

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090122\
 Data File : VU050594.D
 Acq On : 01 Sep 2022 20:29
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050187

Quant Time: Sep 02 02:12:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 02 02:07:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	443135	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	448374	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	190675	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	198898	58.522	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	117.040%	
7) Chloroethane-d5	1.900	69	155637	58.736	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	117.480%	
11) 1,1-Dichloroethene-d2	2.565	63	311632	54.307	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	108.620%	
21) 2-Butanone-d5	4.626	46	361805	121.722	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	121.720%	
24) Chloroform-d	5.063	84	390223	59.008	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	118.020%	
26) 1,2-Dichloroethane-d4	5.700	65	251122	58.460	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	116.920%	
32) Benzene-d6	5.726	84	781900	56.264	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	112.520%	
36) 1,2-Dichloropropane-d6	6.690	67	265774	57.437	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	114.880%	
41) Toluene-d8	7.896	98	672922	55.660	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	111.320%	
43) trans-1,3-Dichloroprop...	8.179	79	105759	56.831	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	113.660%	
47) 2-Hexanone-d5	8.636	63	179819	107.330	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	107.330%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	403744	55.940	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	111.880%	
66) 1,2-Dichlorobenzene-d4	12.192	152	224828	54.460	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	108.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	119131	42.702	ug/L	99
3) Chloromethane	1.517	50	222463	48.132	ug/L	98
5) Vinyl chloride	1.601	62	194906	45.670	ug/L	99
6) Bromomethane	1.848	94	96104	49.166	ug/L	99
8) Chloroethane	1.922	64	123938	46.145	ug/L	98
9) Trichlorofluoromethane	2.131	101	199604	40.661	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	131692	45.065	ug/L	99
12) 1,1-Dichloroethene	2.575	96	148079	48.493	ug/L	92
13) Acetone	2.633	43	239240	103.609	ug/L	100
14) Carbon disulfide	2.787	76	339393	45.230	ug/L	100
15) Methyl Acetate	2.951	43	256008	54.023	ug/L	98
16) Methylene chloride	3.041	84	223602	45.042	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	165995	50.191	ug/L	100
18) Methyl tert-butyl Ether	3.362	73	590015	52.634	ug/L	99
19) 1,1-Dichloroethane	3.867	63	354165	52.567	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	206476	52.453	ug/L	98
22) 2-Butanone	4.707	43	379388	106.225	ug/L	100
23) Bromochloromethane	4.973	128	111467	52.904	ug/L	95
25) Chloroform	5.086	83	365791	52.590	ug/L	98

