

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093022\
 Data File : VU051052.D
 Acq On : 30 Sep 2022 22:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

Quant Time: Oct 01 01:30:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 01 01:23:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	485745	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	473919	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	226393	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	208451	42.344	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.680%
7) Chloroethane-d5	1.909	69	191888	41.962	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.920%
11) 1,1-Dichloroethene-d2	2.565	63	327445	45.030	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.060%
21) 2-Butanone-d5	4.629	46	343915	107.714	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.710%
24) Chloroform-d	5.060	84	363236	45.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.700	65	230396	46.932	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.860%
32) Benzene-d6	5.726	84	733235	52.834	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.660%
36) 1,2-Dichloropropane-d6	6.687	67	244134	54.212	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.420%
41) Toluene-d8	7.896	98	666847	52.007	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.020%
43) trans-1,3-Dichloroprop...	8.176	79	98276	45.753	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.500%
47) 2-Hexanone-d5	8.636	63	201647	110.894	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.890%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	376314	47.814	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.620%
66) 1,2-Dichlorobenzene-d4	12.192	152	236286	48.856	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	176462	43.323	ug/L	99
3) Chloromethane	1.520	50	229018	47.588	ug/L	99
5) Vinyl chloride	1.604	62	227509	44.545	ug/L	99
6) Bromomethane	1.858	94	134366	31.760	ug/L	100
8) Chloroethane	1.929	64	165753	44.196	ug/L	97
9) Trichlorofluoromethane	2.131	101	264931	38.577	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	152642	41.163	ug/L	99
12) 1,1-Dichloroethene	2.578	96	156109	45.067	ug/L	92
13) Acetone	2.639	43	232941	91.364	ug/L	96
14) Carbon disulfide	2.790	76	463611	45.277	ug/L	100
15) Methyl Acetate	2.951	43	240090	51.579	ug/L	96
16) Methylene chloride	3.041	84	220126	44.267	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	168966	45.850	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	569991	50.896	ug/L	99
19) 1,1-Dichloroethane	3.864	63	335747	47.963	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	199258	48.426	ug/L	97
22) 2-Butanone	4.707	43	359978	102.190	ug/L	98
23) Bromochloromethane	4.973	128	101723	45.120	ug/L	93
25) Chloroform	5.086	83	354992	46.622	ug/L	99

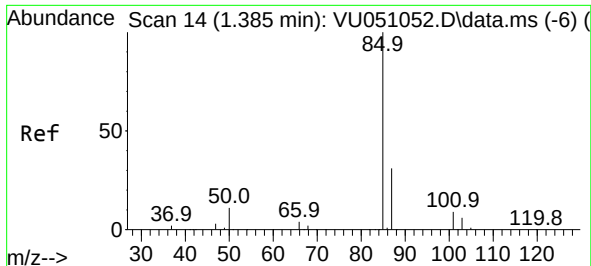
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093022\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	275201	47.183	ug/L	100
29) Cyclohexane	5.385	56	254476	55.146	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	278339	50.079	ug/L	99
31) Carbon tetrachloride	5.523	117	218469	48.176	ug/L	98
33) Benzene	5.771	78	786664	54.447	ug/L	100
34) Trichloroethene	6.539	95	192263	51.376	ug/L	96
35) Methylcyclohexane	6.761	83	250921	49.264	ug/L	97
37) 1,2-Dichloropropane	6.790	63	210041	53.984	ug/L	100
38) Bromodichloromethane	7.105	83	263238	50.697	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	267164	48.485	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	670957	119.077	ug/L	98
42) Toluene	7.967	91	830460	54.038	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	258388	46.378	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	208257	49.415	ug/L	99
46) Tetrachloroethene	8.552	164	122422	43.167	ug/L	96
48) 2-Hexanone	8.684	43	576895	112.721	ug/L	98
49) Dibromochloromethane	8.806	129	208074	46.959	ug/L	99
50) 1,2-Dibromoethane	8.922	107	224347	49.098	ug/L	97
51) Chlorobenzene	9.443	112	507392	48.549	ug/L	98
52) Ethylbenzene	9.568	91	836175	51.009	ug/L	98
53) m,p-Xylene	9.690	106	319304	51.798	ug/L	97
54) o-Xylene	10.099	106	321536	52.185	ug/L	99
55) Styrene	10.111	104	560547	52.637	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	371572	49.817	ug/L	99
59) Bromoform	10.288	173	156014	46.836	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	303200	50.892	ug/L	98
61) Isopropylbenzene	10.481	105	785860	53.435	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	664067	55.220	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	665624	55.225	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	356387	47.006	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	358916	47.358	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	377917	48.516	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	86824	49.939	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	233021	45.323	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	190350	45.251	ug/L	100
71) Naphthalene	14.082	128	781981	51.938	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	217395	46.313	ug/L	99

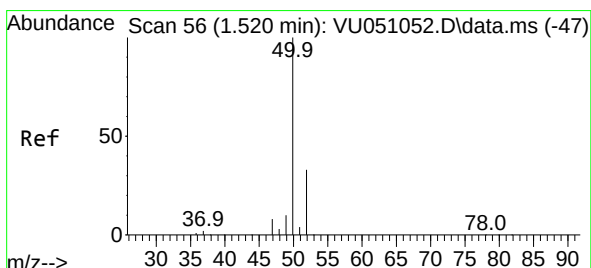
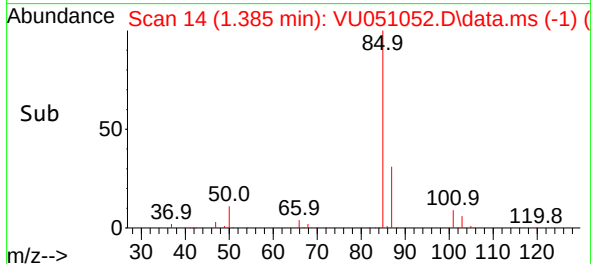
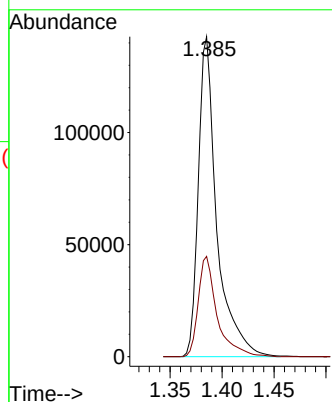
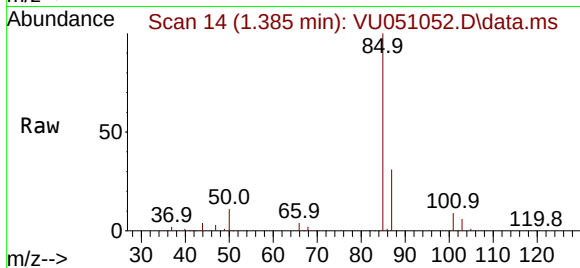
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 43.323 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

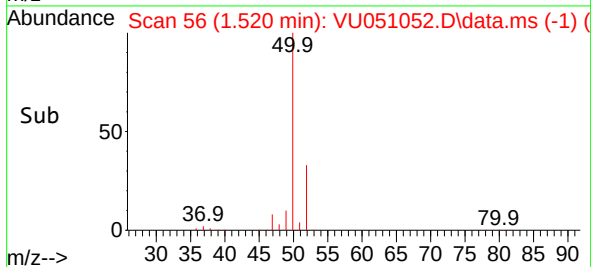
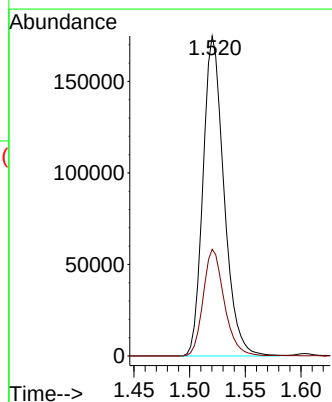
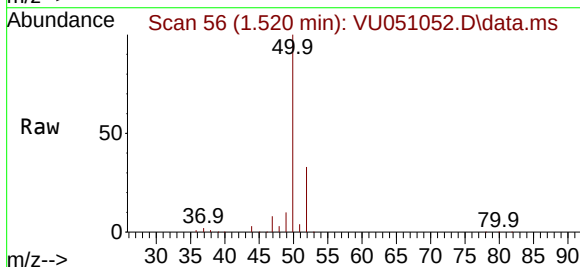
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

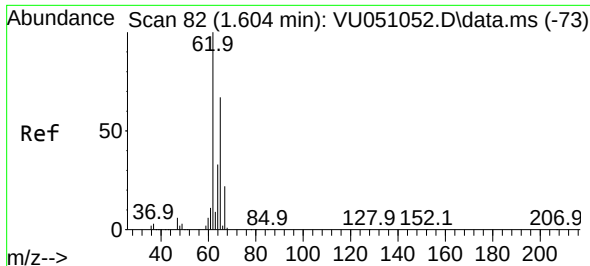
Tgt Ion: 85 Resp: 176462
Ion Ratio Lower Upper
85 100
87 32.1 25.9 38.9



#3
Chloromethane
Concen: 47.588 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 50 Resp: 229018
Ion Ratio Lower Upper
50 100
52 33.3 23.7 44.1

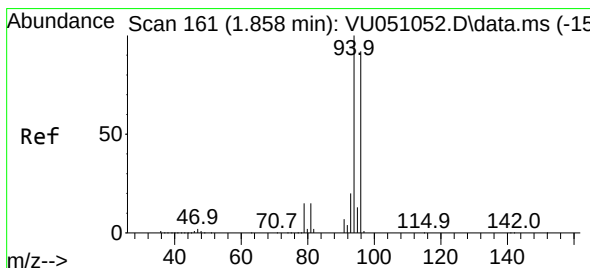
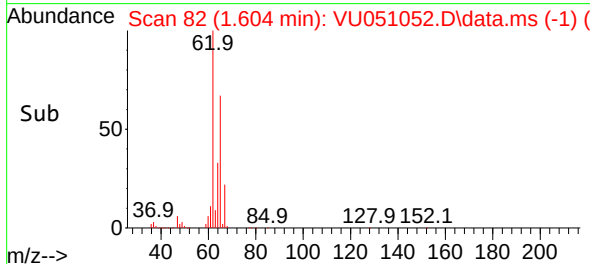
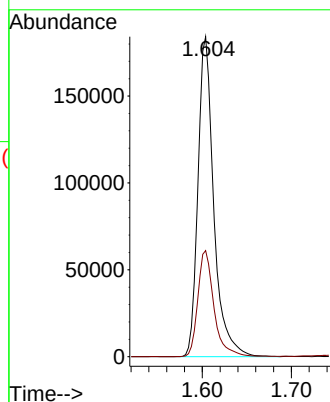
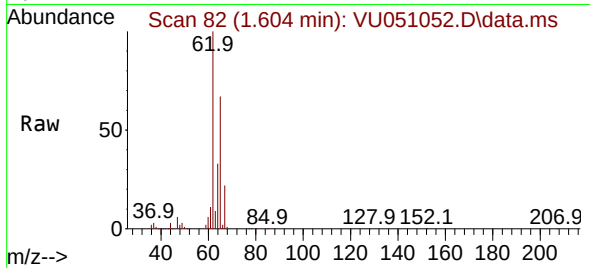




#5
 Vinyl chloride
 Concen: 44.545 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

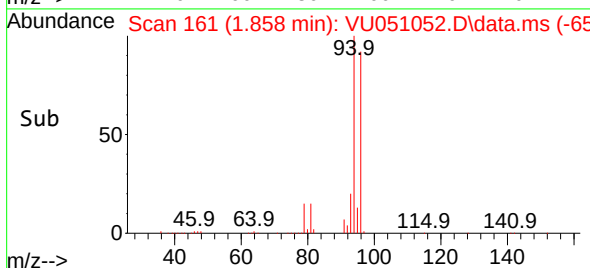
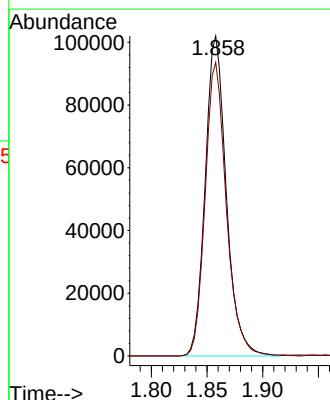
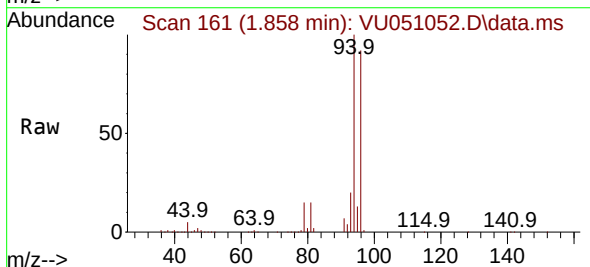
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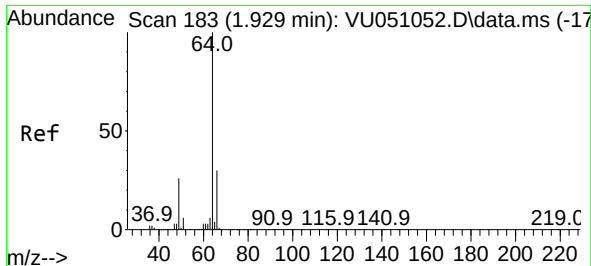
Tgt Ion: 62 Resp: 227509
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.5 43.7



#6
 Bromomethane
 Concen: 31.760 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.010 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

Tgt Ion: 94 Resp: 134366
 Ion Ratio Lower Upper
 94 100
 96 91.7 63.9 118.7

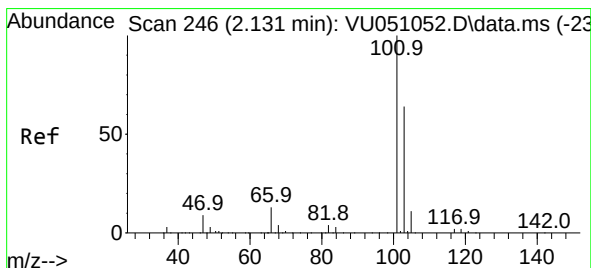
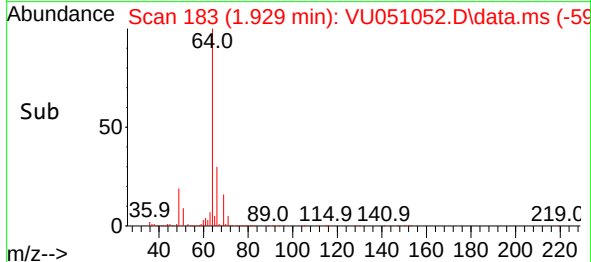
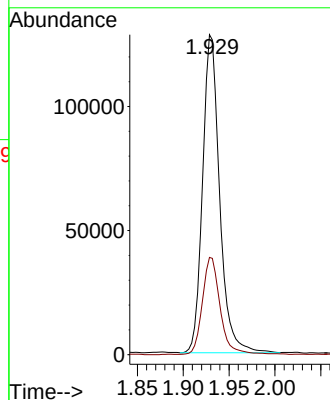
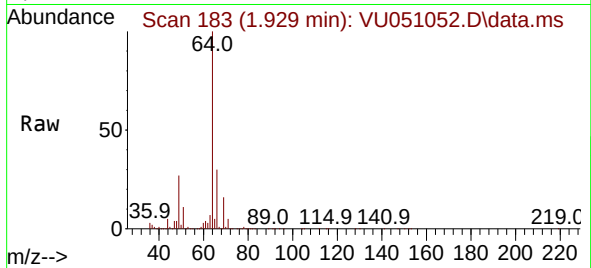




#8
Chloroethane
Concen: 44.196 ug/L
RT: 1.929 min Scan# 183
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

