

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053652.D
 Acq On : 11 Apr 2023 21:55
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050194

Quant Time: Apr 12 02:28:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	233259	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	225802	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	124538	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	73022	40.204	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.400%
7) Chloroethane-d5	1.909	69	63167	45.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.220%
11) 1,1-Dichloroethene-d2	2.565	63	121548	43.231	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.460%
21) 2-Butanone-d5	4.613	46	97834	118.970	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.970%
24) Chloroform-d	5.057	84	140197	46.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.340%
26) 1,2-Dichloroethane-d4	5.694	65	88319	49.758	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.520%
32) Benzene-d6	5.723	84	275596	45.217	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.440%
36) 1,2-Dichloropropane-d6	6.684	67	87716	47.084	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.160%
41) Toluene-d8	7.893	98	263624	43.517	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.040%
43) trans-1,3-Dichloroprop...	8.173	79	42272	43.958	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.920%
47) 2-Hexanone-d5	8.626	63	73215	115.153	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.150%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	133385	50.799	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	111726	42.979	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	87300	46.112	ug/L	98
3) Chloromethane	1.520	50	87454	56.216	ug/L	97
5) Vinyl chloride	1.604	62	104313	57.858	ug/L	97
6) Bromomethane	1.848	94	65024	49.567	ug/L	99
8) Chloroethane	1.929	64	61774	56.968	ug/L	96
9) Trichlorofluoromethane	2.134	101	146222	52.729	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	78952	49.160	ug/L	91
12) 1,1-Dichloroethene	2.575	96	70133	49.000	ug/L	96
13) Acetone	2.617	43	72703	98.375	ug/L	97
14) Carbon disulfide	2.790	76	178323	47.099	ug/L	98
15) Methyl Acetate	2.941	43	66877	59.079	ug/L	95
16) Methylene chloride	3.041	84	94963	59.029	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	71893	49.979	ug/L	95
18) Methyl tert-butyl Ether	3.356	73	225641	53.817	ug/L	99
19) 1,1-Dichloroethane	3.864	63	131948	55.375	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	84058	50.592	ug/L	91
22) 2-Butanone	4.694	43	96793	108.108	ug/L	96
23) Bromochloromethane	4.967	128	45686	49.365	ug/L	90
25) Chloroform	5.083	83	145461	53.224	ug/L	98

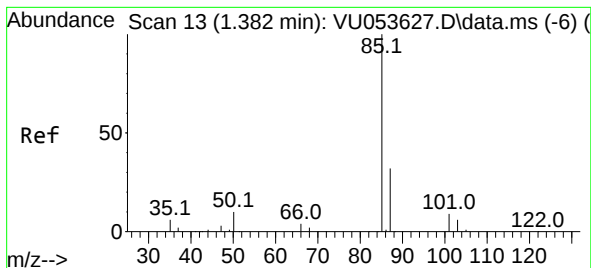
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053652.D
 Acq On : 11 Apr 2023 21:55
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050194

Quant Time: Apr 12 02:28:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	110199	55.059	ug/L	95
29) Cyclohexane	5.382	56	108905	50.100	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	125831	50.574	ug/L	99
31) Carbon tetrachloride	5.520	117	107499	48.224	ug/L	99
33) Benzene	5.768	78	309488	52.606	ug/L	100
34) Trichloroethene	6.536	95	85888	48.269	ug/L	94
35) Methylcyclohexane	6.758	83	123174	47.093	ug/L	98
37) 1,2-Dichloropropane	6.784	63	79457	53.190	ug/L	100
38) Bromodichloromethane	7.102	83	103744	52.059	ug/L	97
39) cis-1,3-Dichloropropene	7.600	75	128925	52.814	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	187656	115.600	ug/L	99
42) Toluene	7.964	91	338296	50.741	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	122517	53.090	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	84713	51.651	ug/L	96
46) Tetrachloroethene	8.549	164	62704	42.466	ug/L	93
48) 2-Hexanone	8.677	43	145854	111.073	ug/L	98
49) Dibromochloromethane	8.803	129	81944	48.050	ug/L	99
50) 1,2-Dibromoethane	8.919	107	94170	51.320	ug/L	98
51) Chlorobenzene	9.443	112	227868	49.606	ug/L	96
52) Ethylbenzene	9.565	91	368458	49.646	ug/L	99
53) m,p-Xylene	9.690	106	143941	49.590	ug/L	100
54) o-Xylene	10.095	106	140772	49.053	ug/L	98
55) Styrene	10.108	104	237056	50.714	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	134257	55.753	ug/L	96
59) Bromoform	10.285	173	57979	45.484	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	105485	58.416	ug/L	98
61) Isopropylbenzene	10.478	105	371774	50.492	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	308143	50.343	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	302594	49.914	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	177437	46.119	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	178946	45.635	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	178674	46.597	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27050	56.191	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	118145	41.468	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	106199	40.204	ug/L	99
71) Naphthalene	14.082	128	361141	45.677	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	109787	41.612	ug/L	98

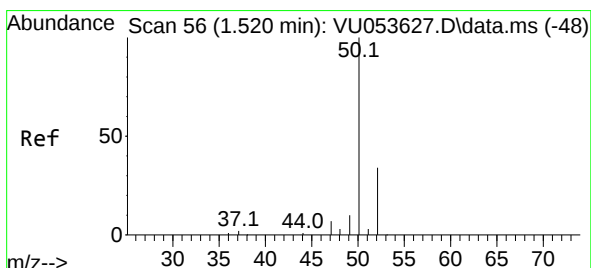
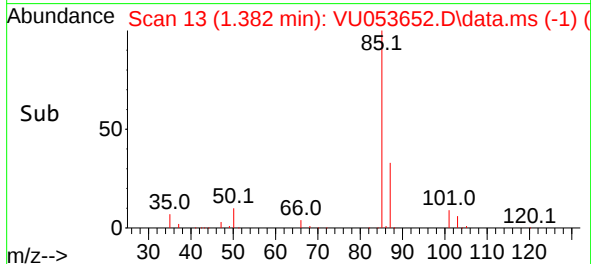
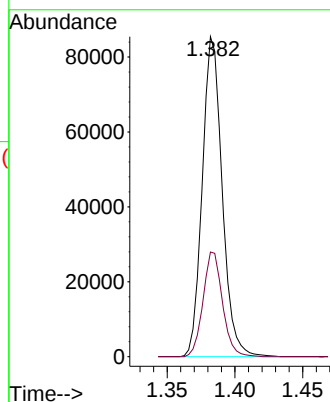
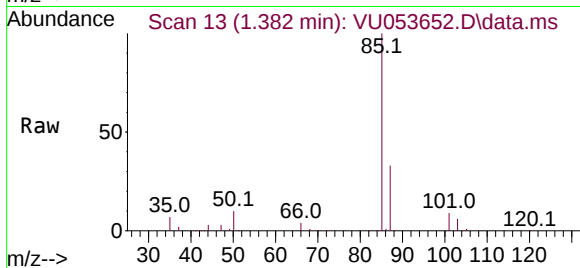
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 46.112 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

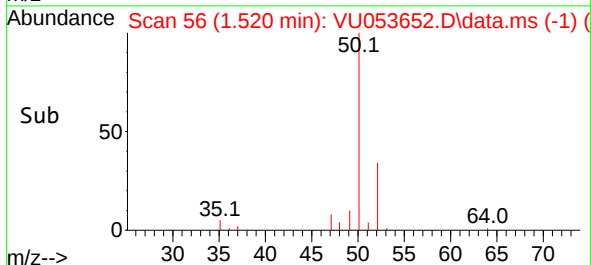
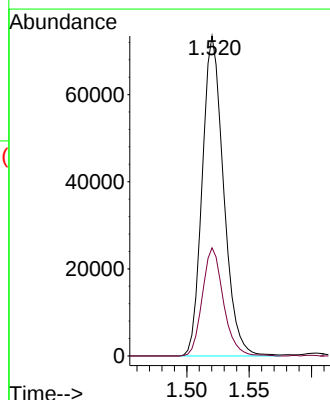
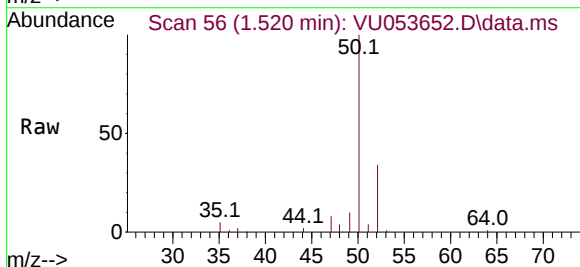
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

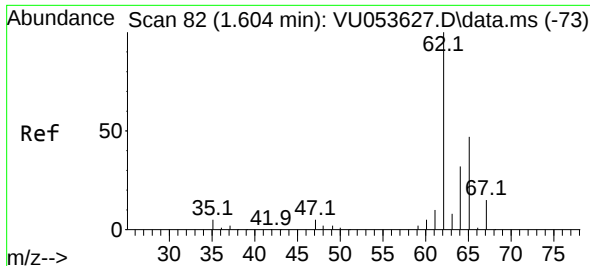
Tgt Ion: 85 Resp: 87300
Ion Ratio Lower Upper
85 100
87 31.9 26.4 39.6



#3
Chloromethane
Concen: 56.216 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

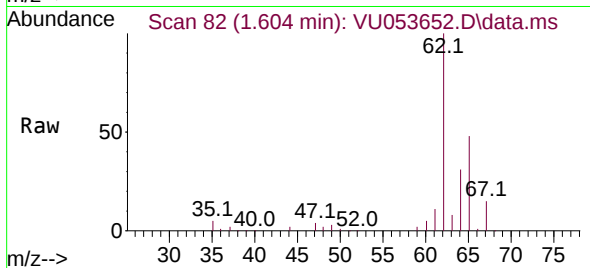
Tgt Ion: 50 Resp: 87454
Ion Ratio Lower Upper
50 100
52 33.8 22.7 42.1



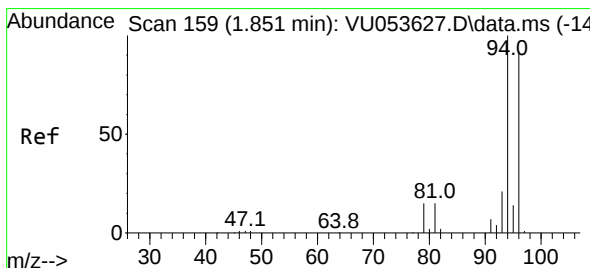
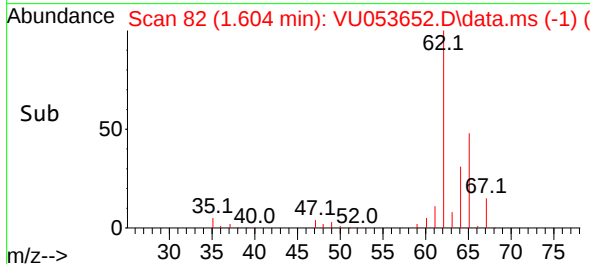
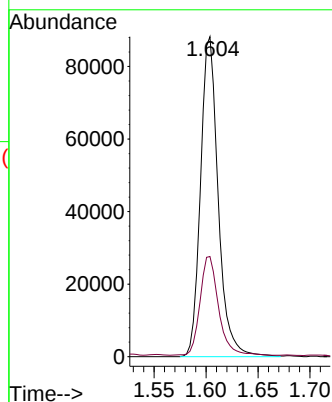


#5
 Vinyl chloride
 Concen: 57.858 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053652.D
 Acq: 11 Apr 2023 21:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050194

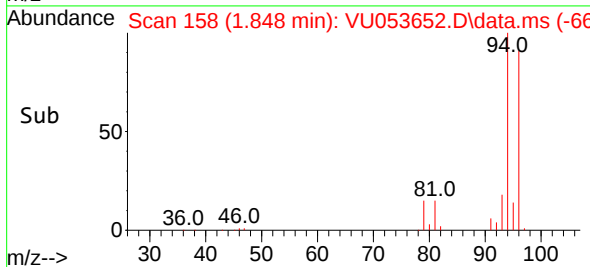
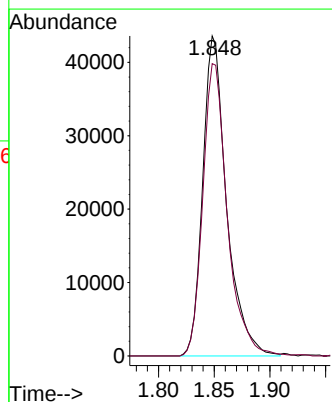
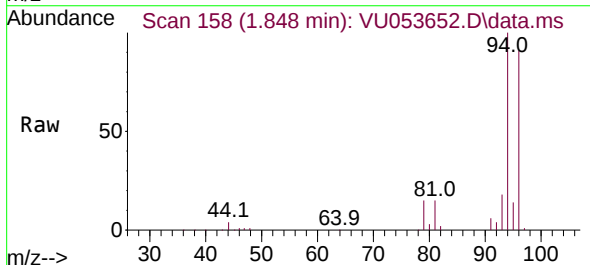


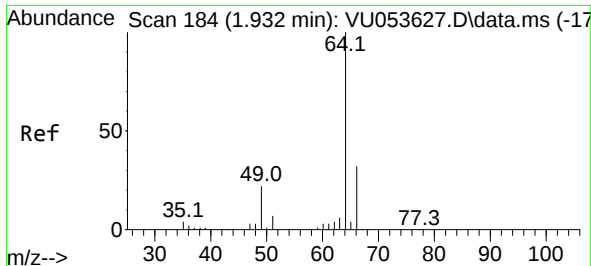
Tgt Ion: 62 Resp: 104313
 Ion Ratio Lower Upper
 62 100
 64 31.3 23.2 43.0



#6
 Bromomethane
 Concen: 49.567 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. -0.003 min
 Lab File: VU053652.D
 Acq: 11 Apr 2023 21:55

Tgt Ion: 94 Resp: 65024
 Ion Ratio Lower Upper
 94 100
 96 91.4 64.4 119.6

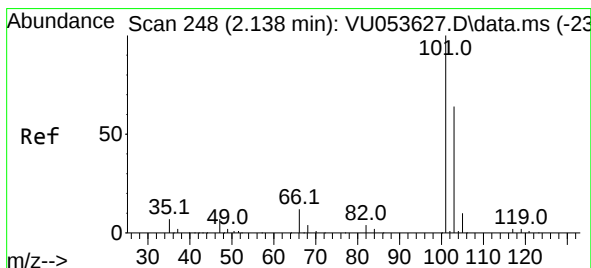
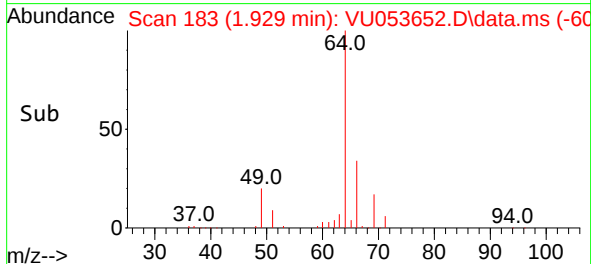
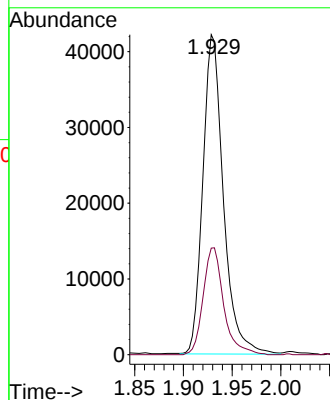
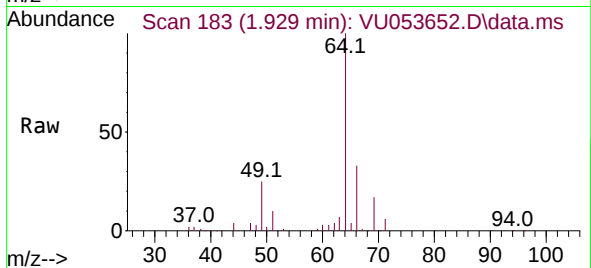




#8
Chloroethane
Concen: 56.968 ug/L
RT: 1.929 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

