10.0 15.0



#49
Dibromochloromethane
Concen: 46.997 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion: 129 Resp: 213055
Ion Ratio Lower Upper
129 100
127 76.1 52.8 98.0





#50

1,2-Dibromoethane

Concen: 48.772 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

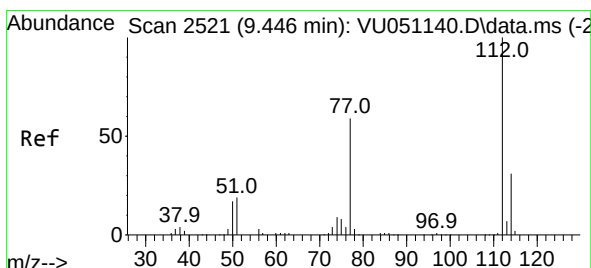
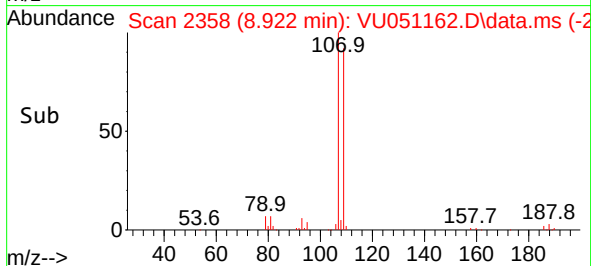
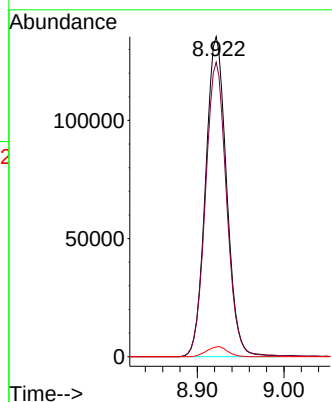
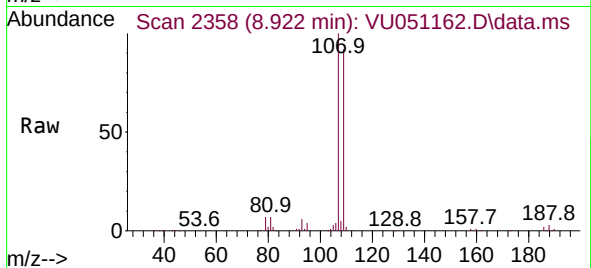
Tgt Ion:107 Resp: 228011

Ion Ratio Lower Upper

107 100

109 92.0 64.1 119.1

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 48.703 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

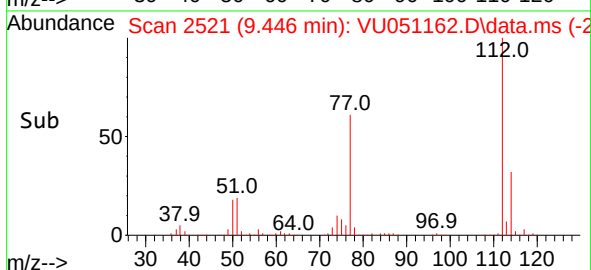
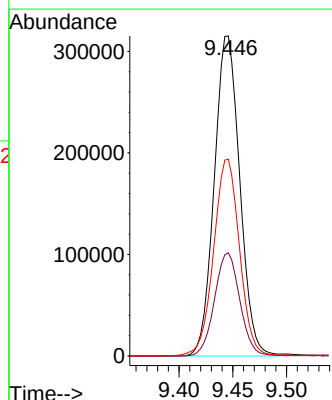
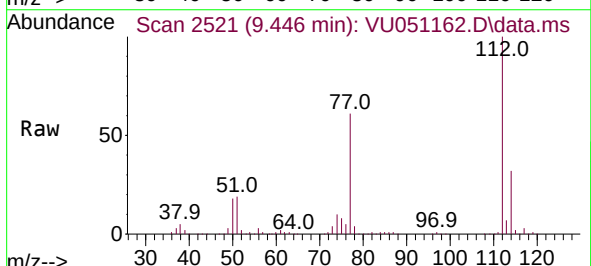
Tgt Ion:112 Resp: 520764

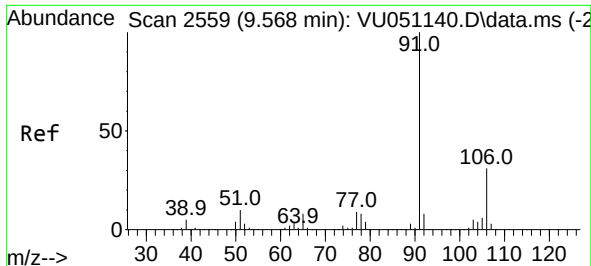
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

