

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090822\
 Data File : VU050677.D
 Acq On : 08 Sep 2022 10:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050194

Quant Time: Sep 08 22:48:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 07 01:37:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	270967	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	275621	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	138891	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	89083	38.437	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.880%		
7) Chloroethane-d5	1.896	69	68995	44.023	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.040%		
11) 1,1-Dichloroethene-d2	2.565	63	176872	43.186	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.380%		
21) 2-Butanone-d5	4.620	46	164654	97.105	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.100%		
24) Chloroform-d	5.060	84	234247	53.329	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.660%		
26) 1,2-Dichloroethane-d4	5.700	65	145675	54.272	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.540%		
32) Benzene-d6	5.726	84	439301	48.230	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.460%		
36) 1,2-Dichloropropane-d6	6.690	67	143561	48.006	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.020%		
41) Toluene-d8	7.896	98	391292	50.236	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.480%		
43) trans-1,3-Dichloroprop...	8.179	79	64394	52.043	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	104.080%		
47) 2-Hexanone-d5	8.632	63	75182	99.948	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.950%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	248068	54.817	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	109.640%		
66) 1,2-Dichlorobenzene-d4	12.192	152	154368	47.478	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.960%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	120654	46.358	ug/L	99
3) Chloromethane	1.520	50	121926	43.356	ug/L	97
5) Vinyl chloride	1.604	62	105599	39.856	ug/L	100
6) Bromomethane	1.832	94	65787	49.234	ug/L	99
8) Chloroethane	1.919	64	58769	41.761	ug/L	97
9) Trichlorofluoromethane	2.131	101	153634	47.593	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	99471	46.974	ug/L	98
12) 1,1-Dichloroethene	2.575	96	93734	45.556	ug/L	96
13) Acetone	2.623	43	160804	125.717	ug/L	100
14) Carbon disulfide	2.787	76	272823	44.715	ug/L	99
15) Methyl Acetate	2.944	43	133884	49.493	ug/L	98
16) Methylene chloride	3.041	84	132651	49.124	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	104335	47.820	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	353333	52.230	ug/L	98
19) 1,1-Dichloroethane	3.867	63	204655	48.618	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	122505	49.763	ug/L	94
22) 2-Butanone	4.697	43	207710	103.825	ug/L	93
23) Bromochloromethane	4.973	128	70038	55.058	ug/L	91
25) Chloroform	5.086	83	230364	53.715	ug/L	98

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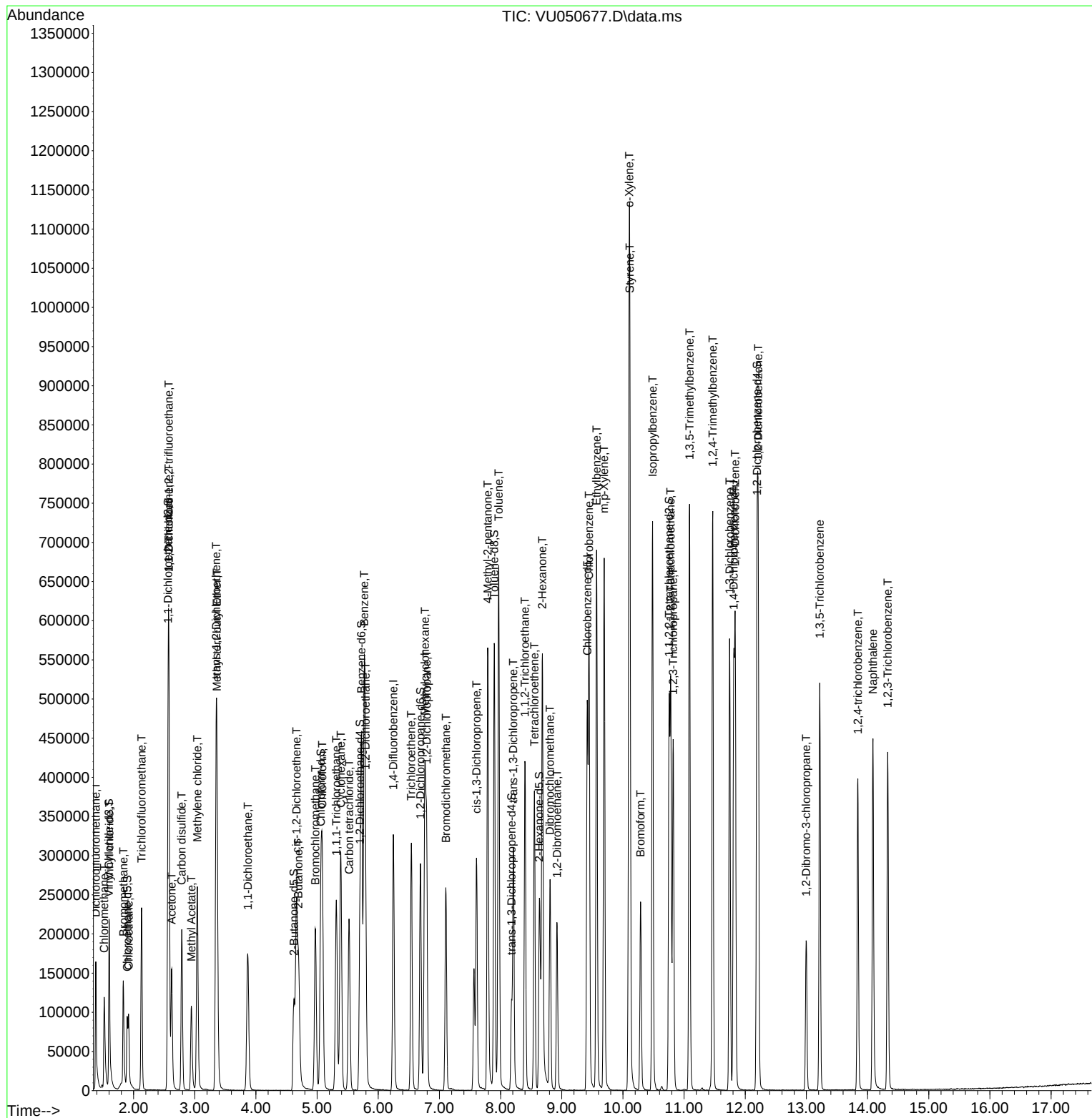
Instrument :
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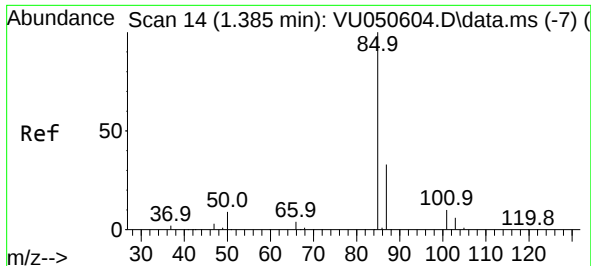
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	176506	55.529	ug/L	99
29) Cyclohexane	5.388	56	145556	39.433	ug/L	96
30) 1,1,1-Trichloroethane	5.314	97	185231	49.896	ug/L	98
31) Carbon tetrachloride	5.523	117	153400	50.435	ug/L	98
33) Benzene	5.771	78	491443	48.994	ug/L	100
34) Trichloroethene	6.539	95	109923	47.032	ug/L	97
35) Methylcyclohexane	6.764	83	153856	41.407	ug/L	97
37) 1,2-Dichloropropane	6.790	63	128367	48.449	ug/L	99
38) Bromodichloromethane	7.105	83	173468	55.658	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	184862	51.546	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	344671	95.462	ug/L	96
42) Toluene	7.970	91	514551	50.501	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	180560	53.661	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	136198	53.512	ug/L	99
46) Tetrachloroethene	8.552	164	84697	49.615	ug/L	99
48) 2-Hexanone	8.684	43	329104	97.669	ug/L	98
49) Dibromochloromethane	8.809	129	140087	57.705	ug/L	99
50) 1,2-Dibromoethane	8.922	107	140786	54.391	ug/L	100
51) Chlorobenzene	9.446	112	321214	50.796	ug/L	98
52) Ethylbenzene	9.571	91	497718	49.448	ug/L	97
53) m,p-Xylene	9.693	106	202274	52.453	ug/L	99
54) o-Xylene	10.102	106	202066	52.631	ug/L	99
55) Styrene	10.115	104	353334	55.934	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	247911	54.683	ug/L	100
59) Bromoform	10.288	173	109486	52.834	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	192839	47.320	ug/L	98
61) Isopropylbenzene	10.484	105	474610	43.170	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	414782	44.131	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	412433	45.697	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	239399	49.490	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	234033	48.945	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	255273	49.549	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	51687	48.029	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	164719	46.921	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	125333	42.045	ug/L	99
71) Naphthalene	14.089	128	380278	35.981	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	137797	42.687	ug/L	100

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

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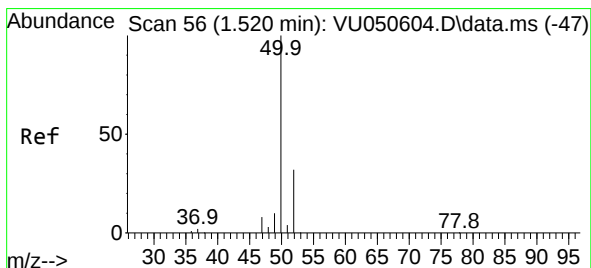
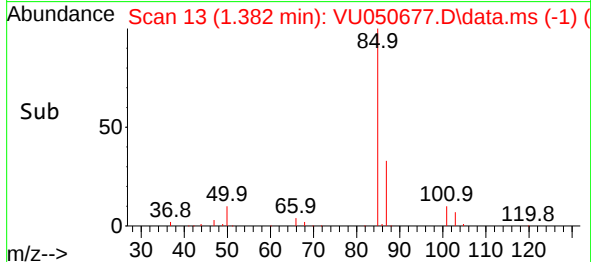
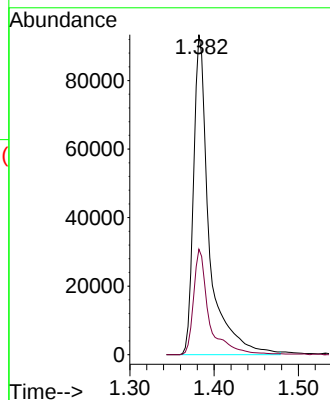
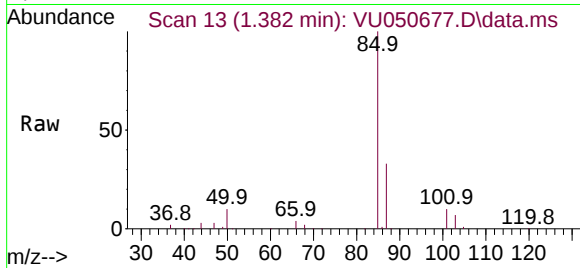




#2
 Dichlorodifluoromethane
 Concen: 46.358 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU050677.D
 Acq: 08 Sep 2022 10:55

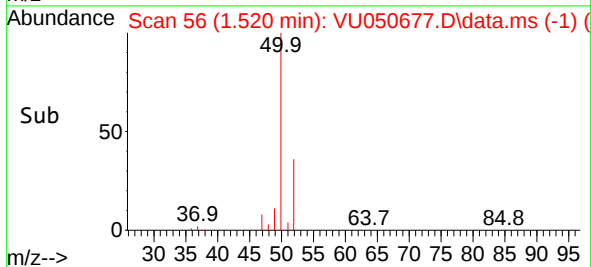
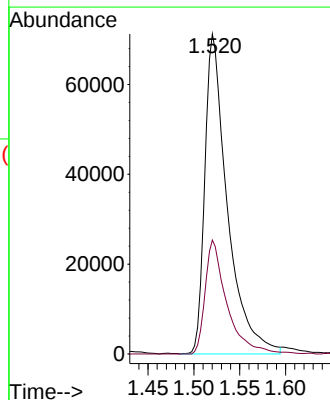
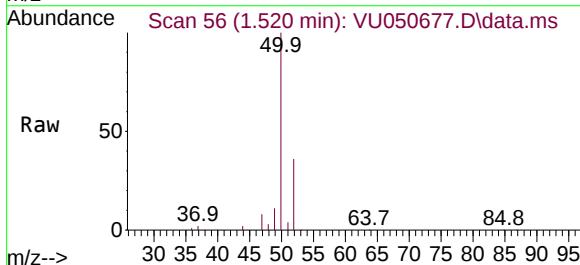
Instrument :
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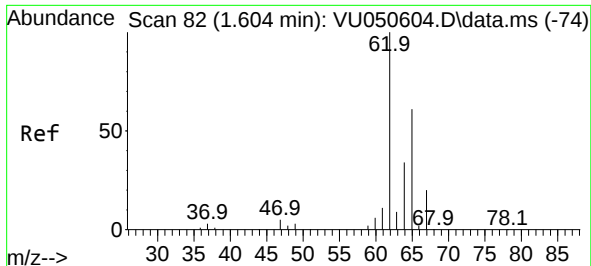
Tgt Ion: 85 Resp: 120654
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.8



#3
 Chloromethane
 Concen: 43.356 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU050677.D
 Acq: 08 Sep 2022 10:55

Tgt Ion: 50 Resp: 121926
 Ion Ratio Lower Upper
 50 100
 52 35.6 23.7 43.9

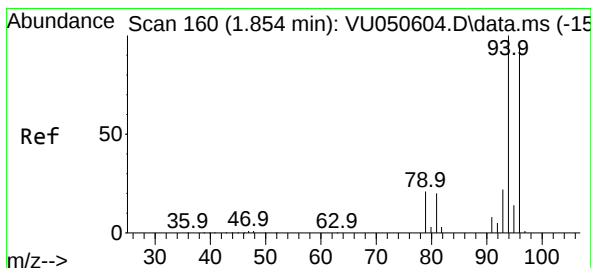
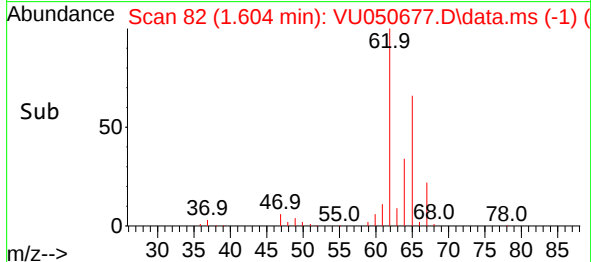
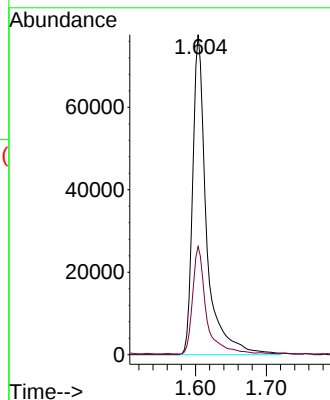
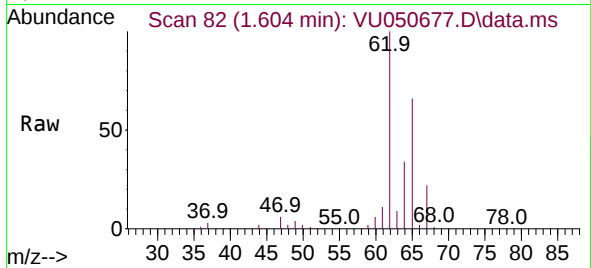




#5
 Vinyl chloride
 Concen: 39.856 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050677.D
 Acq: 08 Sep 2022 10:55

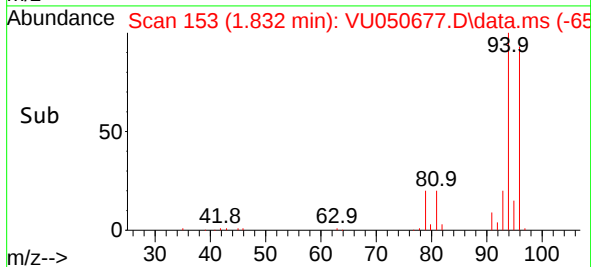
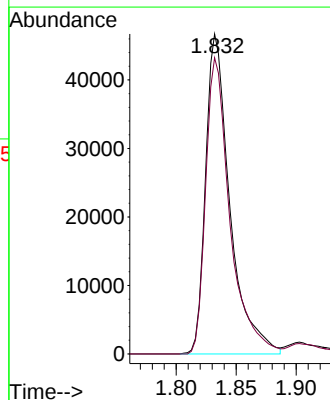
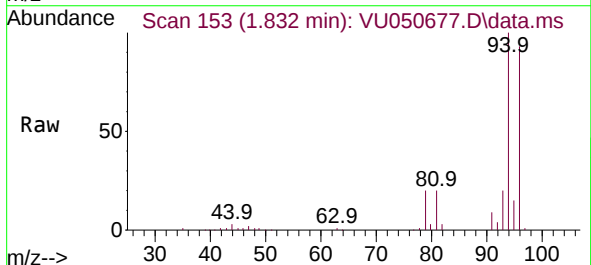
Instrument :
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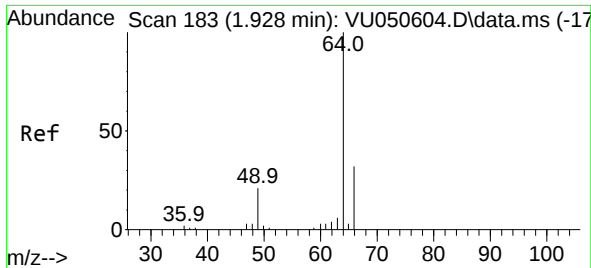
Tgt Ion: 62 Resp: 105599
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.5 43.7