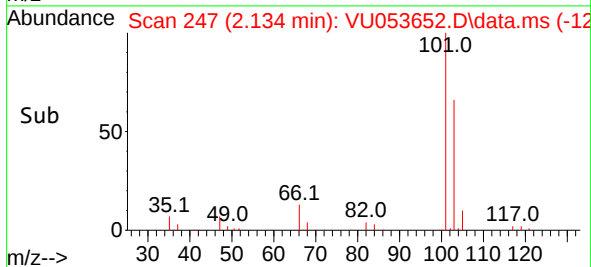
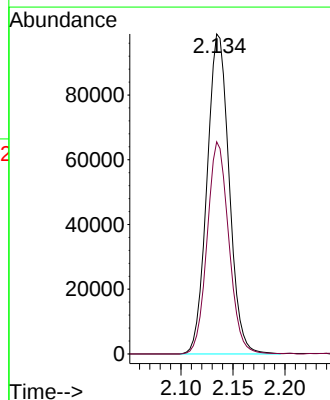
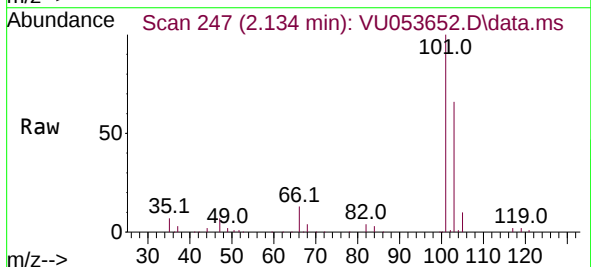
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

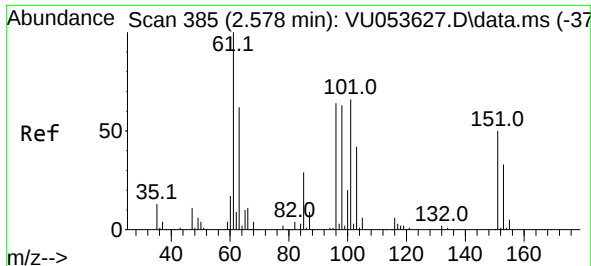
Tgt Ion: 64 Resp: 61774
Ion Ratio Lower Upper
64 100
66 33.3 21.8 40.6



#9
Trichlorofluoromethane
Concen: 52.729 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion:101 Resp: 146222
Ion Ratio Lower Upper
101 100
103 64.9 52.5 78.7

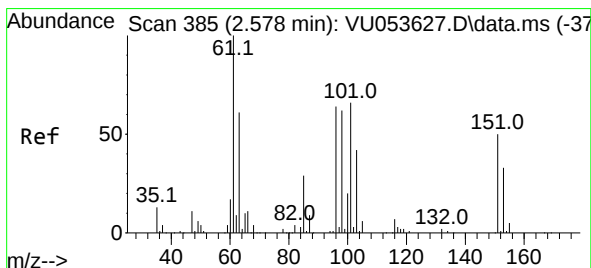
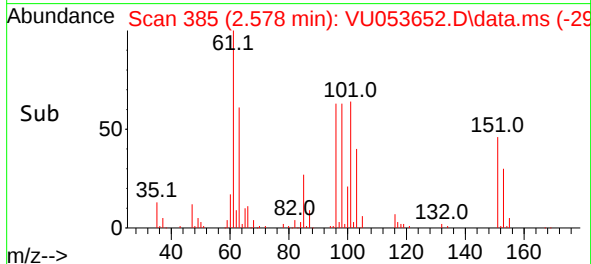
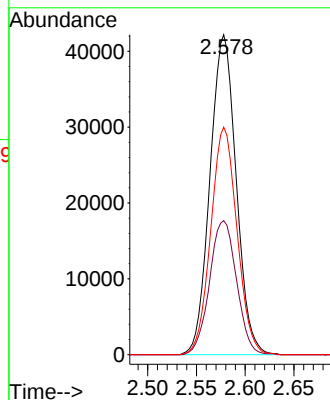
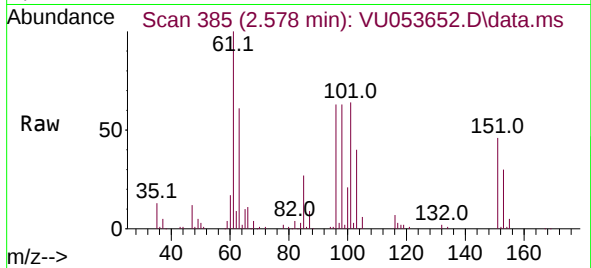




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.160 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

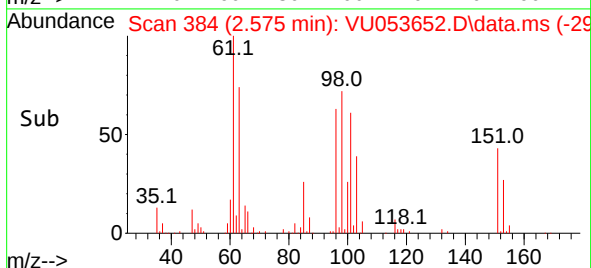
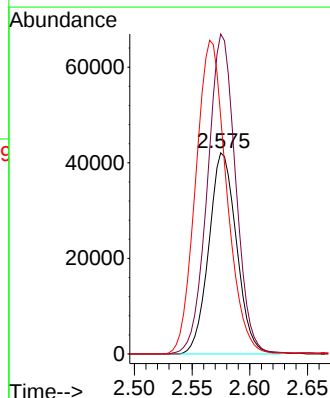
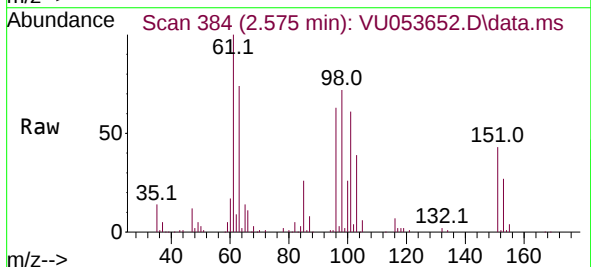
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

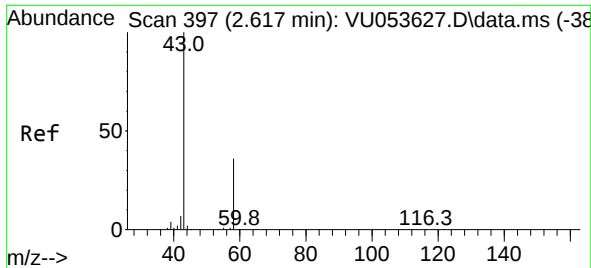
Tgt Ion:101 Resp: 78952
Ion Ratio Lower Upper
101 100
85 43.1 32.6 48.8
151 71.3 65.8 98.6



#12
1,1-Dichloroethene
Concen: 49.000 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion: 96 Resp: 70133
Ion Ratio Lower Upper
96 100
61 159.2 107.9 200.5
63 118.1 79.1 146.9





#13

Acetone

Concen: 98.375 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

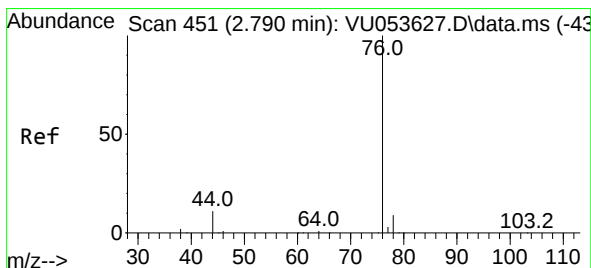
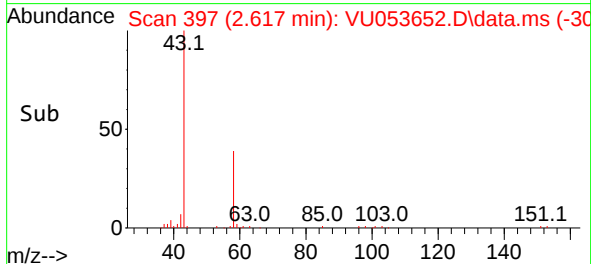
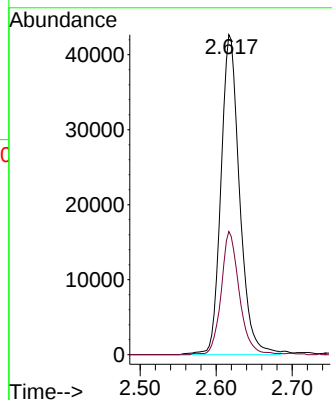
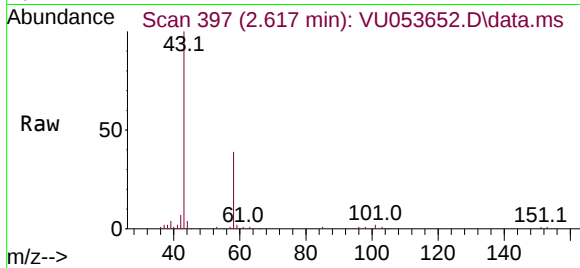
VSTD050194

Tgt Ion: 43 Resp: 72703

Ion Ratio Lower Upper

43 100

58 36.6 0.0 70.2



#14

Carbon disulfide

Concen: 47.099 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU053652.D

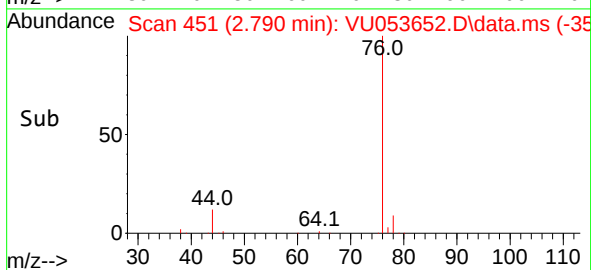
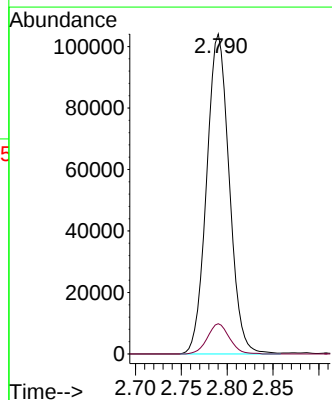
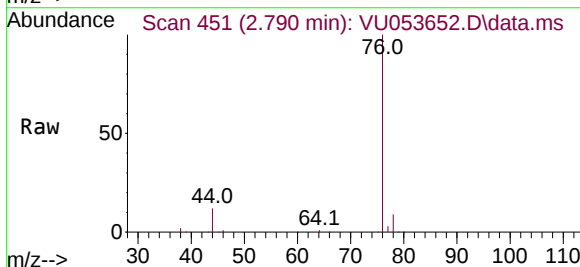
Acq: 11 Apr 2023 21:55

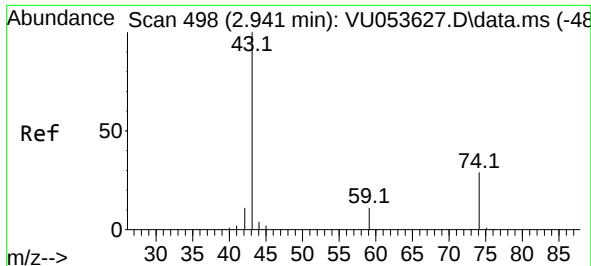
Tgt Ion: 76 Resp: 178323

Ion Ratio Lower Upper

76 100

78 9.5 8.2 12.2

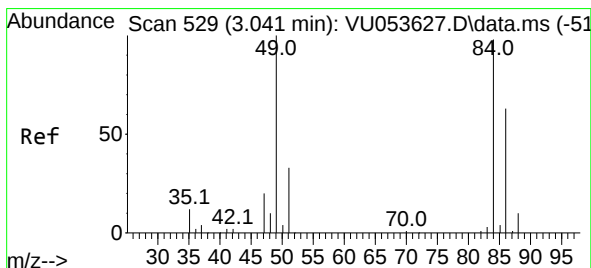
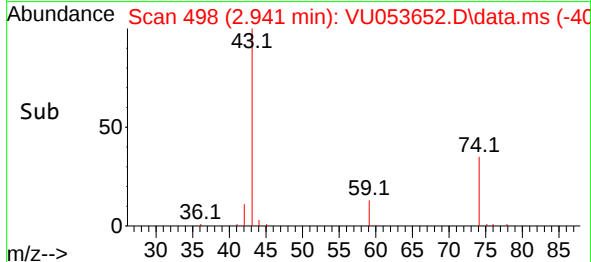
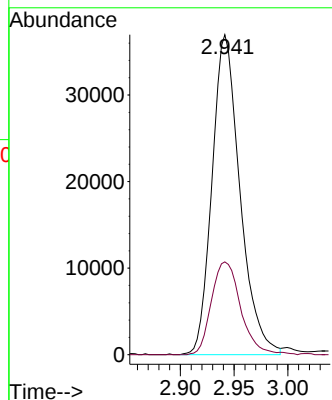
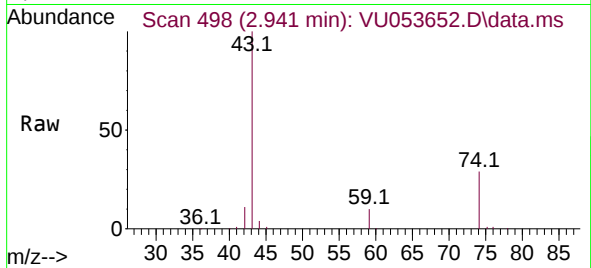




#15
Methyl Acetate
Concen: 59.079 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

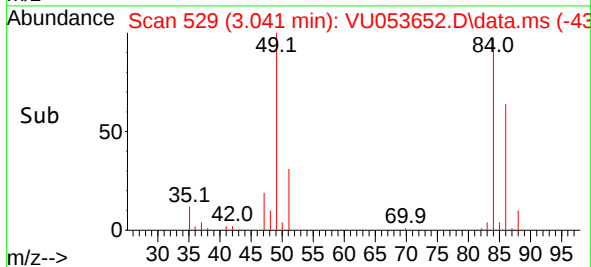
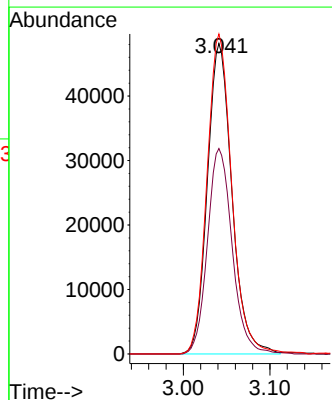
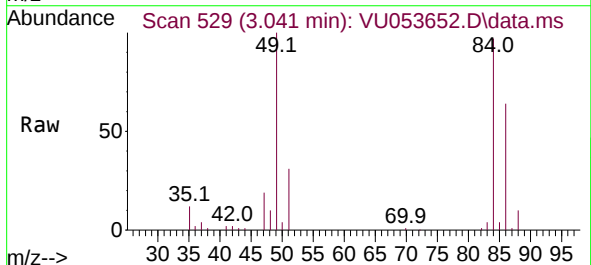
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

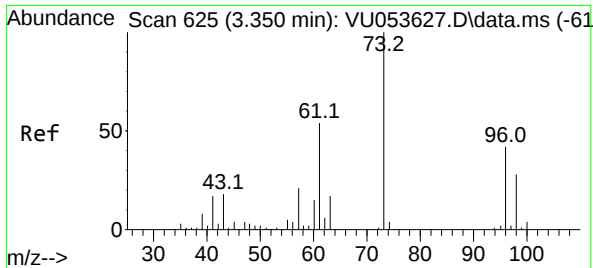
Tgt Ion: 43 Resp: 66877
Ion Ratio Lower Upper
43 100
74 30.2 22.0 33.0



#16
Methylene chloride
Concen: 59.029 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion: 84 Resp: 94963
Ion Ratio Lower Upper
84 100
86 66.1 43.5 80.9
49 103.0 69.7 129.5