77 61.5 48.2 72.2

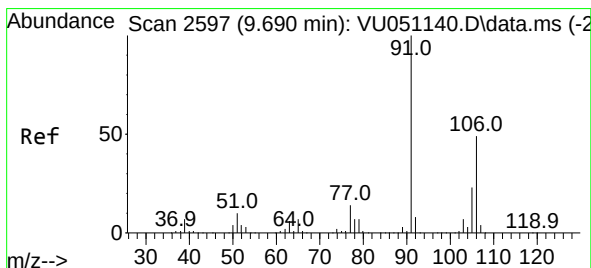
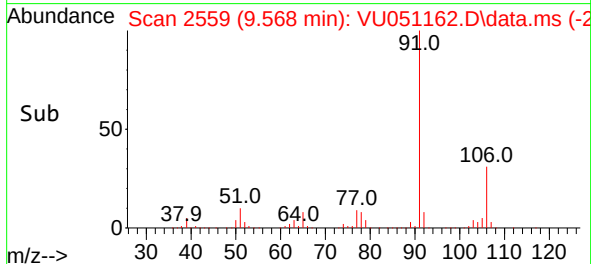
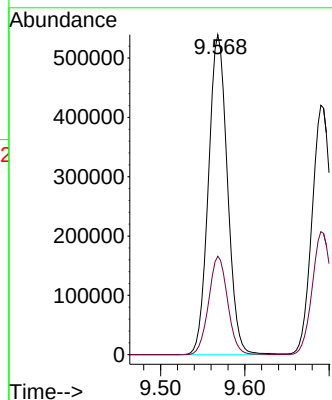
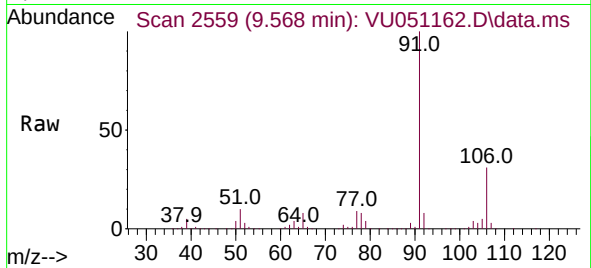




#52
Ethylbenzene
Concen: 50.479 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

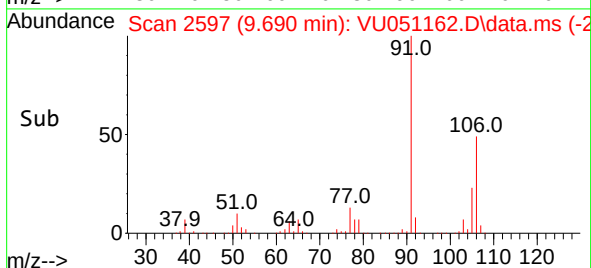
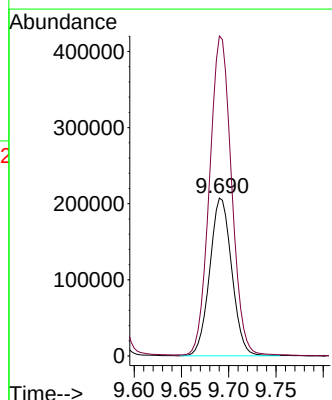
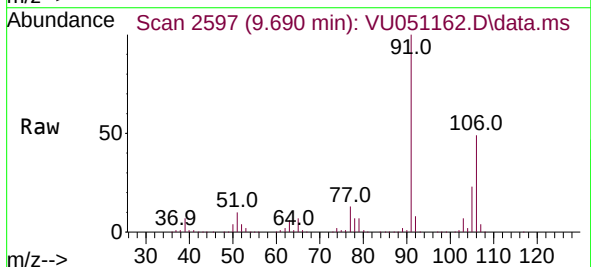
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

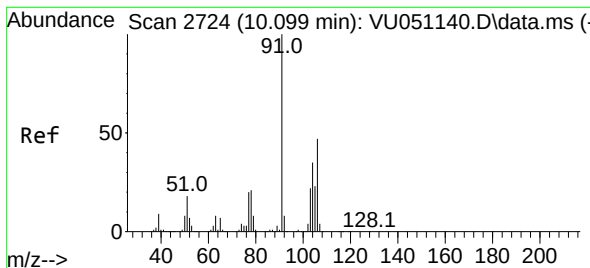
Tgt Ion: 91 Resp: 846619
Ion Ratio Lower Upper
91 100
106 30.7 21.7 40.3



#53
m,p-Xylene
Concen: 53.109 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion: 106 Resp: 334955
Ion Ratio Lower Upper
106 100
91 202.6 141.9 263.5





#54

o-Xylene

Concen: 53.004 ug/L

RT: 10.098 min Scan# 2724

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

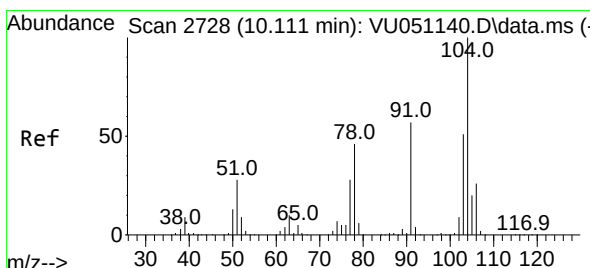
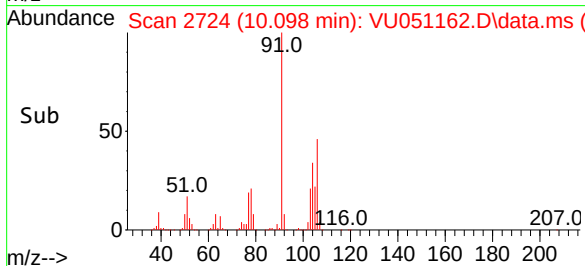
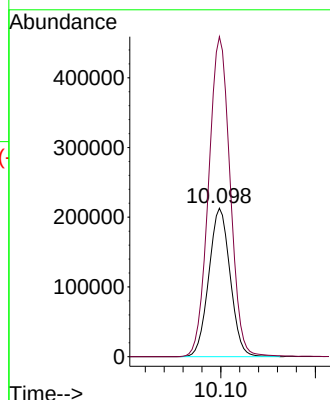
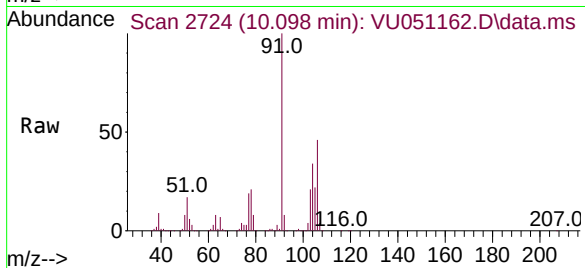
VSTD050109