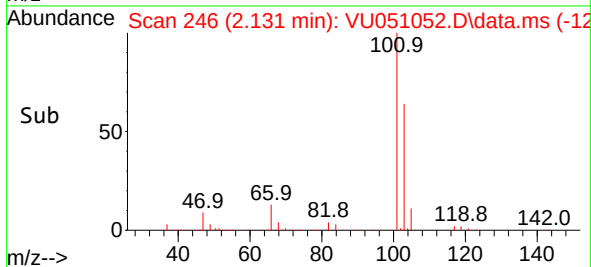
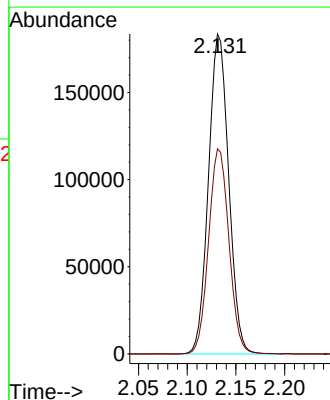
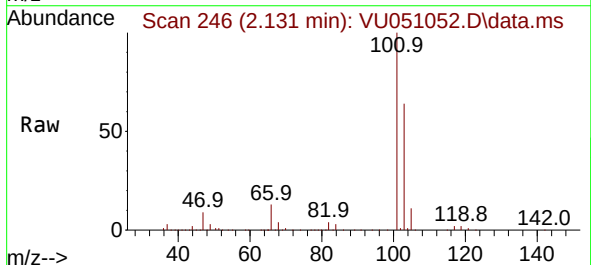
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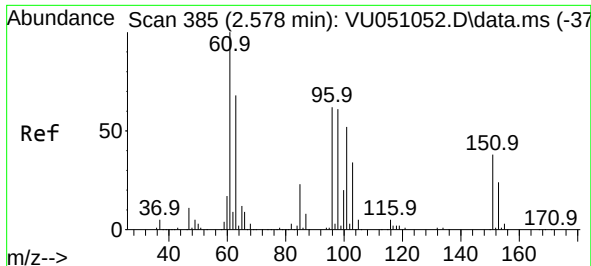
Tgt Ion: 64 Resp: 165753
Ion Ratio Lower Upper
64 100
66 30.4 22.3 41.3



#9
Trichlorofluoromethane
Concen: 38.577 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 101 Resp: 264931
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6

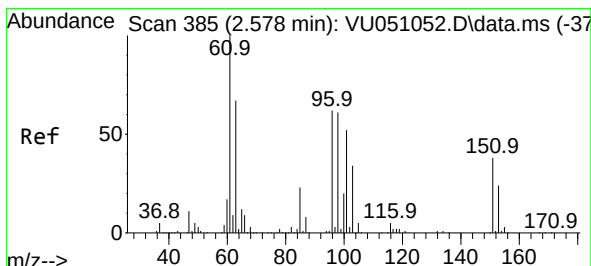
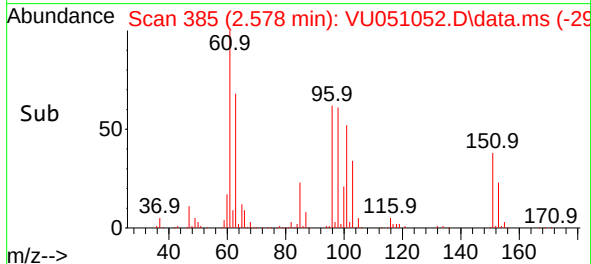
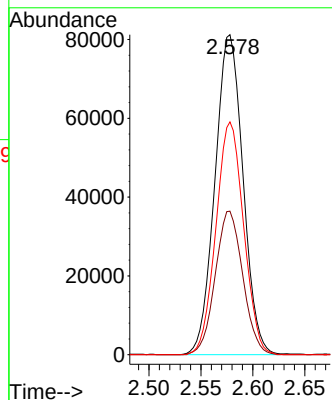
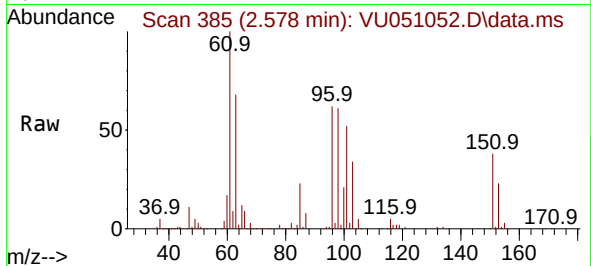




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.163 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

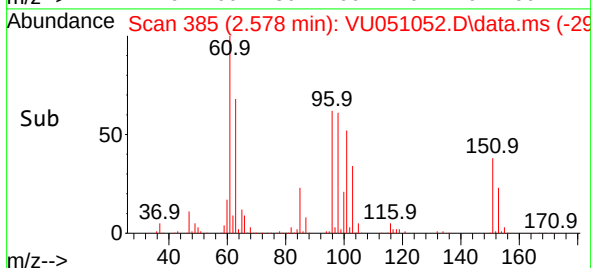
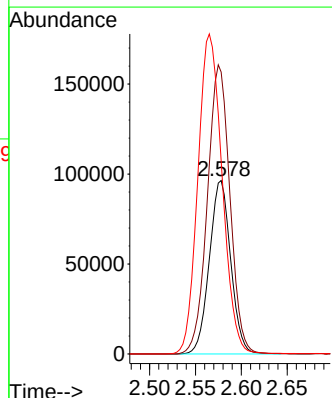
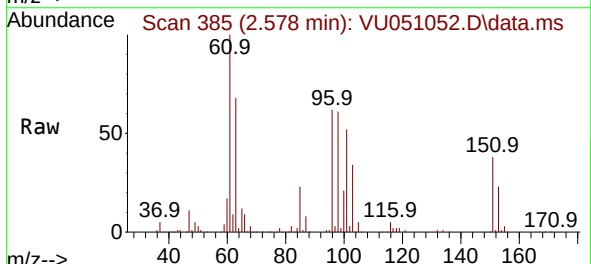
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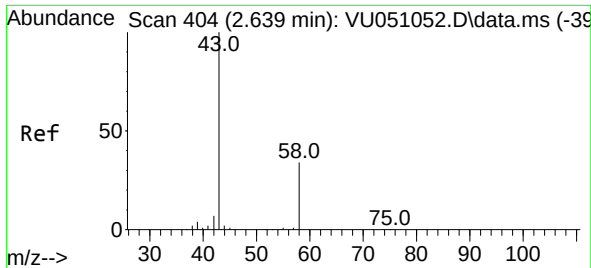
Tgt Ion:101 Resp: 152642
 Ion Ratio Lower Upper
 101 100
 85 44.0 34.6 52.0
 151 71.7 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 45.067 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

Tgt Ion: 96 Resp: 156109
 Ion Ratio Lower Upper
 96 100
 61 162.6 113.0 209.9
 63 111.2 91.7 170.3





#13

Acetone

Concen: 91.364 ug/L

RT: 2.639 min Scan# 404

Delta R.T. 0.013 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

Instrument :

MSVOA_U

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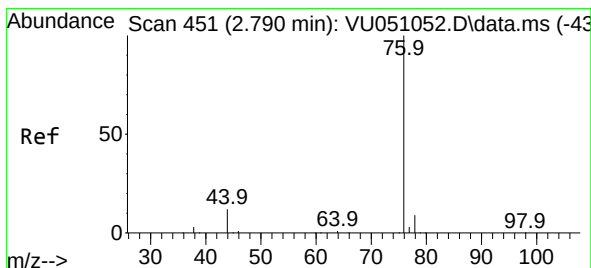
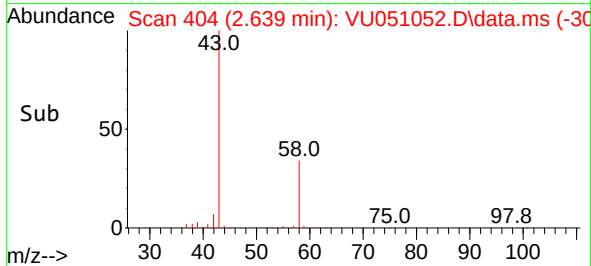
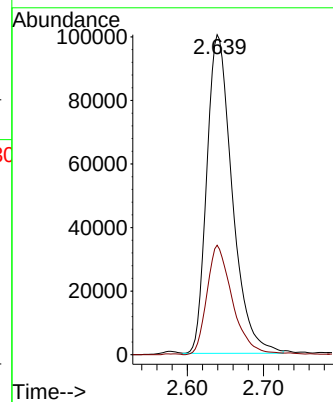
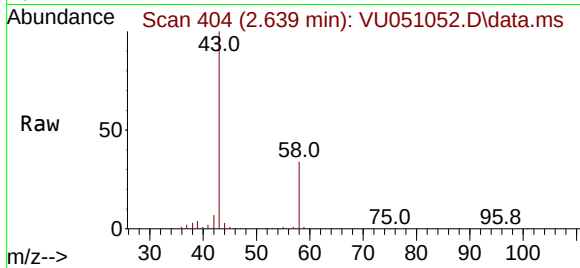
VSTD050103

Tgt Ion: 43 Resp: 232941

Ion Ratio Lower Upper

43 100

58 34.4 0.0 73.6



#14

Carbon disulfide

Concen: 45.277 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051052.D

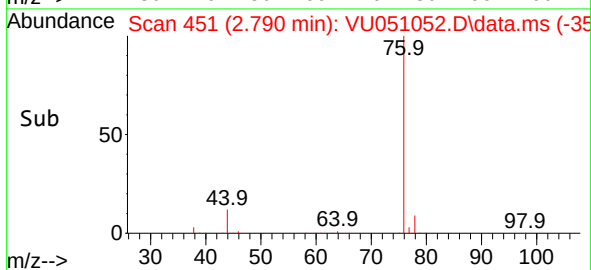
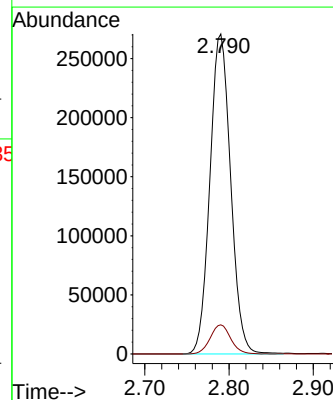
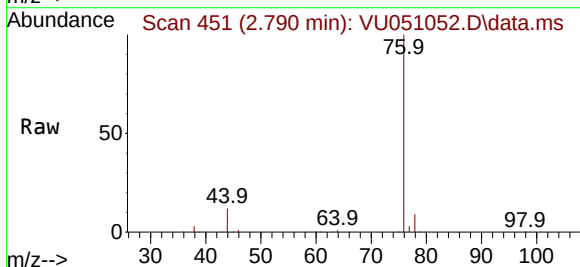
Acq: 30 Sep 2022 22:23

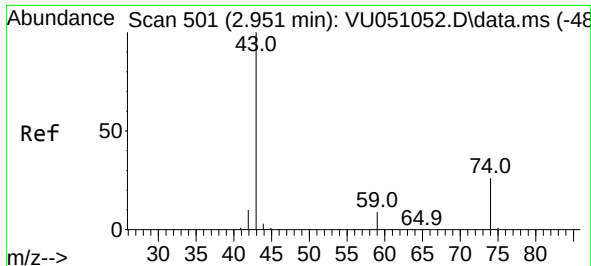
Tgt Ion: 76 Resp: 463611

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

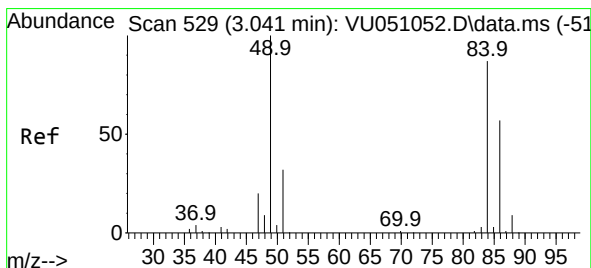
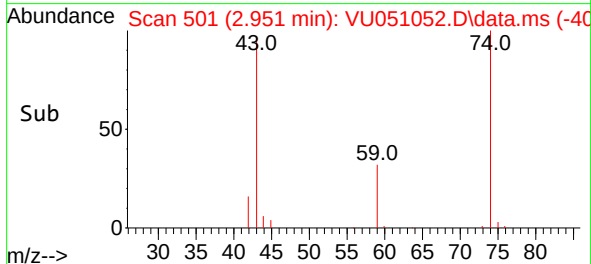
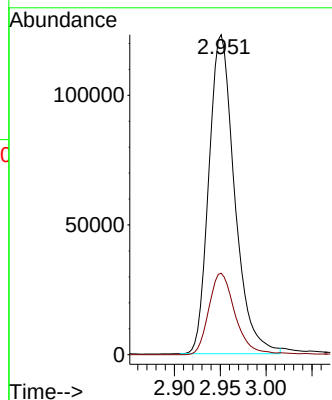
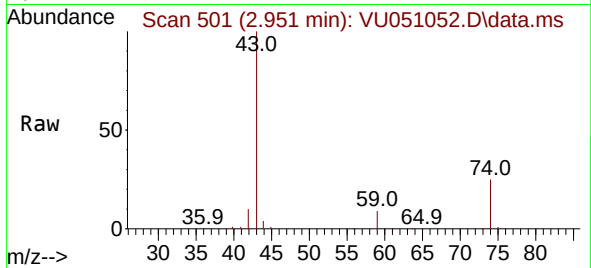




#15
Methyl Acetate
Concen: 51.579 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

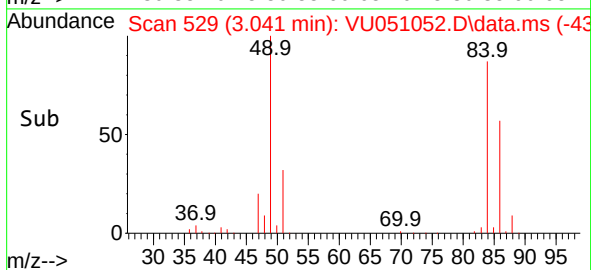
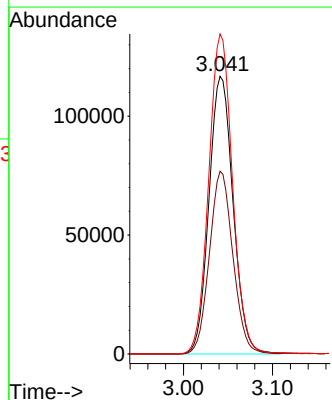
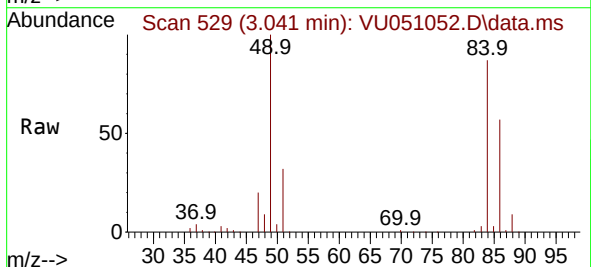
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

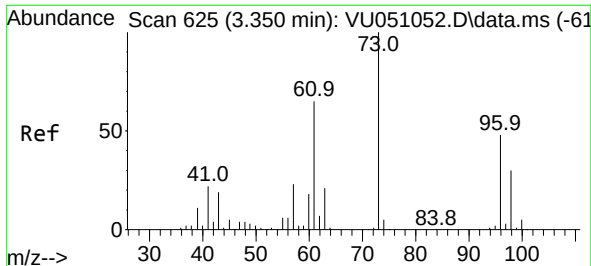
Tgt Ion: 43 Resp: 240090
Ion Ratio Lower Upper
43 100
74 26.0 22.4 33.6



#16
Methylene chloride
Concen: 44.267 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 84 Resp: 220126
Ion Ratio Lower Upper
84 100
86 65.8 45.4 84.4
49 115.3 78.3 145.3