#6
 Bromomethane
 Concen: 49.234 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.016 min
 Lab File: VU050677.D
 Acq: 08 Sep 2022 10:55

Tgt Ion: 94 Resp: 65787
 Ion Ratio Lower Upper
 94 100
 96 92.6 65.6 121.8

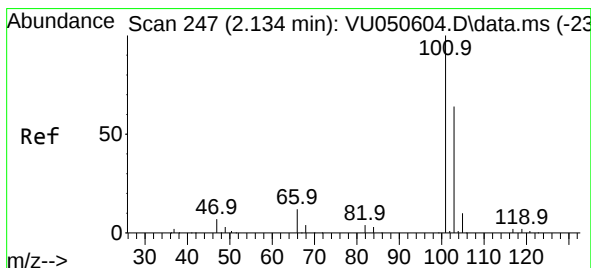
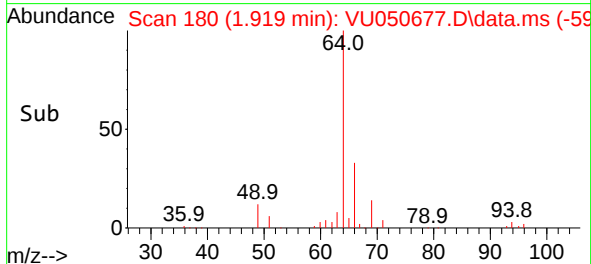
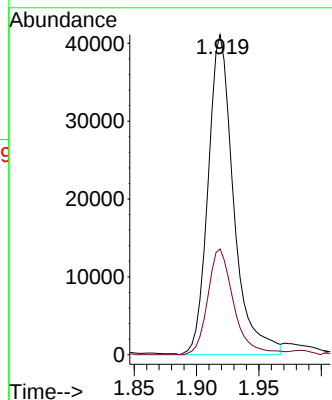
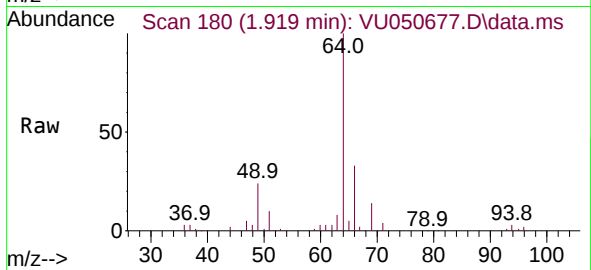




#8
Chloroethane
Concen: 41.761 ug/L
RT: 1.919 min Scan# 183
Delta R.T. -0.010 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

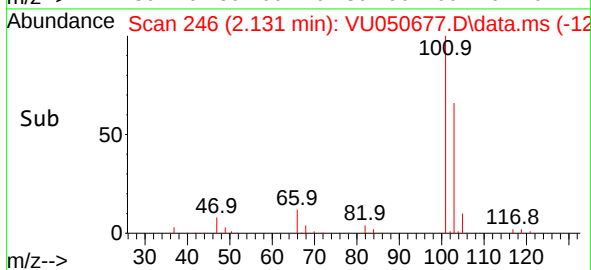
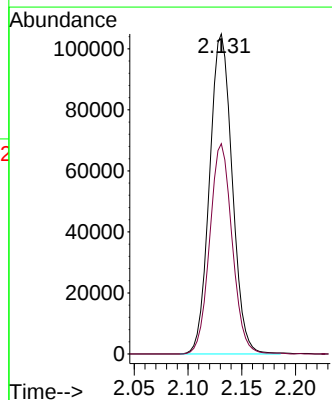
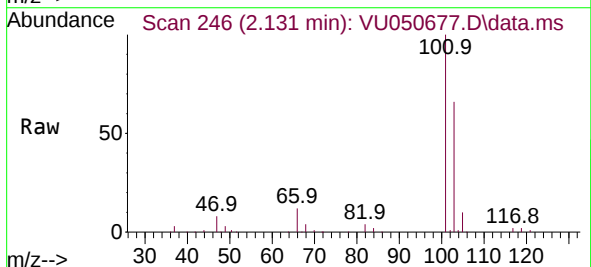
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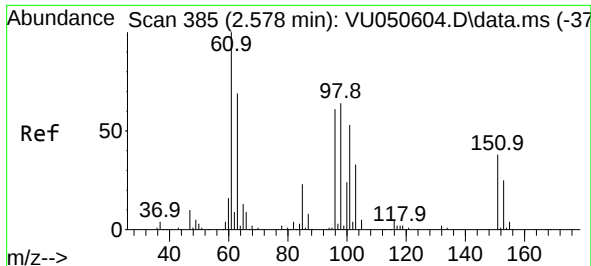
Tgt Ion: 64 Resp: 58769
Ion Ratio Lower Upper
64 100
66 33.0 21.9 40.7



#9
Trichlorofluoromethane
Concen: 47.593 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion:101 Resp: 153634
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.0

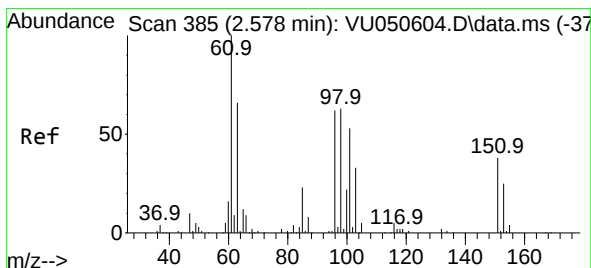
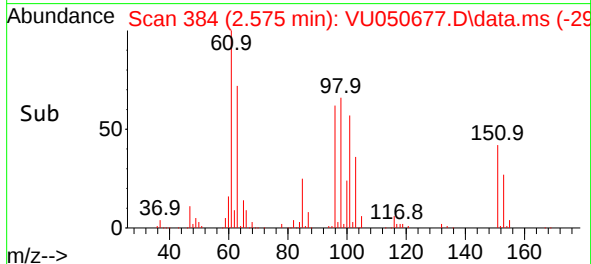
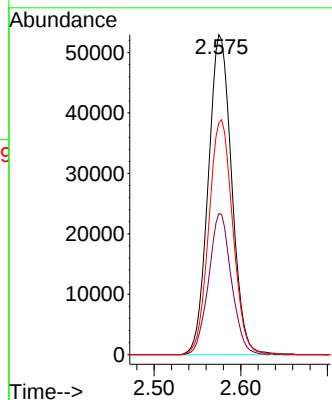
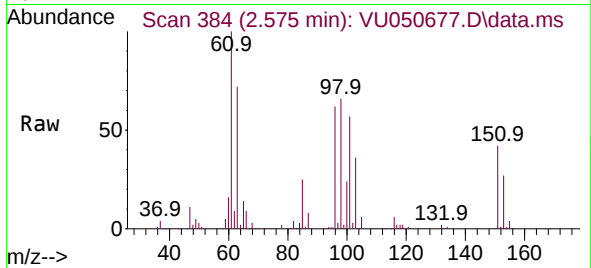




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.974 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050677.D
 Acq: 08 Sep 2022 10:55

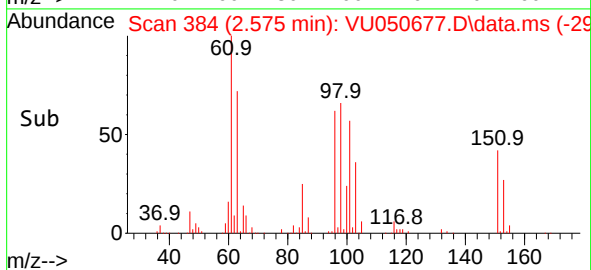
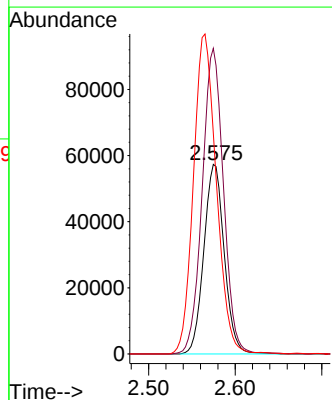
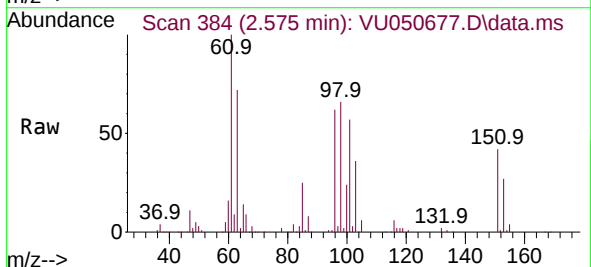
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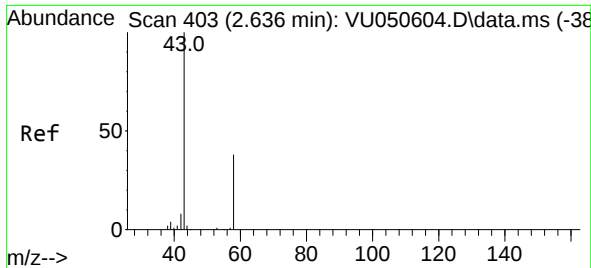
Tgt Ion:101 Resp: 99471
 Ion Ratio Lower Upper
 101 100
 85 42.9 34.4 51.6
 151 74.9 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 45.556 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050677.D
 Acq: 08 Sep 2022 10:55

Tgt Ion: 96 Resp: 93734
 Ion Ratio Lower Upper
 96 100
 61 161.2 118.0 219.1
 63 116.5 79.5 147.7





#13

Acetone

Concen: 125.717 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

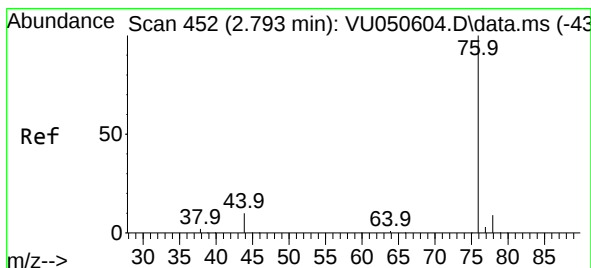
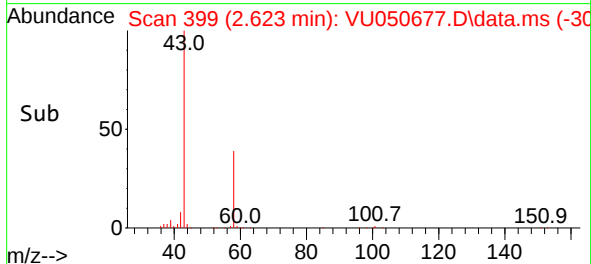
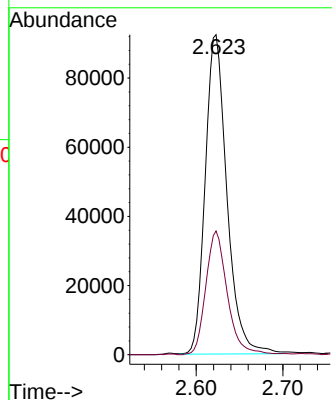
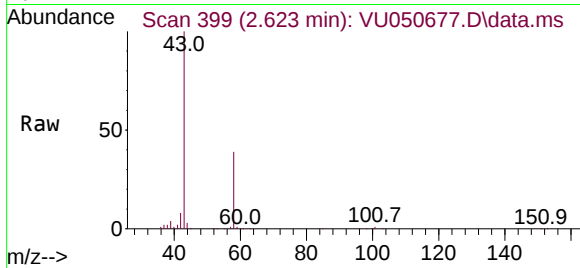
VSTD050194

Tgt Ion: 43 Resp: 160804

Ion Ratio Lower Upper

43 100

58 38.3 0.0 76.2



#14

Carbon disulfide

Concen: 44.715 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU050677.D

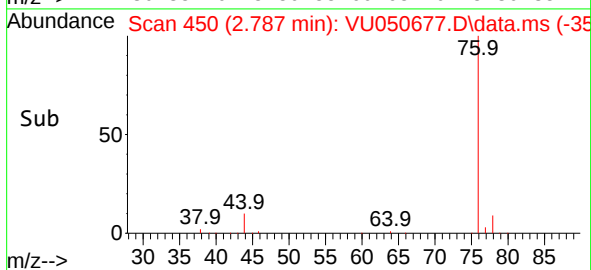
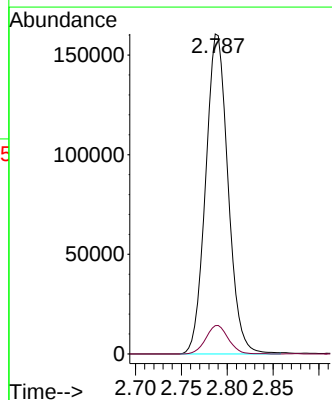
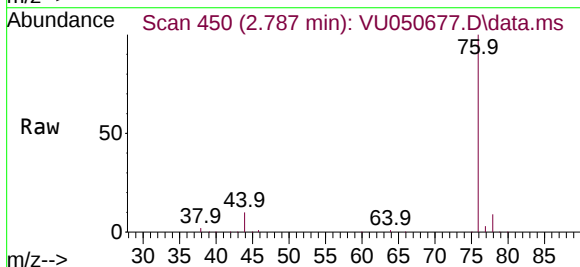
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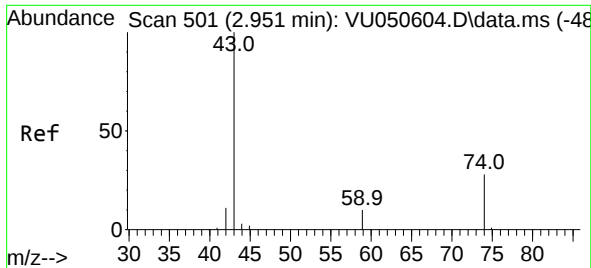
Tgt Ion: 76 Resp: 272823

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

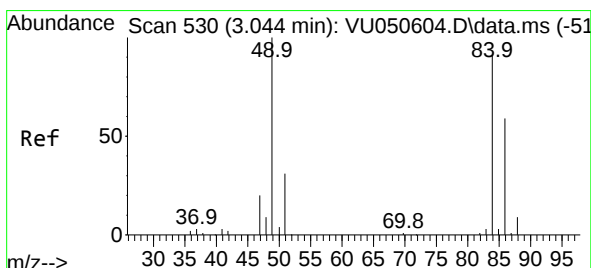
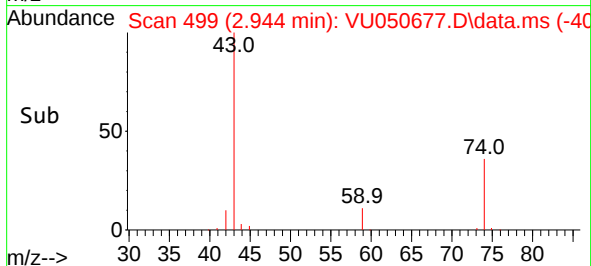
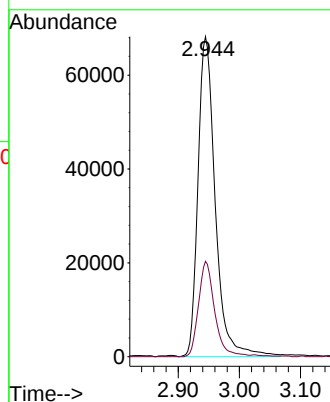
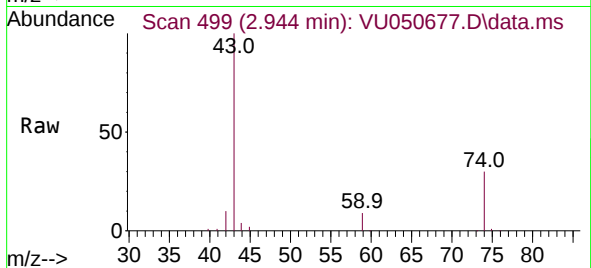