Tgt Ion:106 Resp: 334131

Ion Ratio Lower Upper

106 100

91 215.6 152.4 283.0



#55

Styrene

Concen: 53.089 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU051162.D

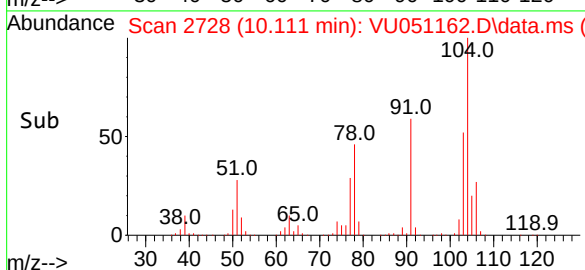
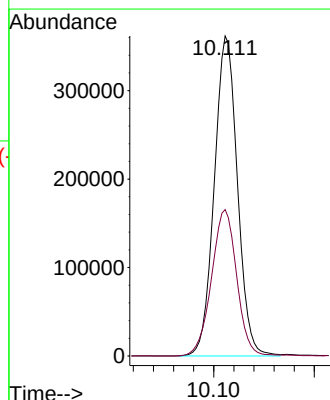
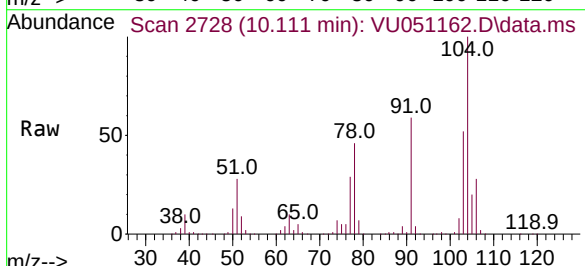
Acq: 06 Oct 2022 05:48

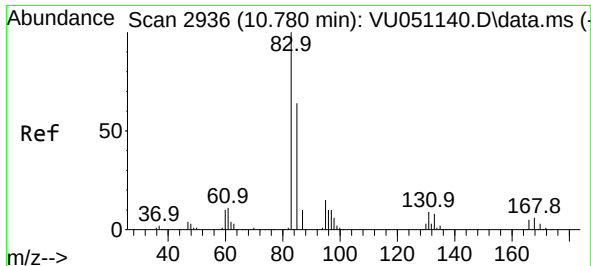
Tgt Ion:104 Resp: 578430

Ion Ratio Lower Upper

104 100

78 45.8 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 52.048 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

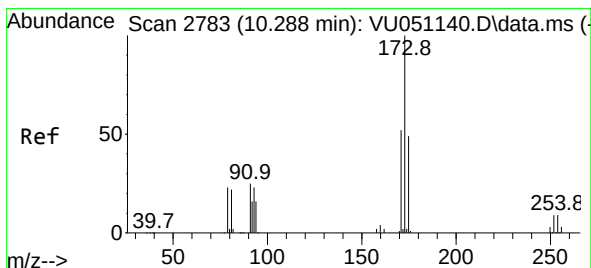
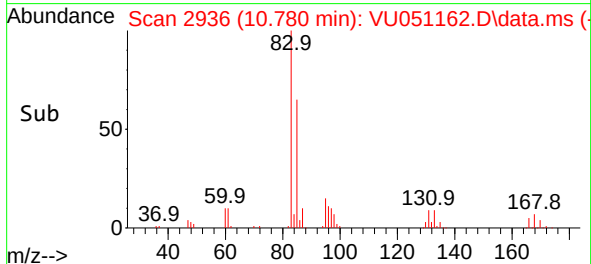
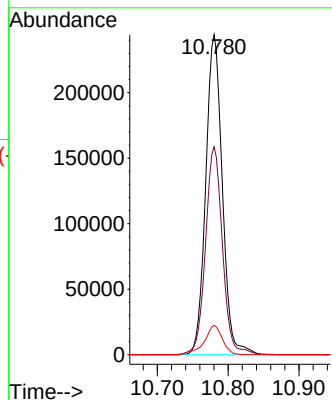
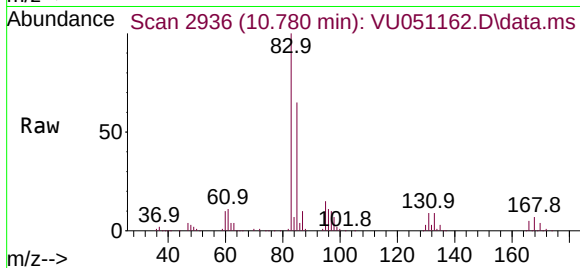
Tgt Ion: 83 Resp: 397189