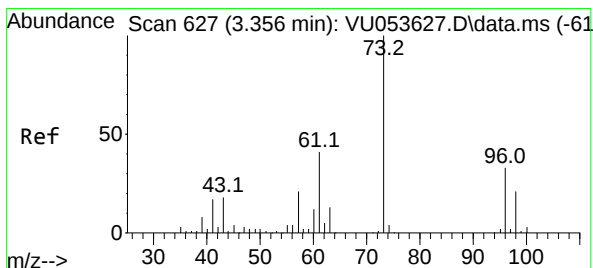
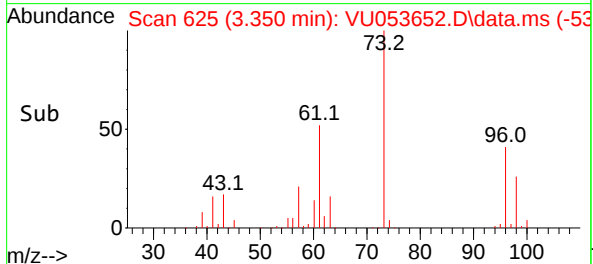
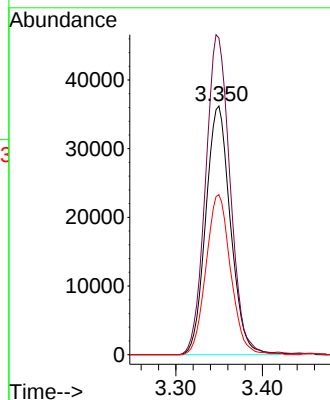
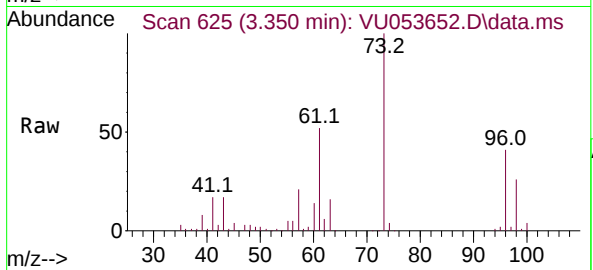


#17
 trans-1,2-Dichloroethene
 Concen: 49.979 ug/L
 RT: 3.350 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VU053652.D
 Acq: 11 Apr 2023 21:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050194

Tgt Ion: 96 Resp: 71893

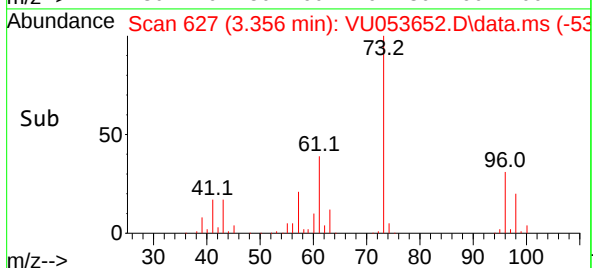
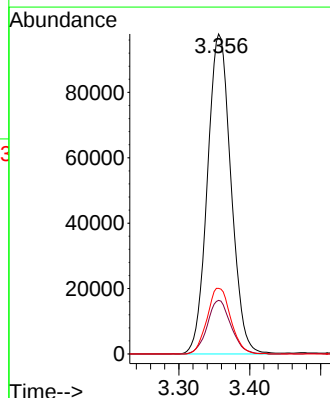
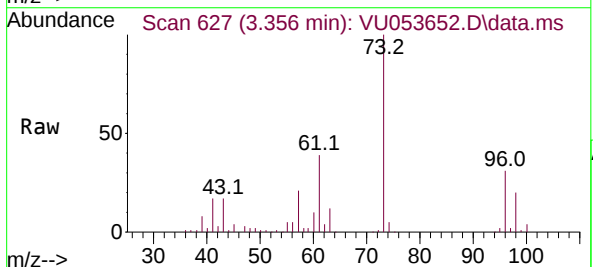
Ion	Ratio	Lower	Upper
96	100		
61	127.3	84.4	156.8
98	64.3	46.0	85.4

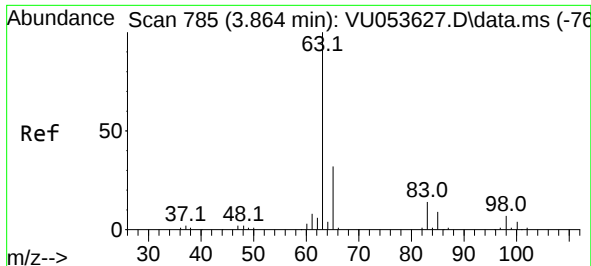


#18
 Methyl tert-butyl Ether
 Concen: 53.817 ug/L
 RT: 3.356 min Scan# 627
 Delta R.T. -0.000 min
 Lab File: VU053652.D
 Acq: 11 Apr 2023 21:55

Tgt Ion: 73 Resp: 225641

Ion	Ratio	Lower	Upper
73	100		
43	16.8	13.8	20.8
57	20.6	15.9	23.9

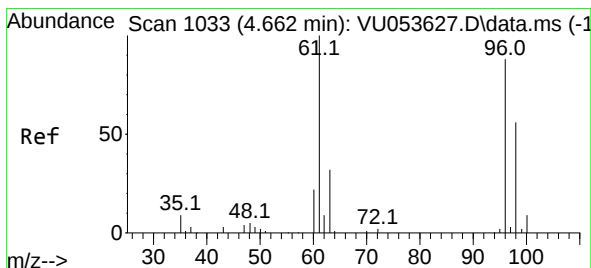
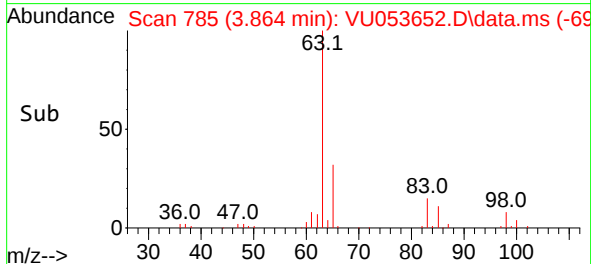
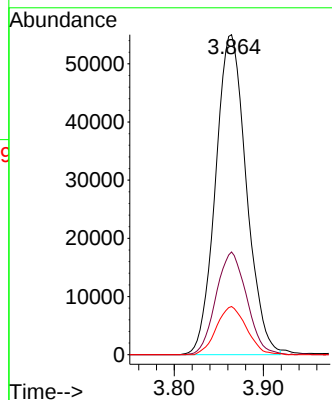
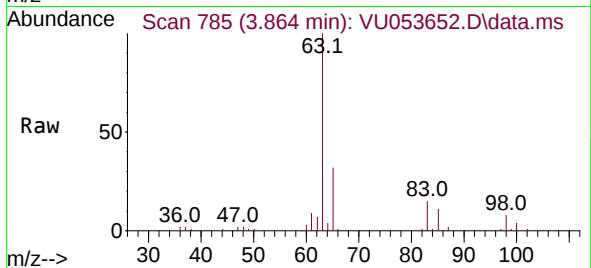




#19
1,1-Dichloroethane
Concen: 55.375 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

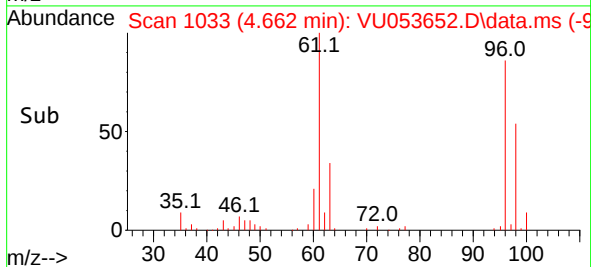
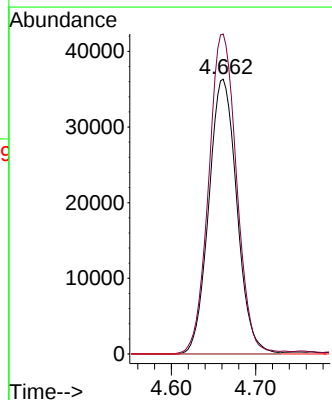
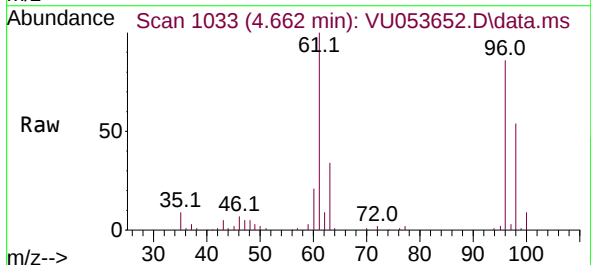
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

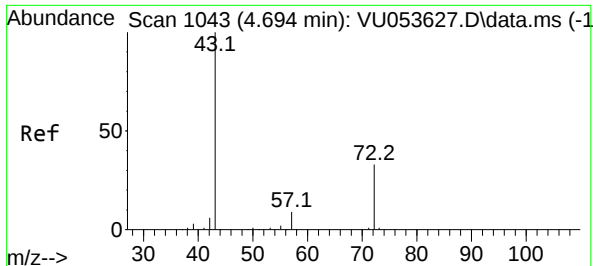
Tgt Ion: 63 Resp: 131948
Ion Ratio Lower Upper
63 100
65 32.1 22.0 41.0
83 15.1 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 50.592 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion: 96 Resp: 84058
Ion Ratio Lower Upper
96 100
61 116.5 74.7 138.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 108.108 ug/L

RT: 4.694 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

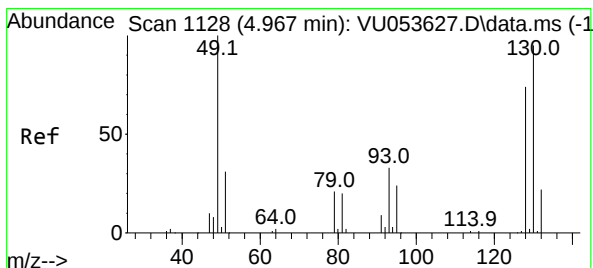
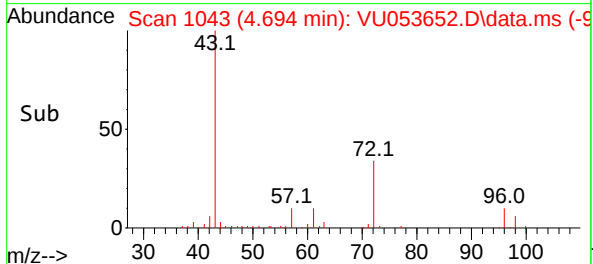
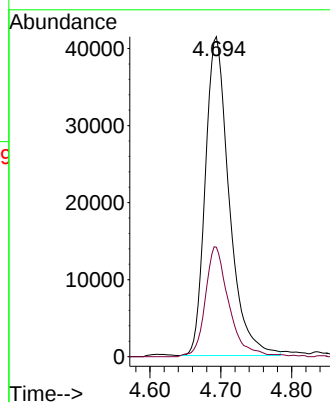
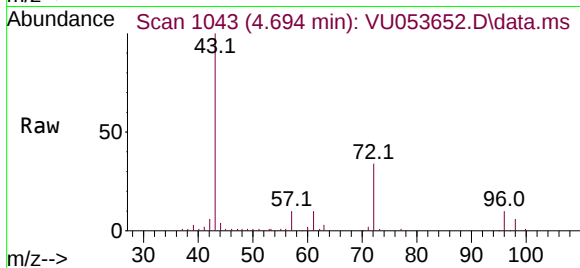
VSTD050194

Tgt Ion: 43 Resp: 96793

Ion Ratio Lower Upper

43 100

72 33.9 15.8 47.3



#23

Bromochloromethane

Concen: 49.365 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Tgt Ion:128 Resp: 45686

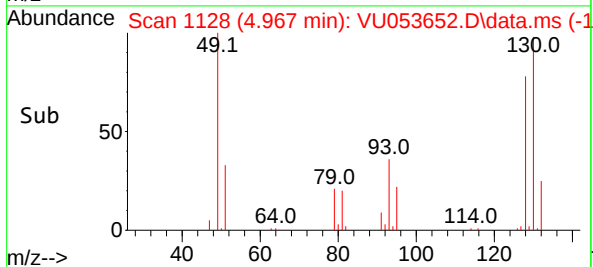
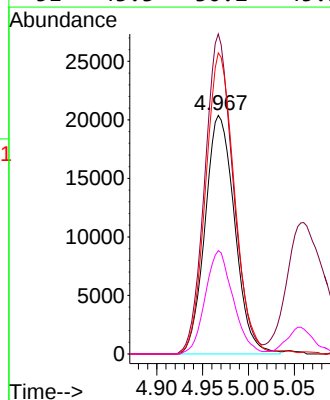
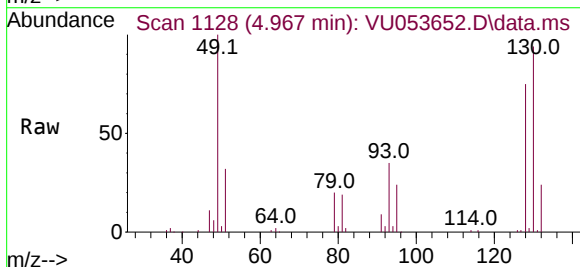
Ion Ratio Lower Upper

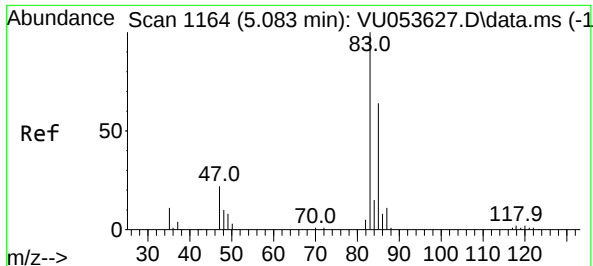
128 100

49 134.1 81.5 151.3

130 126.2 91.8 170.4

51 43.3 30.2 45.2





#25

Chloroform

Concen: 53.224 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

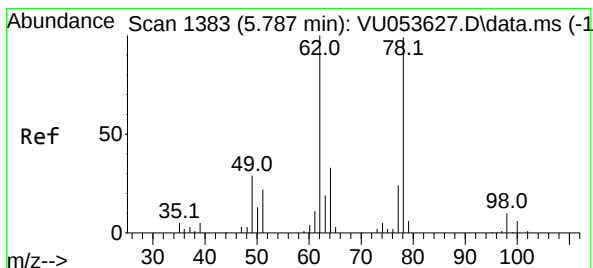
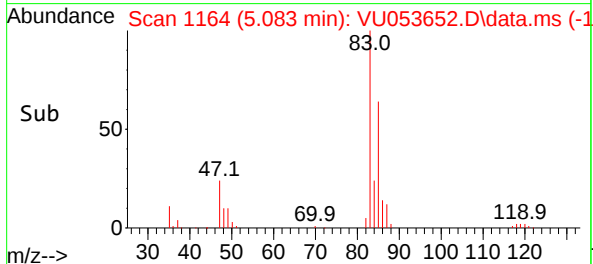
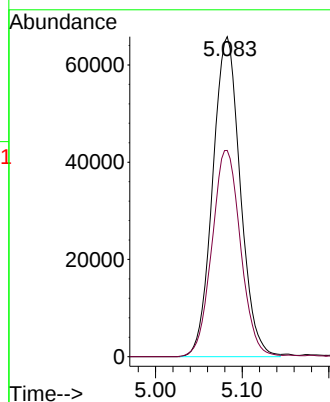
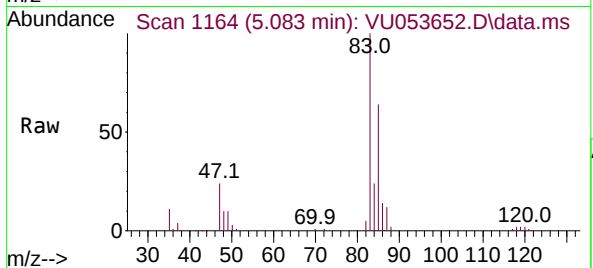
VSTD050194