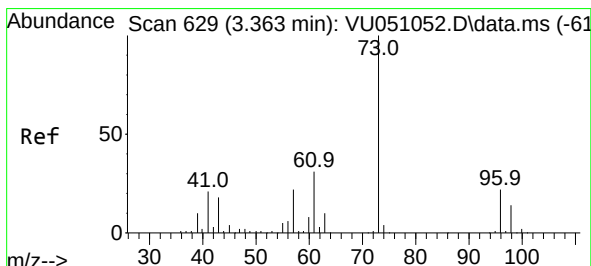
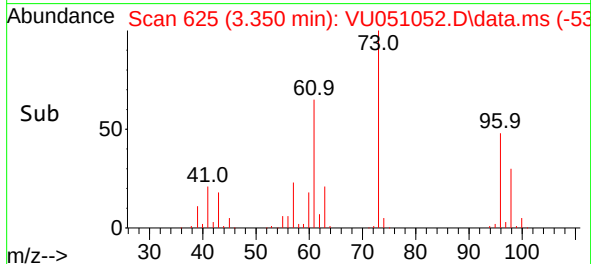
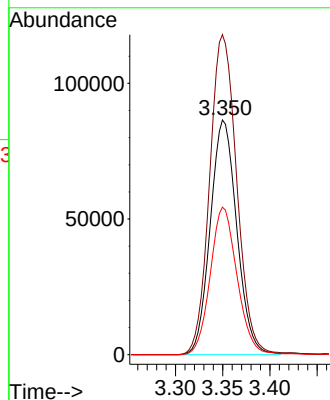
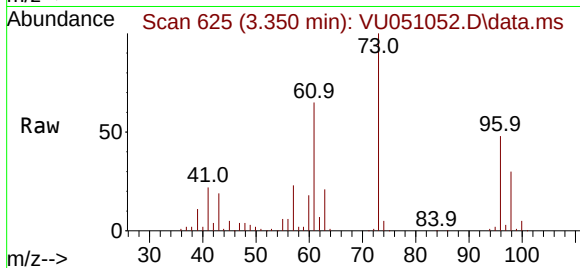


#17
 trans-1,2-Dichloroethene
 Concen: 45.850 ug/L
 RT: 3.350 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

Tgt Ion: 96 Resp: 168966

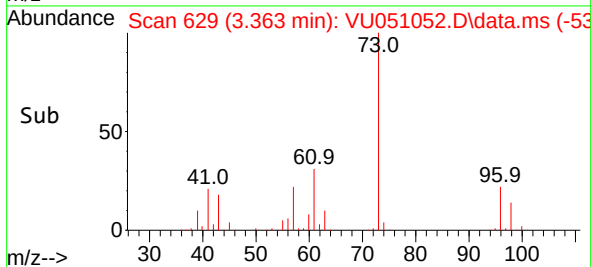
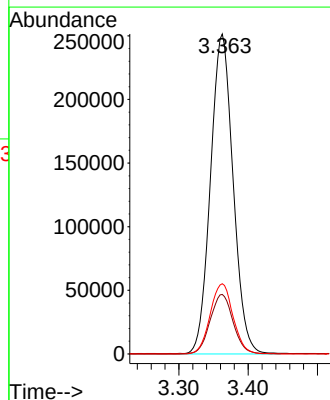
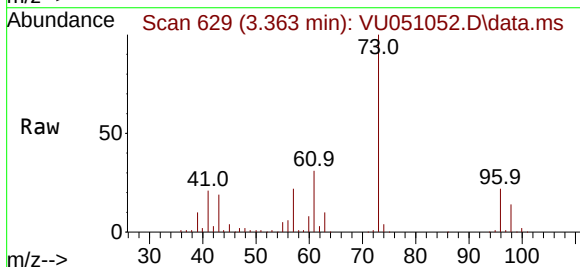
Ion	Ratio	Lower	Upper
96	100		
61	136.3	95.1	176.5
98	62.8	45.1	83.7

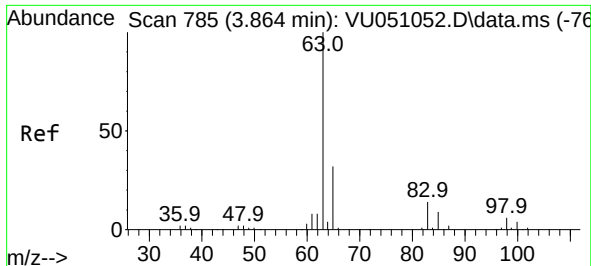


#18
 Methyl tert-butyl Ether
 Concen: 50.896 ug/L
 RT: 3.363 min Scan# 629
 Delta R.T. 0.003 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

Tgt Ion: 73 Resp: 569991

Ion	Ratio	Lower	Upper
73	100		
43	18.6	14.7	22.1
57	22.2	17.5	26.3





#19

1,1-Dichloroethane

Concen: 47.963 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

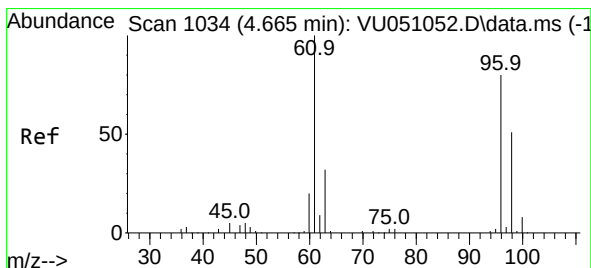
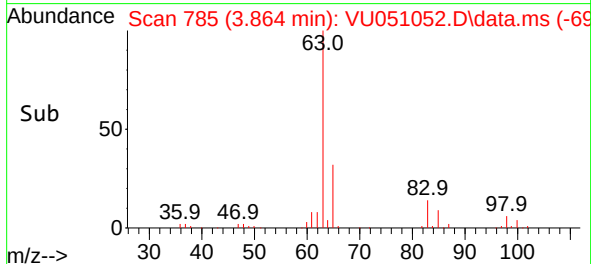
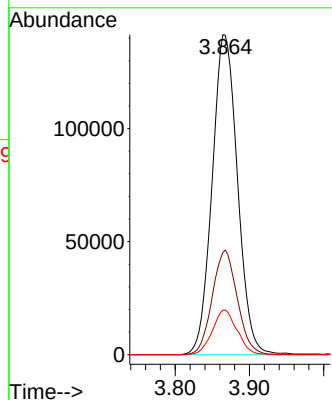
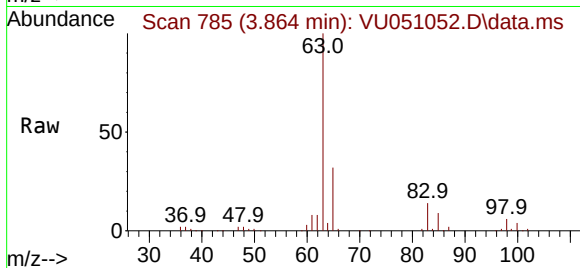
Tgt Ion: 63 Resp: 335747

Ion Ratio Lower Upper

63 100

65 32.0 22.6 42.0

83 13.9 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 48.426 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

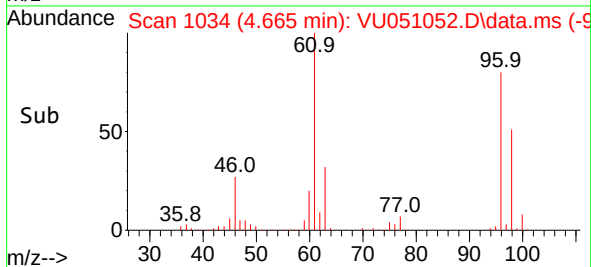
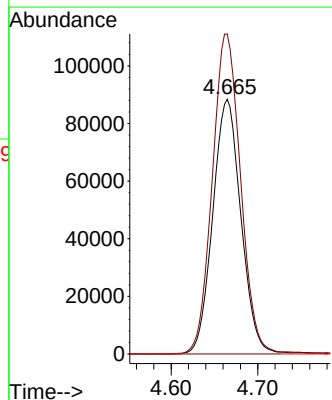
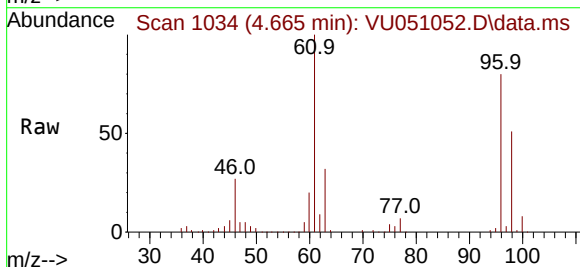
Tgt Ion: 96 Resp: 199258

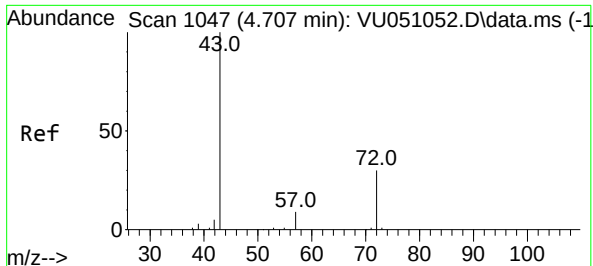
Ion Ratio Lower Upper

96 100

61 125.6 85.4 158.6

68 0.0 0.0 0.0

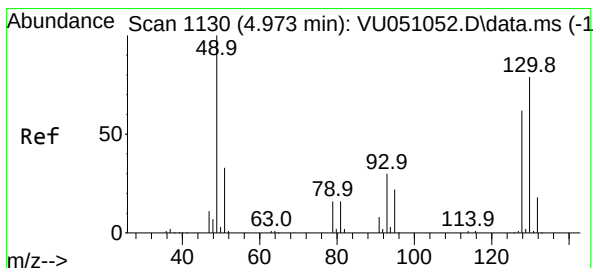
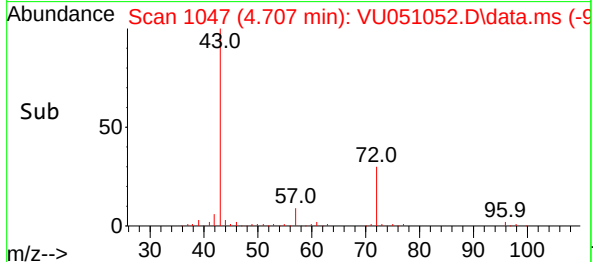
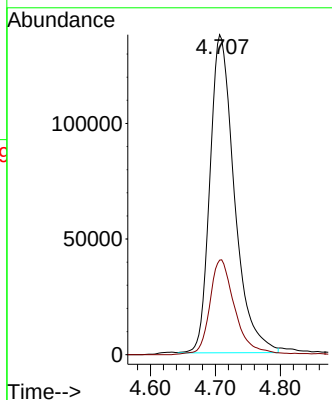
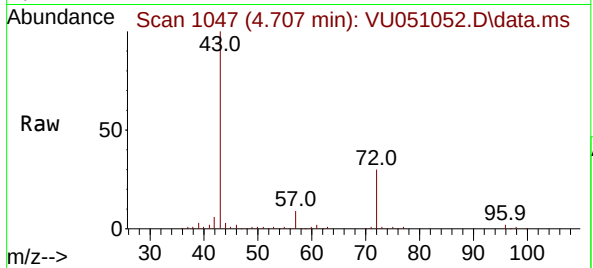




#22
2-Butanone
Concen: 102.190 ug/L
RT: 4.707 min Scan# 1047
Delta R.T. 0.010 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

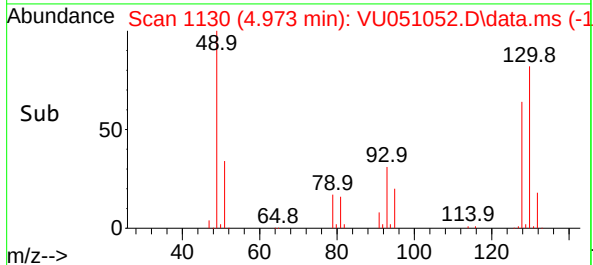
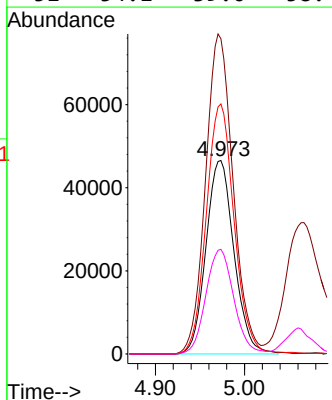
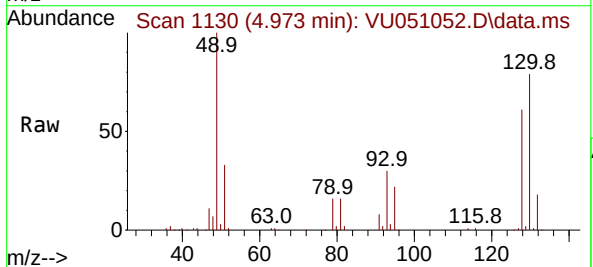
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

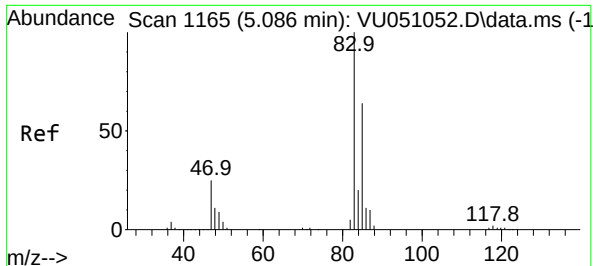
Tgt Ion: 43 Resp: 359978
Ion Ratio Lower Upper
43 100
72 30.8 15.8 47.4



#23
Bromochloromethane
Concen: 45.120 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 128 Resp: 101723
Ion Ratio Lower Upper
128 100
49 163.0 106.9 198.5
130 129.2 86.2 160.0
51 54.1 39.0 58.4





#25

Chloroform

Concen: 46.622 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

Instrument :

MSVOA_U

ClientSampleId :

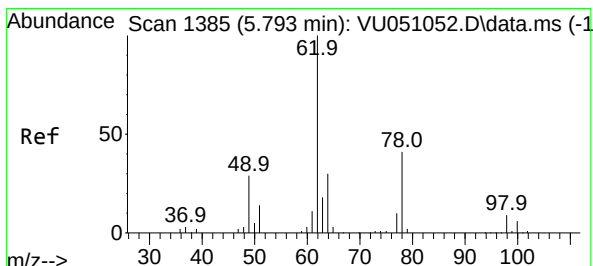
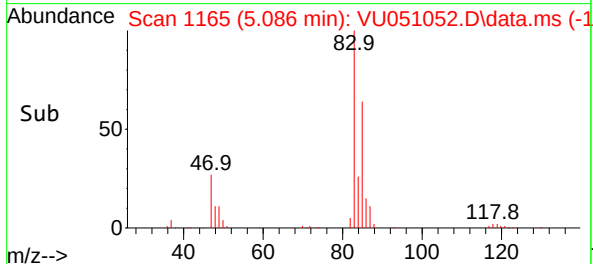
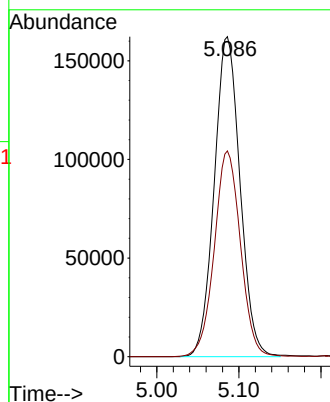
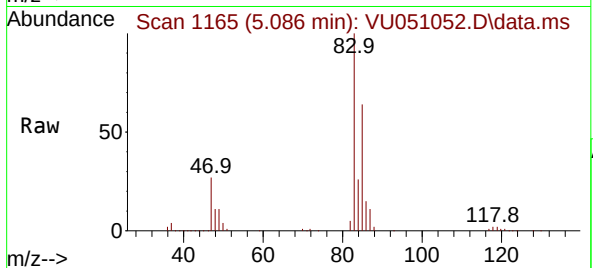
VSTD050103

Tgt Ion: 83 Resp: 354992

Ion Ratio Lower Upper

83 100

85 64.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 47.183 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051052.D