Ion Ratio Lower Upper

83 100

85 64.9 44.7 83.1

131 9.2 7.0 10.4



#59

Bromoform

Concen: 47.568 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051162.D

Acq: 06 Oct 2022 05:48

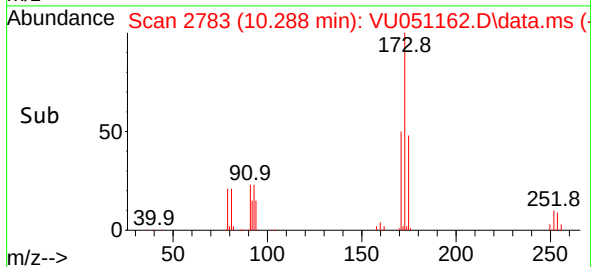
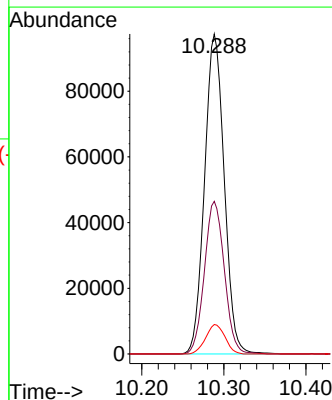
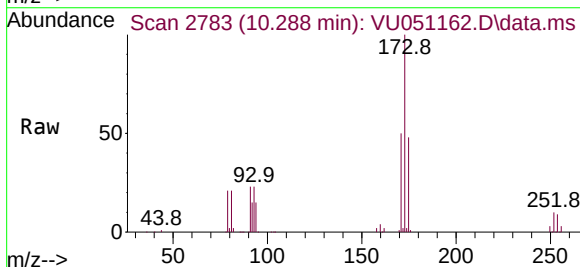
Tgt Ion:173 Resp: 162560

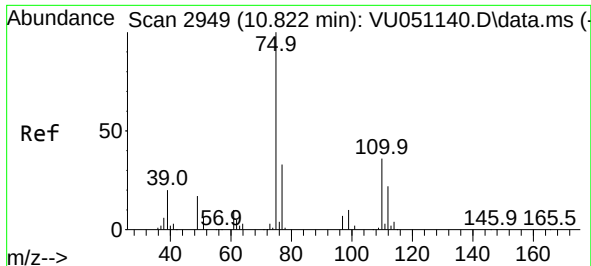
Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.0

254 9.1 7.4 11.0

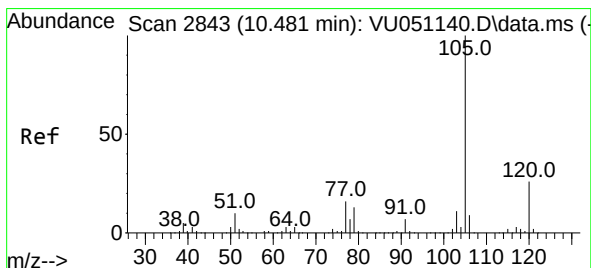
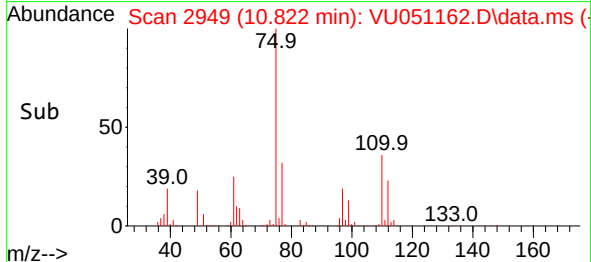
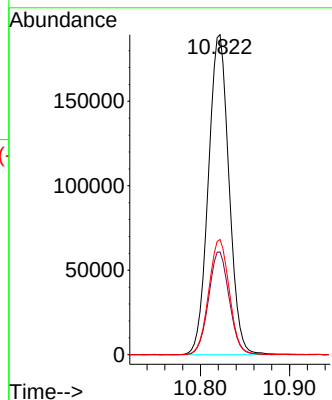
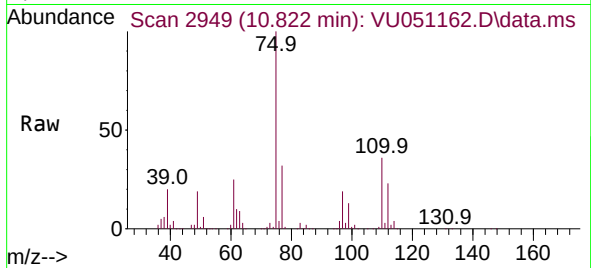




#60
1,2,3-Trichloropropane
Concen: 49.823 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

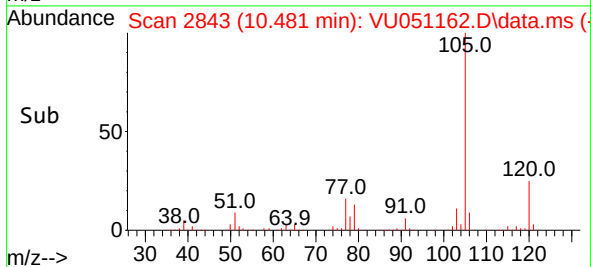
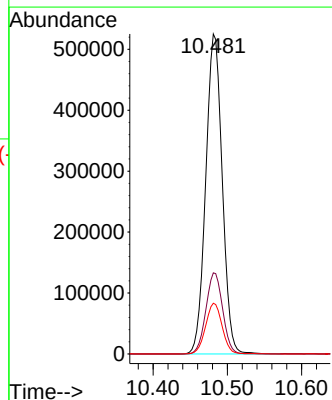
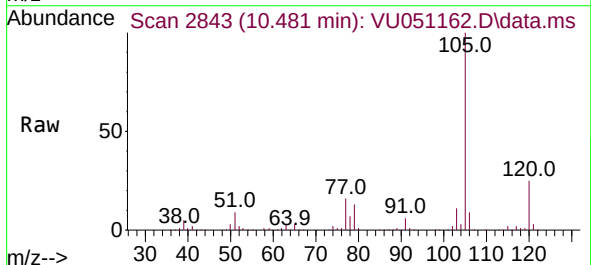
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