Tgt Ion: 83 Resp: 145461

Ion Ratio Lower Upper

83 100

85 64.5 46.1 85.5



#27

1,2-Dichloroethane

Concen: 55.059 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053652.D

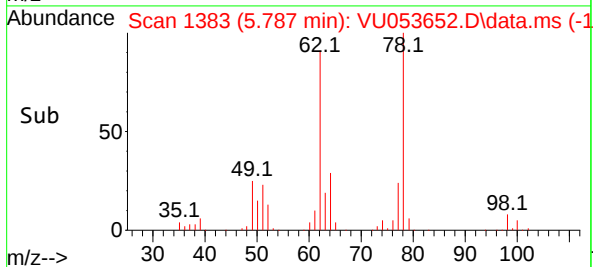
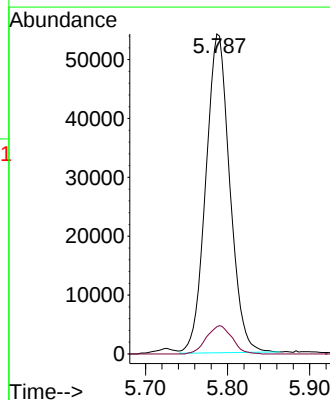
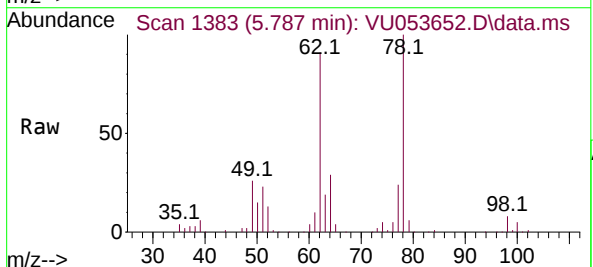
Acq: 11 Apr 2023 21:55

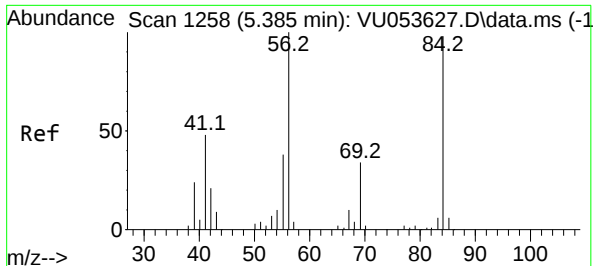
Tgt Ion: 62 Resp: 110199

Ion Ratio Lower Upper

62 100

98 8.5 8.3 12.5





#29

Cyclohexane

Concen: 50.100 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

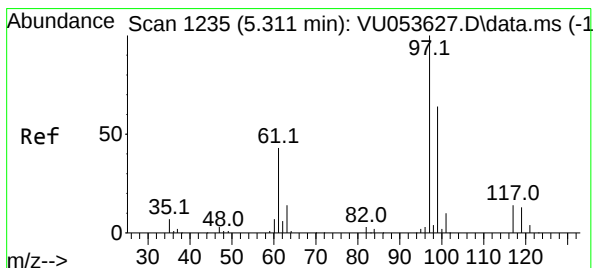
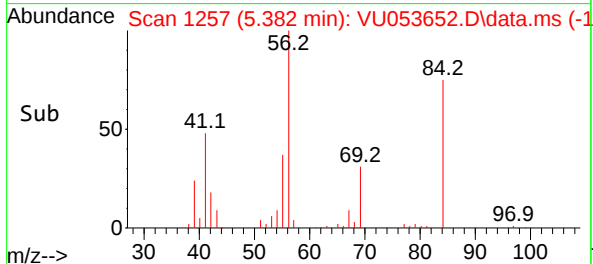
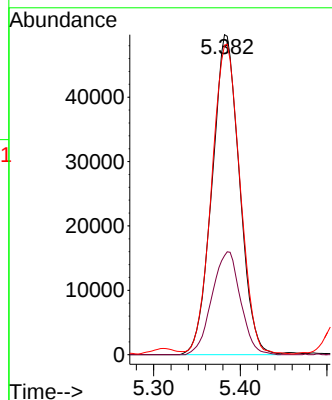
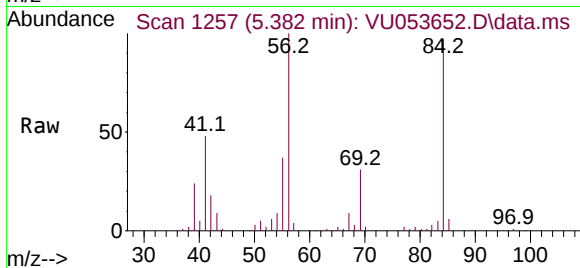
Tgt Ion: 56 Resp: 108905

Ion Ratio Lower Upper

56 100

69 33.5 27.3 40.9

84 99.4 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 50.574 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

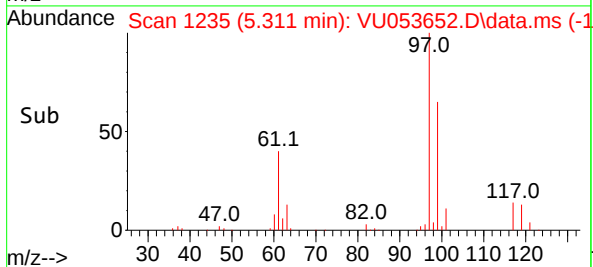
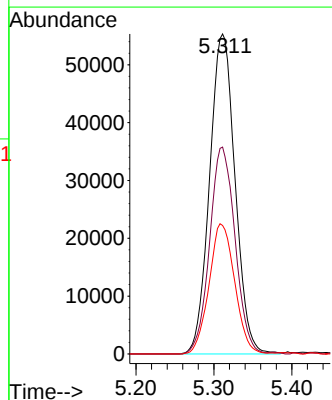
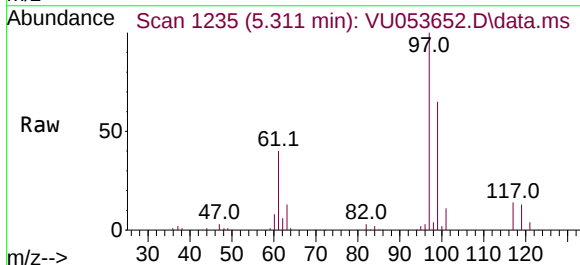
Tgt Ion: 97 Resp: 125831

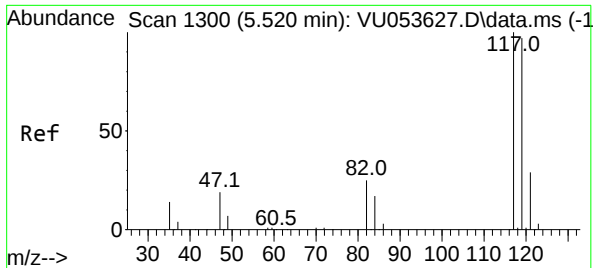
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 40.9 31.0 46.4

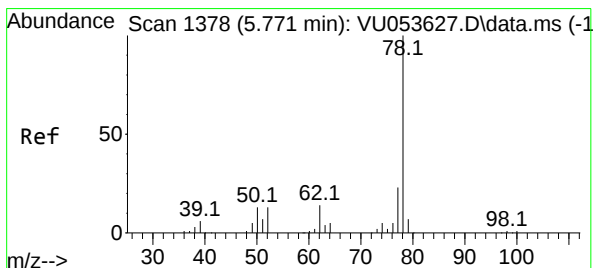
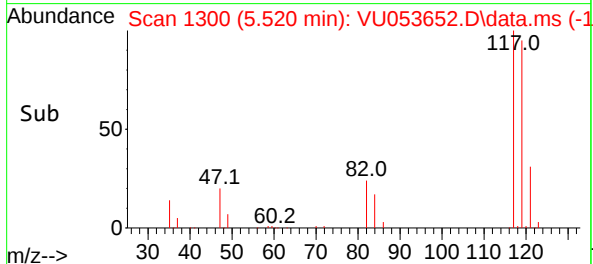
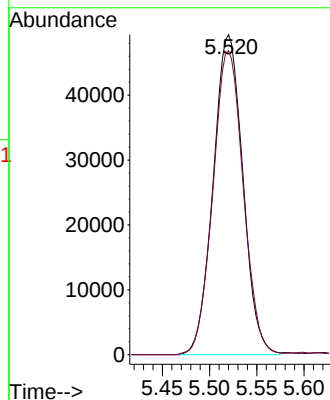
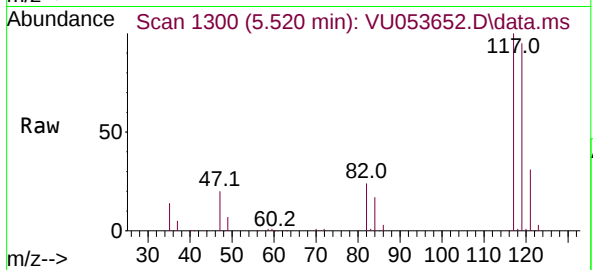




#31
Carbon tetrachloride
Concen: 48.224 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

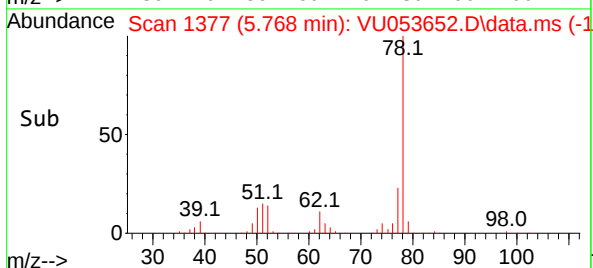
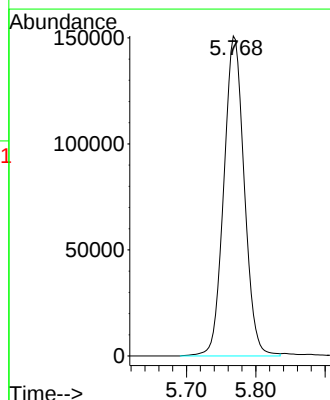
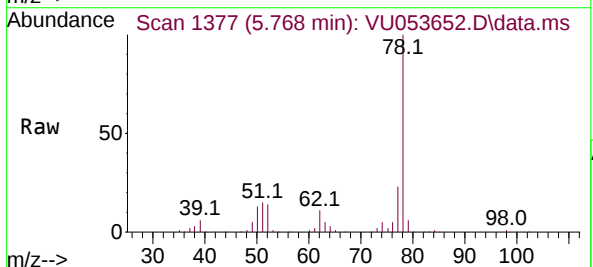
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

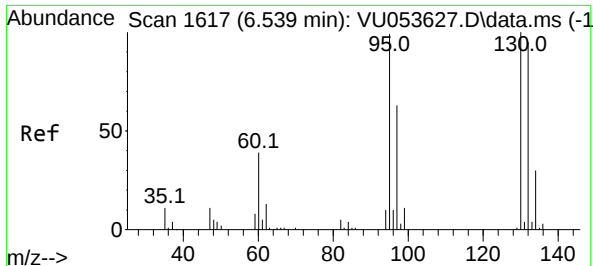
Tgt Ion:117 Resp: 107499
Ion Ratio Lower Upper
117 100
119 97.1 76.9 115.3



#33
Benzene
Concen: 52.606 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion: 78 Resp: 309488



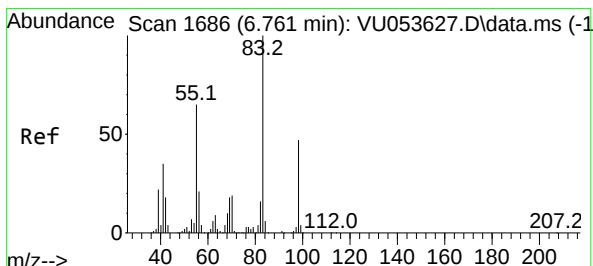
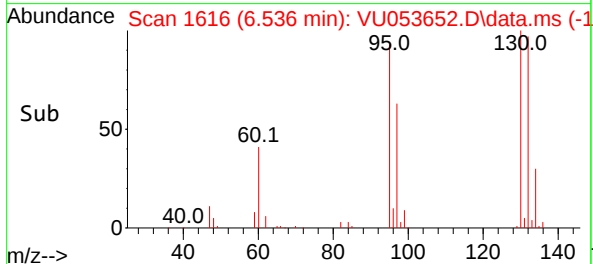
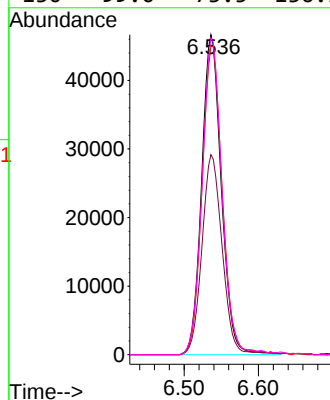
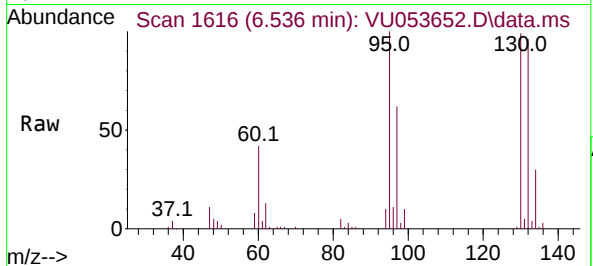


#34
Trichloroethene
Concen: 48.269 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

Tgt Ion: 95 Resp: 85888

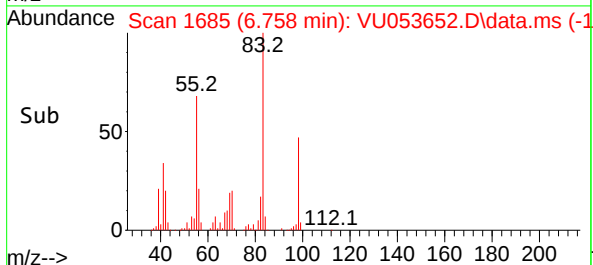
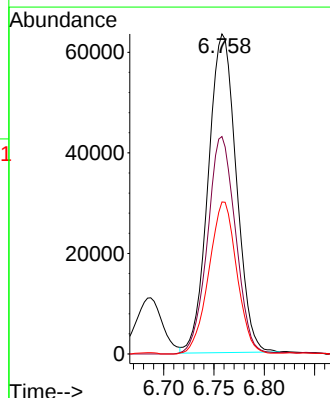
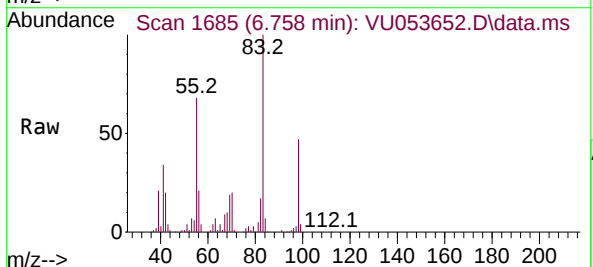
Ion	Ratio	Lower	Upper
95	100		
97	62.5	45.1	83.7
132	96.4	74.1	137.5
130	99.0	73.5	136.5

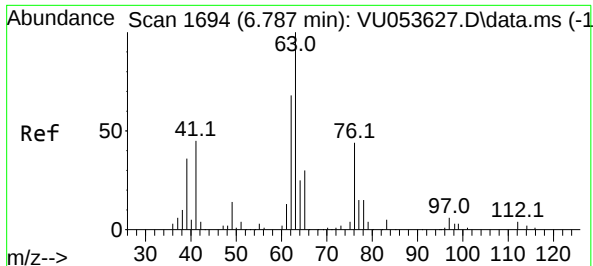


#35
Methylcyclohexane
Concen: 47.093 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion: 83 Resp: 123174