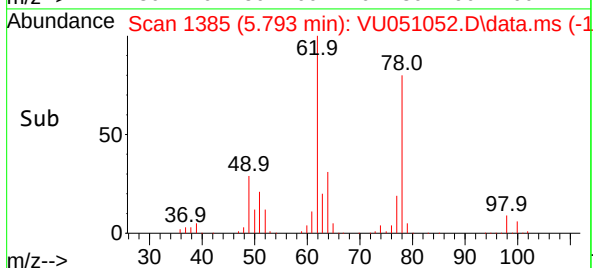
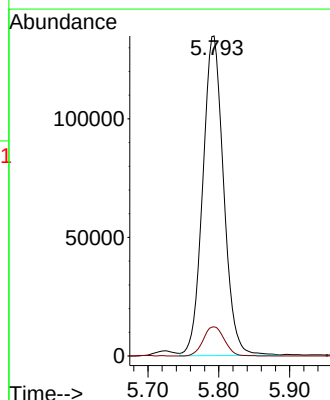
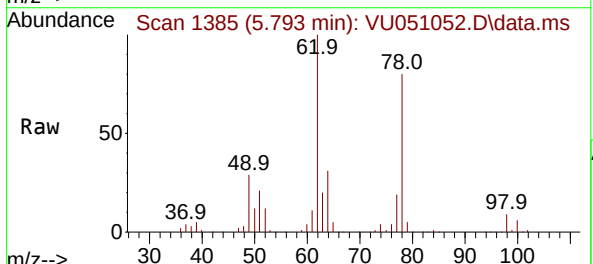
Acq: 30 Sep 2022 22:23

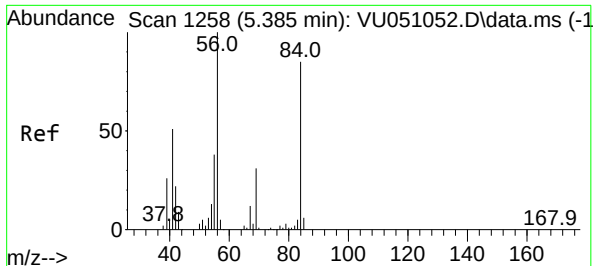
Tgt Ion: 62 Resp: 275201

Ion Ratio Lower Upper

62 100

98 9.1 7.3 10.9





#29

Cyclohexane

Concen: 55.146 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

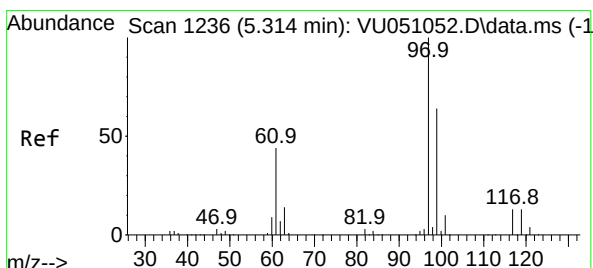
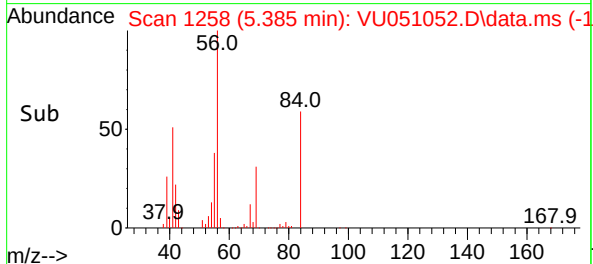
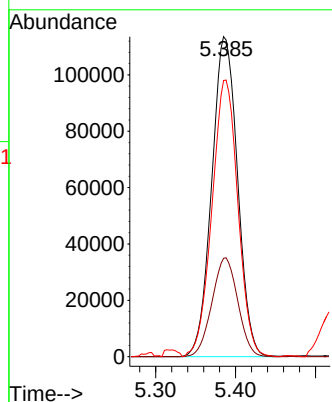
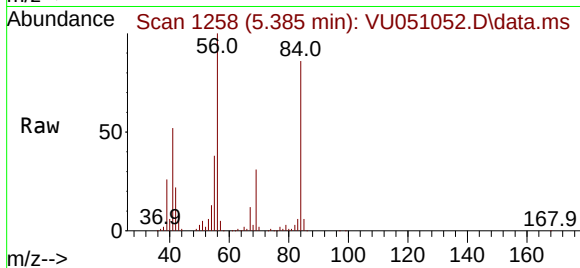
Tgt Ion: 56 Resp: 254476

Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 86.7 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 50.079 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

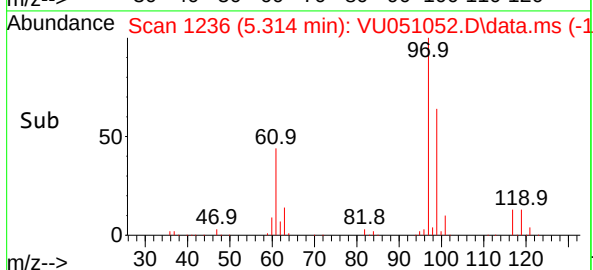
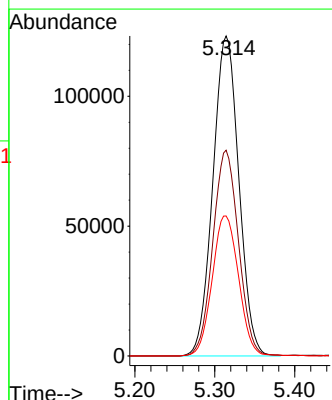
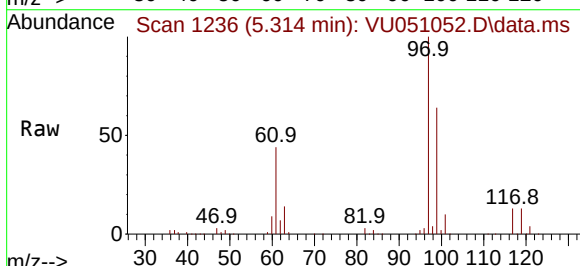
Tgt Ion: 97 Resp: 278339

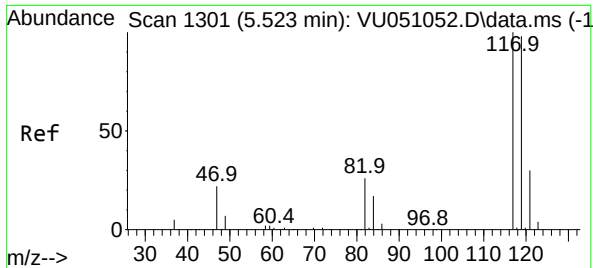
Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.2

61 44.4 36.0 54.0

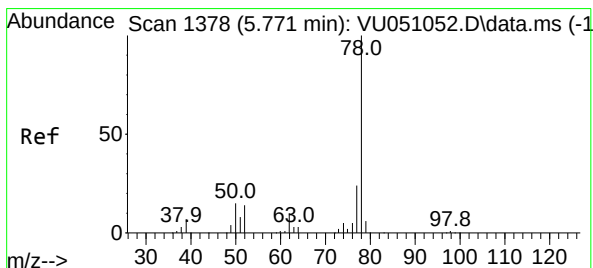
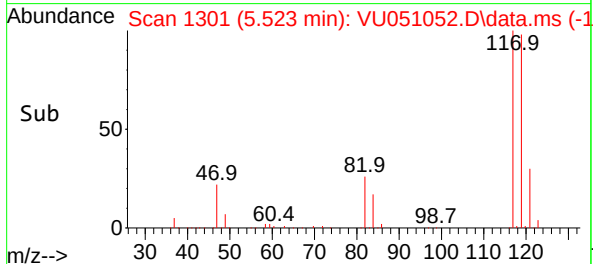
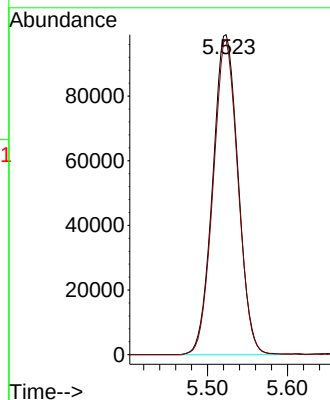
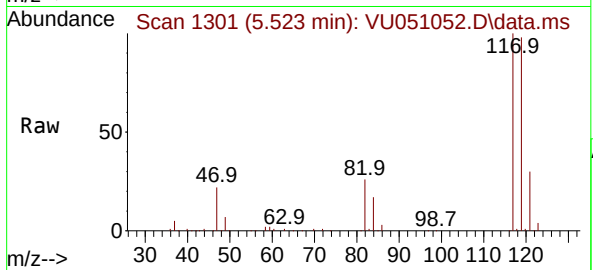




#31
Carbon tetrachloride
Concen: 48.176 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

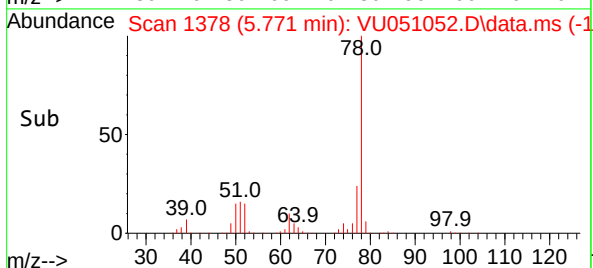
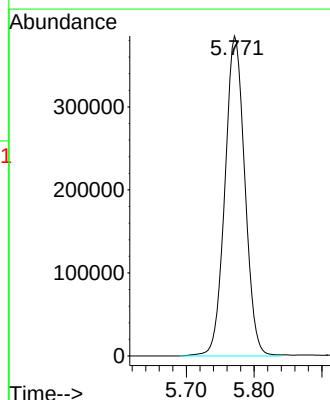
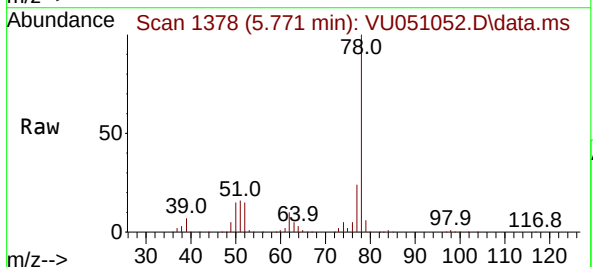
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

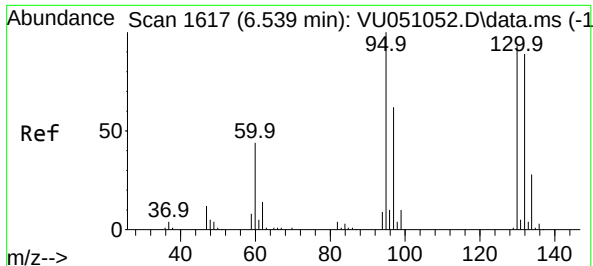
Tgt Ion:117 Resp: 218469
Ion Ratio Lower Upper
117 100
119 96.2 75.7 113.5



#33
Benzene
Concen: 54.447 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 78 Resp: 786664





#34

Trichloroethene

Concen: 51.376 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

Tgt Ion: 95 Resp: 192263

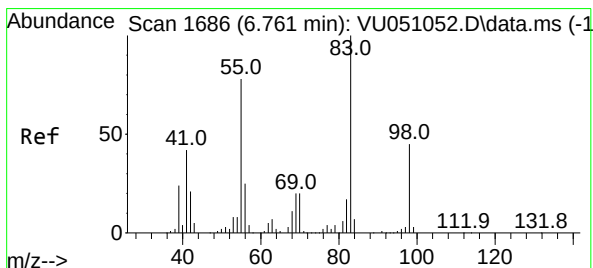
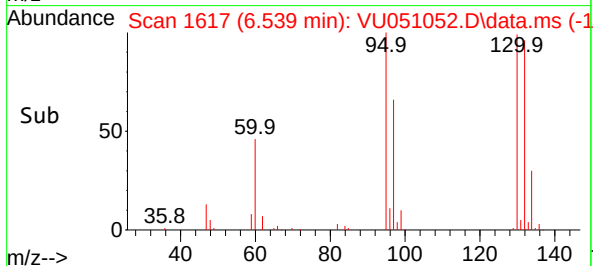
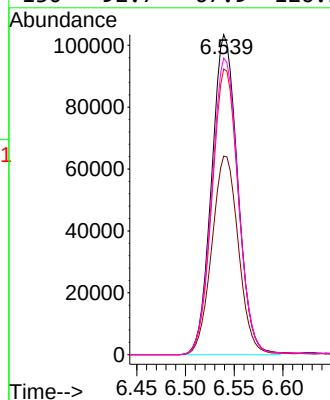
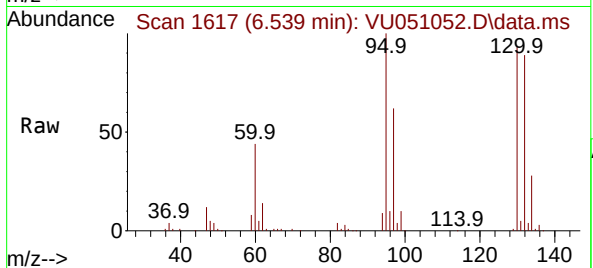
Ion Ratio Lower Upper

95 100

97 62.0 45.9 85.3

132 89.3 64.0 119.0

130 92.7 67.9 126.1



#35

Methylcyclohexane

Concen: 49.264 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

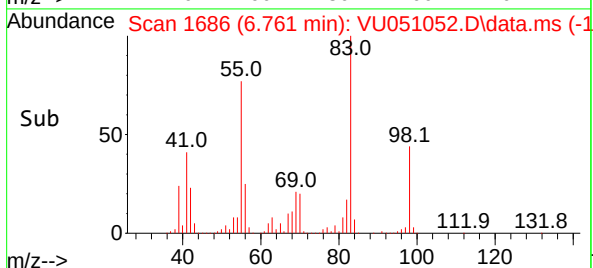
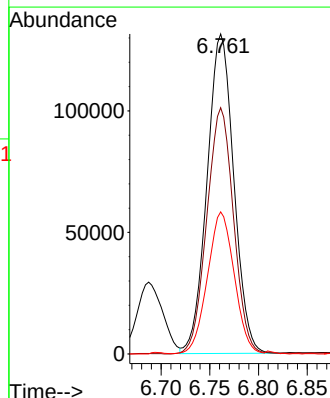
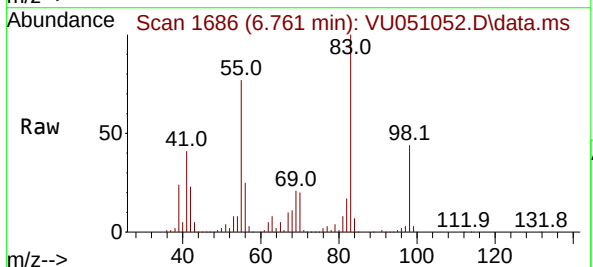
Tgt Ion: 83 Resp: 250921

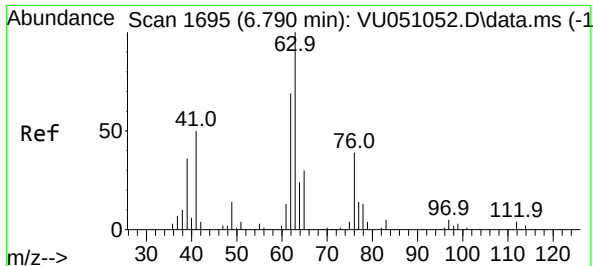
Ion Ratio Lower Upper

83 100

55 77.2 59.3 88.9

98 44.6 36.0 54.0





#37

1,2-Dichloropropane

Concen: 53.984 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

Instrument :

MSVOA_U

ClientSampleId :

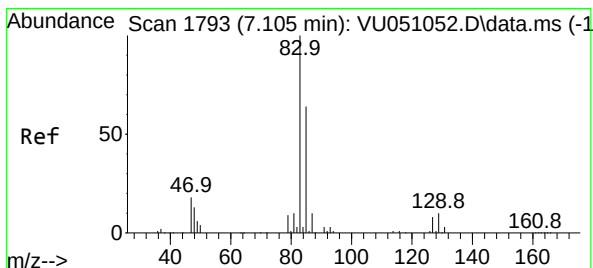
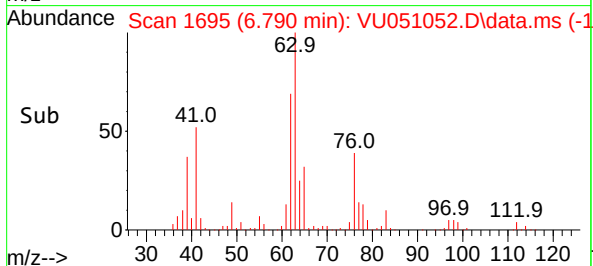
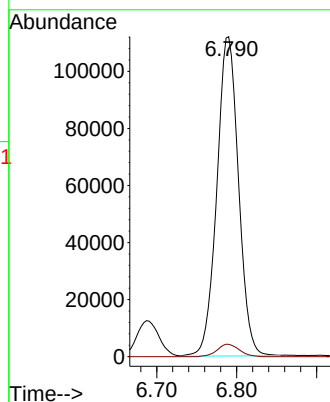
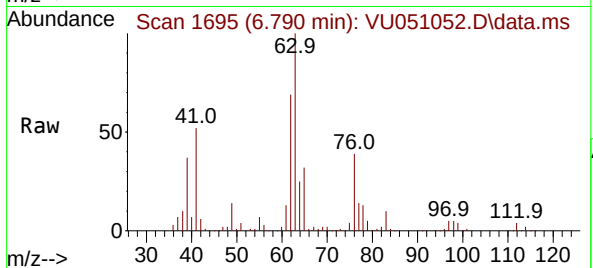
VSTD050103