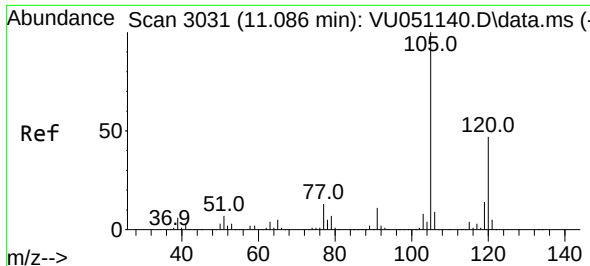
Tgt Ion: 75 Resp: 304524
Ion Ratio Lower Upper
75 100
77 32.0 26.1 39.1
110 36.0 30.0 45.0



#61
Isopropylbenzene
Concen: 53.604 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion: 105 Resp: 808773
Ion Ratio Lower Upper
105 100
120 25.7 21.1 31.7
77 15.9 12.8 19.2

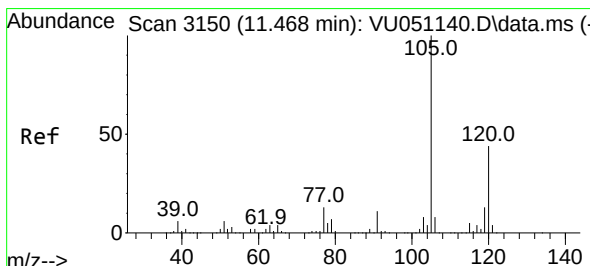
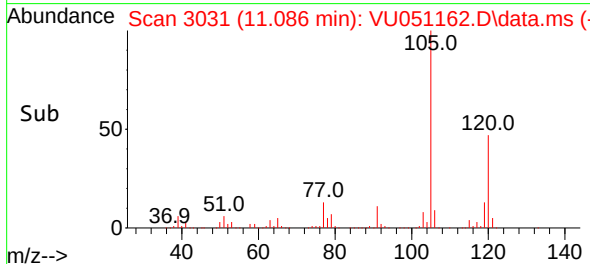
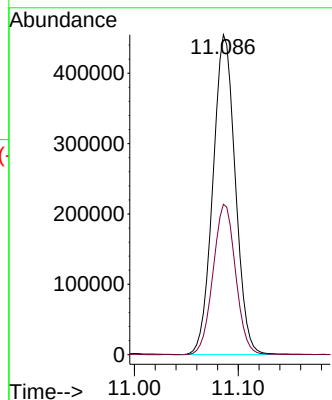
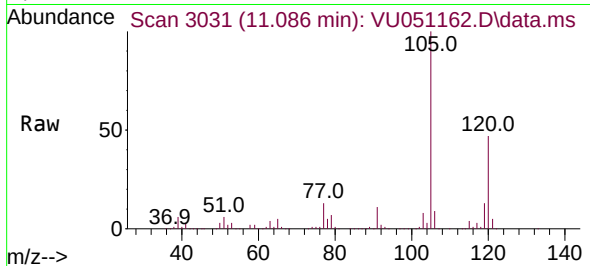




#62
 1,3,5-Trimethylbenzene
 Concen: 55.195 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051162.D
 Acq: 06 Oct 2022 05:48

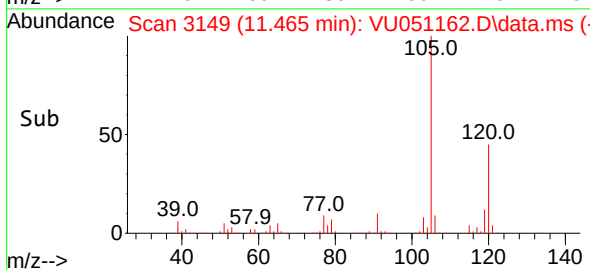
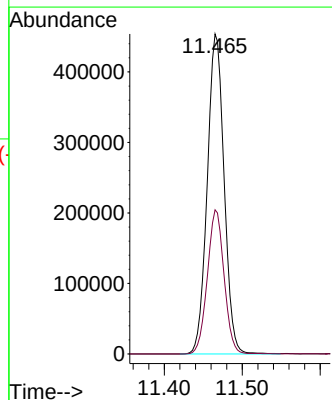
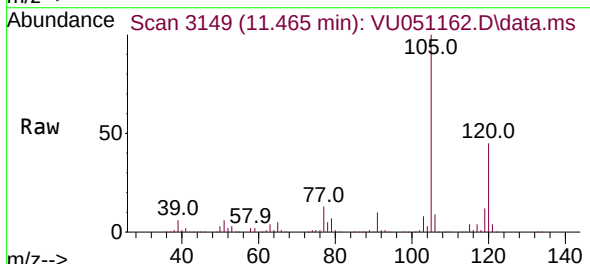
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

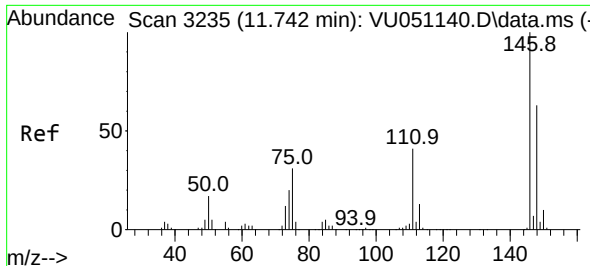
Tgt Ion:105 Resp: 680977
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 55.252 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051162.D
 Acq: 06 Oct 2022 05:48

Tgt Ion:105 Resp: 683213
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.5 53.3