Ion	Ratio	Lower	Upper
83	100		
55	68.3	53.0	79.6
98	47.6	39.0	58.6

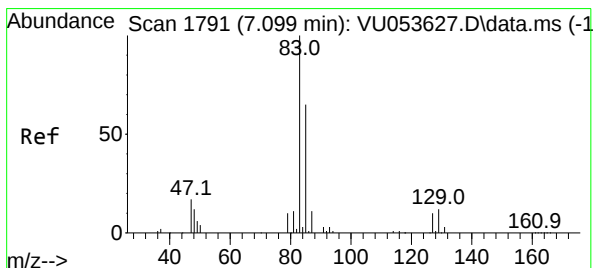
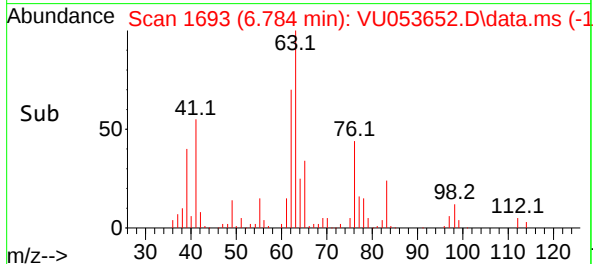
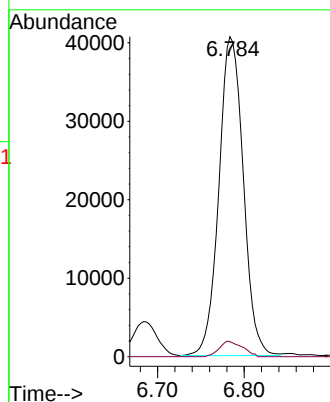
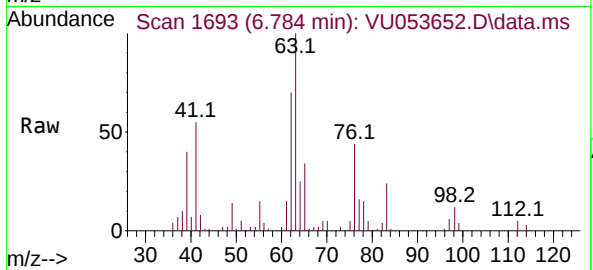




#37
1,2-Dichloropropane
Concen: 53.190 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

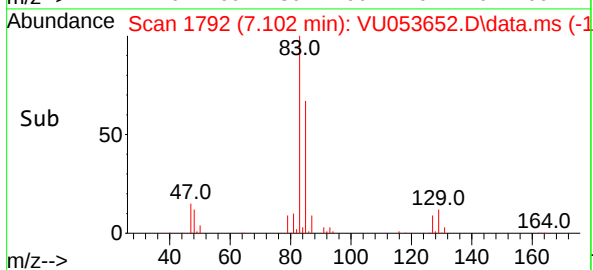
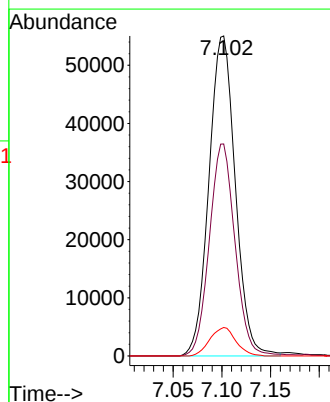
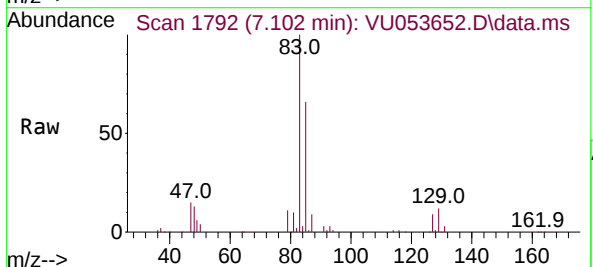
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

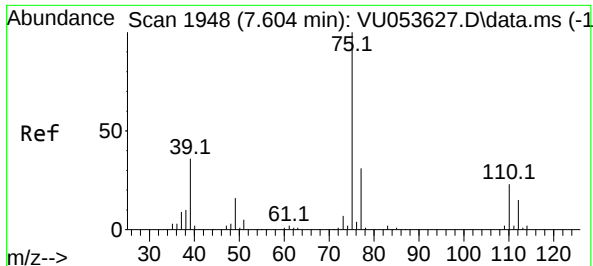
Tgt Ion: 63 Resp: 79457
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.6



#38
Bromodichloromethane
Concen: 52.059 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion: 83 Resp: 103744
Ion Ratio Lower Upper
83 100
85 66.3 44.4 82.5
127 8.9 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 52.814 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

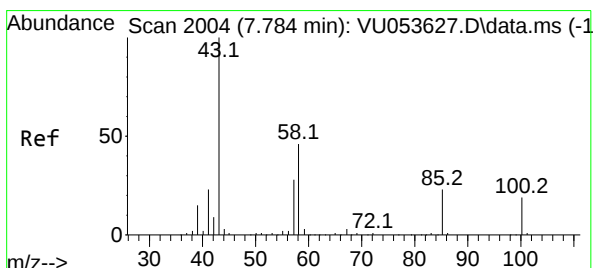
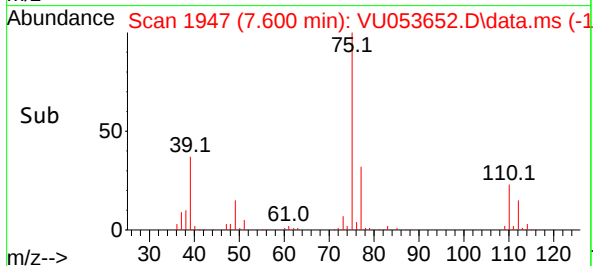
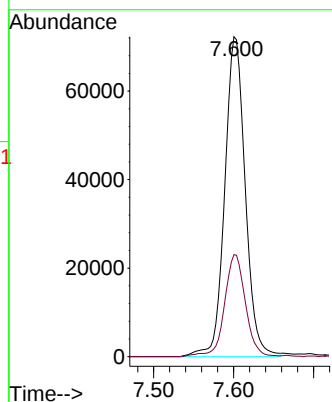
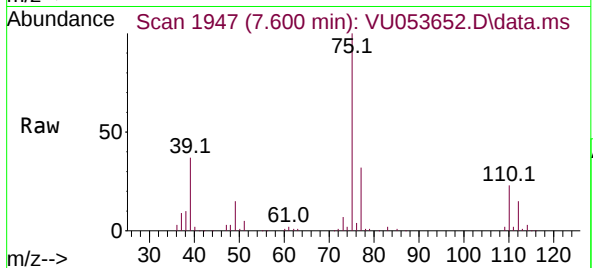
VSTD050194

Tgt Ion: 75 Resp: 128925

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 115.600 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

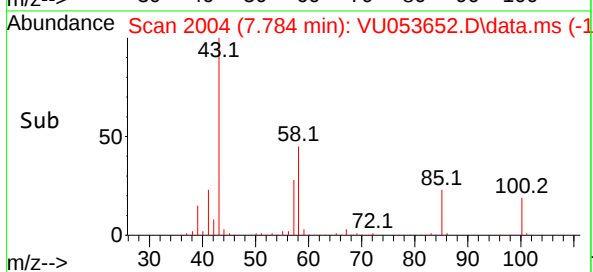
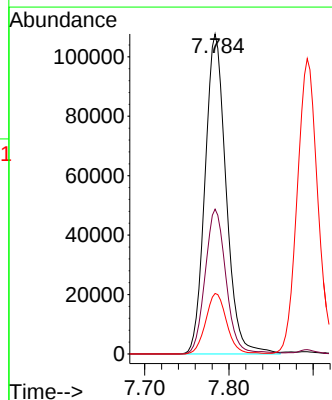
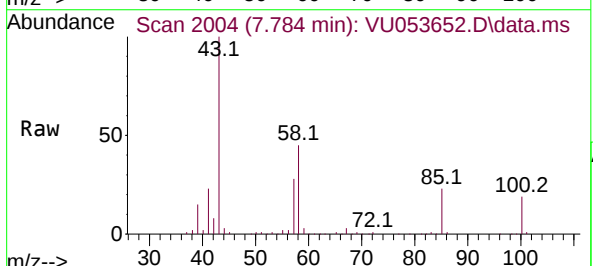
Tgt Ion: 43 Resp: 187656

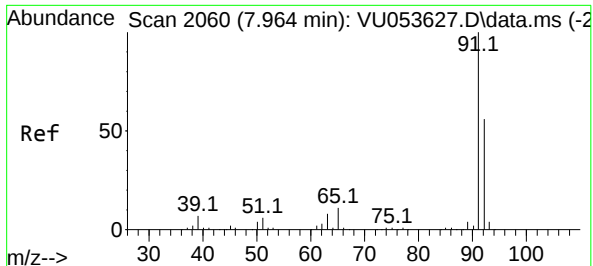
Ion Ratio Lower Upper

43 100

58 44.6 35.5 53.3

100 18.6 15.8 23.8





#42

Toluene

Concen: 50.741 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

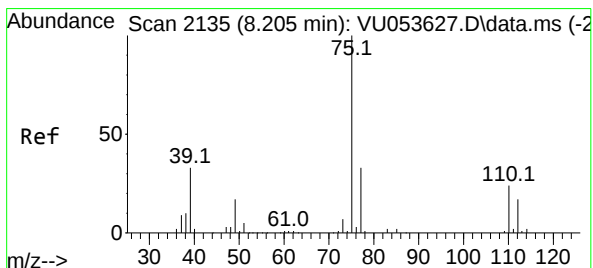
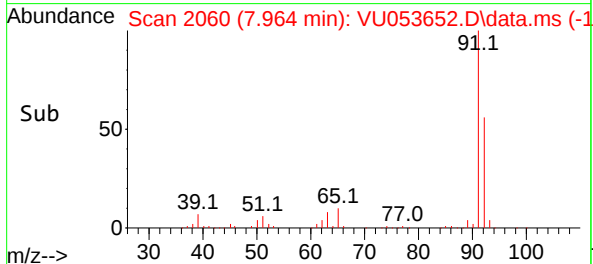
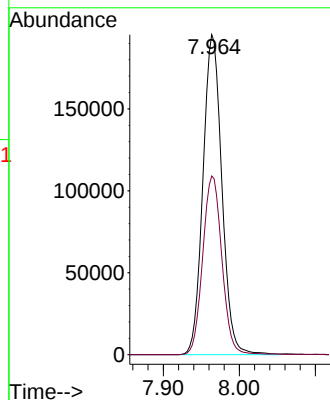
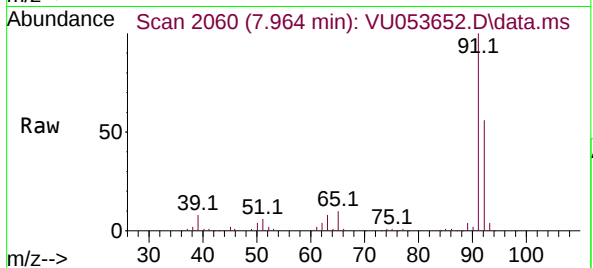
VSTD050194

Tgt Ion: 91 Resp: 338296

Ion Ratio Lower Upper

91 100

92 55.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 53.090 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053652.D

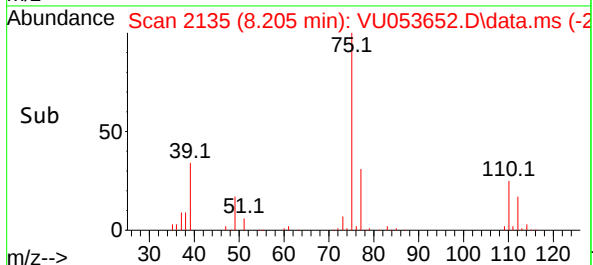
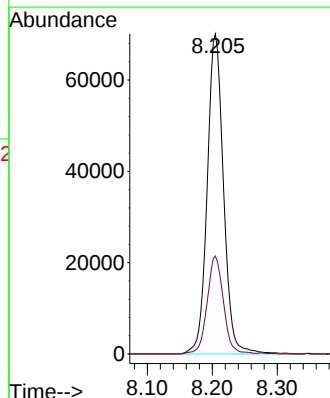
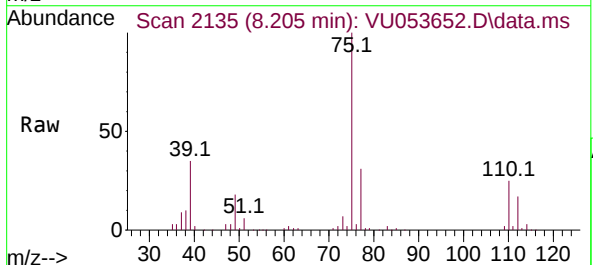
Acq: 11 Apr 2023 21:55

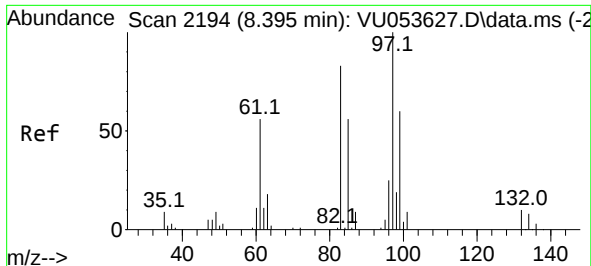
Tgt Ion: 75 Resp: 122517

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.4

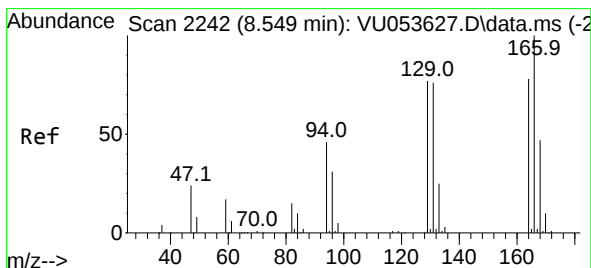
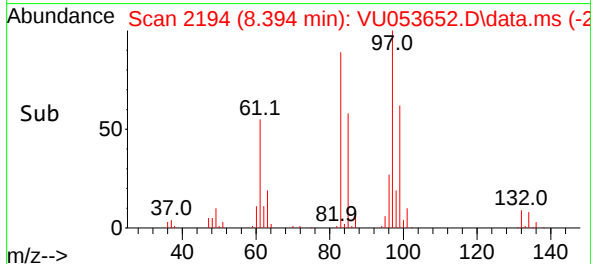
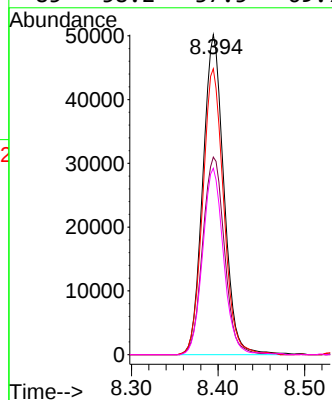
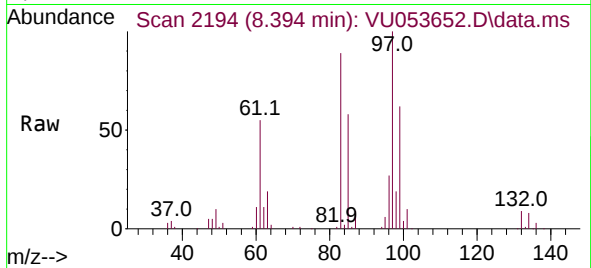




#45
1,1,2-Trichloroethane
Concen: 51.651 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

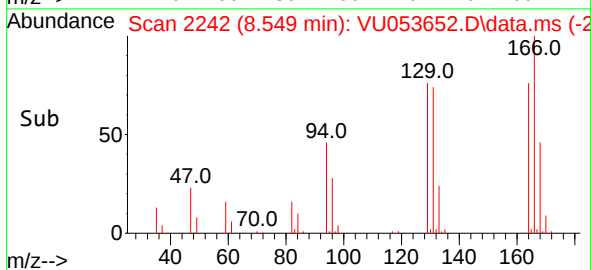
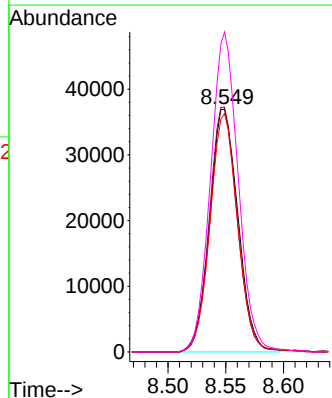
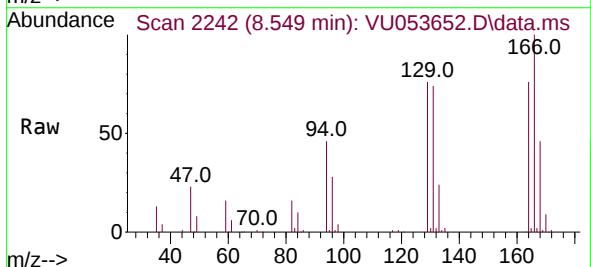
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