Tgt Ion: 63 Resp: 210041

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 50.697 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

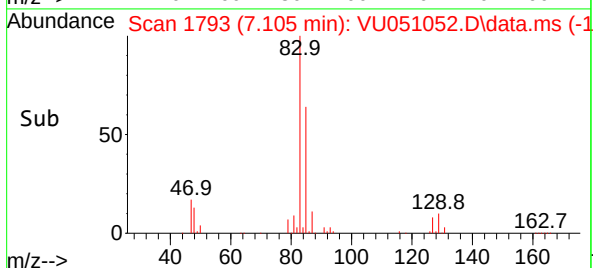
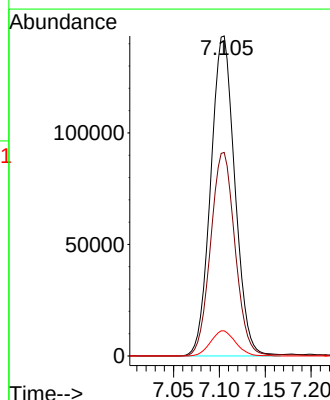
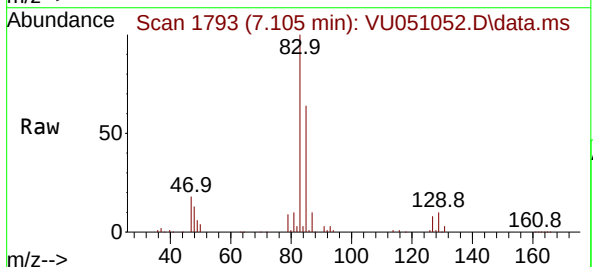
Tgt Ion: 83 Resp: 263238

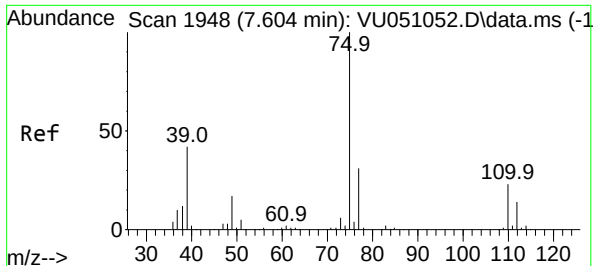
Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

127 7.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 48.485 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

Instrument :

MSVOA_U

ClientSampleId :

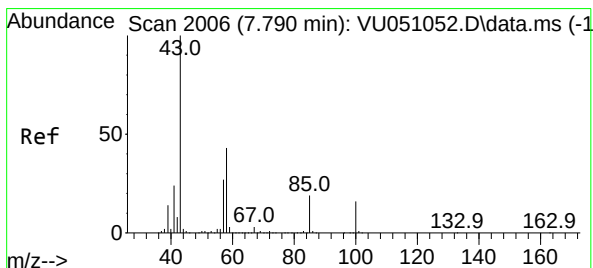
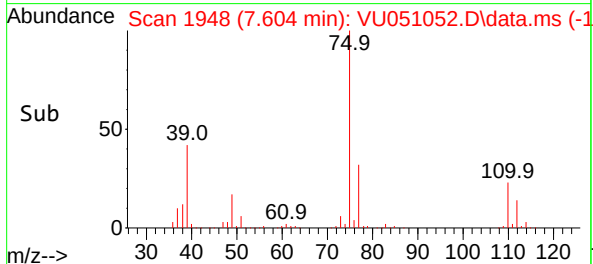
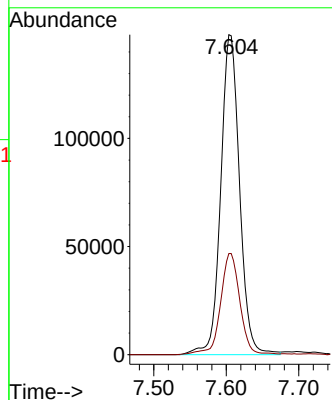
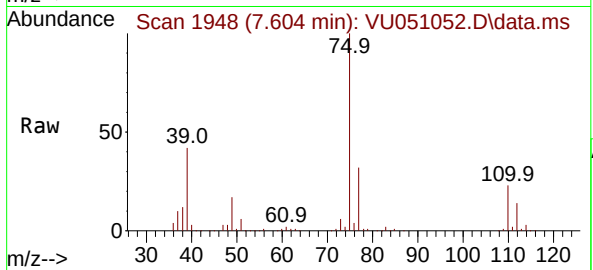
VSTD050103

Tgt Ion: 75 Resp: 267164

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 119.077 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

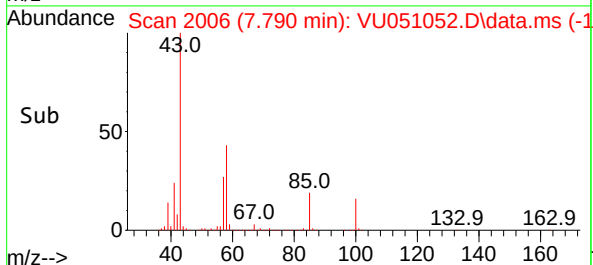
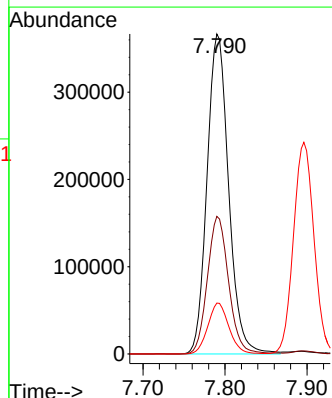
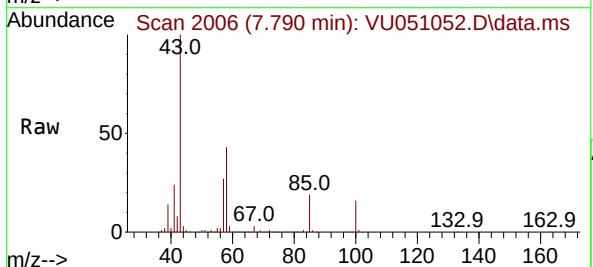
Tgt Ion: 43 Resp: 670957

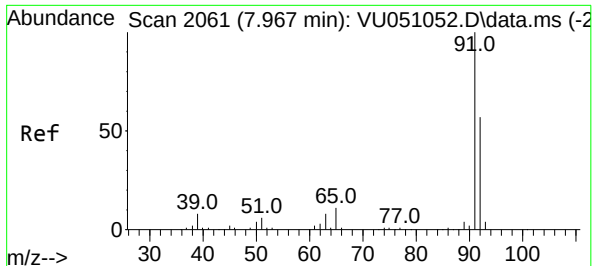
Ion Ratio Lower Upper

43 100

58 42.4 35.0 52.4

100 15.6 13.3 19.9





#42

Toluene

Concen: 54.038 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

Instrument :

MSVOA_U

ClientSampleId :

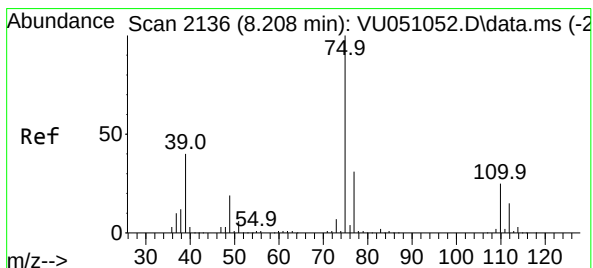
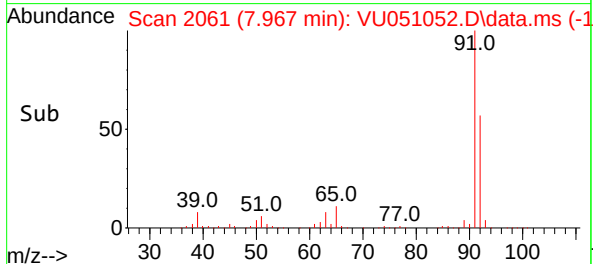
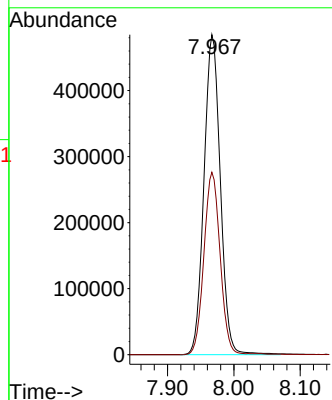
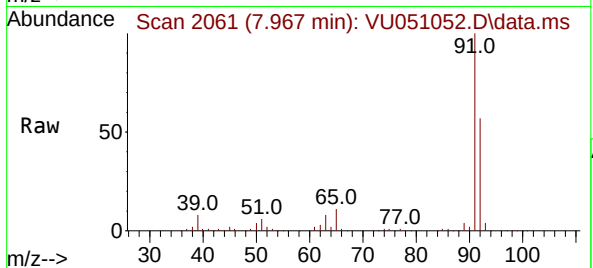
VSTD050103

Tgt Ion: 91 Resp: 830460

Ion Ratio Lower Upper

91 100

92 57.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 46.378 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051052.D

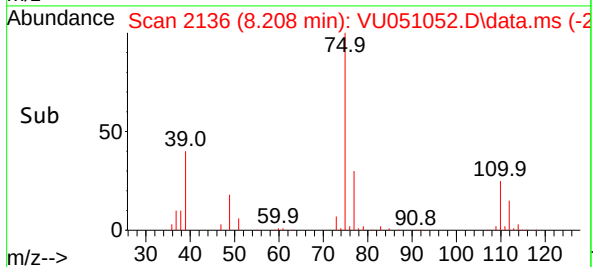
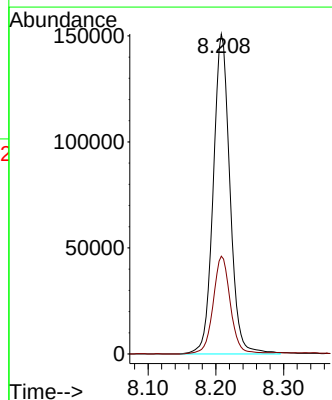
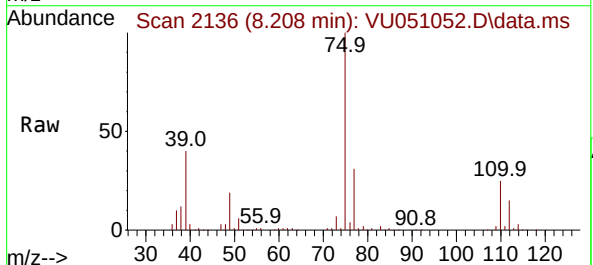
Acq: 30 Sep 2022 22:23

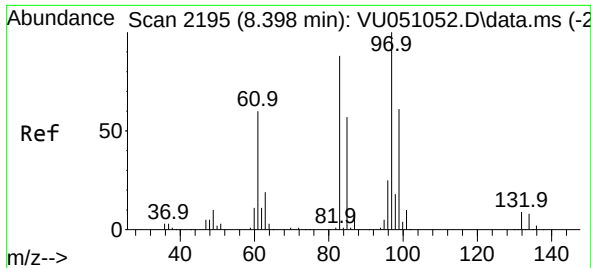
Tgt Ion: 75 Resp: 258388

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.3



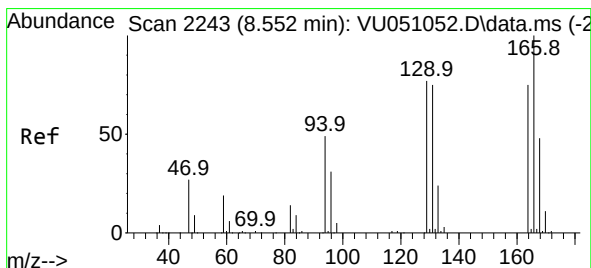
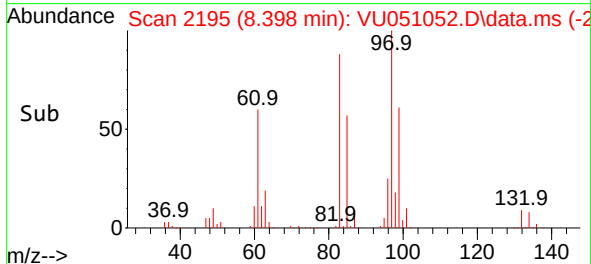
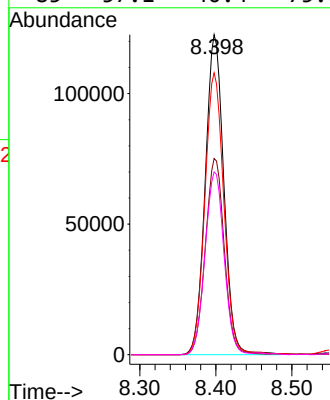
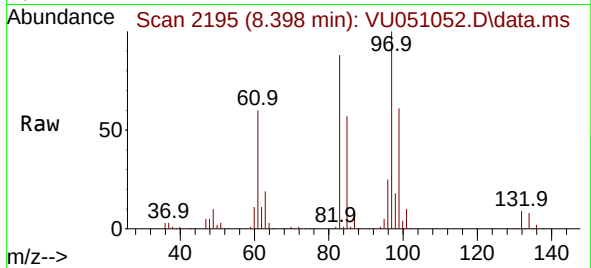


#45
1,1,2-Trichloroethane
Concen: 49.415 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

Tgt Ion: 97 Resp: 208257

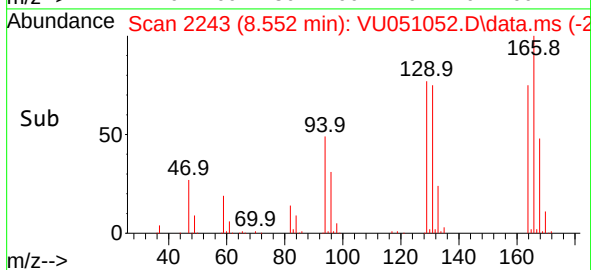
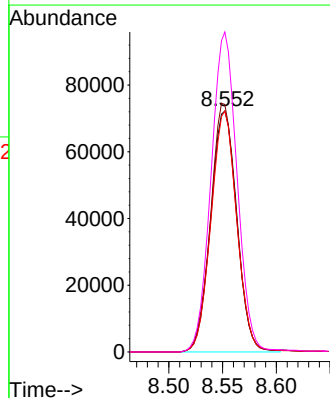
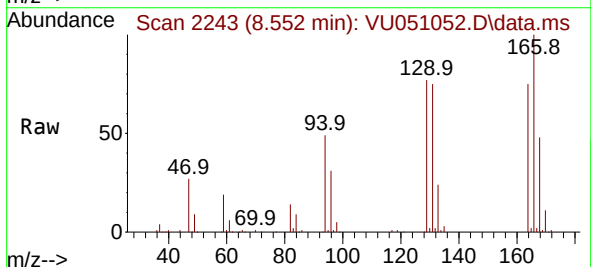
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.4	82.4
83	88.1	61.7	114.5
85	57.1	40.4	75.0