#15
Methyl Acetate
Concen: 49.493 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

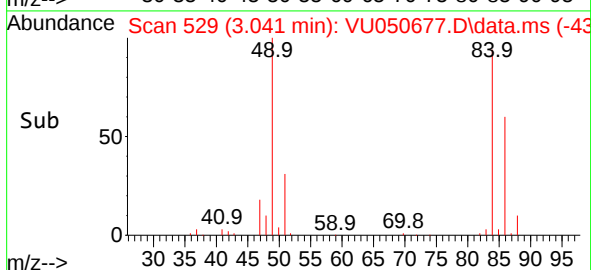
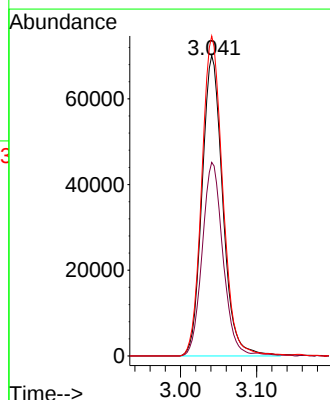
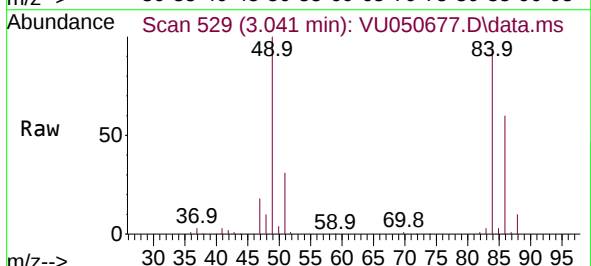
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

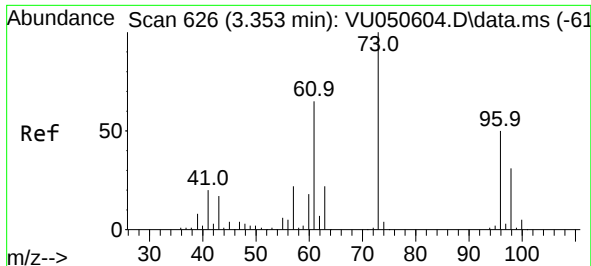
Tgt Ion: 43 Resp: 133884
Ion Ratio Lower Upper
43 100
74 27.7 21.2 31.8



#16
Methylene chloride
Concen: 49.124 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion: 84 Resp: 132651
Ion Ratio Lower Upper
84 100
86 64.4 44.8 83.2
49 106.5 80.6 149.8





#17

trans-1,2-Dichloroethene

Concen: 47.820 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

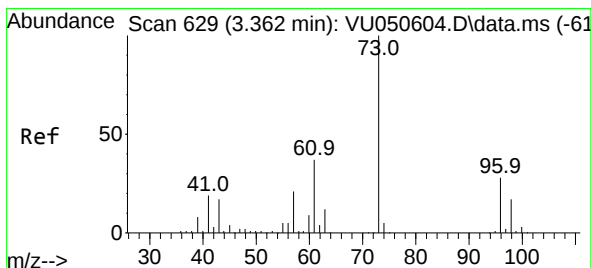
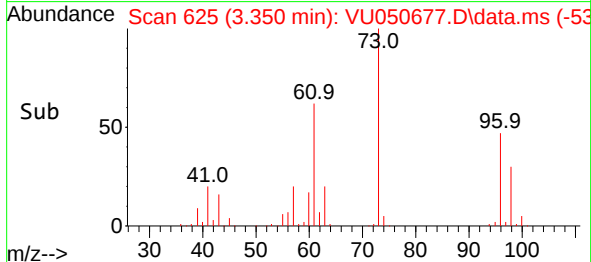
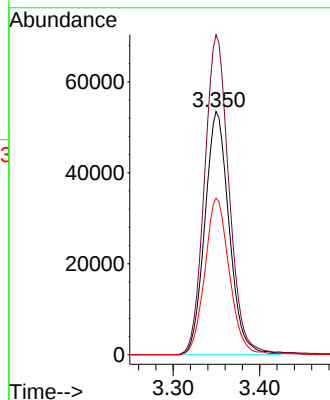
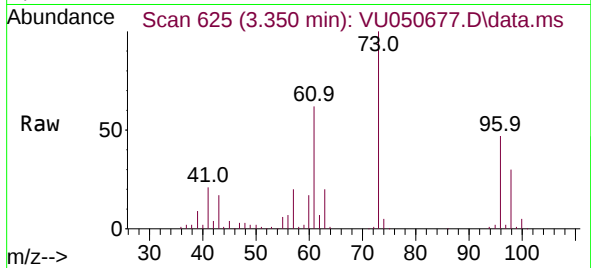
Tgt Ion: 96 Resp: 104335

Ion Ratio Lower Upper

96 100

61 131.6 97.9 181.7

98 64.4 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 52.230 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

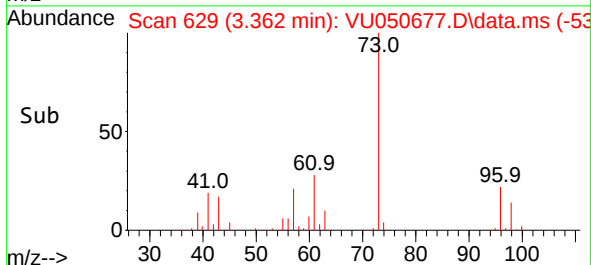
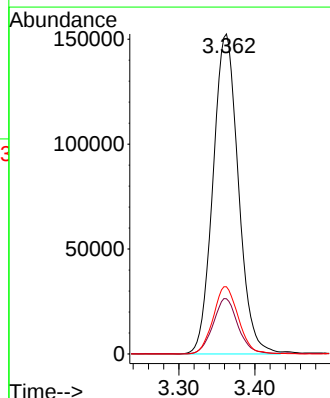
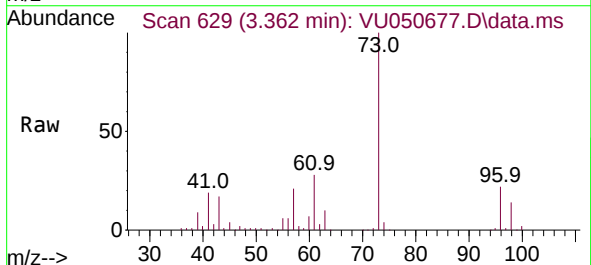
Tgt Ion: 73 Resp: 353333

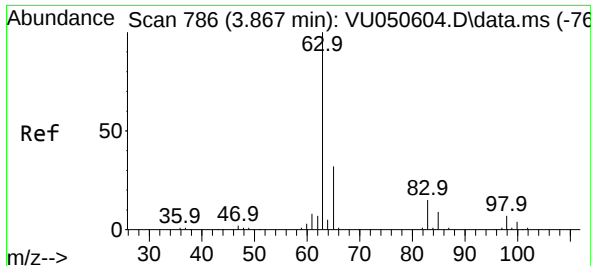
Ion Ratio Lower Upper

73 100

43 17.1 13.4 20.2

57 20.9 17.8 26.8





#19

1,1-Dichloroethane

Concen: 48.618 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

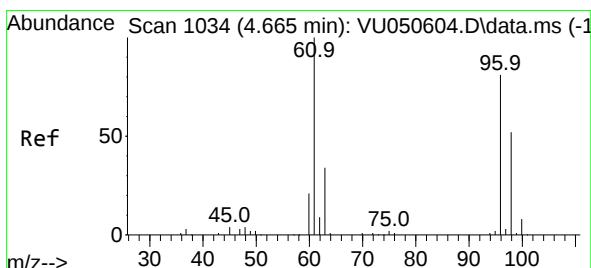
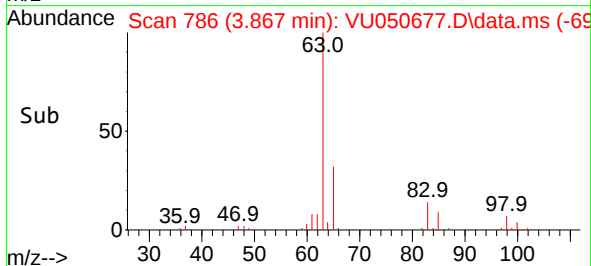
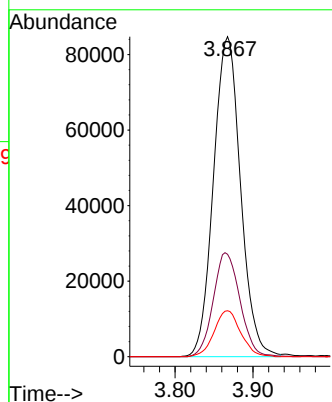
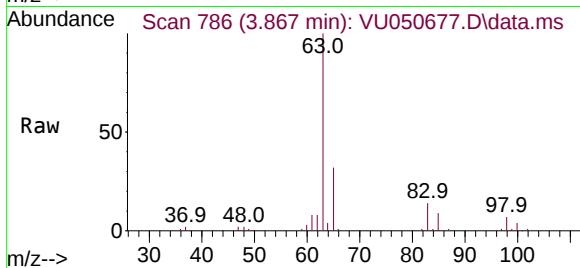
Tgt Ion: 63 Resp: 204655

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 14.4 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 49.763 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

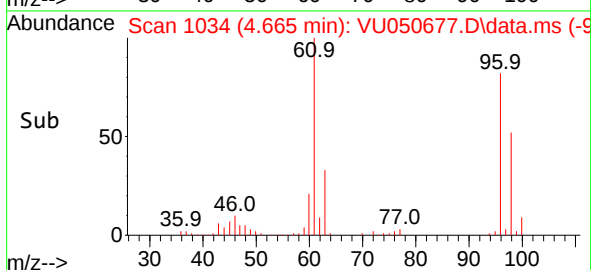
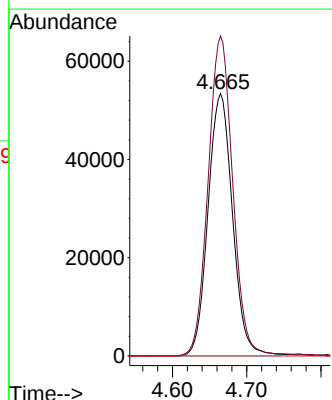
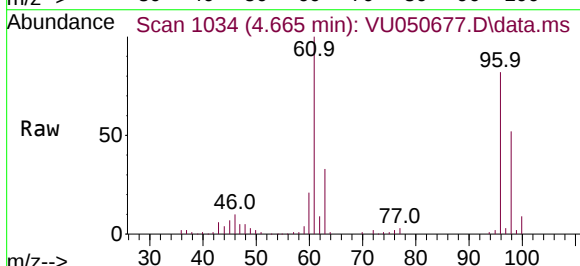
Tgt Ion: 96 Resp: 122505

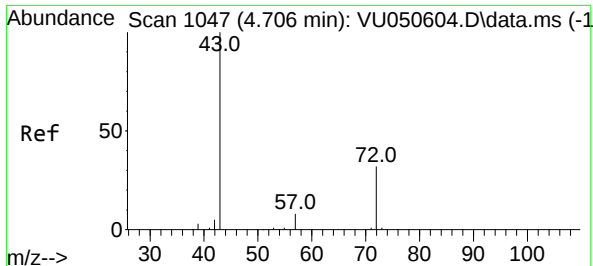
Ion Ratio Lower Upper

96 100

61 121.9 89.8 166.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.825 ug/L

RT: 4.697 min Scan# 110

Delta R.T. -0.003 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

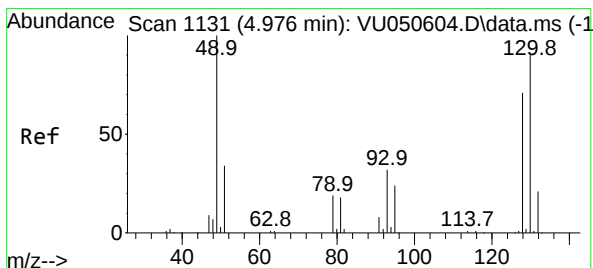
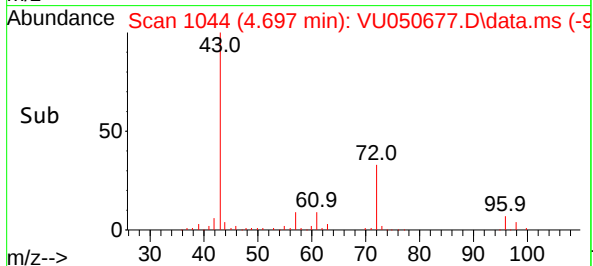
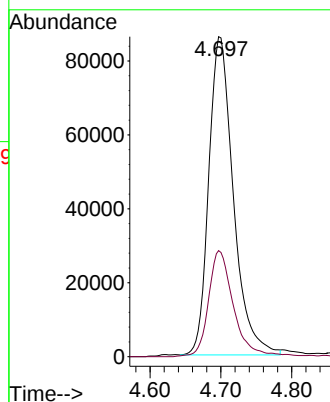
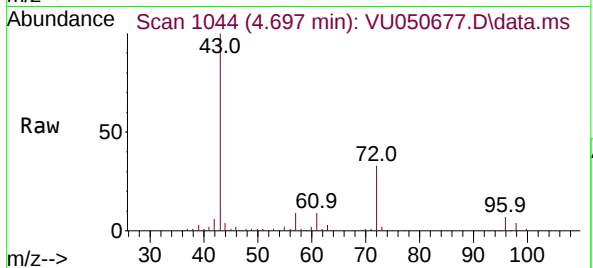
VSTD050194

Tgt Ion: 43 Resp: 207710

Ion Ratio Lower Upper

43 100

72 33.1 14.6 44.0



#23

Bromochloromethane

Concen: 55.058 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Tgt Ion:128 Resp: 70038

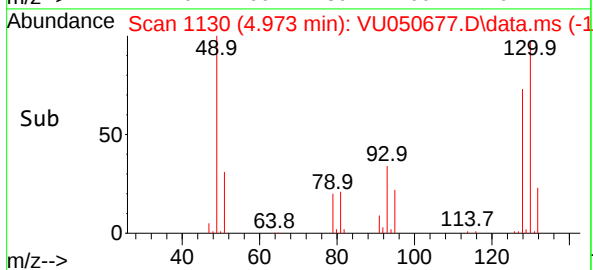
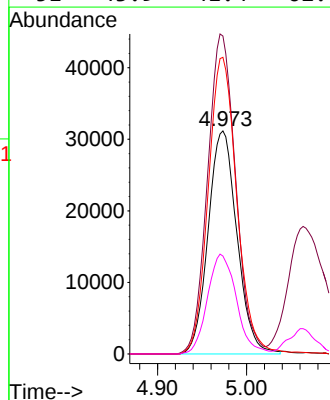
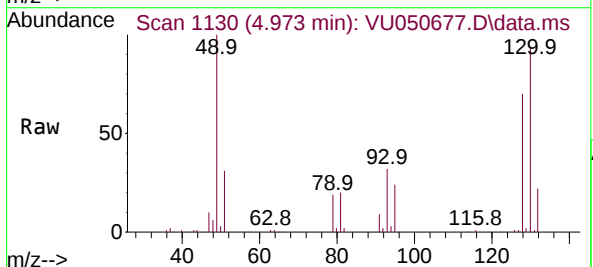
Ion Ratio Lower Upper