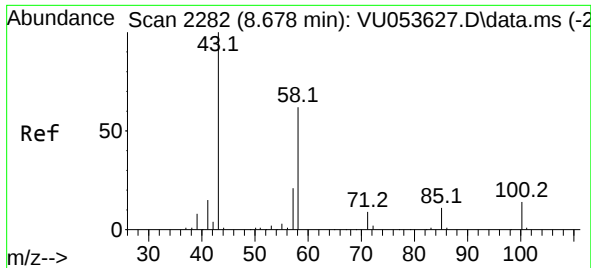
Tgt Ion:	97	Resp:	84713
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.8	81.3
83	89.3	59.0	109.6
85	58.2	37.5	69.7



#46
Tetrachloroethene
Concen: 42.466 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion:	164	Resp:	62704
Ion	Ratio	Lower	Upper
164	100		
129	100.8	64.0	119.0
131	98.2	61.9	115.1
166	131.8	90.6	168.2





#48

2-Hexanone

Concen: 111.073 ug/L

RT: 8.677 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

Tgt Ion: 43 Resp: 145854

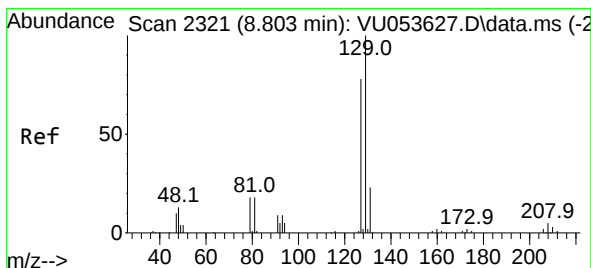
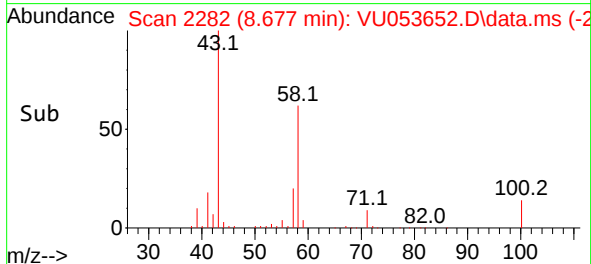
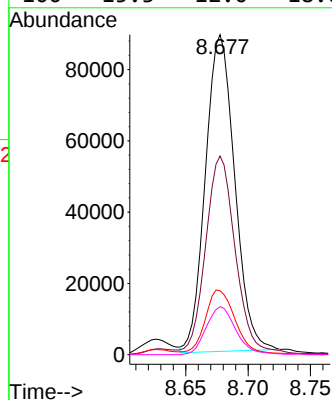
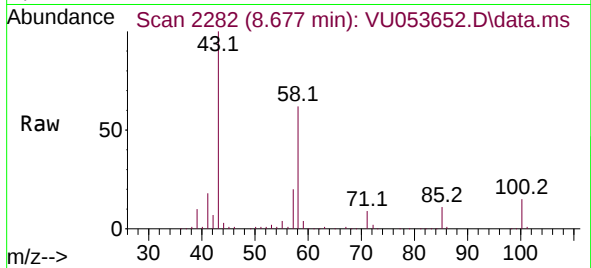
Ion Ratio Lower Upper

43 100

58 64.2 49.8 74.6

57 21.1 17.8 26.6

100 15.3 12.0 18.0



#49

Dibromochloromethane

Concen: 48.050 ug/L

RT: 8.803 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VU053652.D

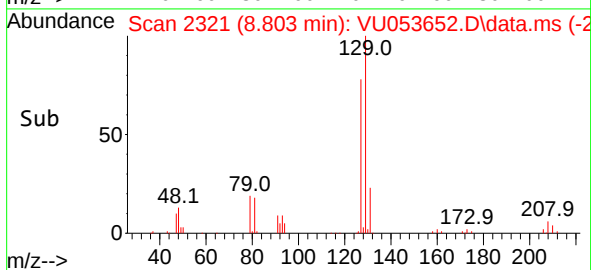
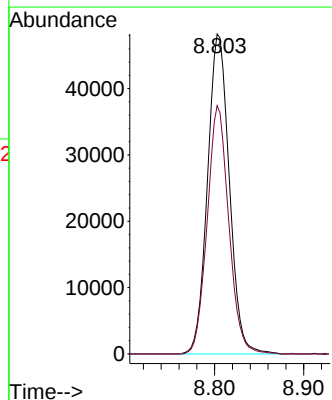
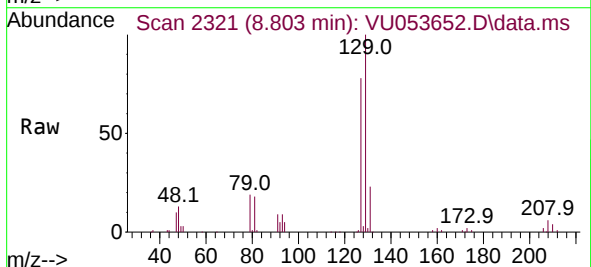
Acq: 11 Apr 2023 21:55

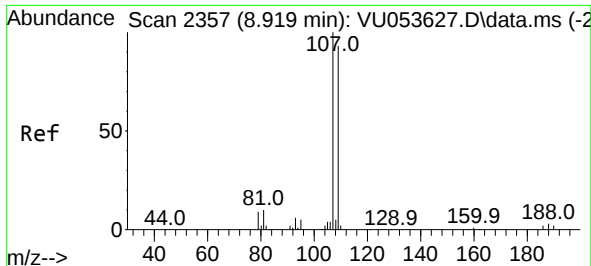
Tgt Ion: 129 Resp: 81944

Ion Ratio Lower Upper

129 100

127 77.6 53.5 99.3





#50

1,2-Dibromoethane

Concen: 51.320 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

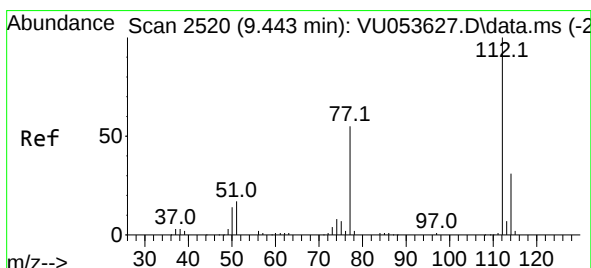
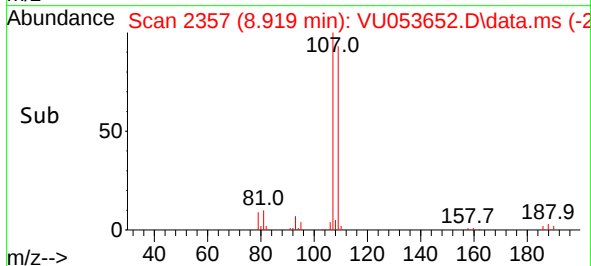
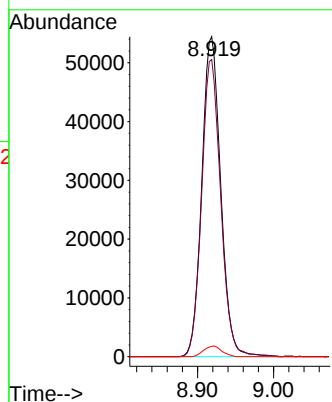
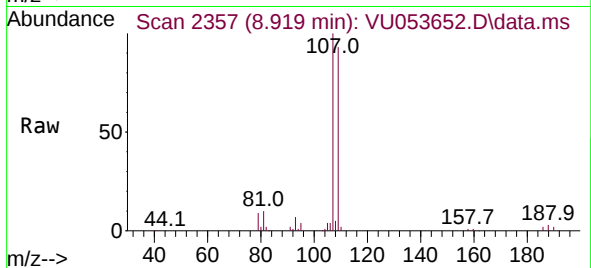
Tgt Ion:107 Resp: 94170

Ion Ratio Lower Upper

107 100

109 92.8 66.3 123.1

188 3.2 3.0 4.4



#51

Chlorobenzene

Concen: 49.606 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

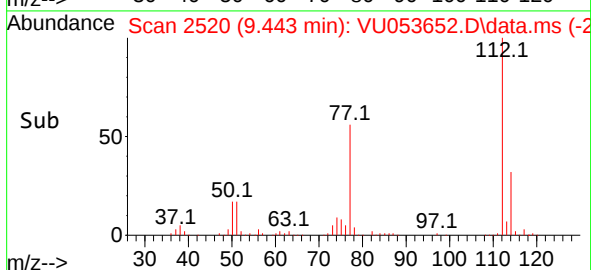
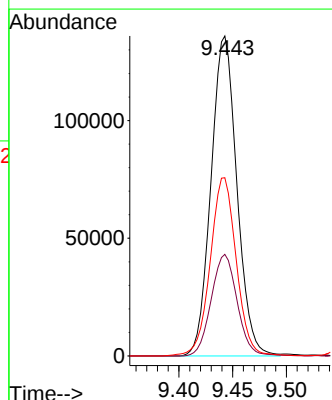
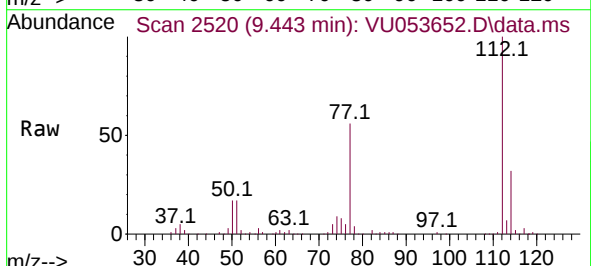
Tgt Ion:112 Resp: 227868

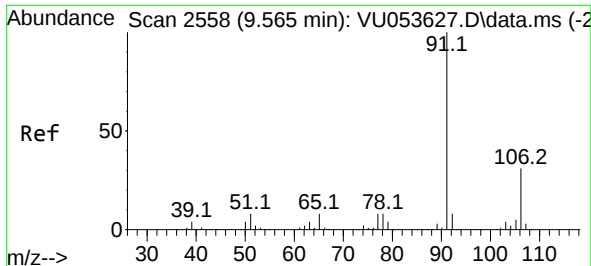
Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

77 55.7 41.3 61.9

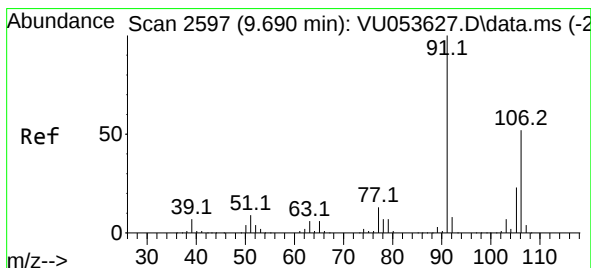
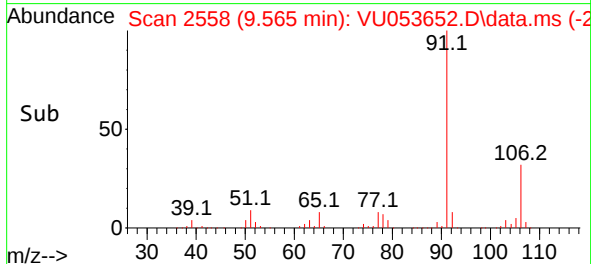
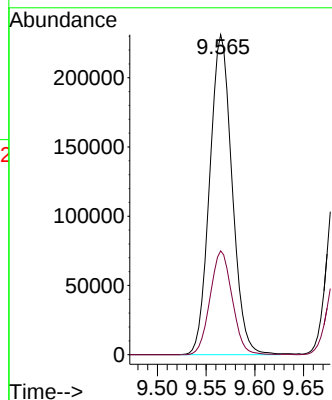
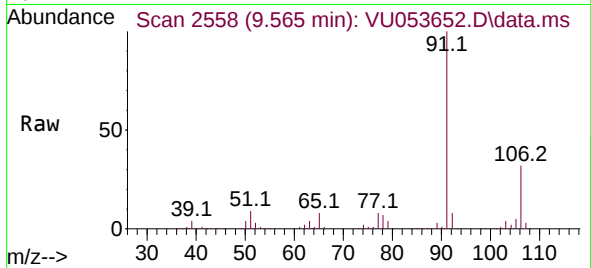




#52
Ethylbenzene
Concen: 49.646 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

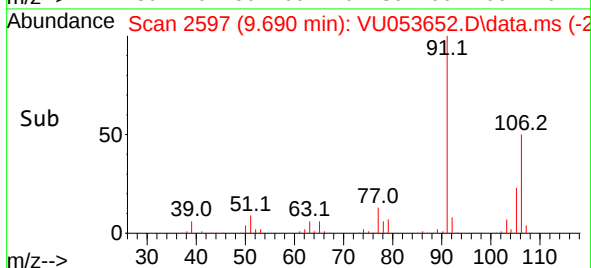
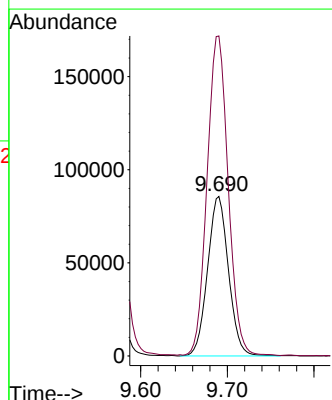
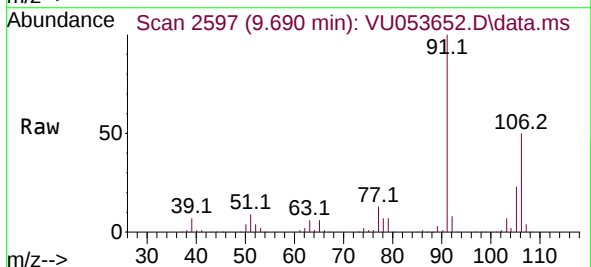
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

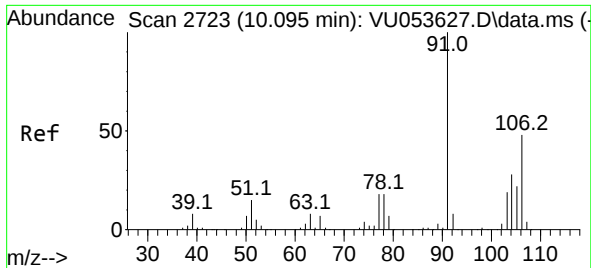
Tgt Ion: 91 Resp: 368458
Ion Ratio Lower Upper
91 100
106 32.5 22.4 41.6



#53
m,p-Xylene
Concen: 49.590 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion: 106 Resp: 143941
Ion Ratio Lower Upper
106 100
91 200.5 140.0 260.0

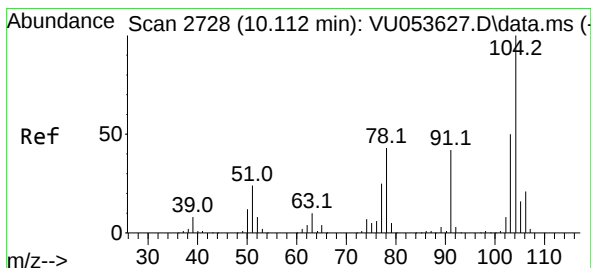
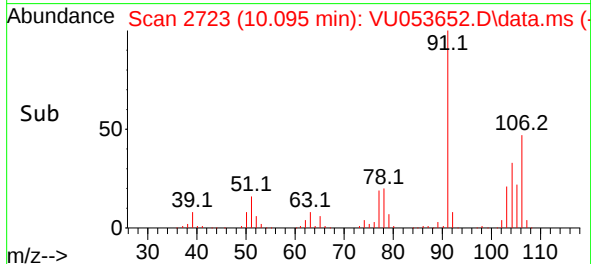
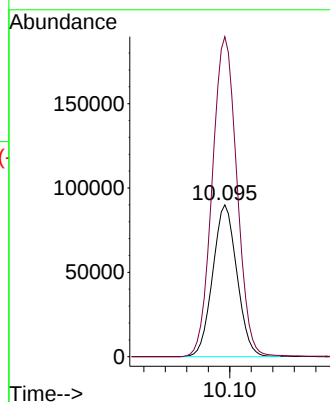
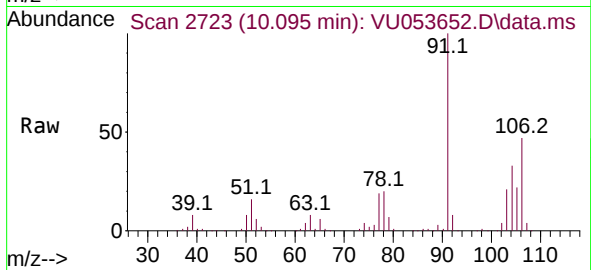