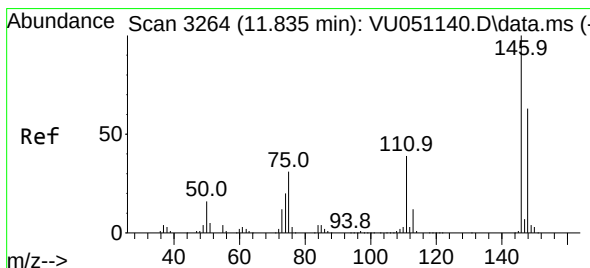
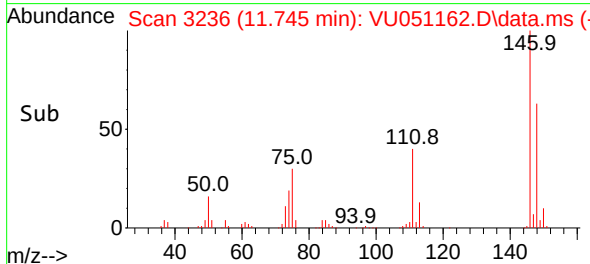
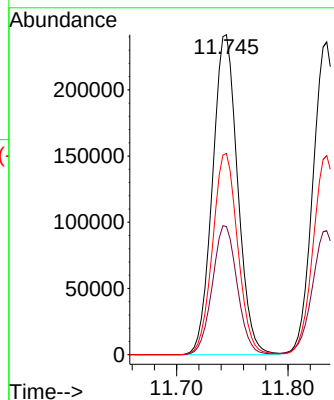
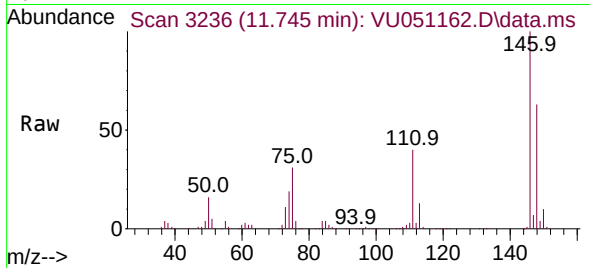




#64
1,3-Dichlorobenzene
Concen: 48.765 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

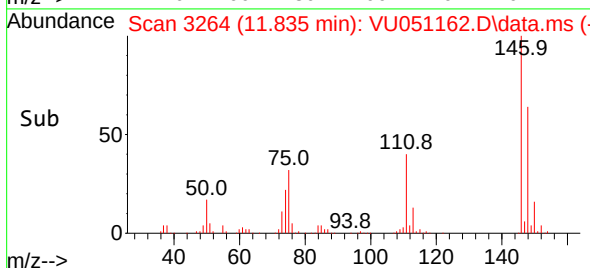
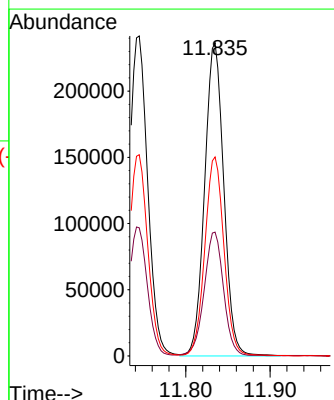
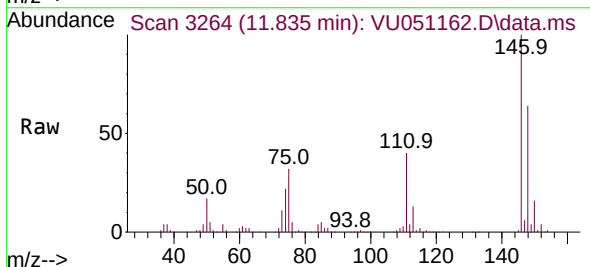
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

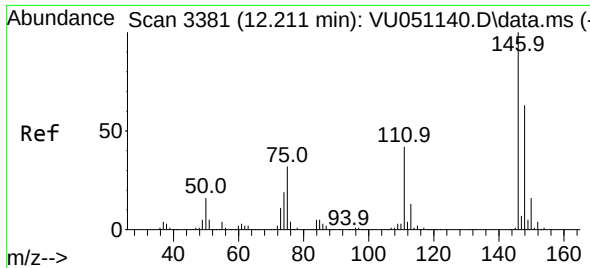
Tgt Ion:146 Resp: 379303
Ion Ratio Lower Upper
146 100
111 40.0 28.2 52.4
148 62.9 43.5 80.9



#65
1,4-Dichlorobenzene
Concen: 48.152 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion:146 Resp: 374396
Ion Ratio Lower Upper
146 100
111 39.6 27.0 50.2
148 63.6 45.1 83.9