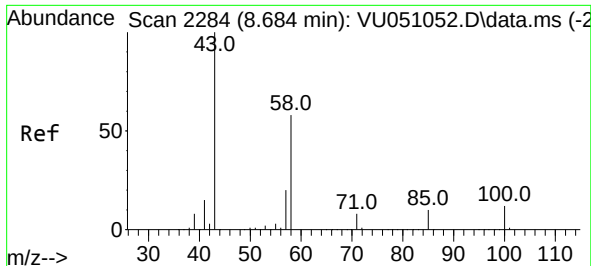


#46
Tetrachloroethene
Concen: 43.167 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 164 Resp: 122422

Ion	Ratio	Lower	Upper
164	100		
129	102.8	68.1	126.5
131	100.0	67.8	126.0
166	132.8	90.5	168.1

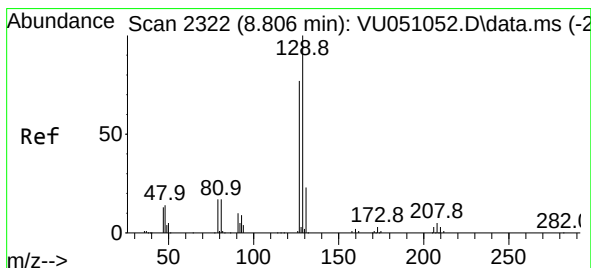
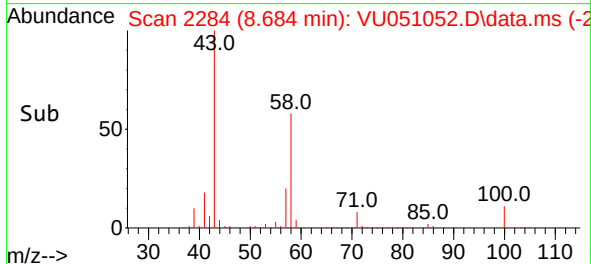
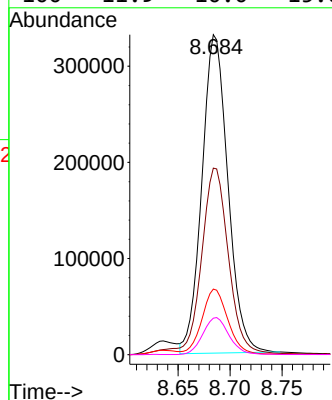
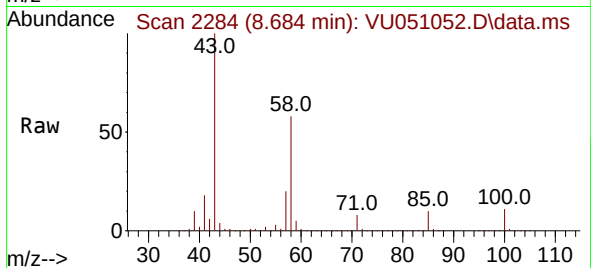




#48
2-Hexanone
Concen: 112.721 ug/L
RT: 8.684 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

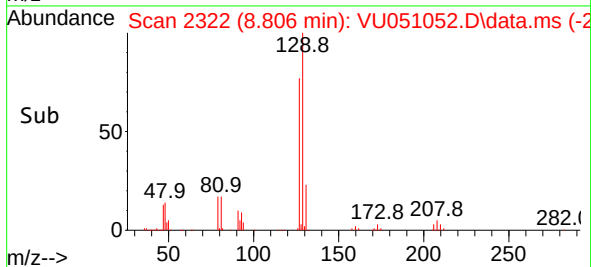
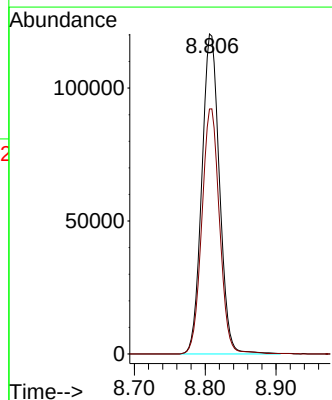
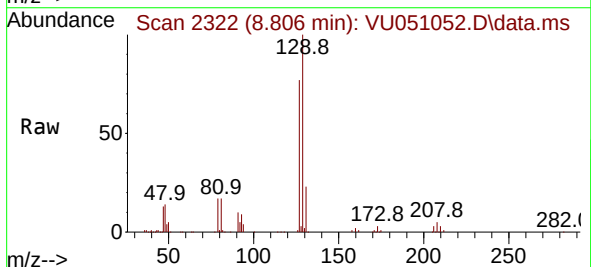
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

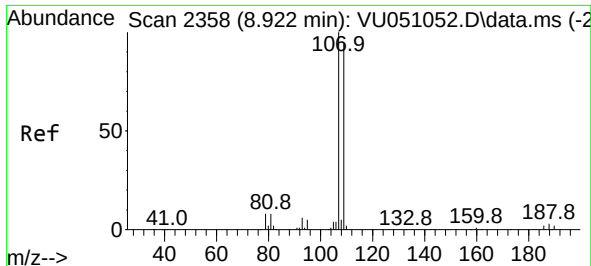
Tgt Ion: 43 Resp: 576895
Ion Ratio Lower Upper
43 100
58 62.0 48.3 72.5
57 20.8 15.9 23.9
100 11.9 10.0 15.0



#49
Dibromochloromethane
Concen: 46.959 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 129 Resp: 208074
Ion Ratio Lower Upper
129 100
127 76.6 52.8 98.0





#50

1,2-Dibromoethane

Concen: 49.098 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

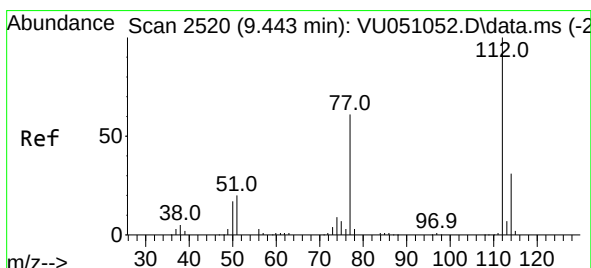
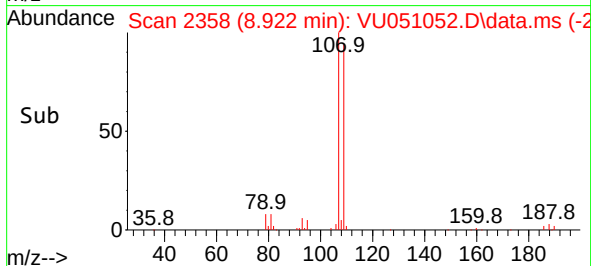
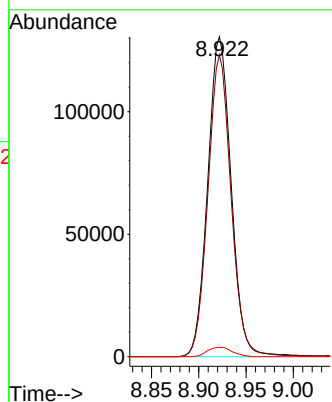
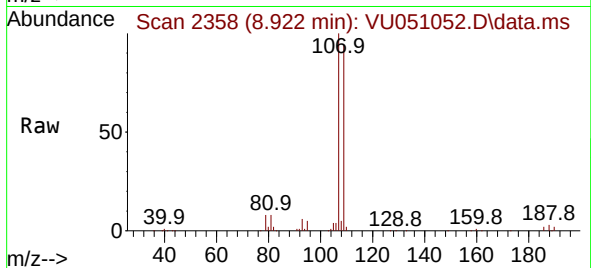
Tgt Ion:107 Resp: 224347

Ion Ratio Lower Upper

107 100

109 94.3 64.1 119.1

188 3.0 2.9 4.3



#51

Chlorobenzene

Concen: 48.549 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.003 min

Lab File: VU051052.D

Acq: 30 Sep 2022 22:23

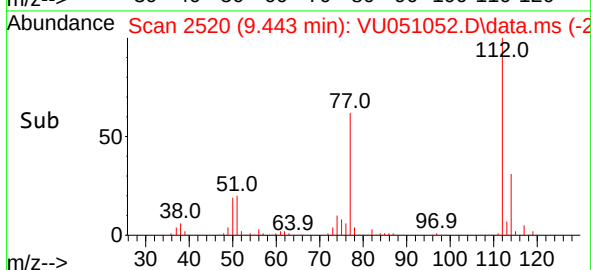
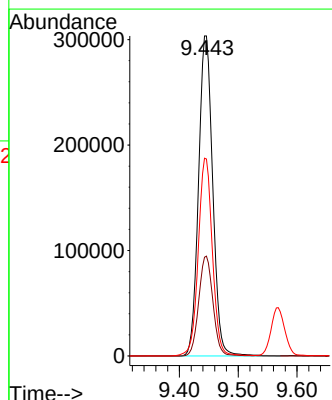
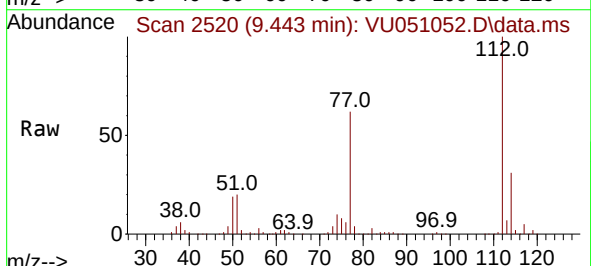
Tgt Ion:112 Resp: 507392

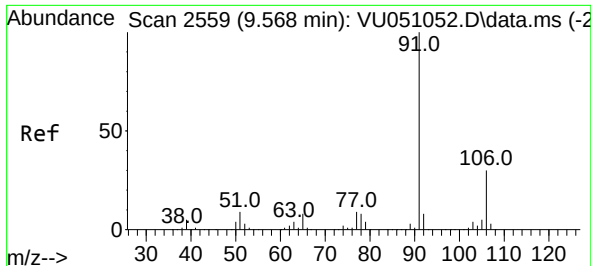
Ion Ratio Lower Upper

112 100

114 30.9 22.3 41.3

77 61.8 48.2 72.2

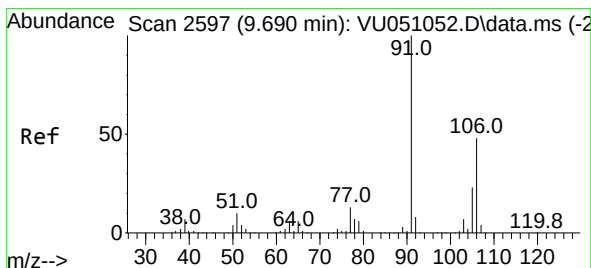
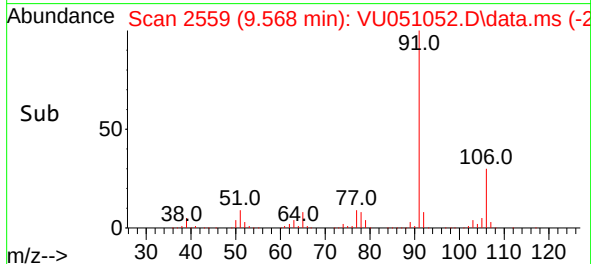
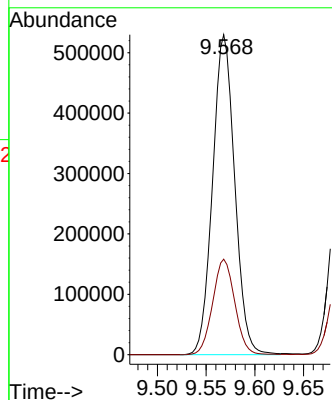
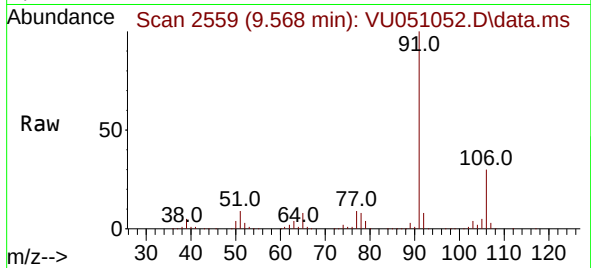




#52
Ethylbenzene
Concen: 51.009 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

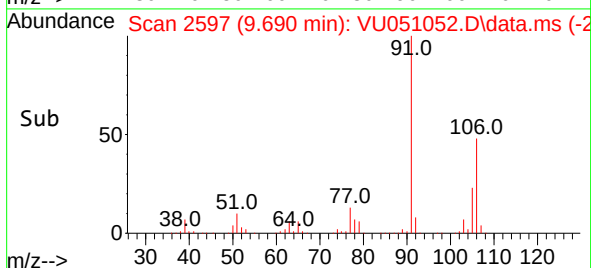
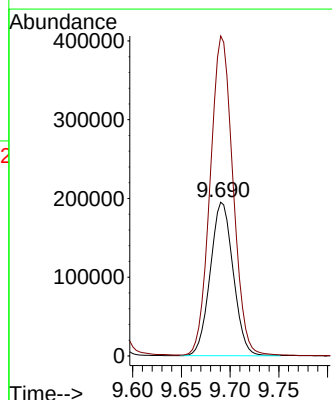
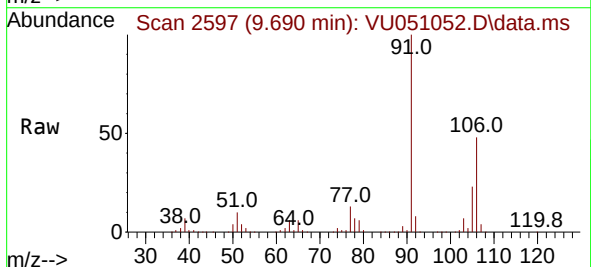
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

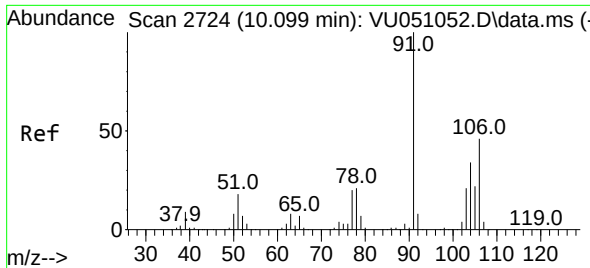
Tgt Ion: 91 Resp: 836175
Ion Ratio Lower Upper
91 100
106 29.9 21.7 40.3



#53
m,p-Xylene
Concen: 51.798 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 106 Resp: 319304
Ion Ratio Lower Upper
106 100
91 208.0 141.9 263.5

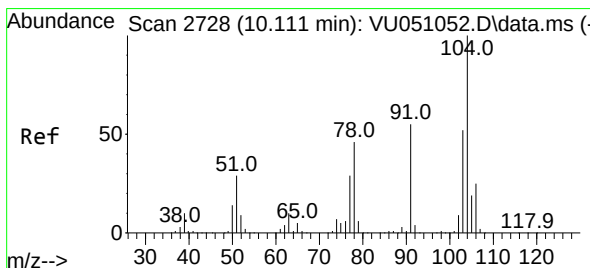
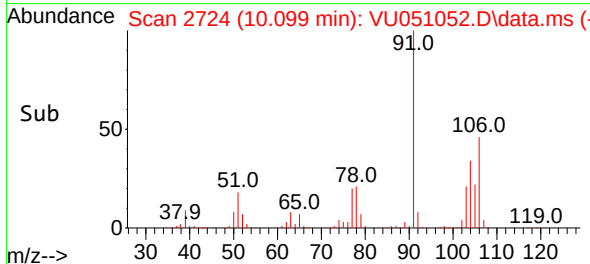
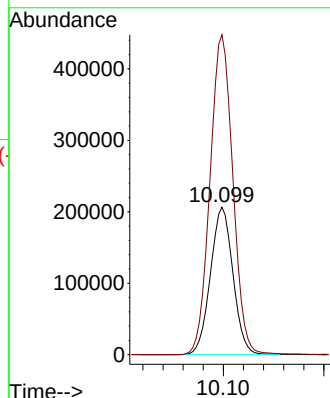
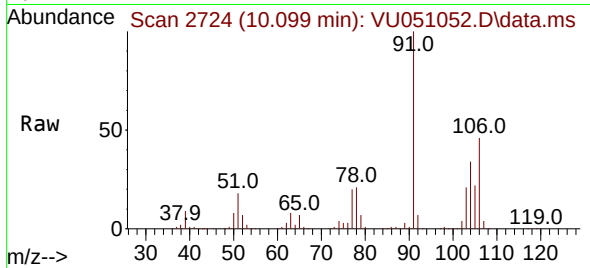