#54
o-Xylene
Concen: 49.053 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

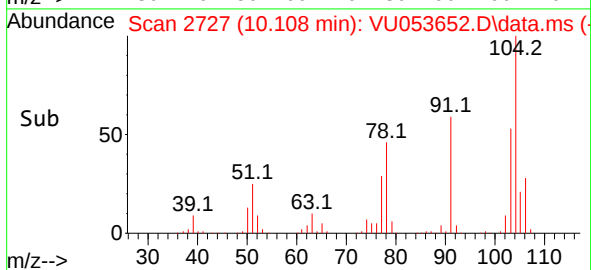
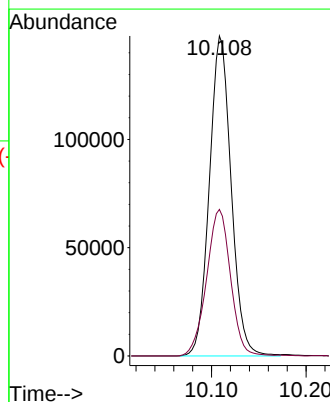
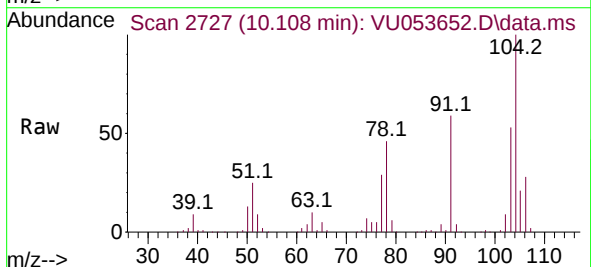
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

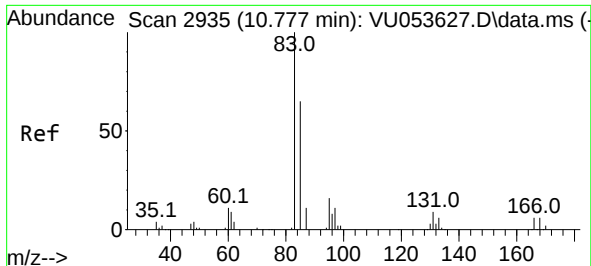
Tgt Ion:106 Resp: 140772
Ion Ratio Lower Upper
106 100
91 210.7 144.9 269.1



#55
Styrene
Concen: 50.714 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion:104 Resp: 237056
Ion Ratio Lower Upper
104 100
78 45.8 31.3 58.1

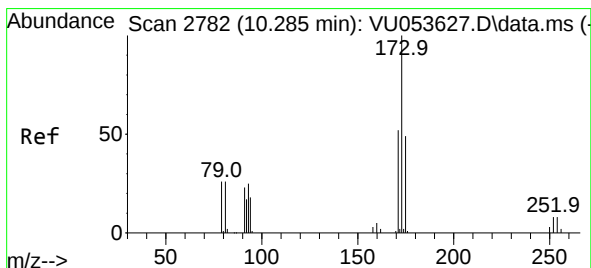
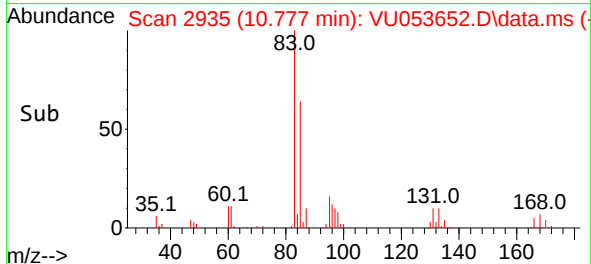
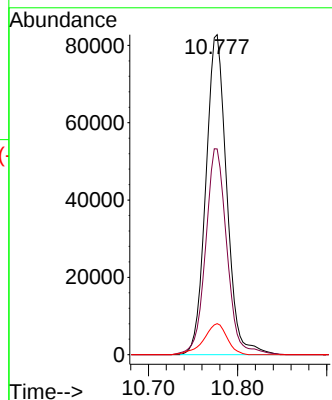
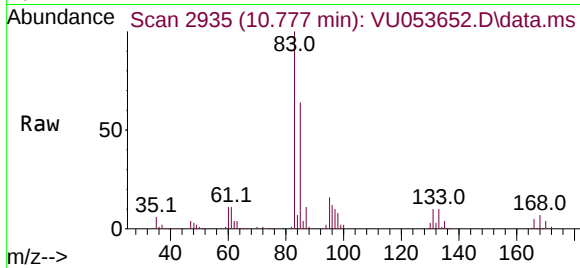




#57
1,1,2,2-Tetrachloroethane
Concen: 55.753 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

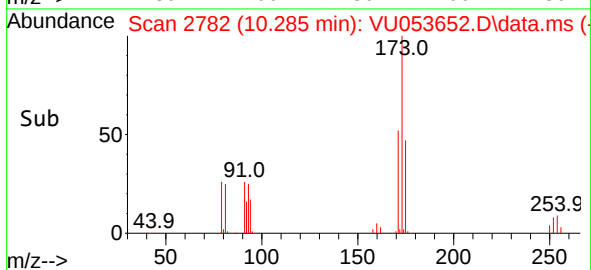
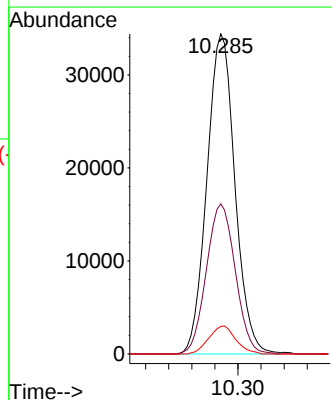
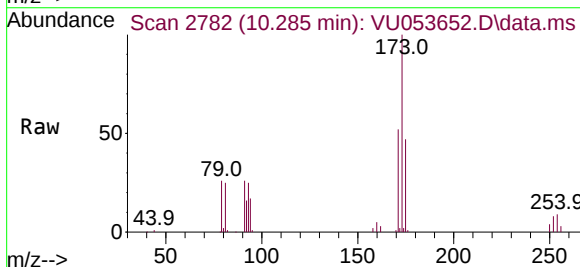
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

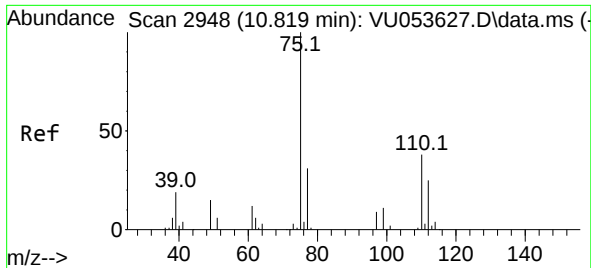
Tgt Ion: 83 Resp: 134257
Ion Ratio Lower Upper
83 100
85 64.3 47.0 87.4
131 9.7 8.7 13.1



#59
Bromoform
Concen: 45.484 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion:173 Resp: 57979
Ion Ratio Lower Upper
173 100
175 48.3 39.0 58.6
254 8.4 7.0 10.4

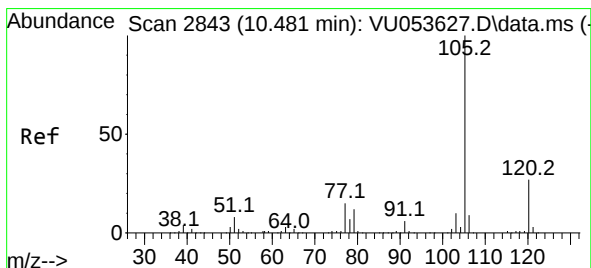
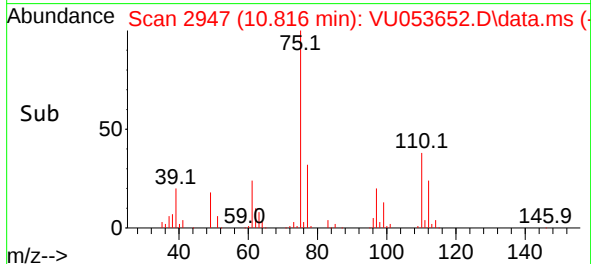
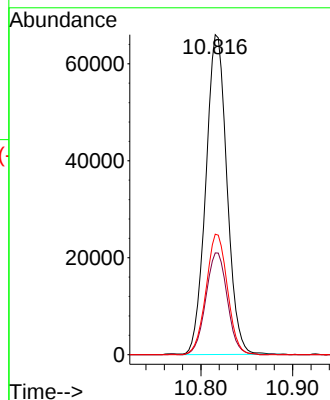
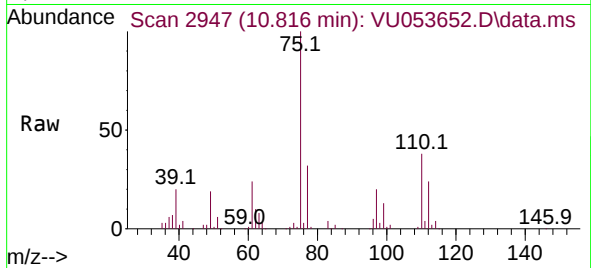




#60
1,2,3-Trichloropropane
Concen: 58.416 ug/L
RT: 10.816 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

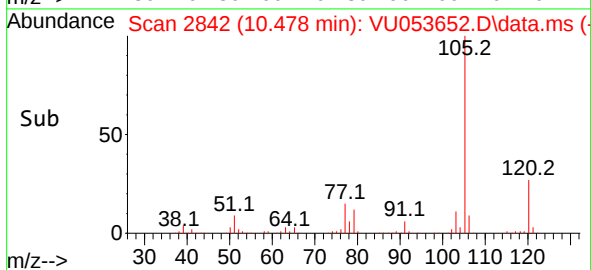
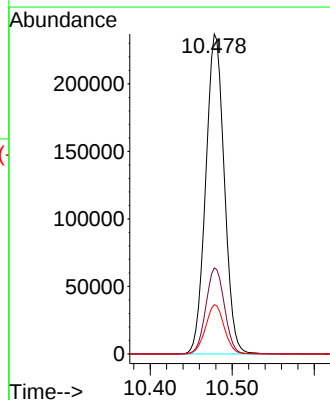
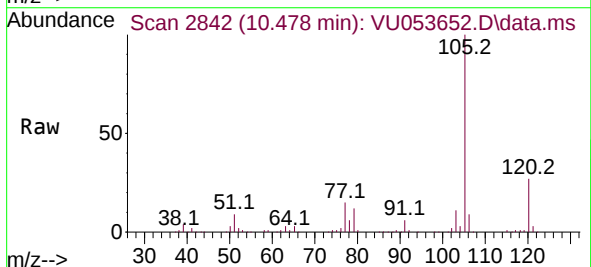
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

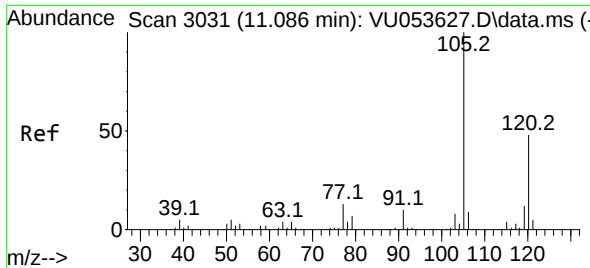
Tgt Ion: 75 Resp: 105485
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 38.2 32.6 48.8



#61
Isopropylbenzene
Concen: 50.492 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion: 105 Resp: 371774
Ion Ratio Lower Upper
105 100
120 26.9 22.4 33.6
77 15.5 12.1 18.1

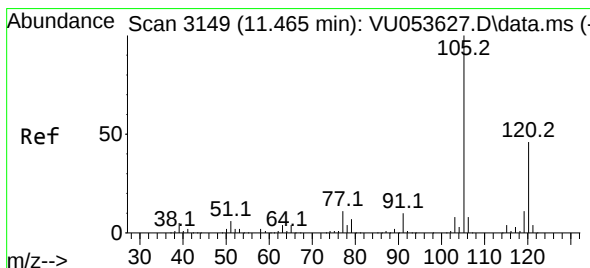
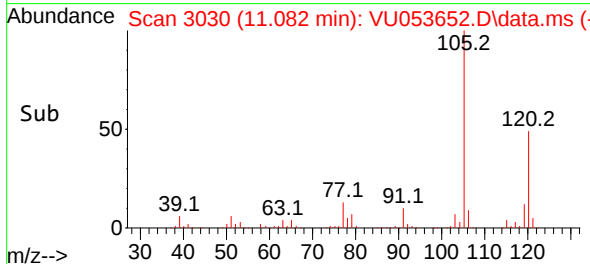
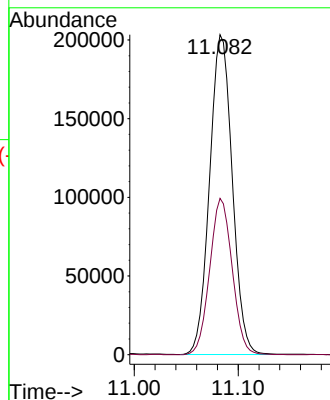
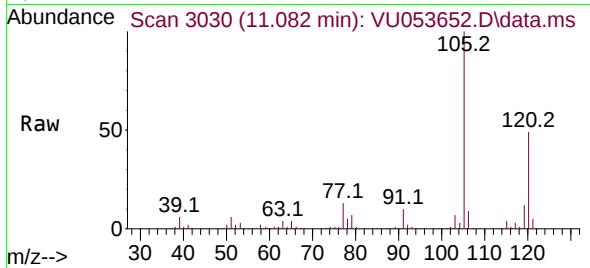




#62
1,3,5-Trimethylbenzene
Concen: 50.343 ug/L
RT: 11.082 min Scan# 3031
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

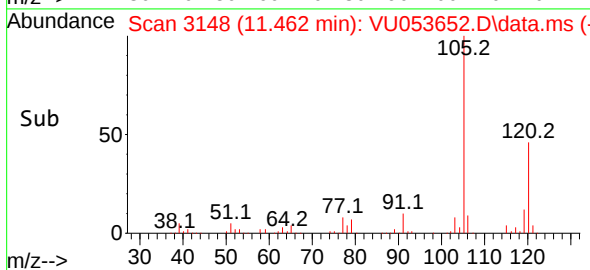
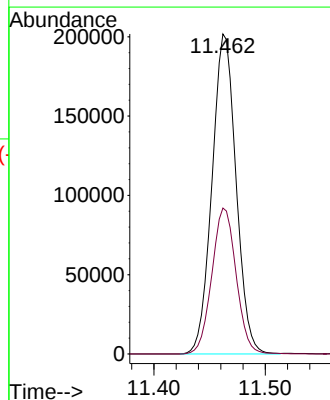
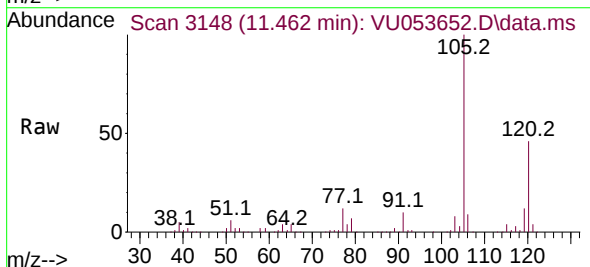
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

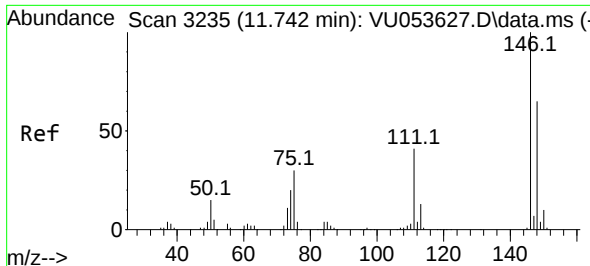
Tgt Ion:105 Resp: 308143
Ion Ratio Lower Upper
105 100
120 48.4 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 49.914 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.003 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion:105 Resp: 302594
Ion Ratio Lower Upper
105 100
120 46.0 37.5 56.3