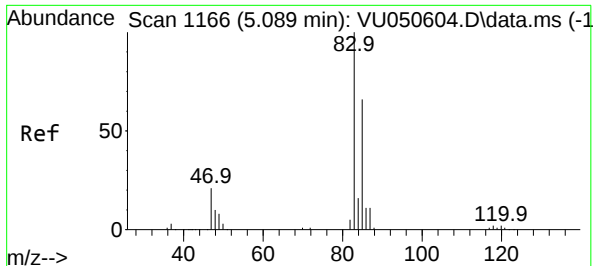
128 100

49 142.5 112.5 208.9

130 133.0 91.8 170.4

51 43.9 41.4 62.0





#25

Chloroform

Concen: 53.715 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

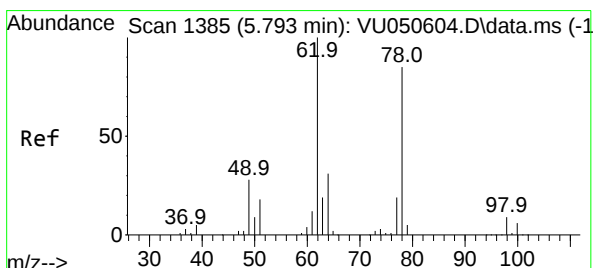
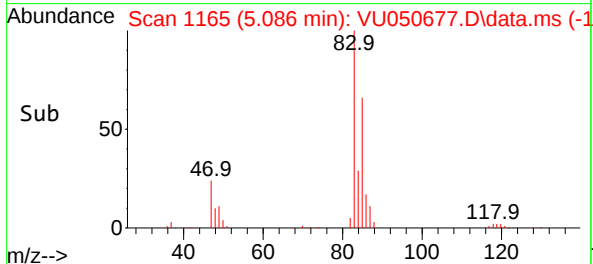
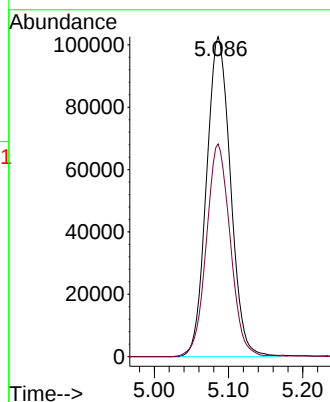
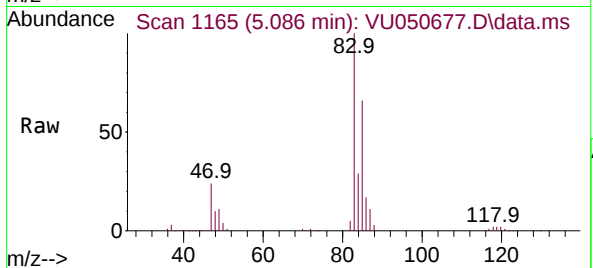
VSTD050194

Tgt Ion: 83 Resp: 230364

Ion Ratio Lower Upper

83 100

85 66.5 45.6 84.8



#27

1,2-Dichloroethane

Concen: 55.529 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050677.D

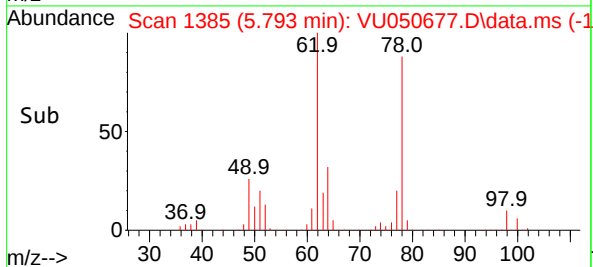
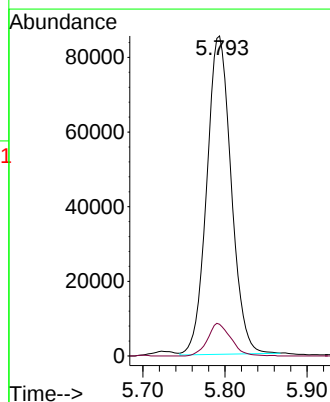
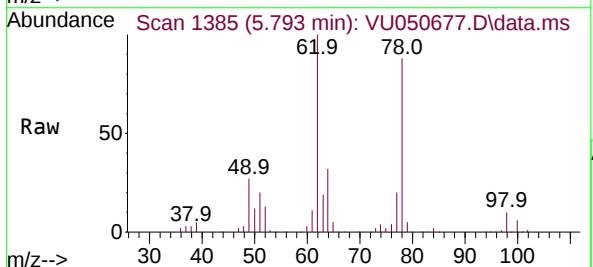
Acq: 08 Sep 2022 10:55

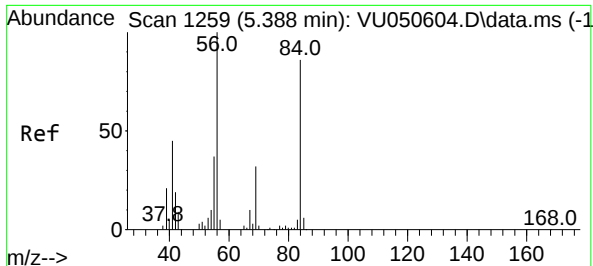
Tgt Ion: 62 Resp: 176506

Ion Ratio Lower Upper

62 100

98 9.9 8.2 12.2





#29

Cyclohexane

Concen: 39.433 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

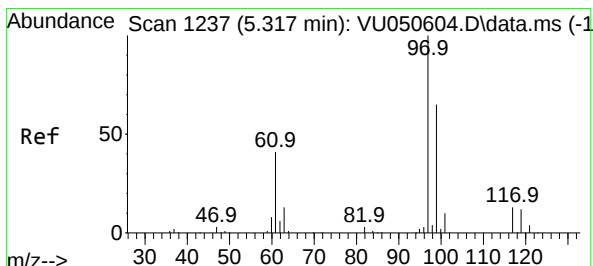
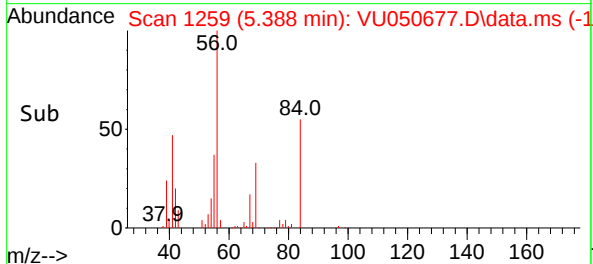
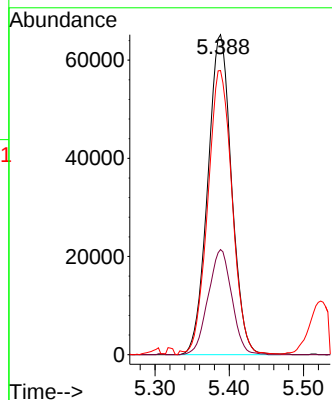
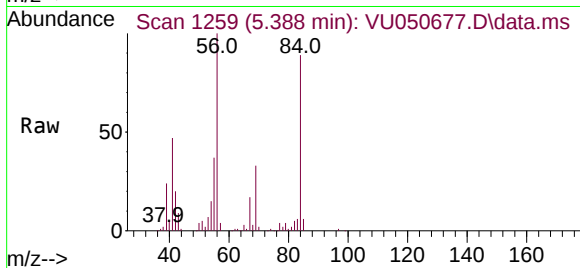
Tgt Ion: 56 Resp: 145556

Ion Ratio Lower Upper

56 100

69 32.5 24.6 37.0

84 88.8 67.4 101.2



#30

1,1,1-Trichloroethane

Concen: 49.896 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

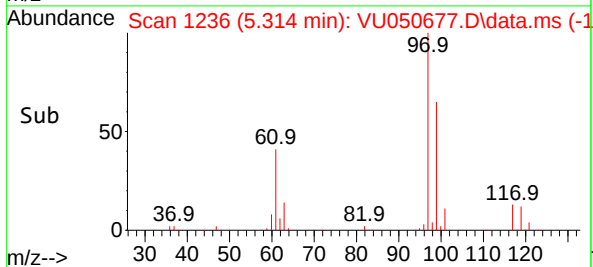
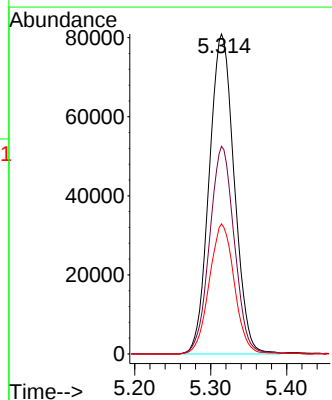
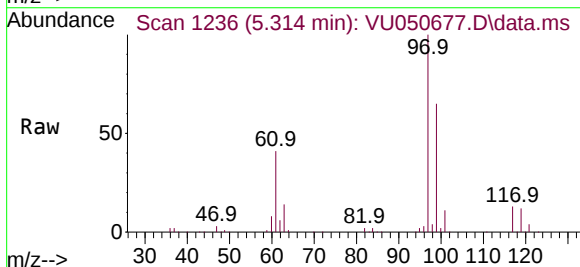
Tgt Ion: 97 Resp: 185231

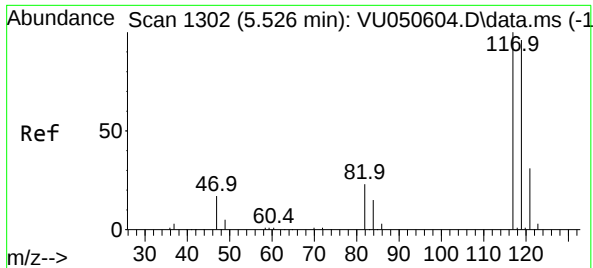
Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 40.6 34.2 51.4

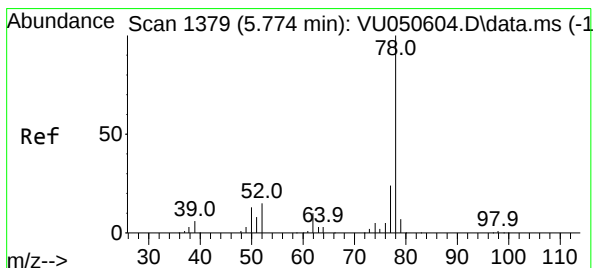
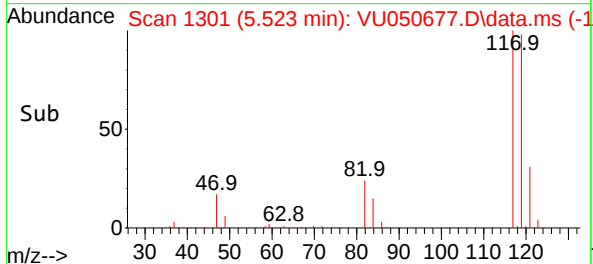
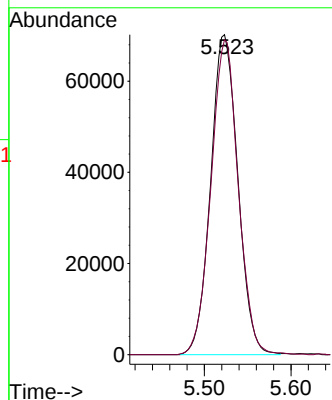
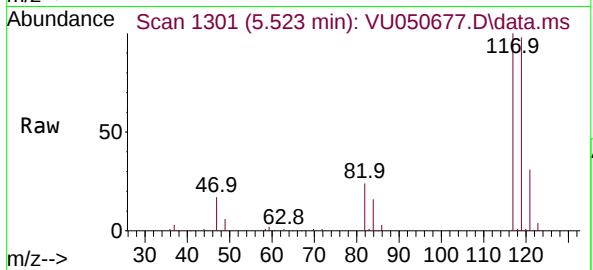




#31
Carbon tetrachloride
Concen: 50.435 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

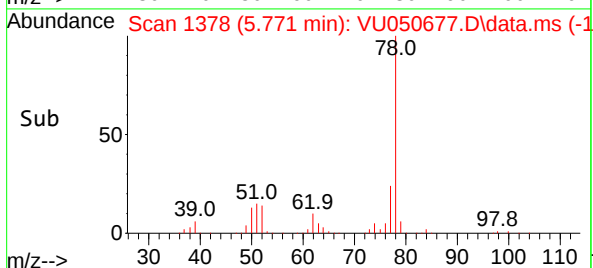
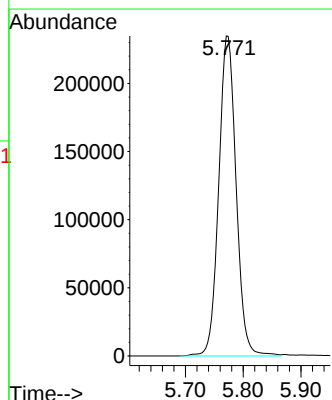
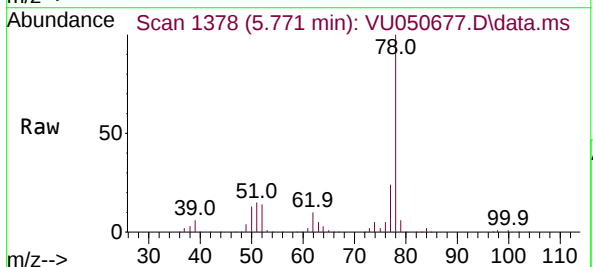
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

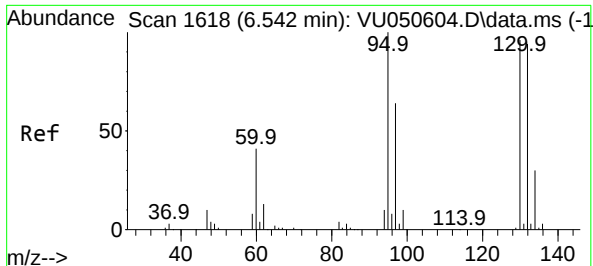
Tgt Ion:117 Resp: 153400
Ion Ratio Lower Upper
117 100
119 98.4 77.4 116.2



#33
Benzene
Concen: 48.994 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion: 78 Resp: 491443

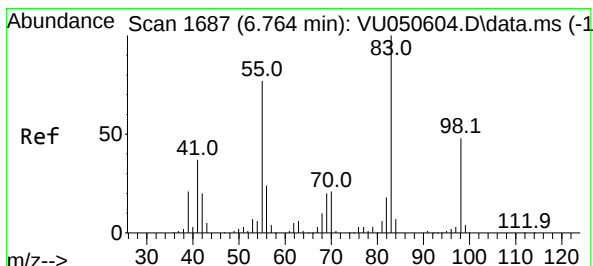
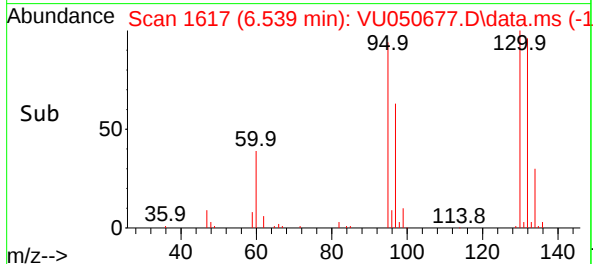
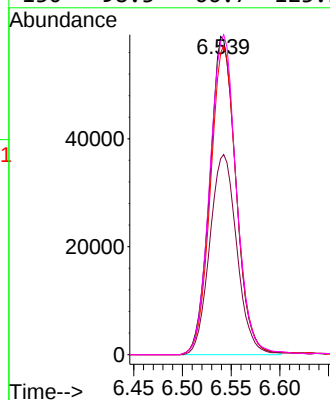
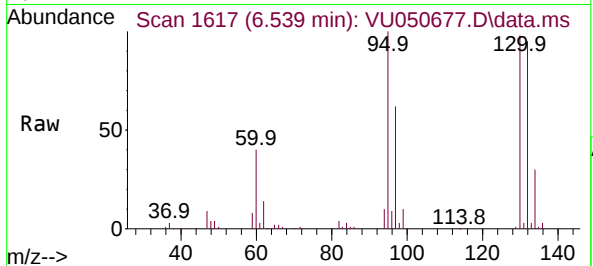




#34
Trichloroethene
Concen: 47.032 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

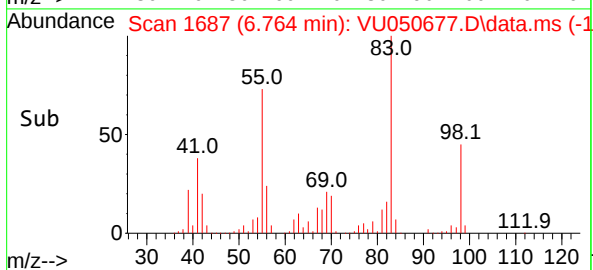
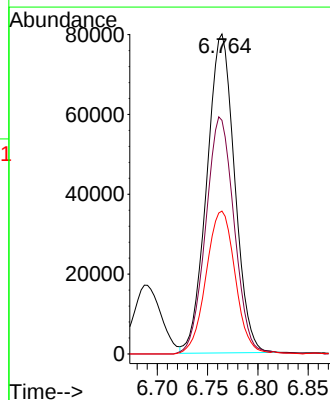
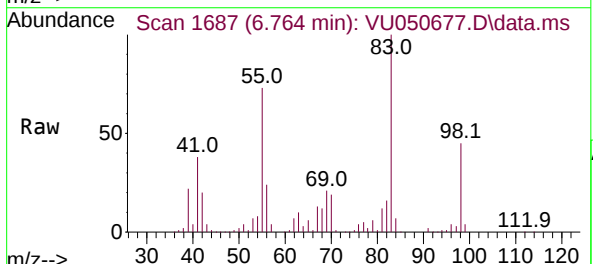
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