#54
o-Xylene
Concen: 52.185 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

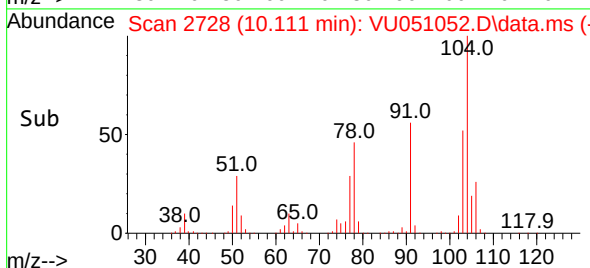
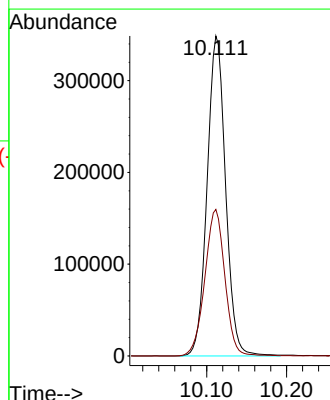
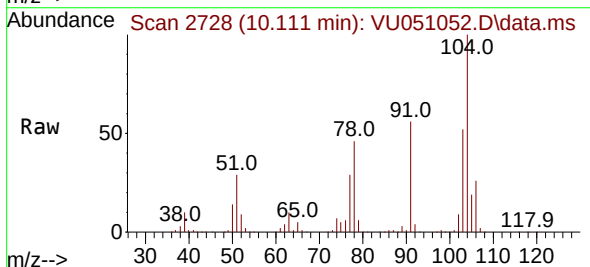
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

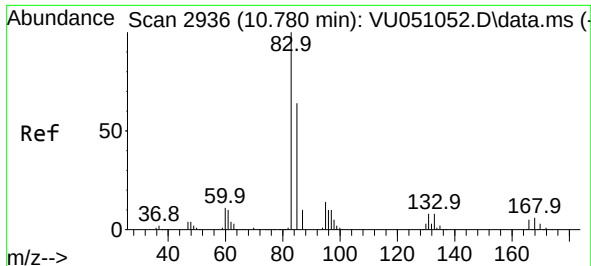
Tgt Ion:106 Resp: 321536
Ion Ratio Lower Upper
106 100
91 216.8 152.4 283.0



#55
Styrene
Concen: 52.637 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion:104 Resp: 560547
Ion Ratio Lower Upper
104 100
78 45.8 31.0 57.6

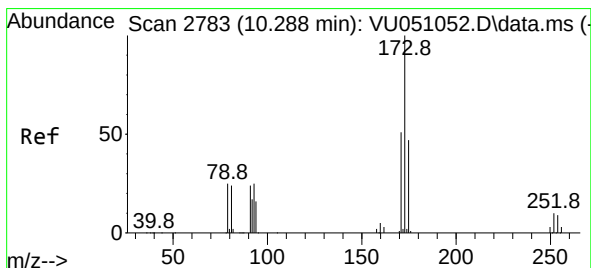
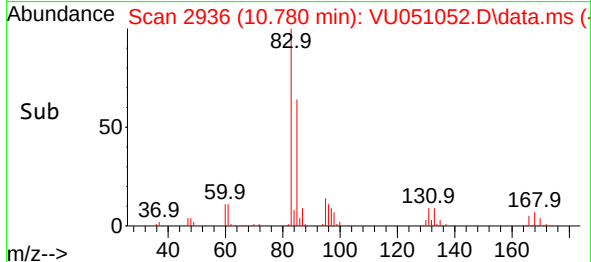
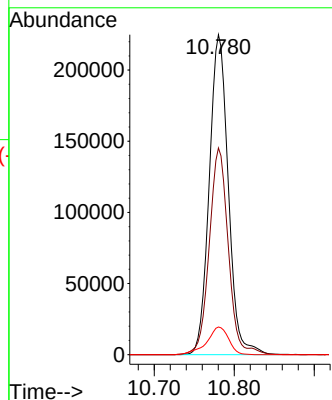
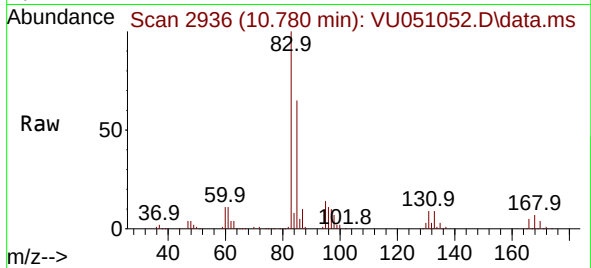




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.817 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

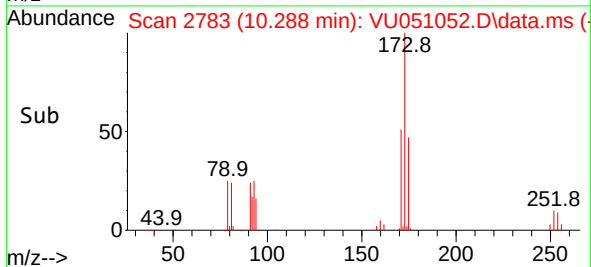
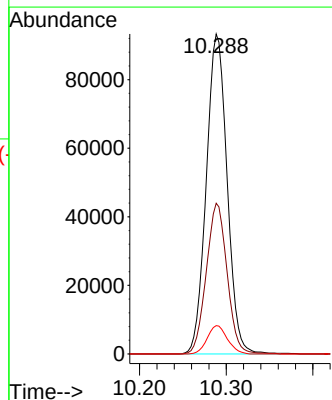
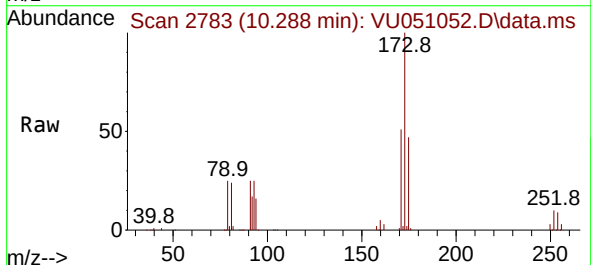
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

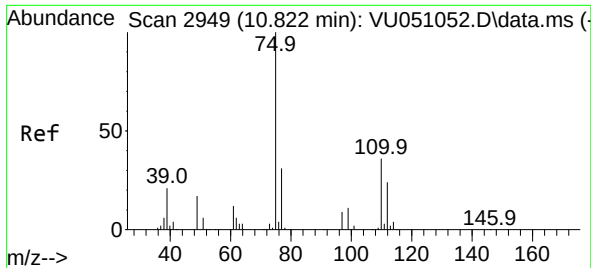
Tgt Ion: 83 Resp: 371572
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.7 83.1
 131 8.6 7.0 10.4



#59
 Bromoform
 Concen: 46.836 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

Tgt Ion: 173 Resp: 156014
 Ion Ratio Lower Upper
 173 100
 175 46.8 39.4 59.0
 254 8.6 7.4 11.0

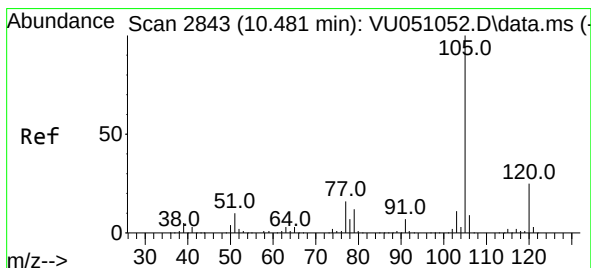
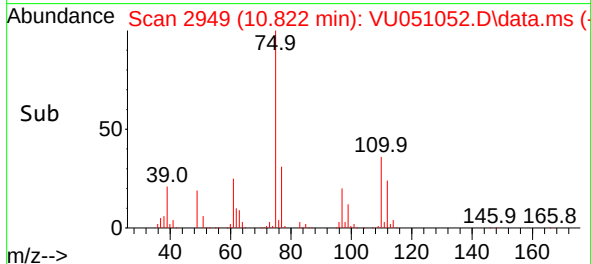
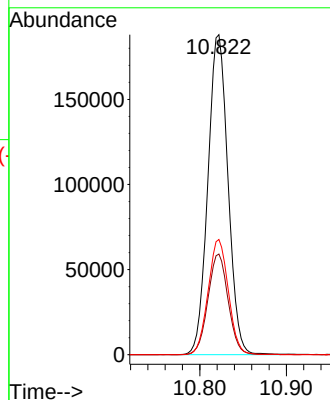
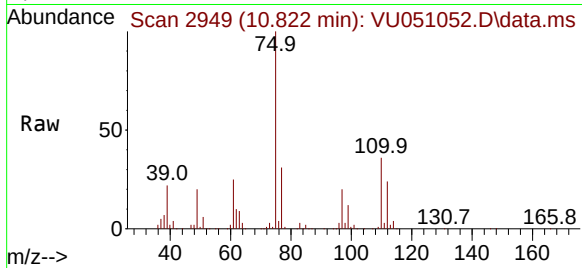




#60
1,2,3-Trichloropropane
Concen: 50.892 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

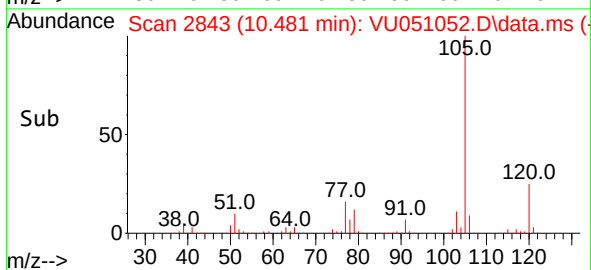
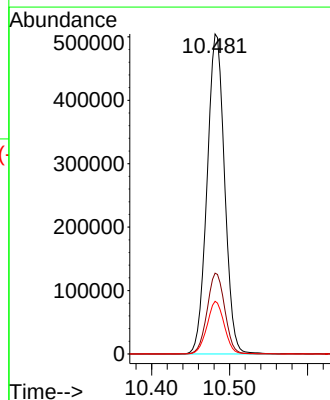
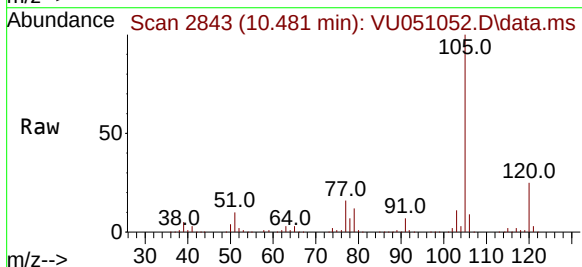
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

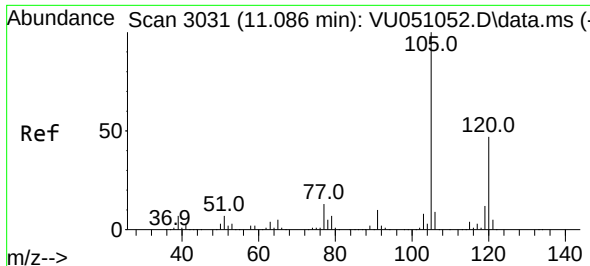
Tgt Ion: 75 Resp: 303200
Ion Ratio Lower Upper
75 100
77 31.6 26.1 39.1
110 36.3 30.0 45.0



#61
Isopropylbenzene
Concen: 53.435 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 105 Resp: 785860
Ion Ratio Lower Upper
105 100
120 25.5 21.1 31.7
77 16.2 12.8 19.2

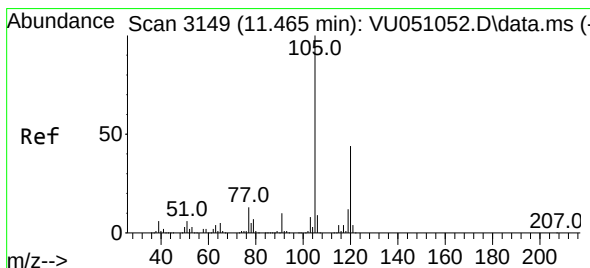
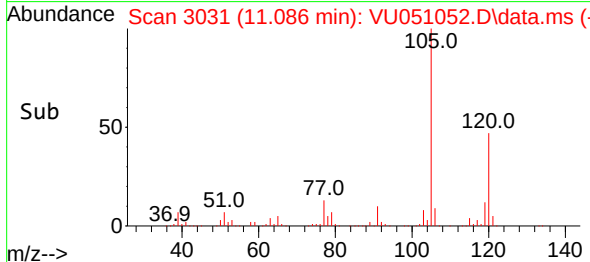
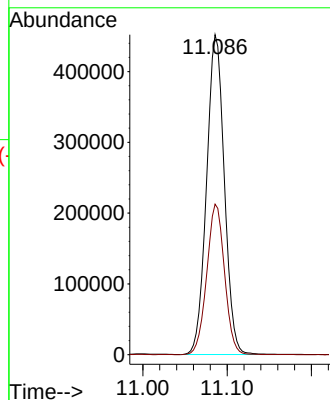
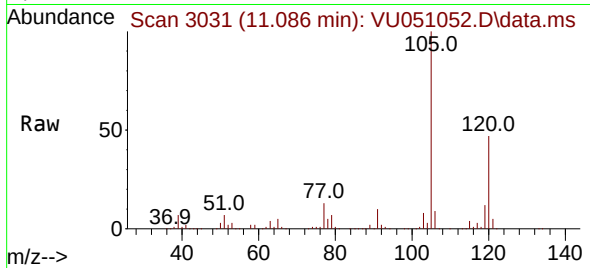




#62
 1,3,5-Trimethylbenzene
 Concen: 55.220 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

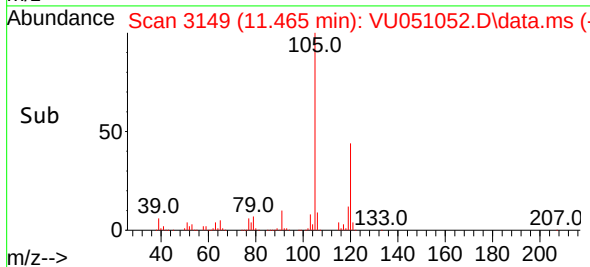
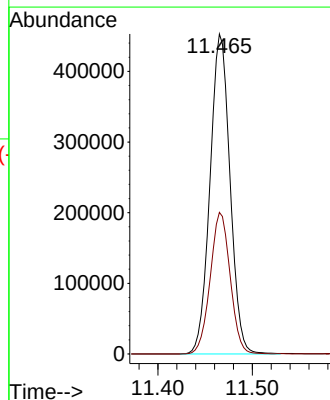
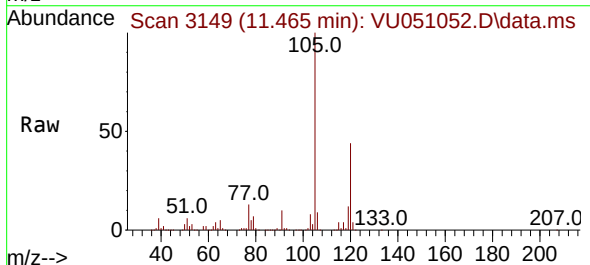
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

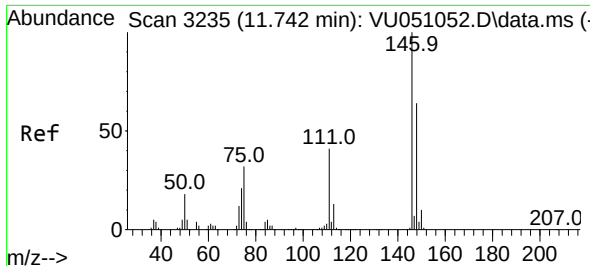
Tgt Ion:105 Resp: 664067
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 55.225 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

Tgt Ion:105 Resp: 665624
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.5 53.3