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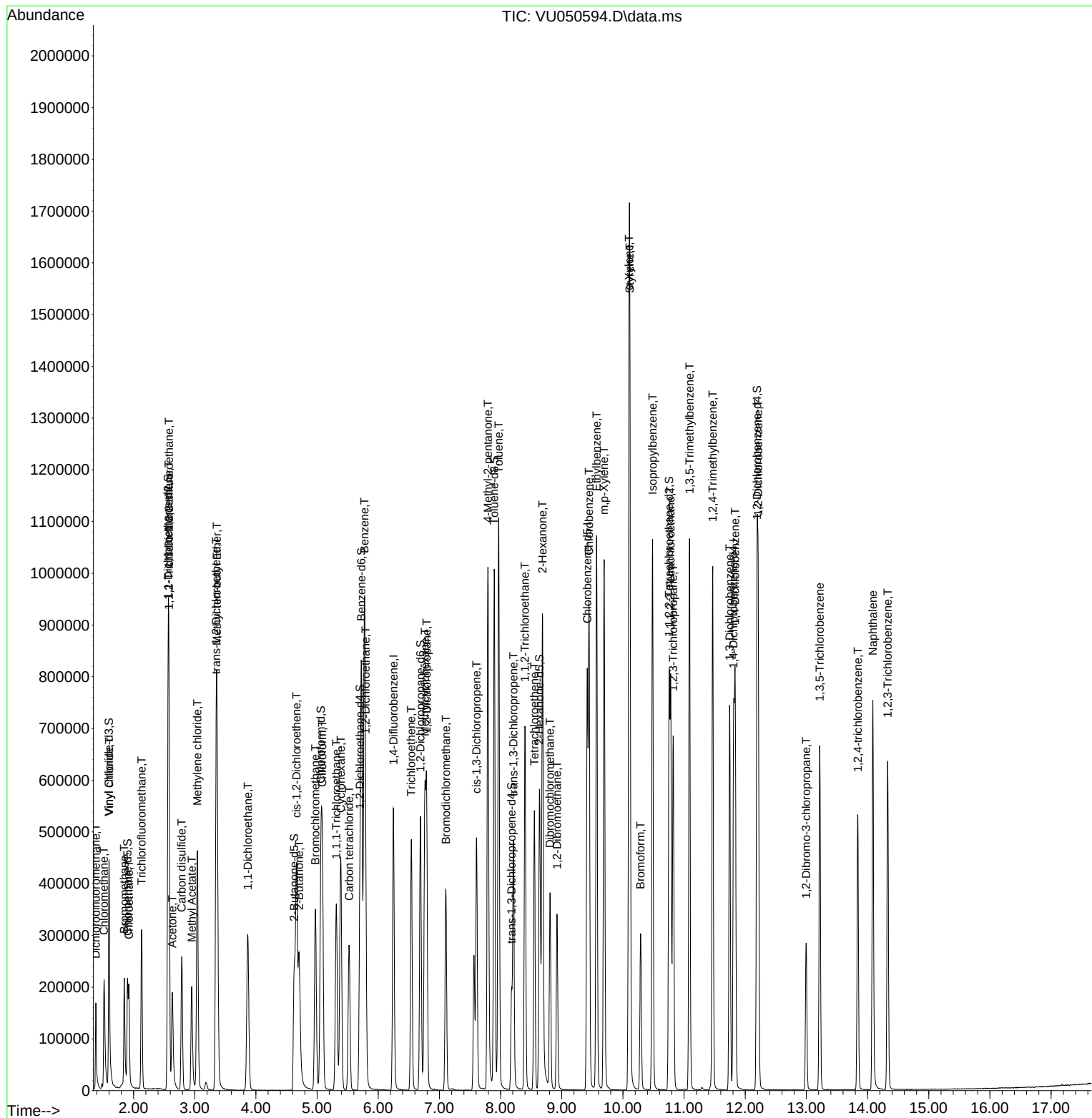
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	292236	52.966	ug/L	98
29) Cyclohexane	5.388	56	215086	42.925	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	259620	47.791	ug/L	98
31) Carbon tetrachloride	5.523	117	193228	46.586	ug/L	98
33) Benzene	5.774	78	818490	50.250	ug/L	100
34) Trichloroethene	6.539	95	174438	46.670	ug/L	99
35) Methylcyclohexane	6.764	83	207734	41.336	ug/L	99
37) 1,2-Dichloropropane	6.790	63	230079	51.592	ug/L	100
38) Bromodichloromethane	7.105	83	253536	50.247	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	295028	50.210	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	677034	104.879	ug/L	99
42) Toluene	7.970	91	822693	50.909	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	274317	51.248	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	223711	51.681	ug/L	98
46) Tetrachloroethene	8.552	164	117817	45.061	ug/L	95
48) 2-Hexanone	8.687	43	560861	101.634	ug/L	98
49) Dibromochloromethane	8.809	129	192545	51.233	ug/L	100
50) 1,2-Dibromoethane	8.922	107	228876	51.222	ug/L	99
51) Chlorobenzene	9.446	112	491771	48.900	ug/L	99
52) Ethylbenzene	9.571	91	757227	48.411	ug/L	99
53) m,p-Xylene	9.693	106	293673	49.834	ug/L	100
54) o-Xylene	10.099	106	303039	50.550	ug/L	98
55) Styrene	10.115	104	521982	52.471	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	386305	50.018	ug/L	100
59) Bromoform	10.288	173	137604	53.899	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	300148	52.439	ug/L	99
61) Isopropylbenzene	10.484	105	681618	50.134	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	566014	50.642	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	544573	50.163	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	301200	46.429	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	305799	46.485	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	338080	48.071	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	71502	52.350	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	206410	46.496	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	165291	41.861	ug/L	98
71) Naphthalene	14.086	128	616755	38.069	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	195985	42.947	ug/L	99