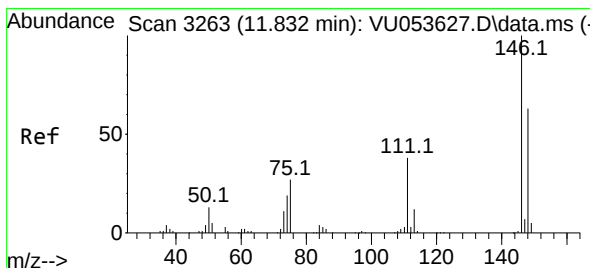
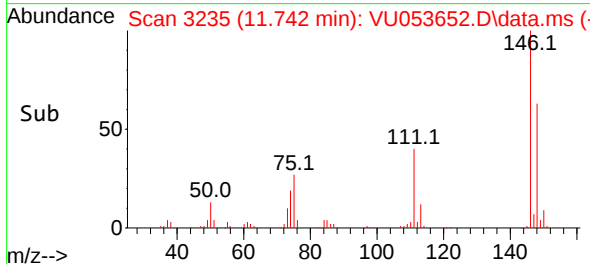
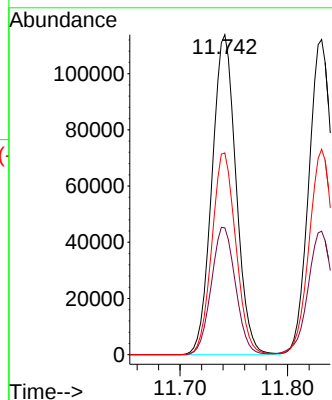
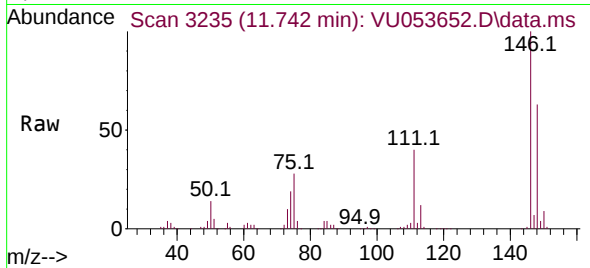




#64
1,3-Dichlorobenzene
Concen: 46.119 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

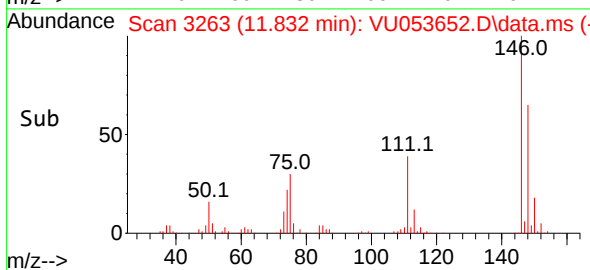
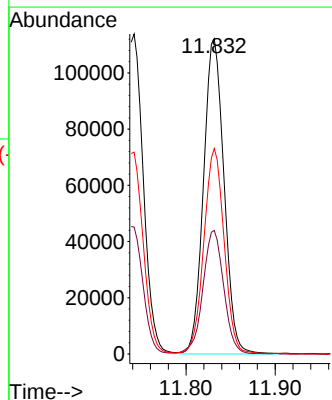
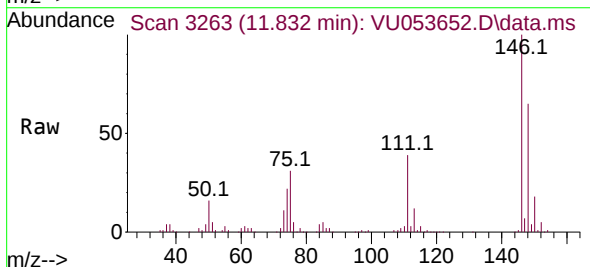
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

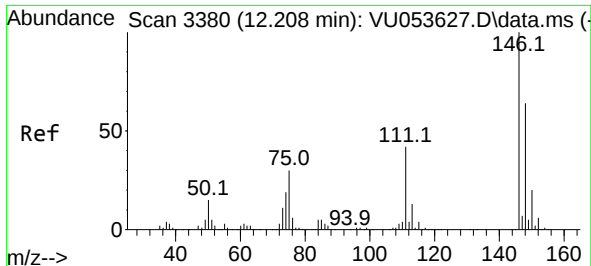
Tgt Ion:146 Resp: 177437
Ion Ratio Lower Upper
146 100
111 39.6 25.7 47.7
148 63.0 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 45.635 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053652.D
Acq: 11 Apr 2023 21:55

Tgt Ion:146 Resp: 178946
Ion Ratio Lower Upper
146 100
111 39.2 25.1 46.5
148 65.2 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 46.597 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

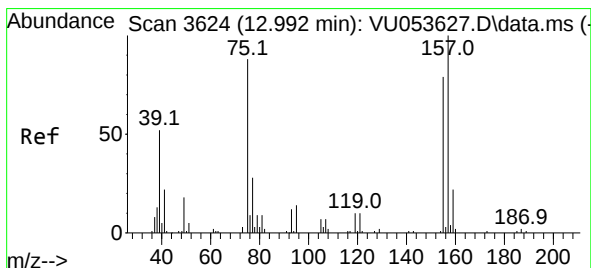
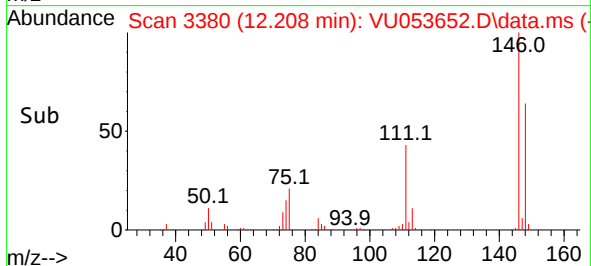
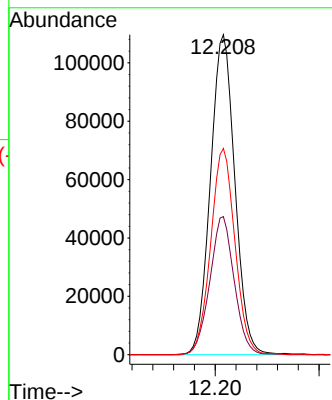
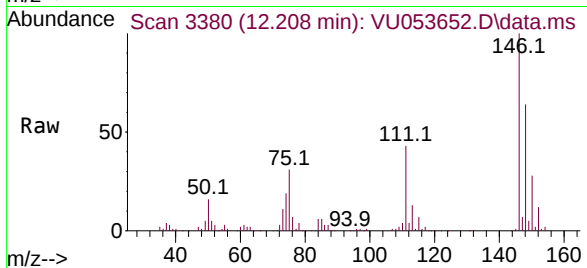
Tgt Ion:146 Resp: 178674

Ion Ratio Lower Upper

146 100

111 43.2 31.5 47.3

148 64.5 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 56.191 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

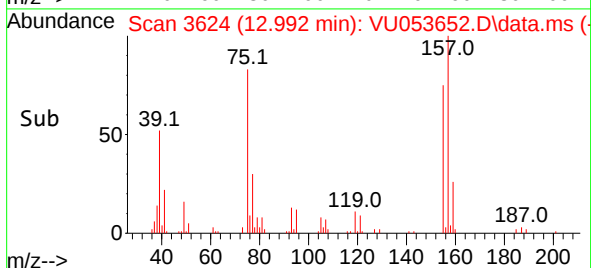
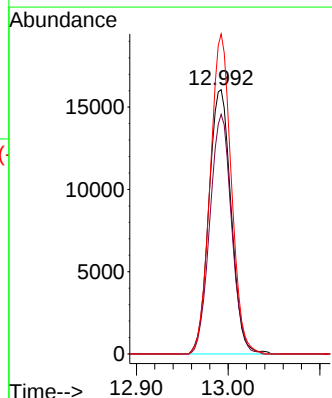
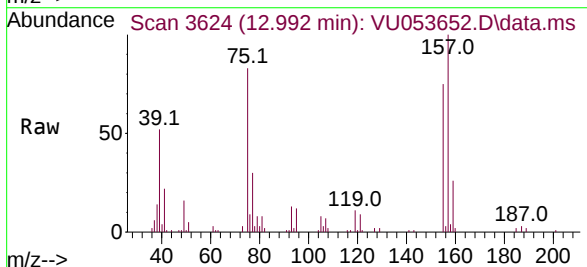
Tgt Ion: 75 Resp: 27050

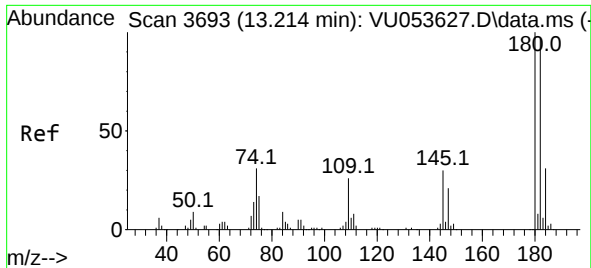
Ion Ratio Lower Upper

75 100

155 90.6 79.9 119.9

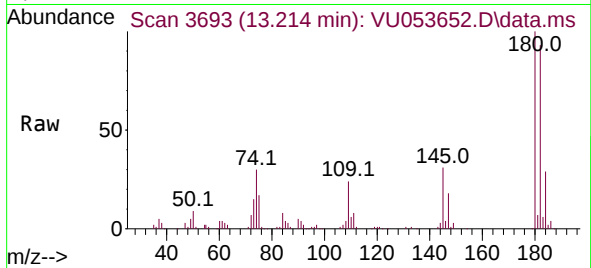
157 121.1 100.8 151.2



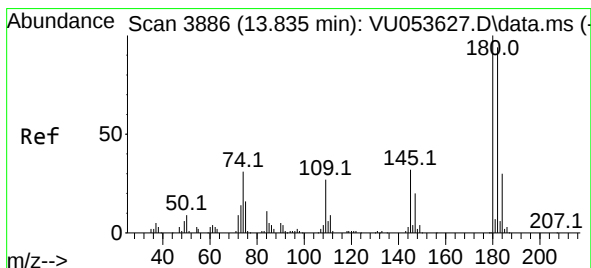
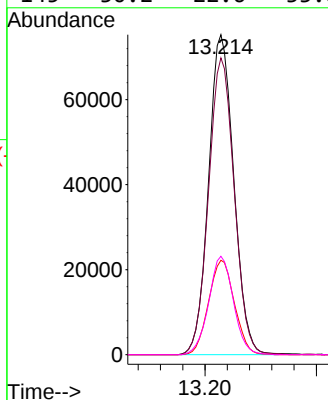
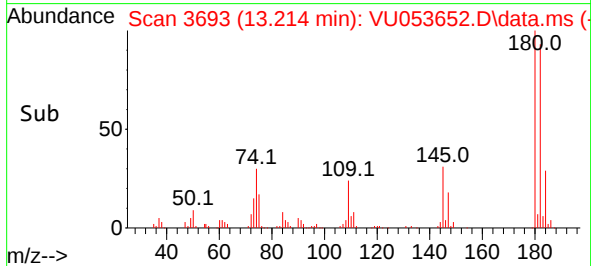


#69
 1,3,5-Trichlorobenzene
 Concen: 41.468 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU053652.D
 Acq: 11 Apr 2023 21:55

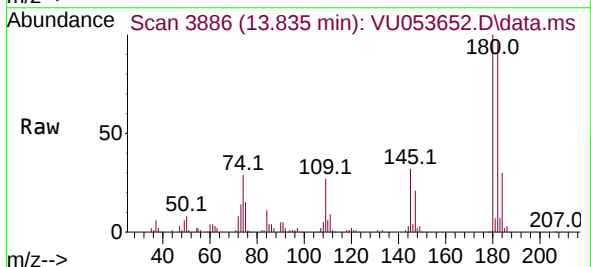
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050194



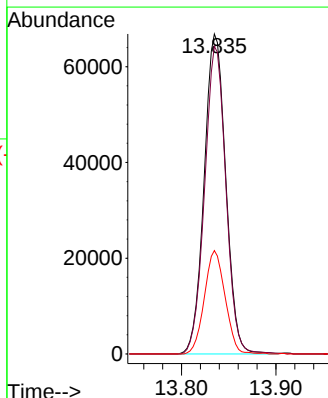
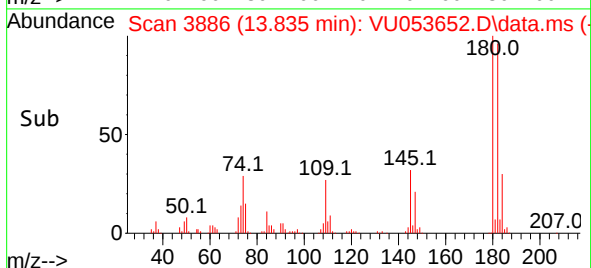
Tgt Ion:180 Resp: 118145
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.6 113.4
 184 30.2 24.2 36.2
 145 30.2 22.6 33.8

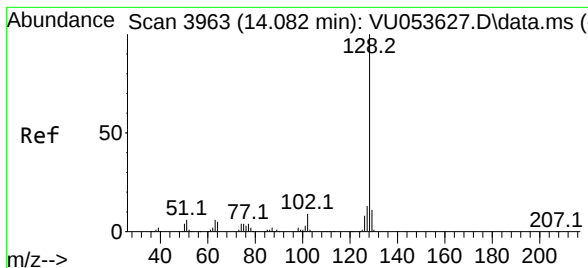


#70
 1,2,4-trichlorobenzene
 Concen: 40.204 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU053652.D
 Acq: 11 Apr 2023 21:55



Tgt Ion:180 Resp: 106199
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.8 113.8
 145 30.9 23.4 35.2





#71

Naphthalene

Concen: 45.677 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

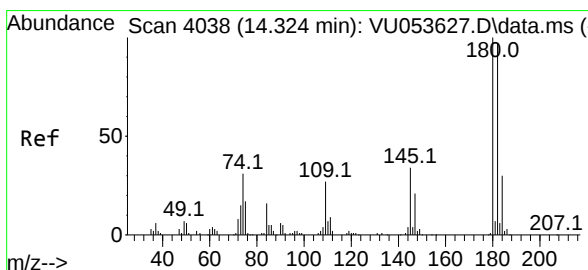
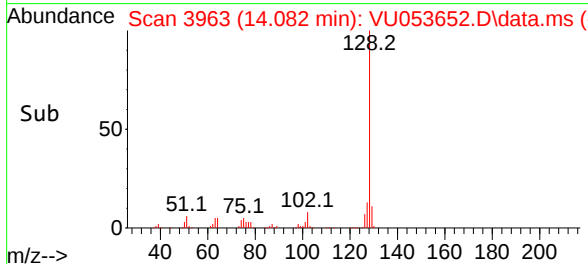
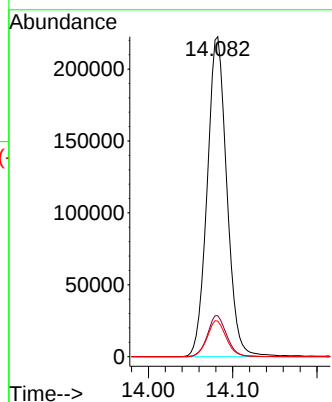
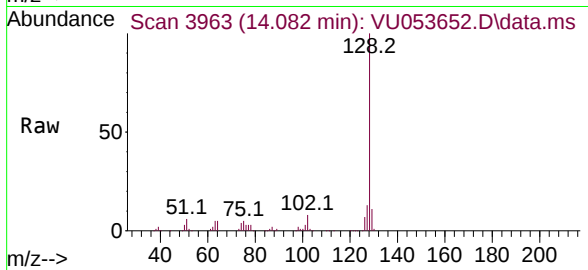
Tgt Ion:128 Resp: 361141

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 41.612 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU053652.D

Acq: 11 Apr 2023 21:55

Tgt Ion:180 Resp: 109787

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.6

145 32.8 25.4 38.0