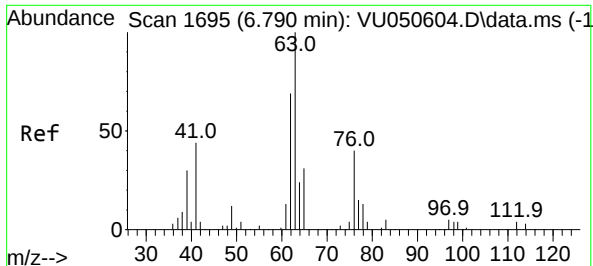
Tgt Ion: 95 Resp: 109923
Ion Ratio Lower Upper
95 100
97 61.6 45.4 84.2
132 94.8 65.2 121.2
130 98.3 66.7 123.9



#35
Methylcyclohexane
Concen: 41.407 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion: 83 Resp: 153856
Ion Ratio Lower Upper
83 100
55 76.0 62.6 93.8
98 46.8 35.5 53.3





#37

1,2-Dichloropropane

Concen: 48.449 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

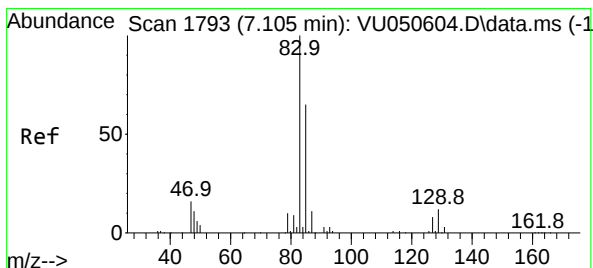
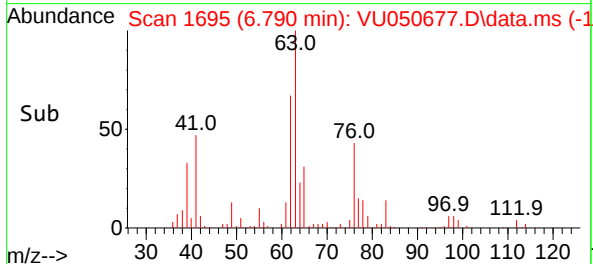
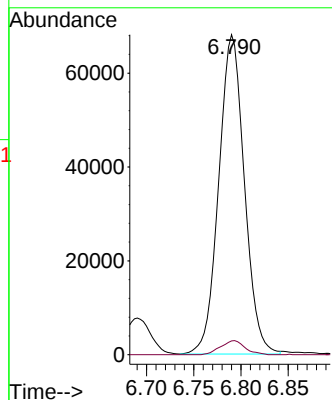
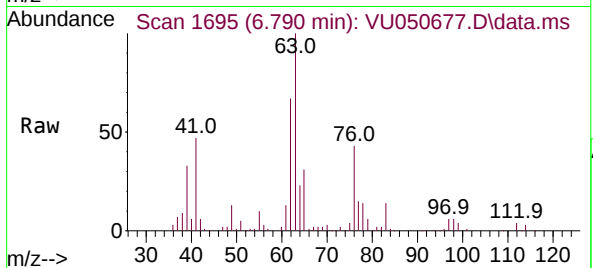
VSTD050194

Tgt Ion: 63 Resp: 128367

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.4



#38

Bromodichloromethane

Concen: 55.658 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

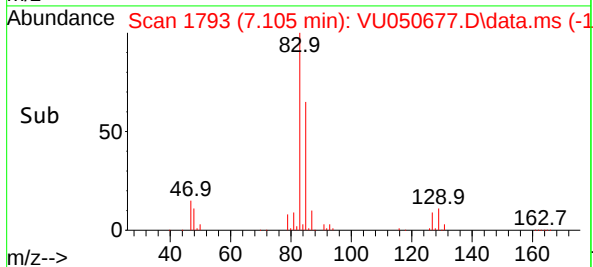
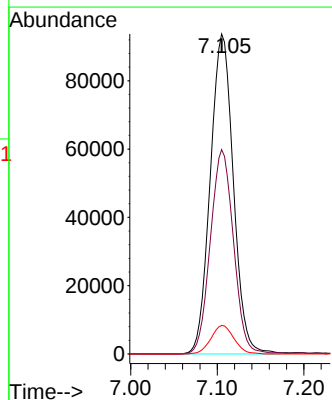
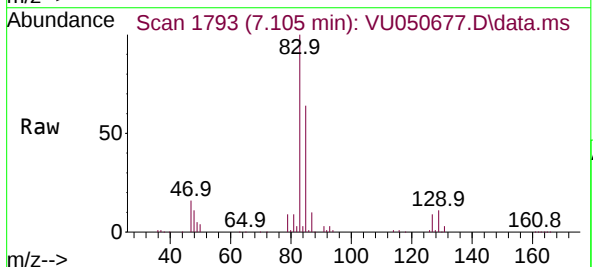
Tgt Ion: 83 Resp: 173468

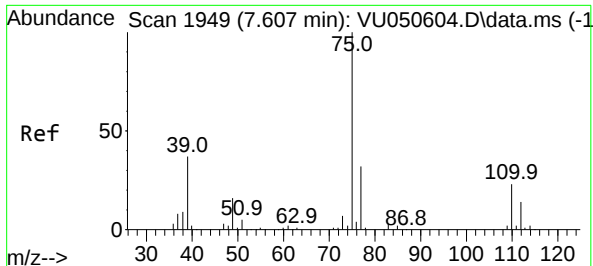
Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.5

127 8.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 51.546 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

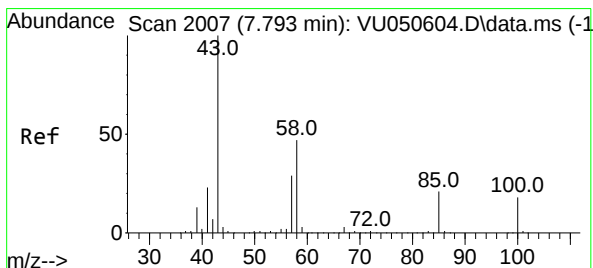
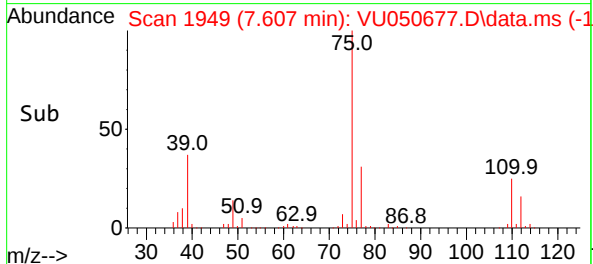
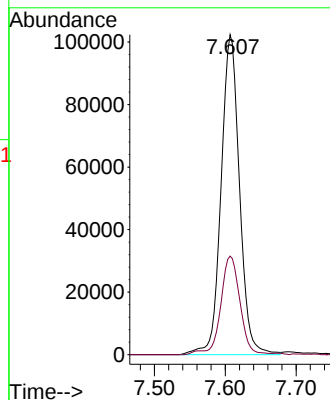
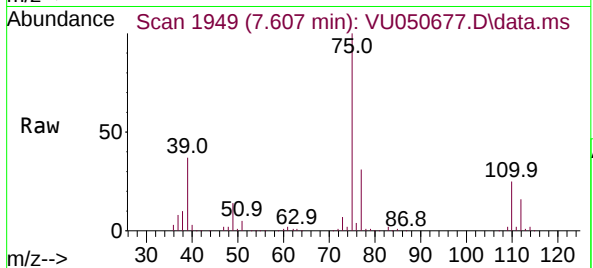
VSTD050194

Tgt Ion: 75 Resp: 184862

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 95.462 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

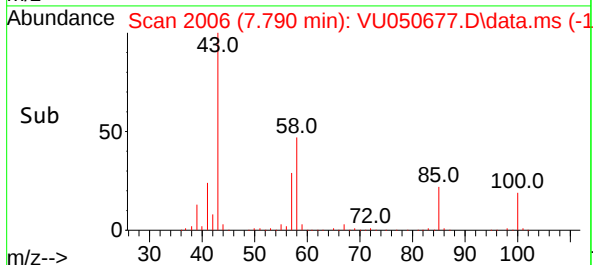
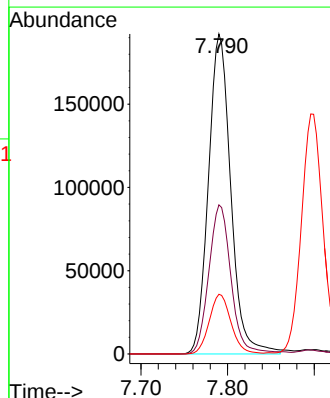
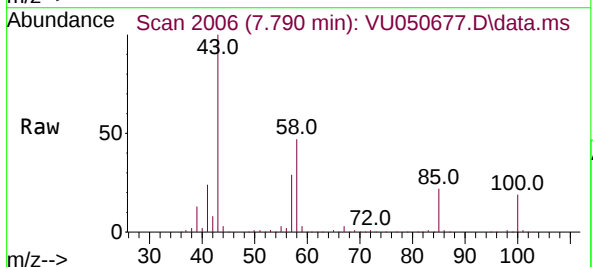
Tgt Ion: 43 Resp: 344671

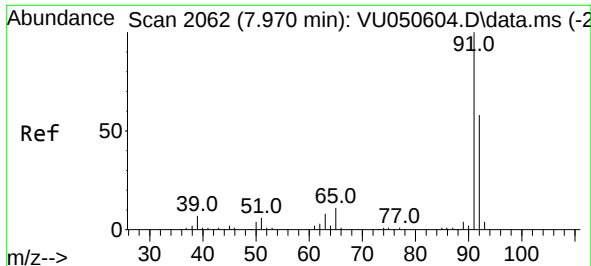
Ion Ratio Lower Upper

43 100

58 46.3 35.1 52.7

100 18.2 12.9 19.3





#42

Toluene

Concen: 50.501 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

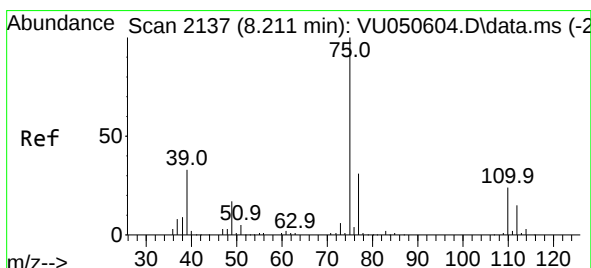
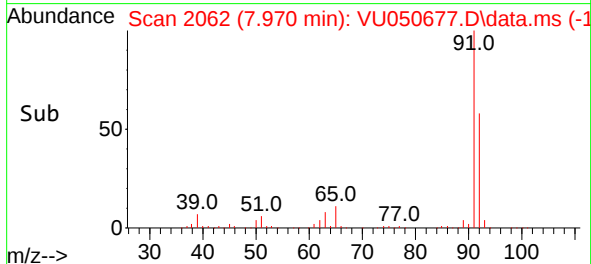
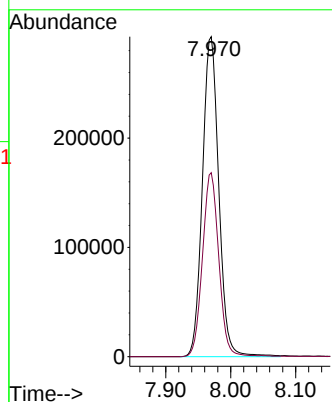
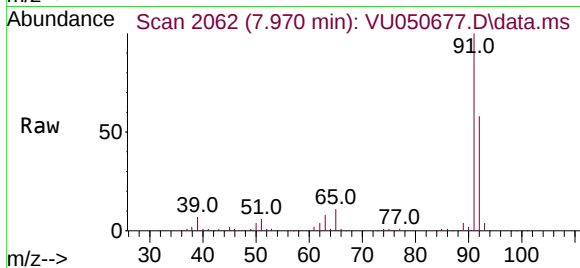
VSTD050194

Tgt Ion: 91 Resp: 514551

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 53.661 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU050677.D

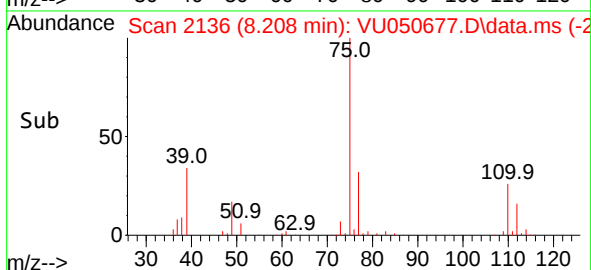
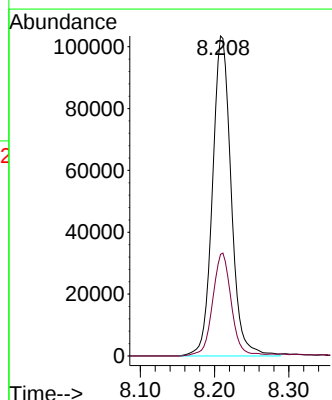
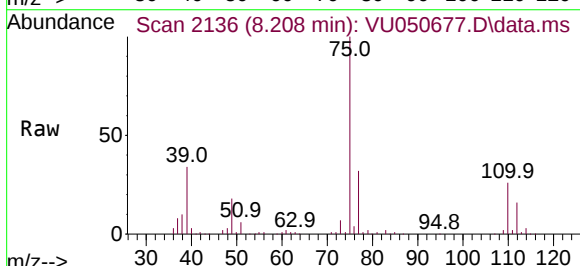
Acq: 08 Sep 2022 10:55

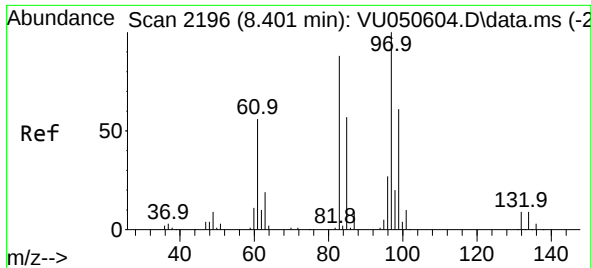
Tgt Ion: 75 Resp: 180560

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

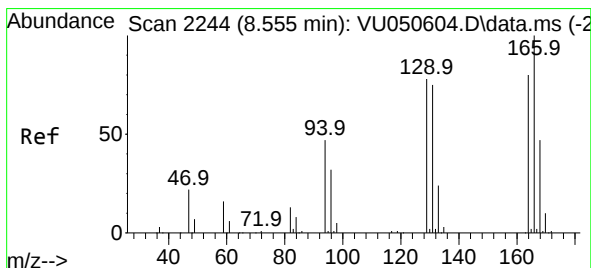
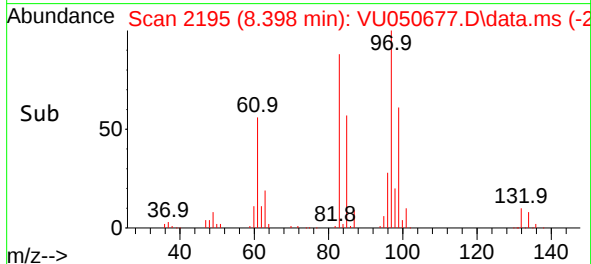
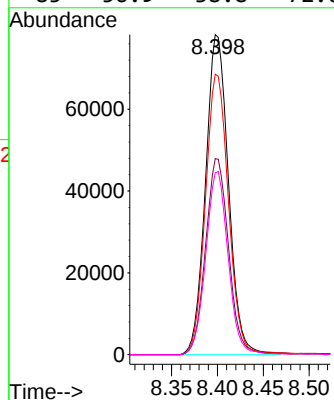
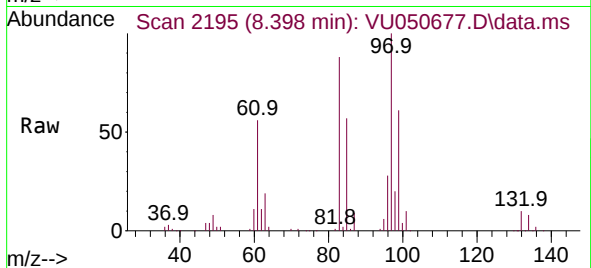




#45
1,1,2-Trichloroethane
Concen: 53.512 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