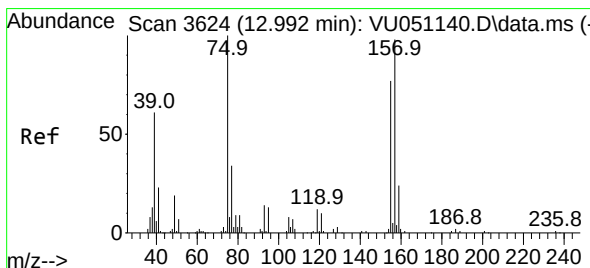
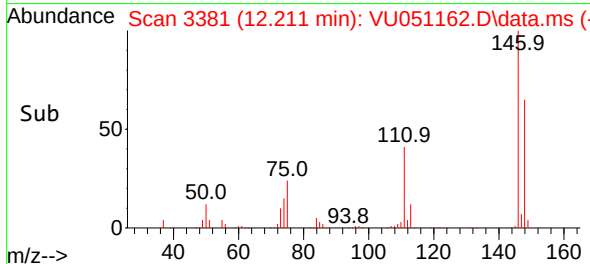
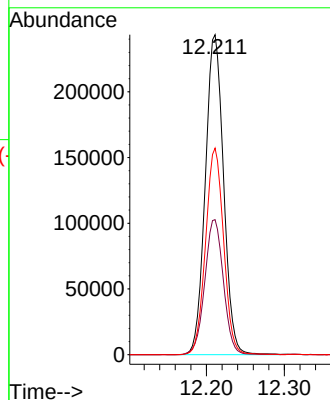
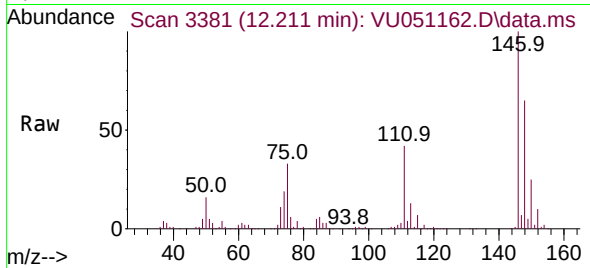




#67
1,2-Dichlorobenzene
Concen: 49.614 ug/L
RT: 12.211 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

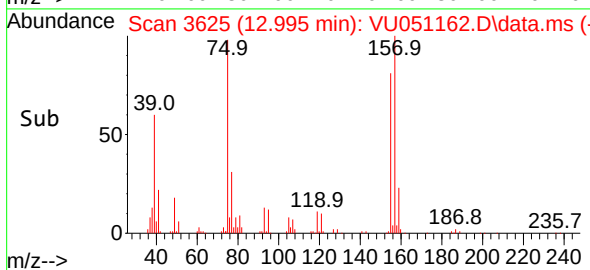
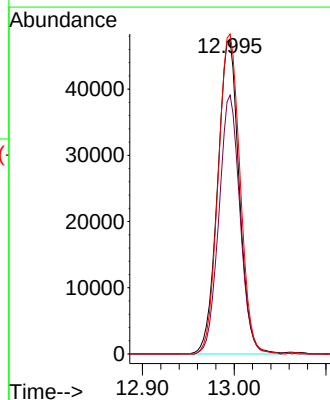
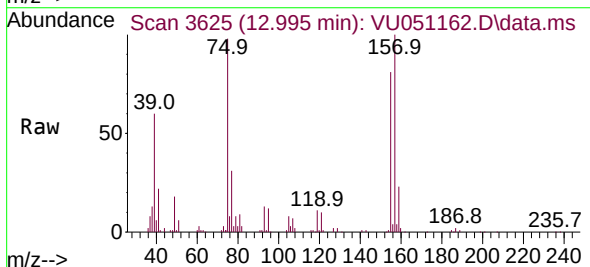
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

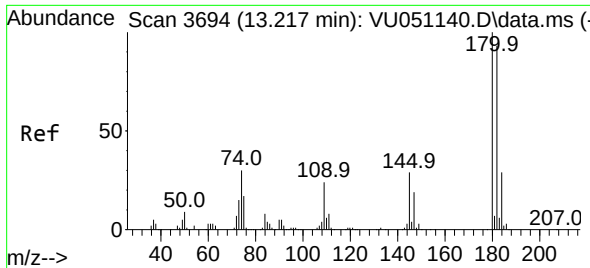
Tgt Ion:146 Resp: 396493
Ion Ratio Lower Upper
146 100
111 42.2 33.7 50.5
148 64.6 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 43.465 ug/L
RT: 12.995 min Scan# 3625
Delta R.T. 0.003 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion: 75 Resp: 77527
Ion Ratio Lower Upper
75 100
155 82.4 64.4 96.6
157 101.9 82.2 123.2

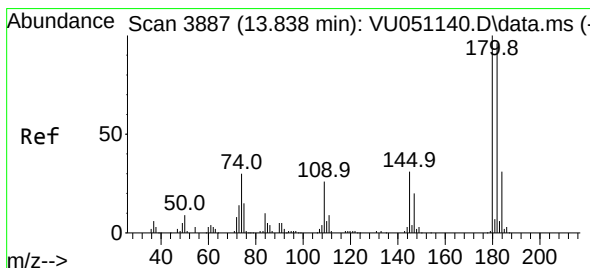
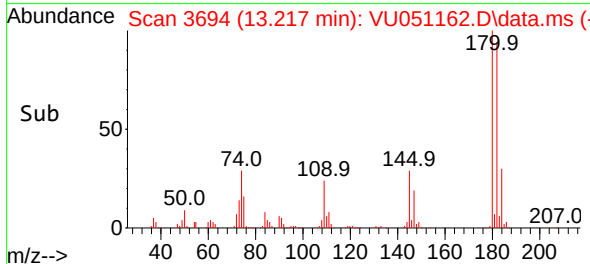
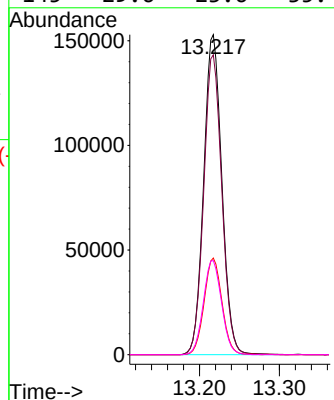
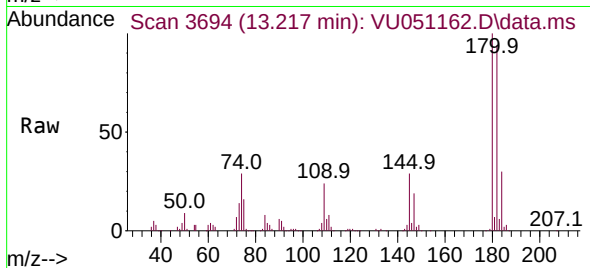