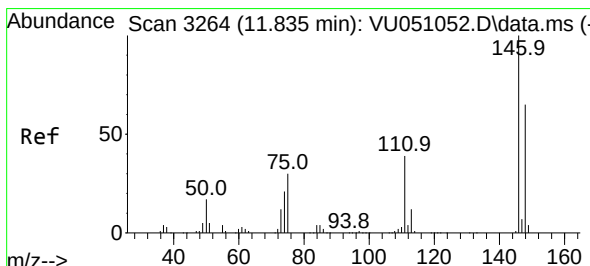
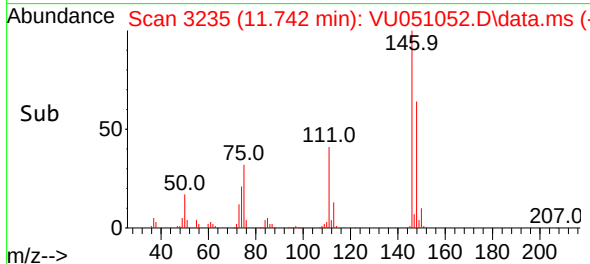
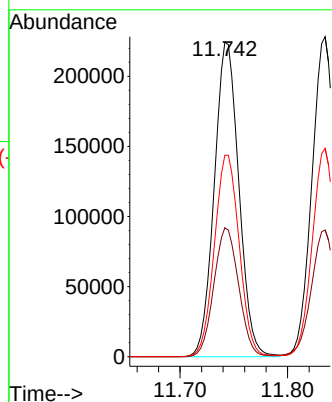
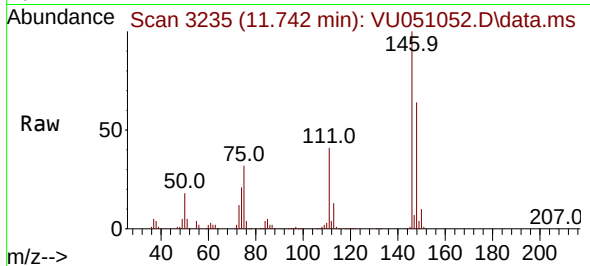




#64
 1,3-Dichlorobenzene
 Concen: 47.006 ug/L
 RT: 11.742 min Scan# 3235
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

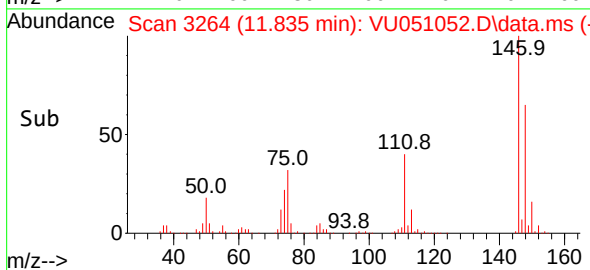
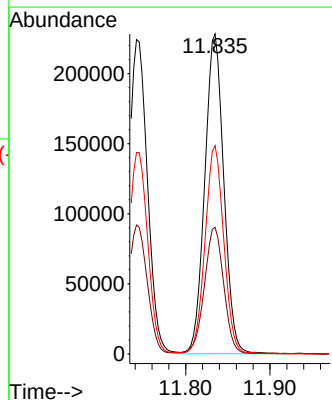
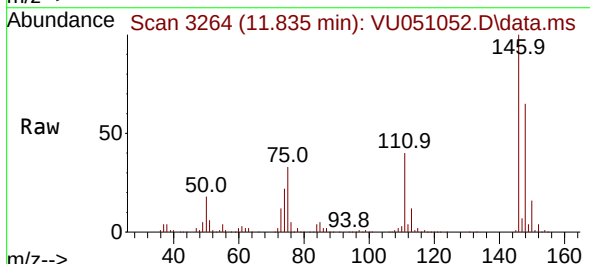
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

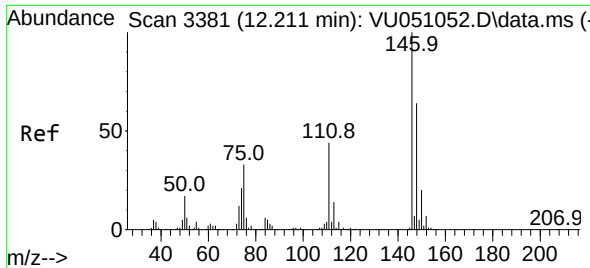
Tgt Ion:146 Resp: 356387
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.2 52.4
 148 64.1 43.5 80.9



#65
 1,4-Dichlorobenzene
 Concen: 47.358 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.003 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

Tgt Ion:146 Resp: 358916
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.0 50.2
 148 65.1 45.1 83.9

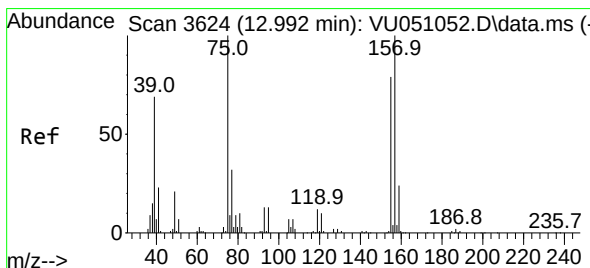
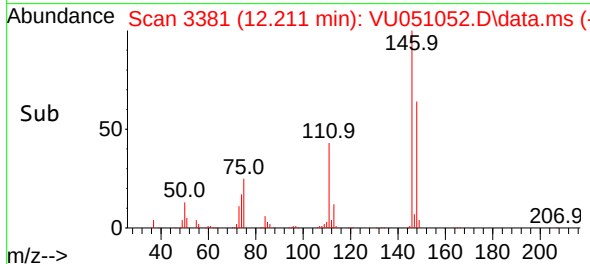
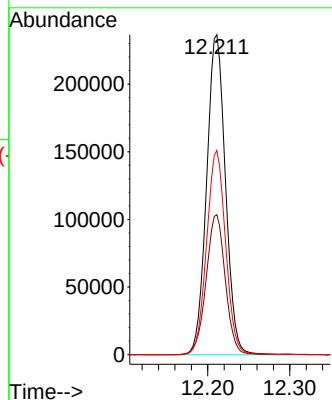
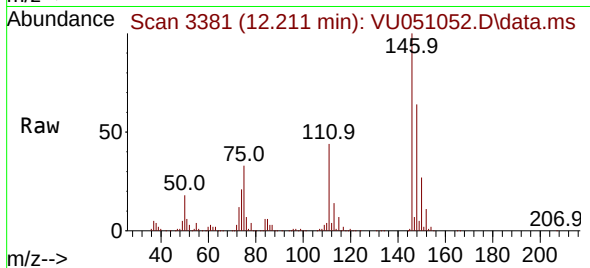




#67
1,2-Dichlorobenzene
Concen: 48.516 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

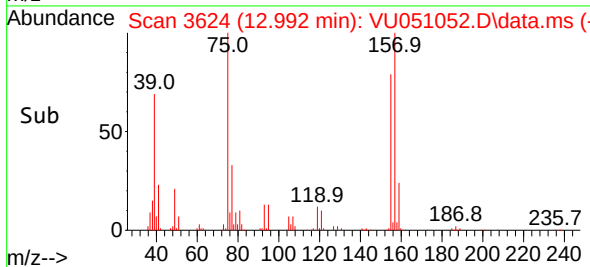
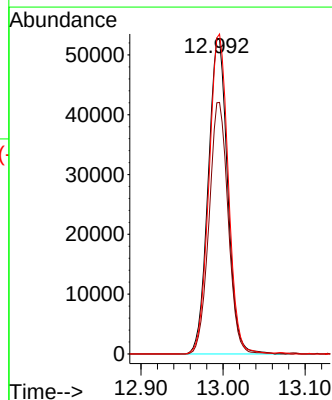
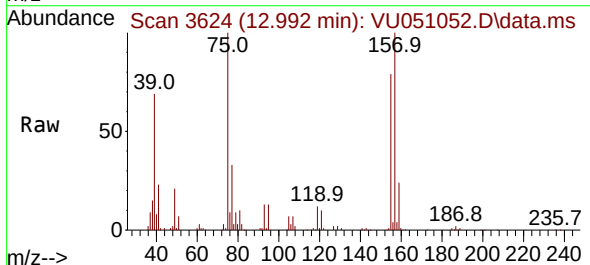
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

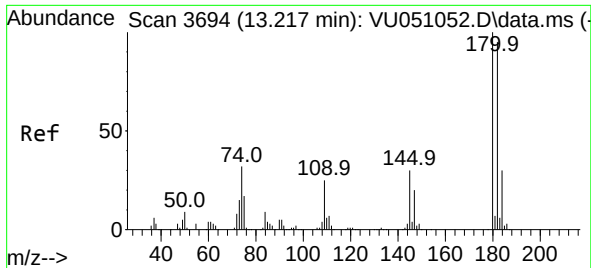
Tgt Ion:146 Resp: 377917
Ion Ratio Lower Upper
146 100
111 43.7 33.7 50.5
148 63.8 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 49.939 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion: 75 Resp: 86824
Ion Ratio Lower Upper
75 100
155 79.6 64.4 96.6
157 100.1 82.2 123.2

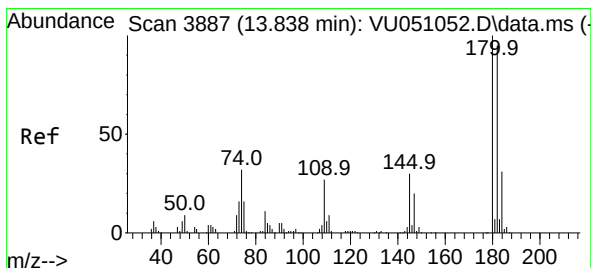
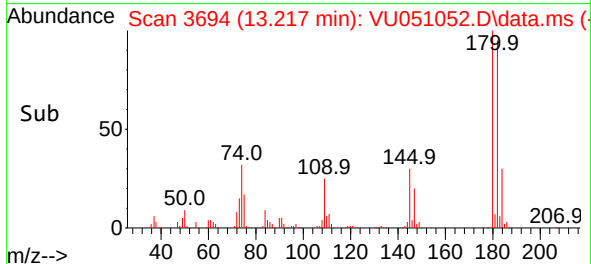
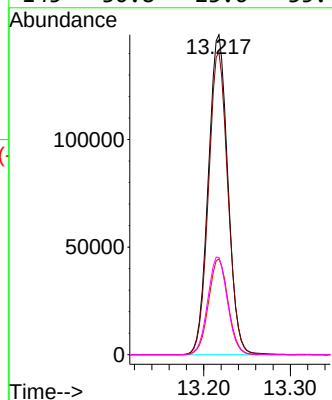
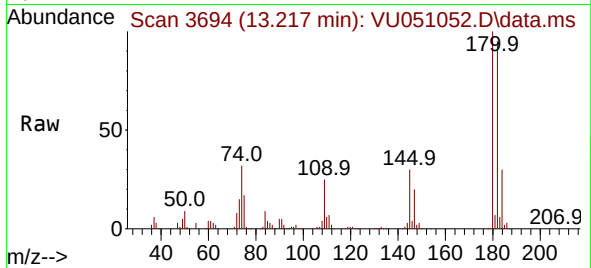




#69
 1,3,5-Trichlorobenzene
 Concen: 45.323 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.003 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

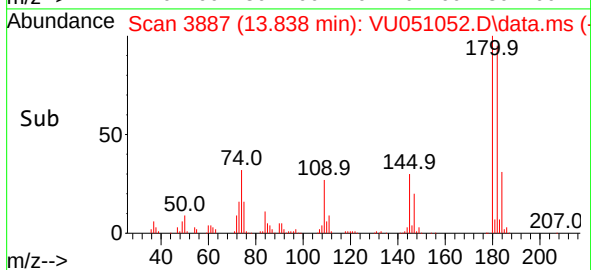
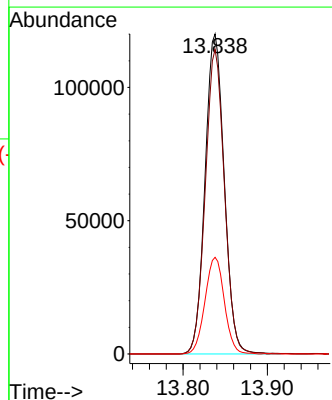
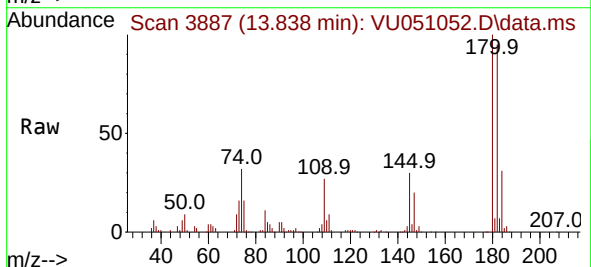
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

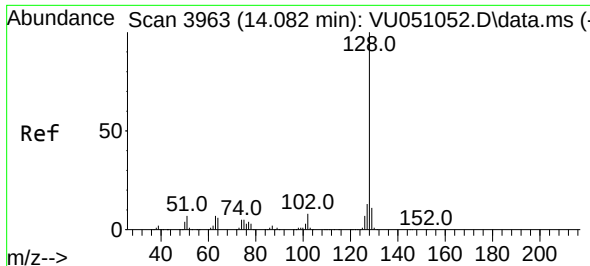
Tgt Ion:	180	Resp:	233021
Ion Ratio	Lower	Upper	
180	100		
182	94.0	77.0	115.4
184	30.0	24.4	36.6
145	30.8	23.6	35.4



#70
 1,2,4-trichlorobenzene
 Concen: 45.251 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051052.D
 Acq: 30 Sep 2022 22:23

Tgt Ion:	180	Resp:	190350
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.9	113.9
145	30.5	24.0	36.0

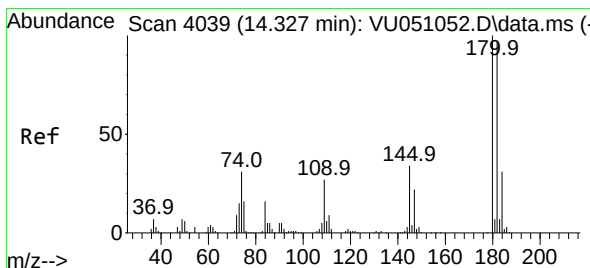
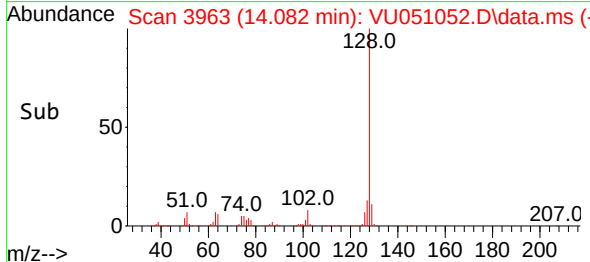
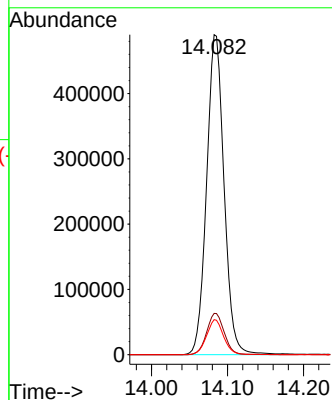
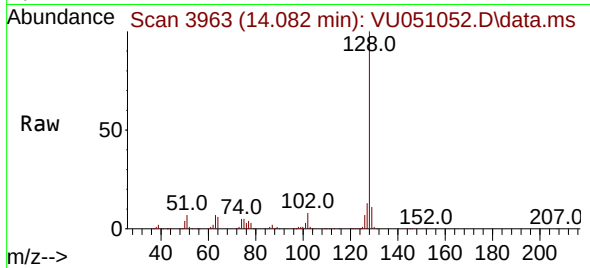




#71
Naphthalene
Concen: 51.938 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

Tgt Ion:128 Resp: 781981
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 46.313 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU051052.D
Acq: 30 Sep 2022 22:23

Tgt Ion:180 Resp: 217395
Ion Ratio Lower Upper
180 100
182 95.6 76.0 114.0
145 33.6 26.1 39.1