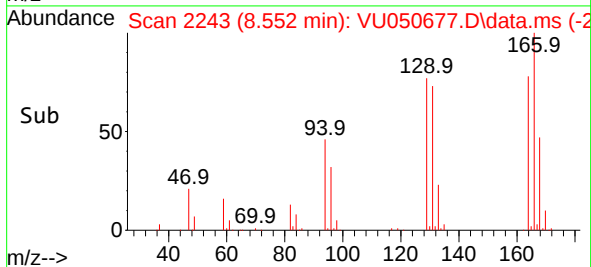
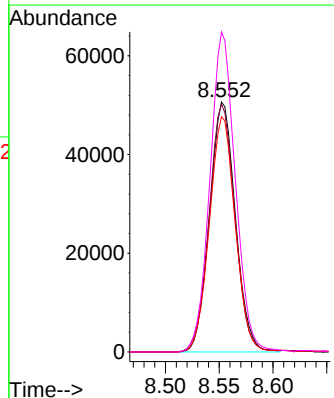
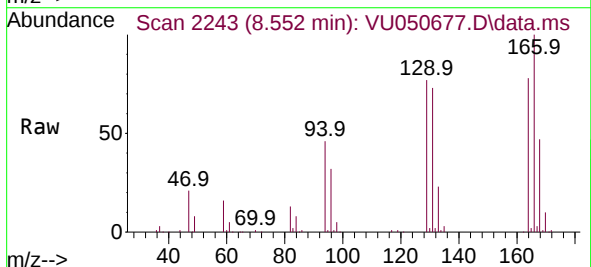
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

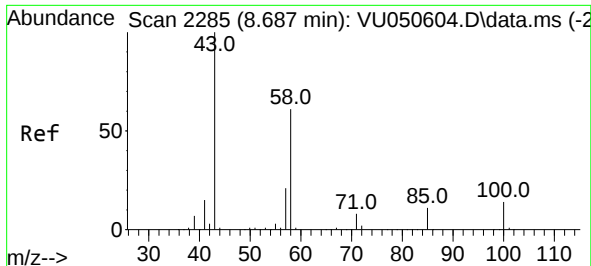
Tgt Ion:	97	Resp:	136198
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.5	80.9
83	87.6	61.6	114.4
85	56.9	38.8	72.0



#46
Tetrachloroethene
Concen: 49.615 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion:	164	Resp:	84697
Ion	Ratio	Lower	Upper
164	100		
129	99.1	68.7	127.5
131	94.1	66.2	123.0
166	128.0	87.7	162.9



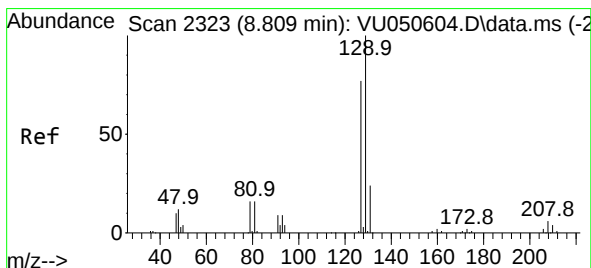
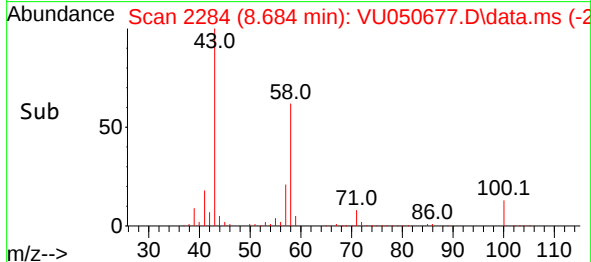
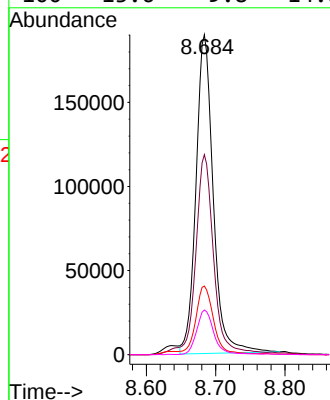
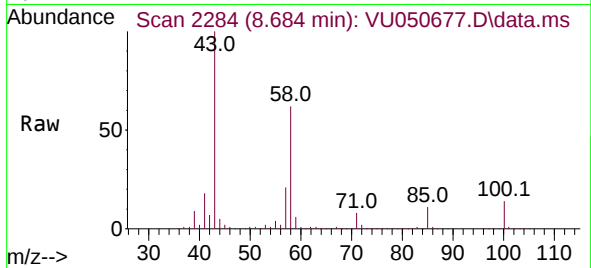


#48
2-Hexanone
Concen: 97.669 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

Tgt Ion: 43 Resp: 329104

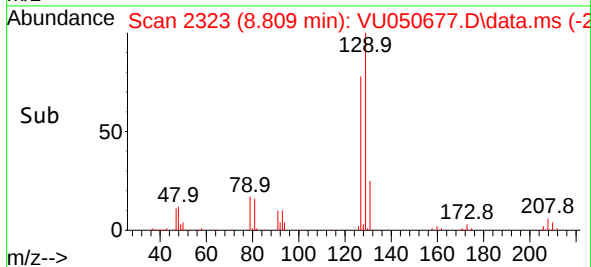
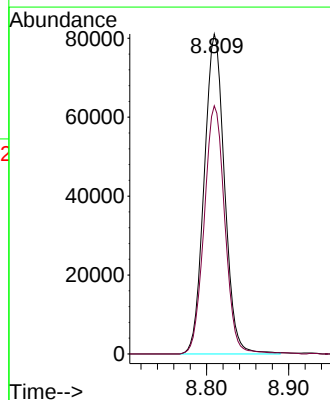
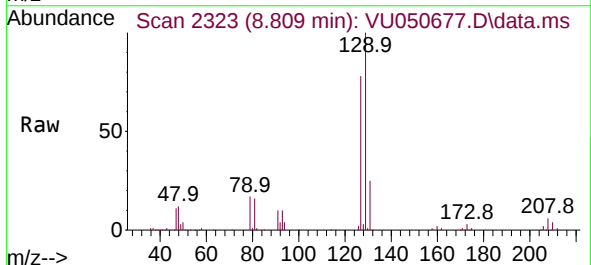
Ion	Ratio	Lower	Upper
43	100		
58	65.7	51.8	77.6
57	23.5	17.0	25.4
100	13.6	9.8	14.8

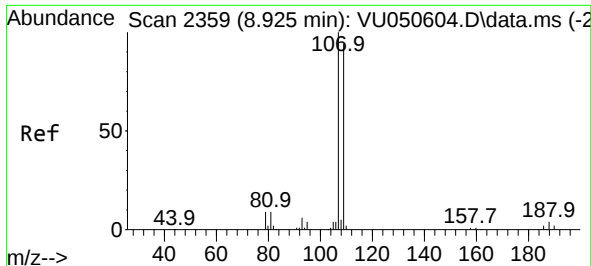


#49
Dibromochloromethane
Concen: 57.705 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion: 129 Resp: 140087

Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.8	100.0

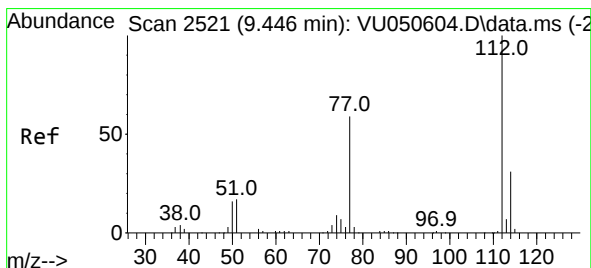
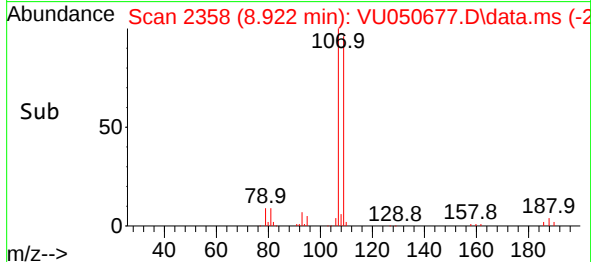
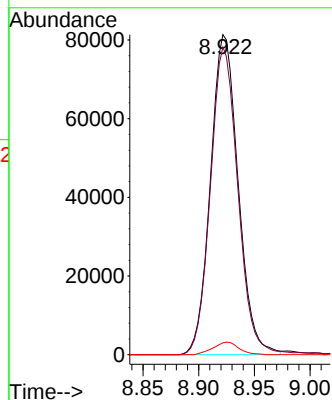
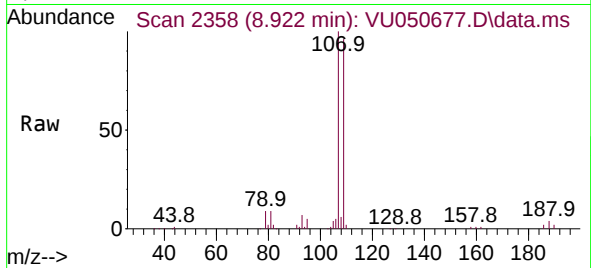




#50
1,2-Dibromoethane
Concen: 54.391 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

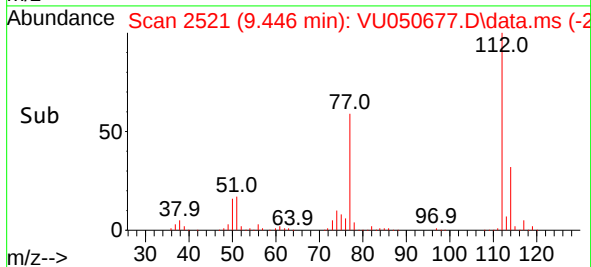
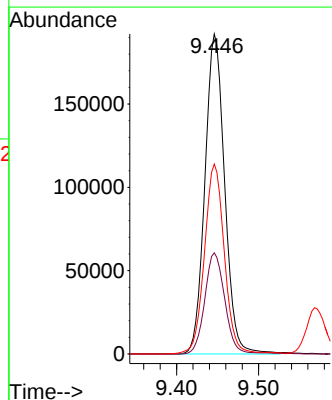
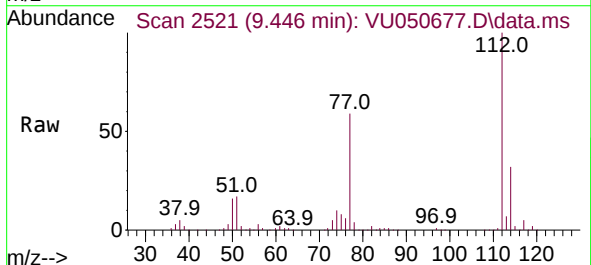
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

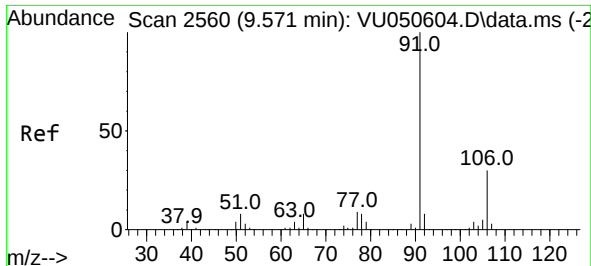
Tgt Ion:107 Resp: 140786
Ion Ratio Lower Upper
107 100
109 96.2 67.5 125.4
188 3.7 2.5 3.7



#51
Chlorobenzene
Concen: 50.796 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion:112 Resp: 321214
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 59.3 49.2 73.8

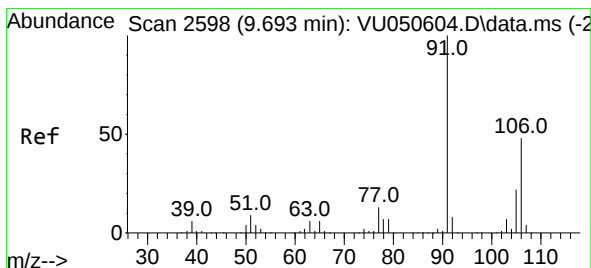
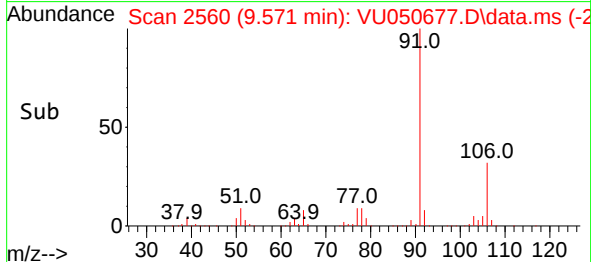
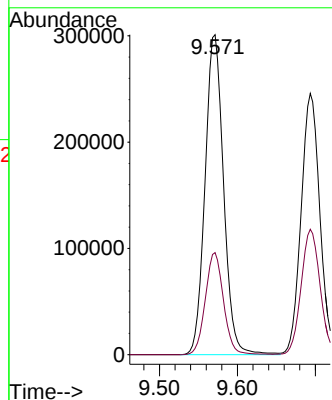
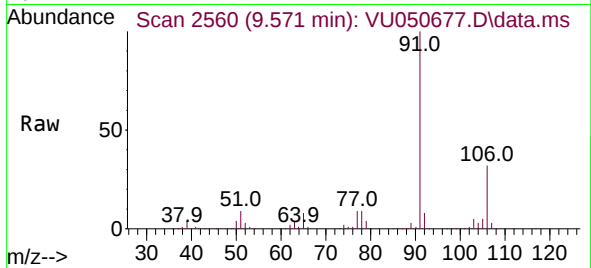




#52
Ethylbenzene
Concen: 49.448 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

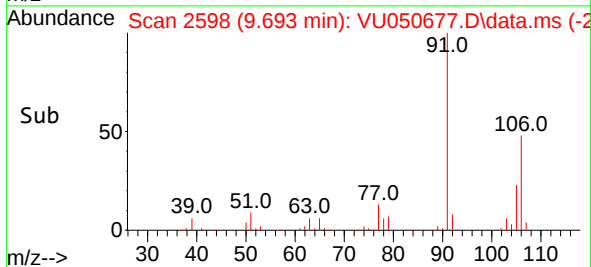
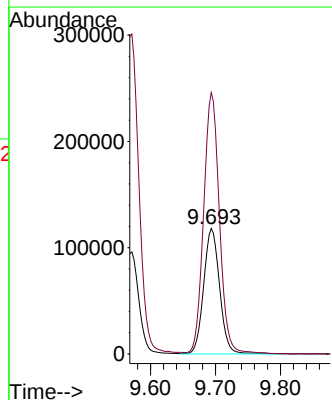
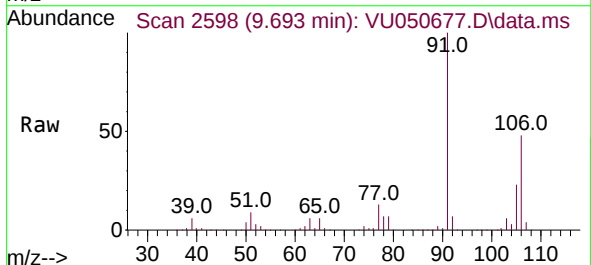
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

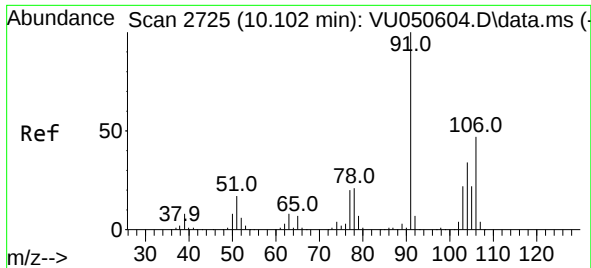
Tgt Ion: 91 Resp: 497718
Ion Ratio Lower Upper
91 100
106 31.9 21.2 39.4



#53
m,p-Xylene
Concen: 52.453 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion: 106 Resp: 202274
Ion Ratio Lower Upper
106 100
91 208.4 147.1 273.3