#69
 1,3,5-Trichlorobenzene
 Concen: 45.785 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051162.D
 Acq: 06 Oct 2022 05:48

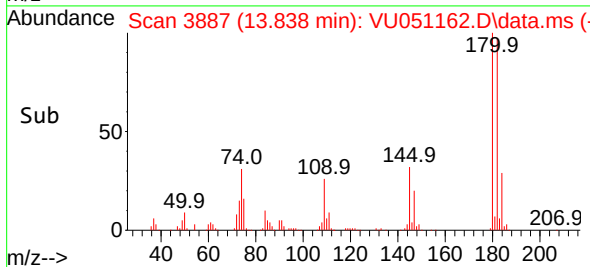
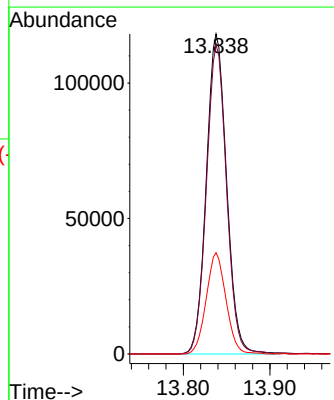
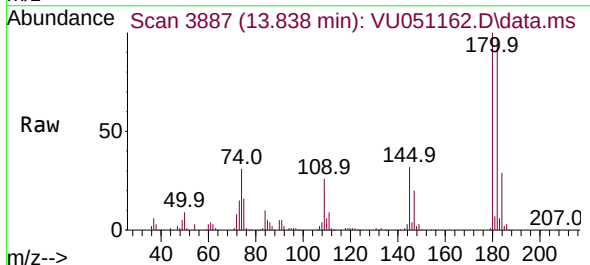
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

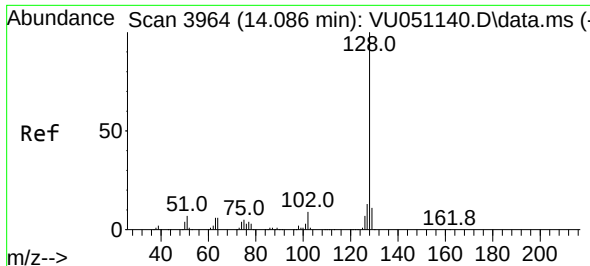
Tgt Ion:180	Resp:	241500
Ion Ratio	Lower	Upper
180	100	
182	93.7	77.0 115.4
184	29.7	24.4 36.6
145	29.6	23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 44.688 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051162.D
 Acq: 06 Oct 2022 05:48

Tgt Ion:180	Resp:	192858
Ion Ratio	Lower	Upper
180	100	
182	95.3	75.9 113.9
145	30.7	24.0 36.0

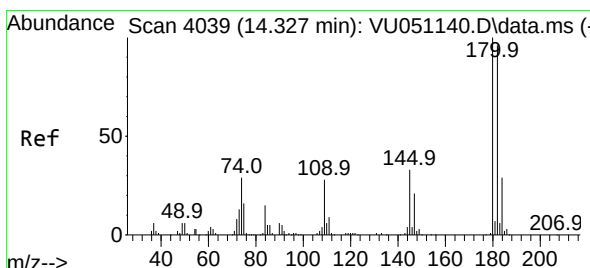
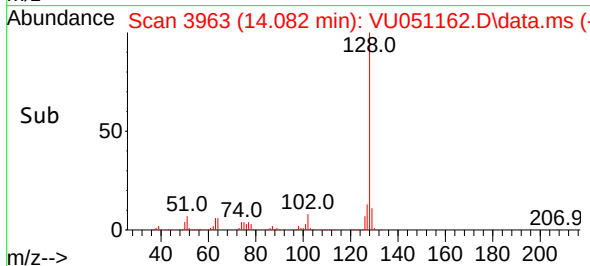
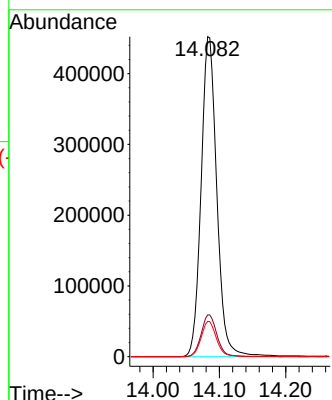
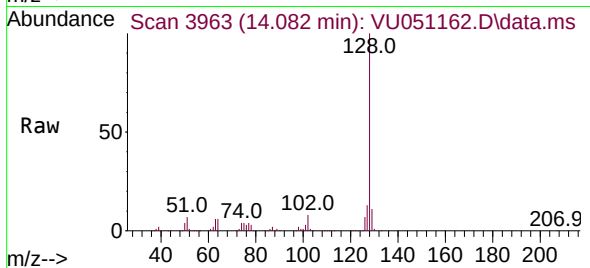




#71
Naphthalene
Concen: 48.099 ug/L
RT: 14.082 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

Tgt Ion:128 Resp: 742950
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 45.788 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051162.D
Acq: 06 Oct 2022 05:48

Tgt Ion:180 Resp: 220502
Ion Ratio Lower Upper
180 100
182 94.8 76.0 114.0
145 32.9 26.1 39.1