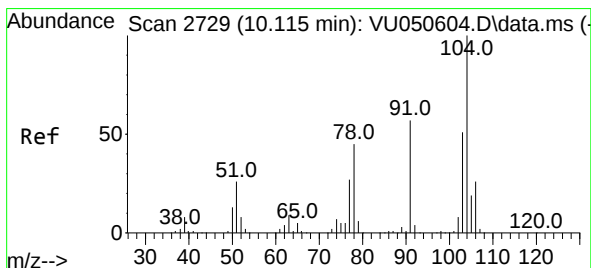
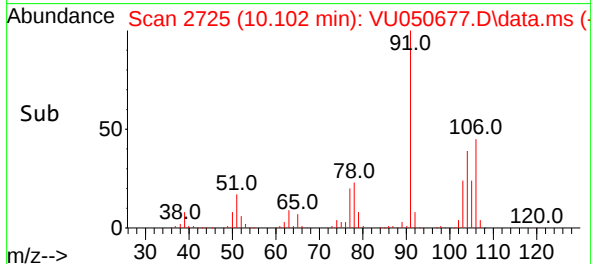
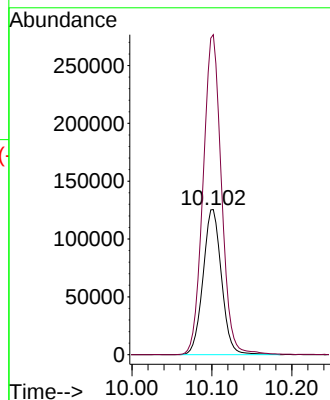
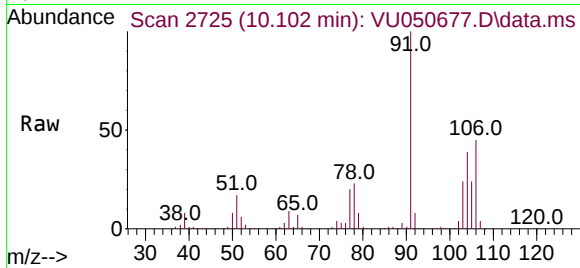




#54
o-Xylene
Concen: 52.631 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

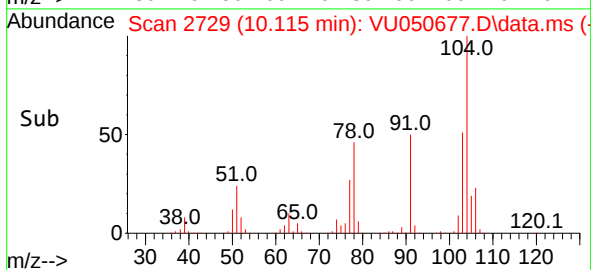
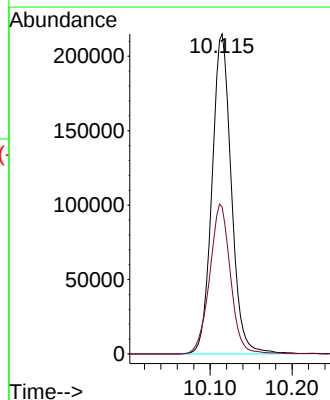
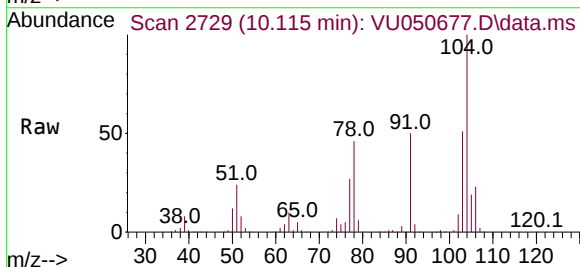
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

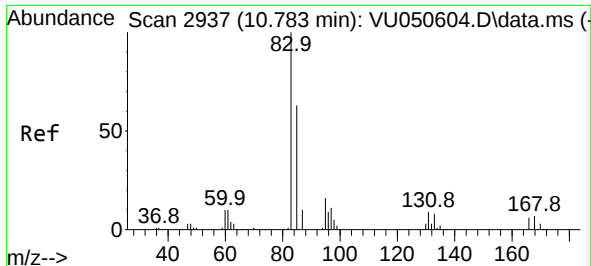
Tgt Ion:106 Resp: 202066
Ion Ratio Lower Upper
106 100
91 220.5 153.4 284.8



#55
Styrene
Concen: 55.934 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion:104 Resp: 353334
Ion Ratio Lower Upper
104 100
78 45.9 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 54.683 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

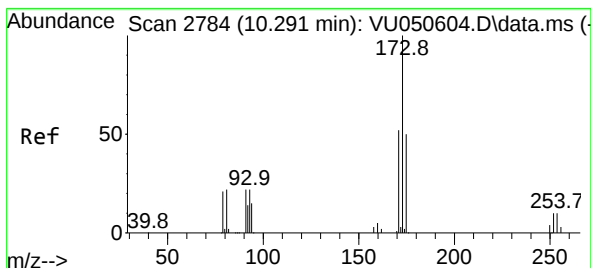
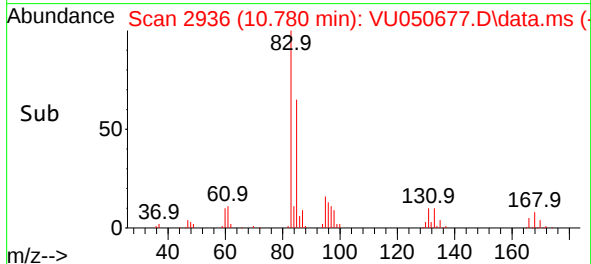
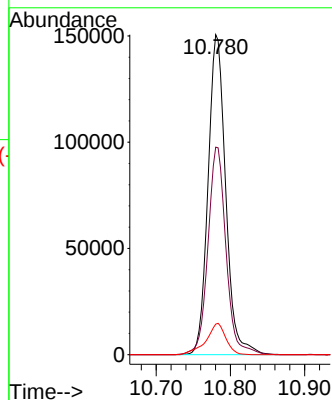
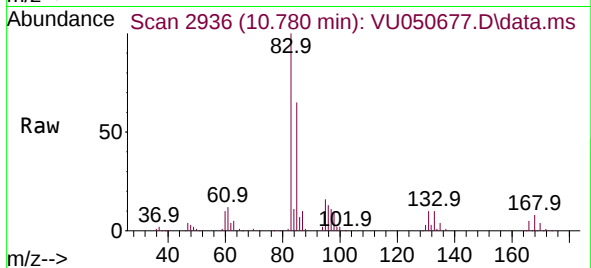
Tgt Ion: 83 Resp: 247911

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5

131 9.6 7.7 11.5



#59

Bromoform

Concen: 52.834 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

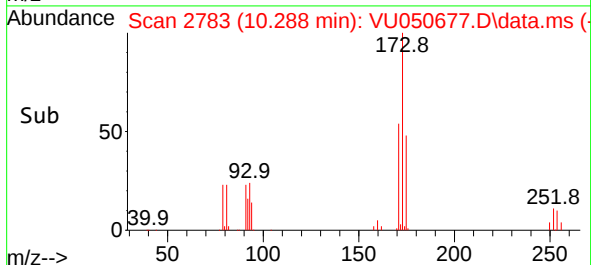
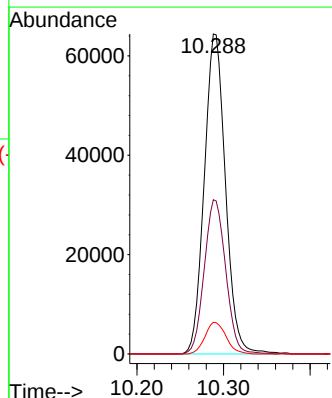
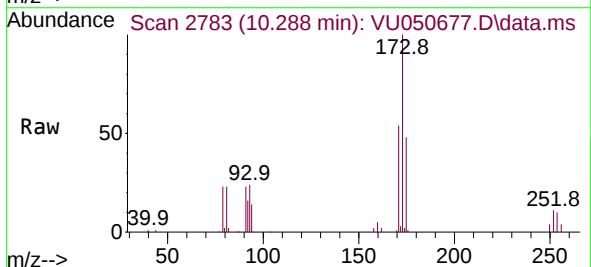
Tgt Ion: 173 Resp: 109486

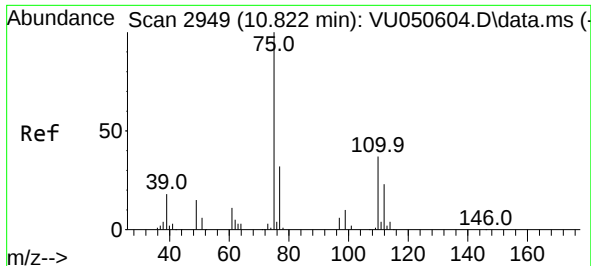
Ion Ratio Lower Upper

173 100

175 48.5 40.0 60.0

254 9.8 7.4 11.0

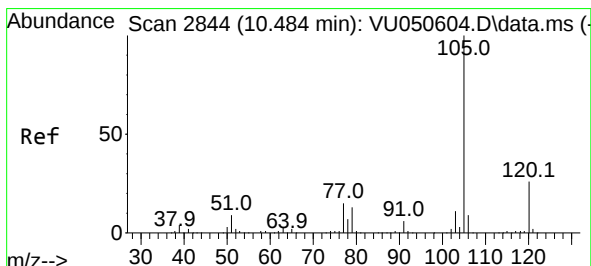
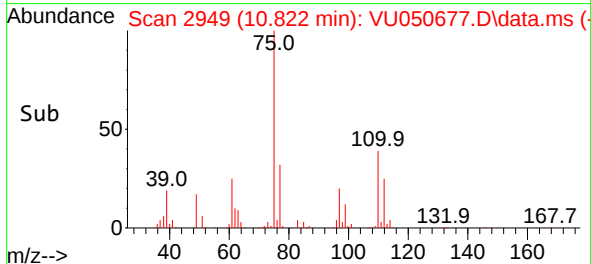
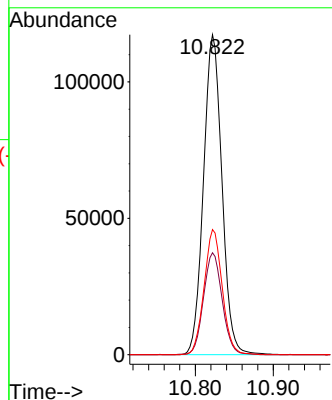
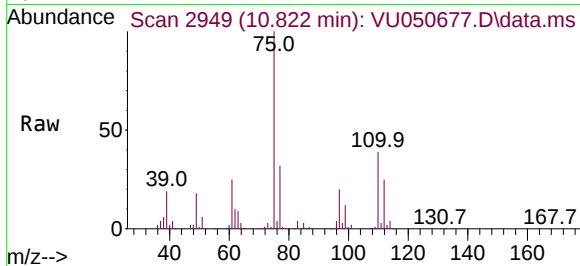




#60
1,2,3-Trichloropropane
Concen: 47.320 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

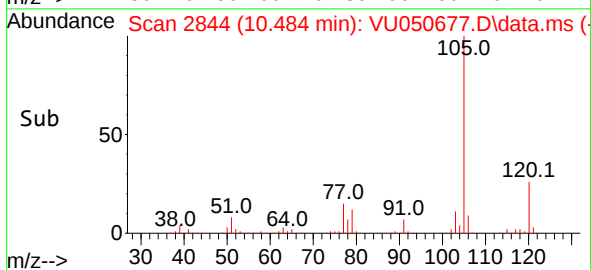
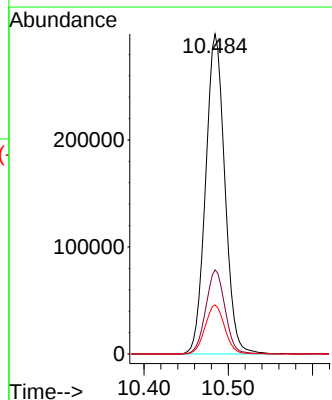
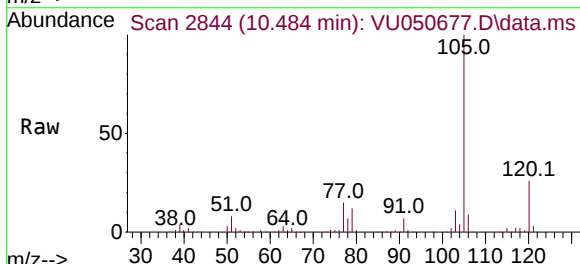
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

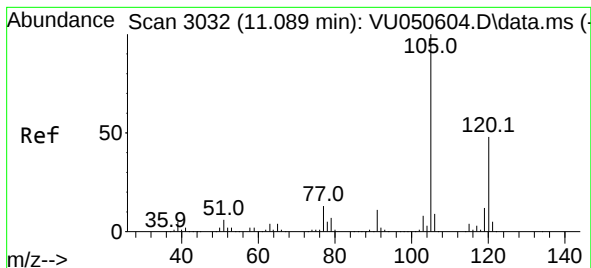
Tgt Ion: 75 Resp: 192839
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
110 38.4 29.3 43.9



#61
Isopropylbenzene
Concen: 43.170 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion: 105 Resp: 474610
Ion Ratio Lower Upper
105 100
120 26.4 20.4 30.6
77 15.6 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 44.131 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

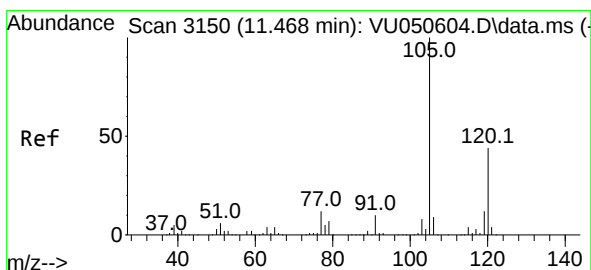
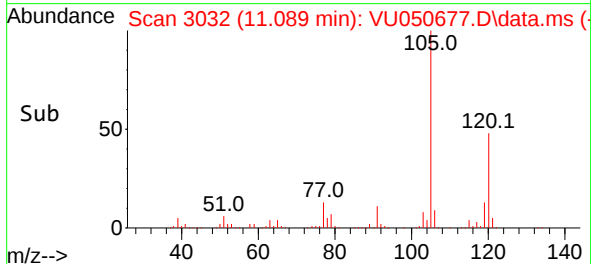
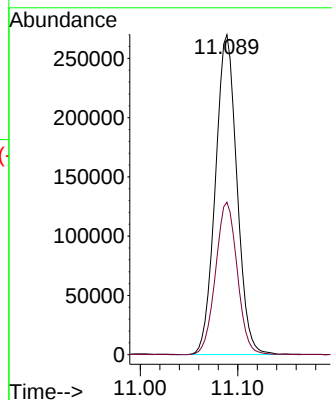
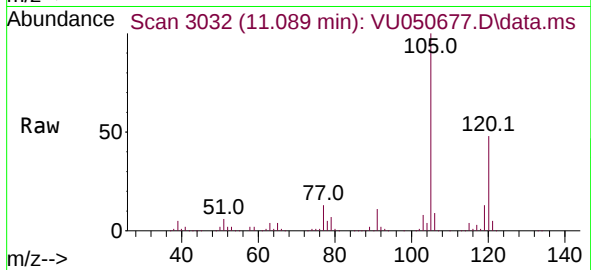
VSTD050194

Tgt Ion:105 Resp: 414782

Ion Ratio Lower Upper

105 100

120 48.1 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 45.697 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050677.D

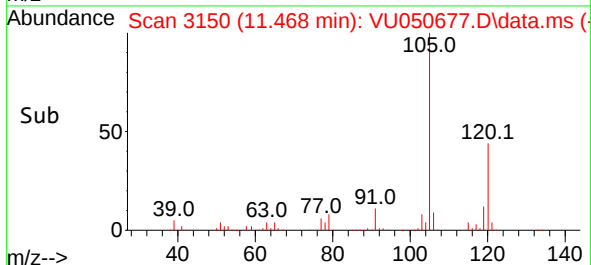
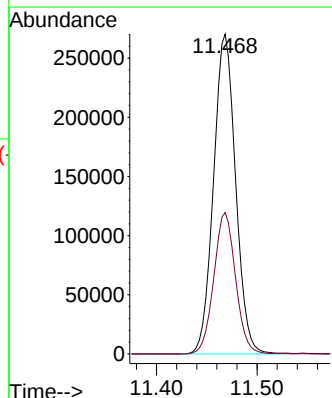
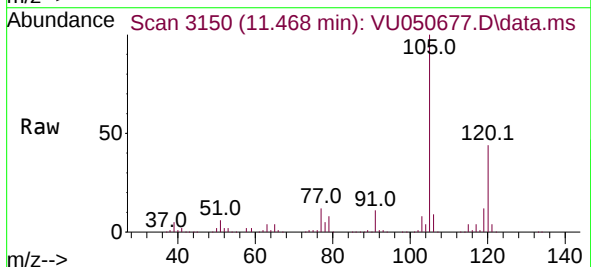
Acq: 08 Sep 2022 10:55

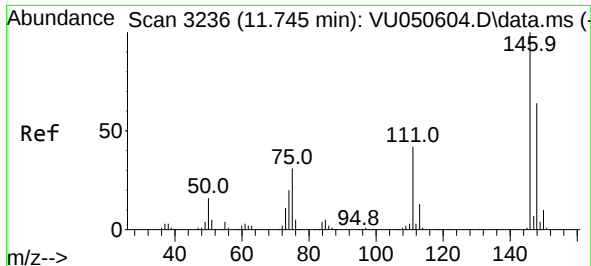
Tgt Ion:105 Resp: 412433

Ion Ratio Lower Upper

105 100

120 43.6 35.3 52.9

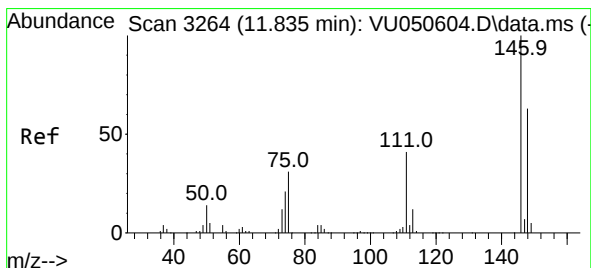
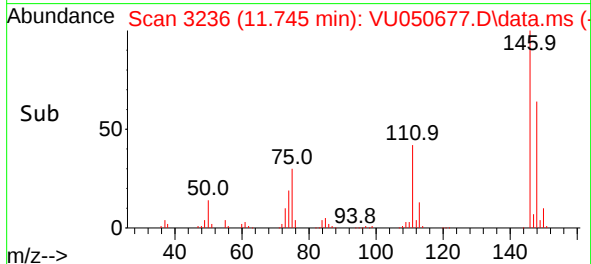
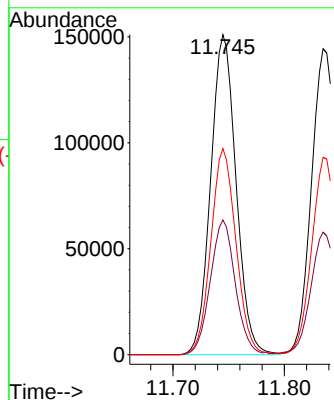
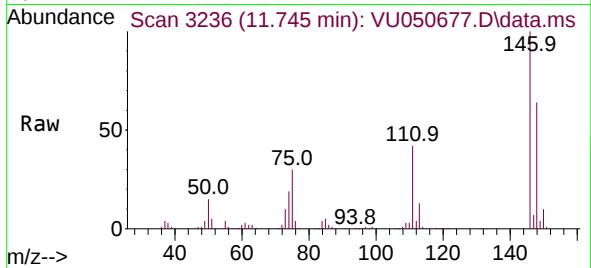




#64
1,3-Dichlorobenzene
Concen: 49.490 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

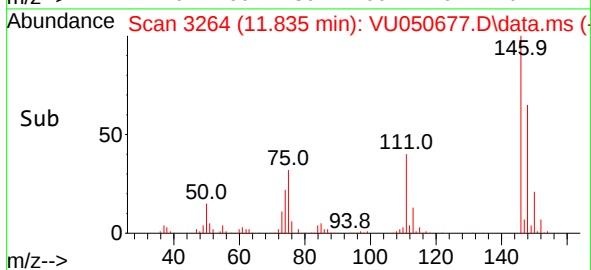
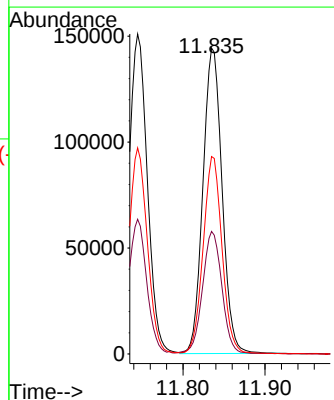
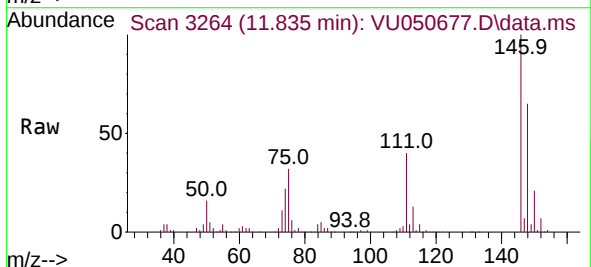
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

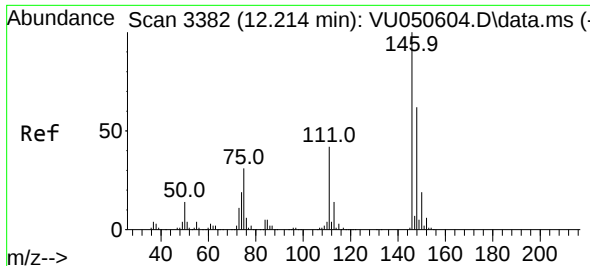
Tgt Ion:146 Resp: 239399
Ion Ratio Lower Upper
146 100
111 42.1 29.9 55.5
148 64.4 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 48.945 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion:146 Resp: 234033
Ion Ratio Lower Upper
146 100
111 40.1 27.9 51.7
148 64.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 49.549 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD050194

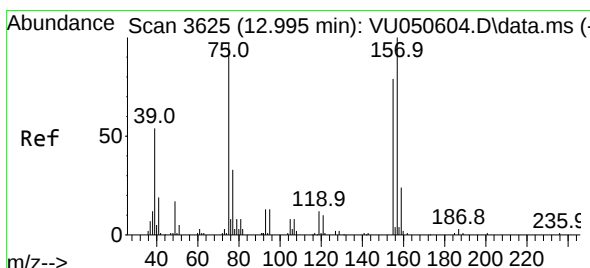
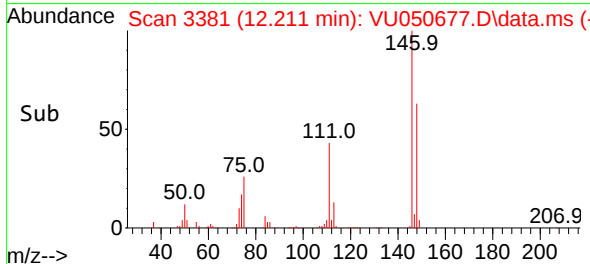
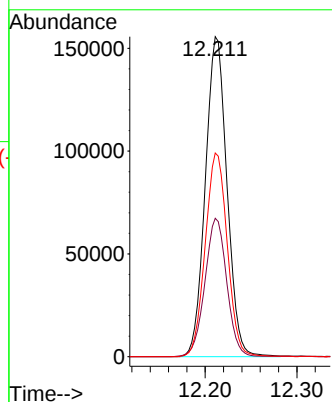
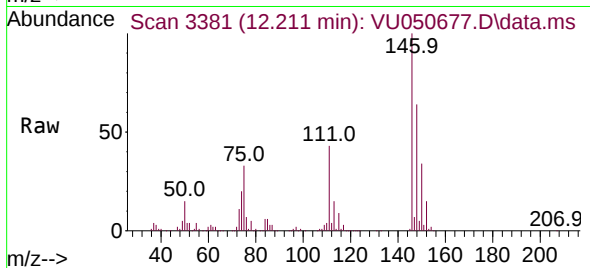
Tgt Ion:146 Resp: 255273

Ion Ratio Lower Upper

146 100

111 43.3 35.1 52.7

148 63.7 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 48.029 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050677.D

Acq: 08 Sep 2022 10:55

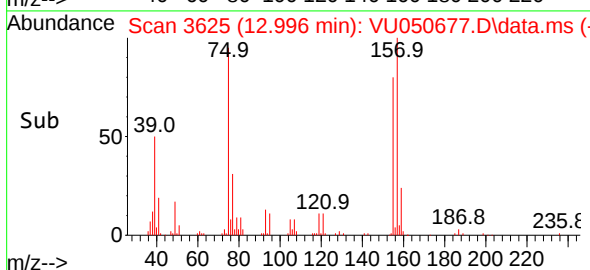
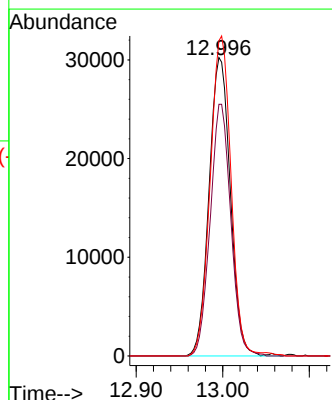
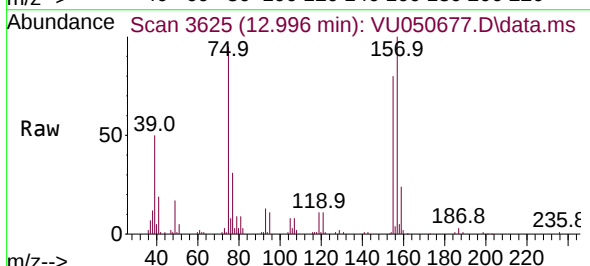
Tgt Ion: 75 Resp: 51687

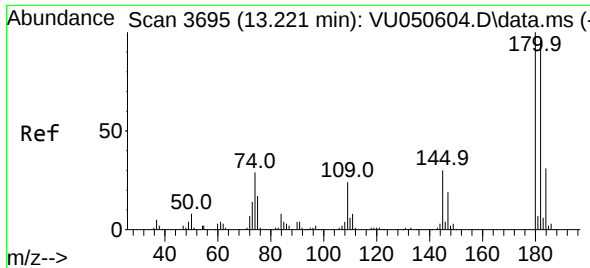
Ion Ratio Lower Upper

75 100

155 84.4 67.8 101.6

157 105.7 82.6 124.0

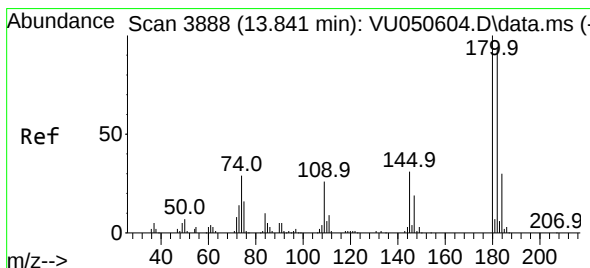
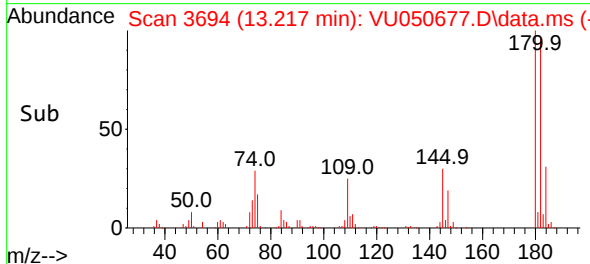
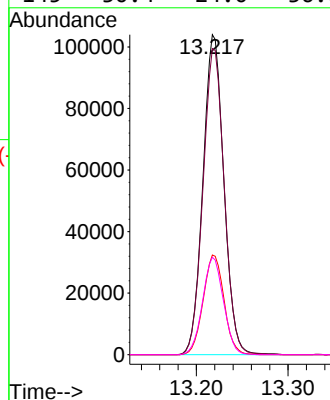
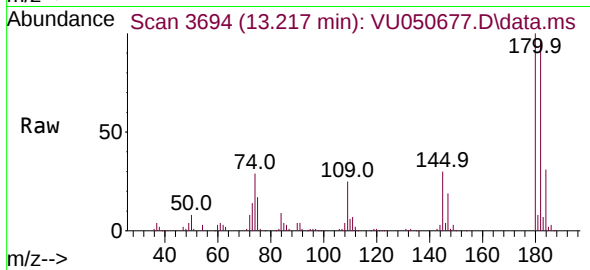




#69
1,3,5-Trichlorobenzene
Concen: 46.921 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.003 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

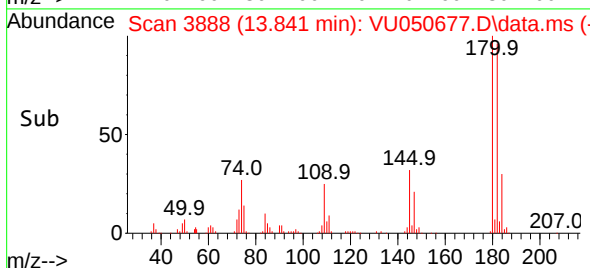
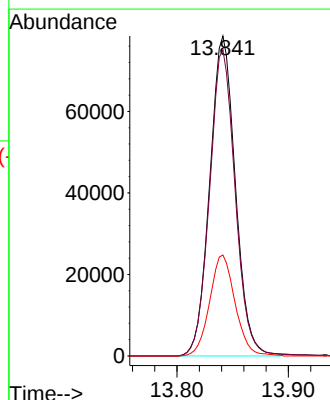
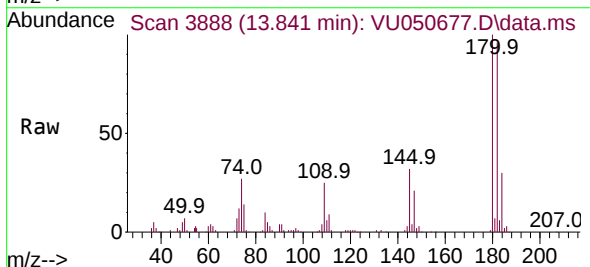
Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

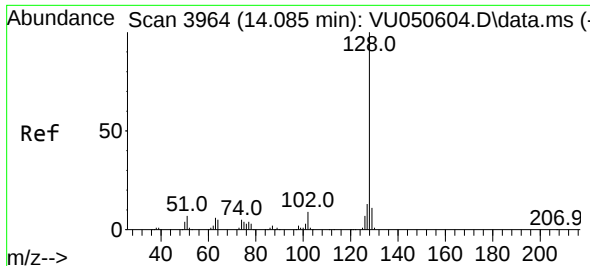
Tgt Ion:180 Resp: 164719
Ion Ratio Lower Upper
180 100
182 97.0 75.3 112.9
184 31.0 23.8 35.8
145 30.4 24.0 36.0



#70
1,2,4-trichlorobenzene
Concen: 42.045 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion:180 Resp: 125333
Ion Ratio Lower Upper
180 100
182 95.8 76.2 114.2
145 31.4 24.7 37.1

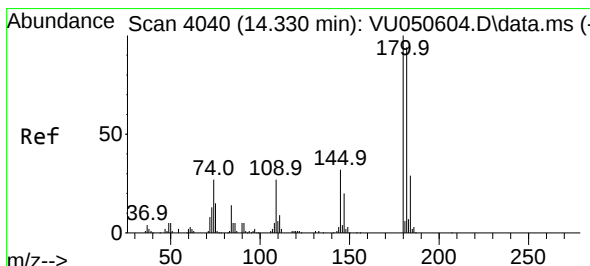
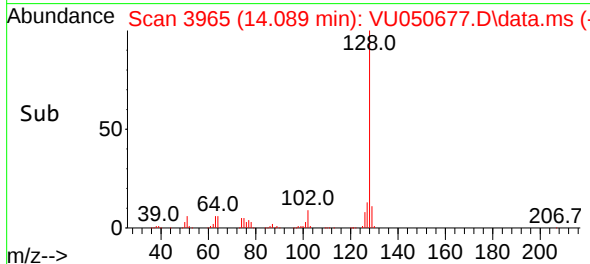
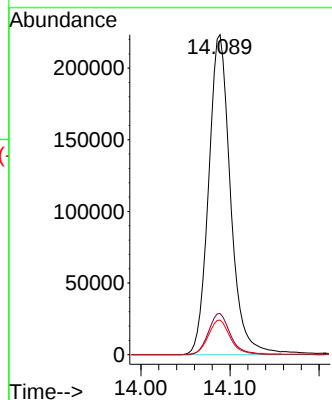
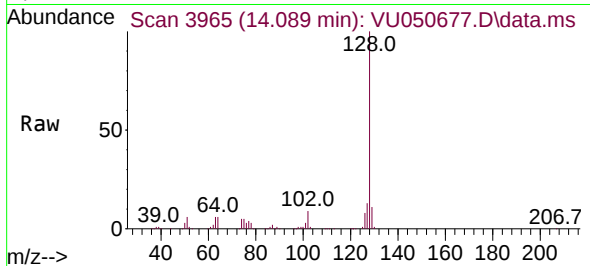




#71
Naphthalene
Concen: 35.981 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD050194

Tgt Ion:128 Resp: 380278
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.8 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 42.687 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050677.D
Acq: 08 Sep 2022 10:55

Tgt Ion:180 Resp: 137797
Ion Ratio Lower Upper
180 100
182 94.9 76.1 114.1
145 32.6 26.4 39.6