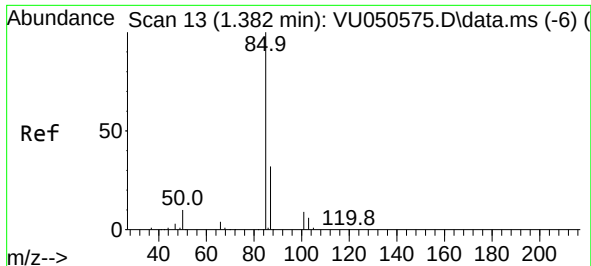
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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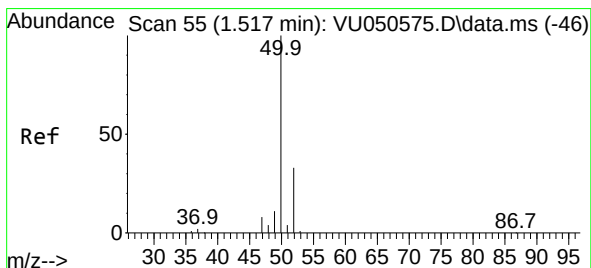
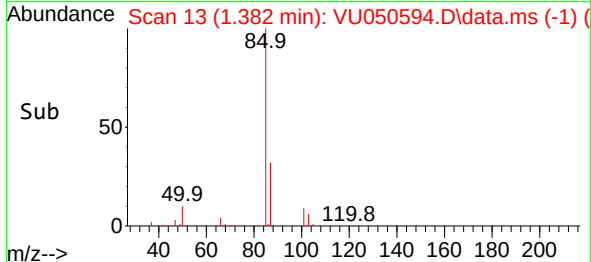
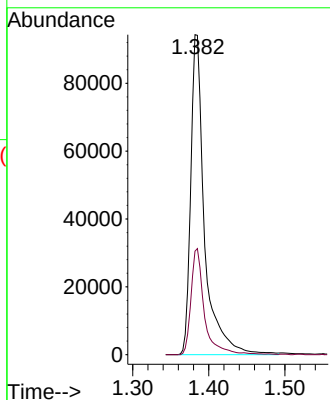
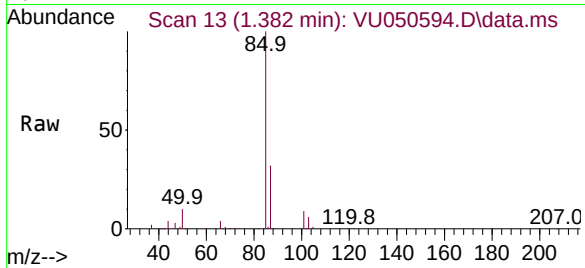




#2
Dichlorodifluoromethane
Concen: 42.702 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

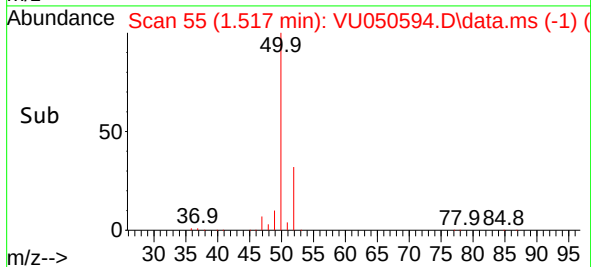
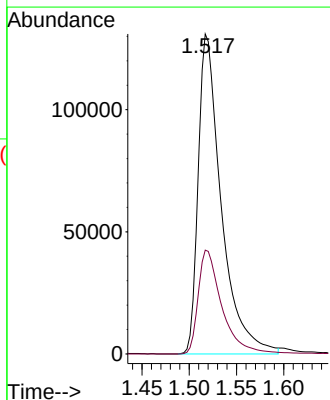
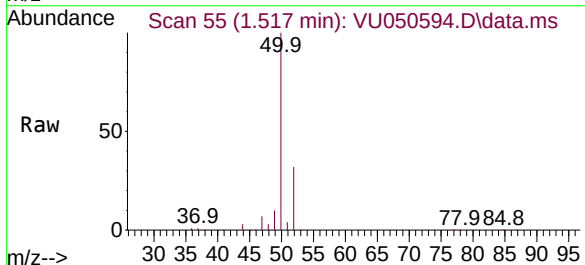
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

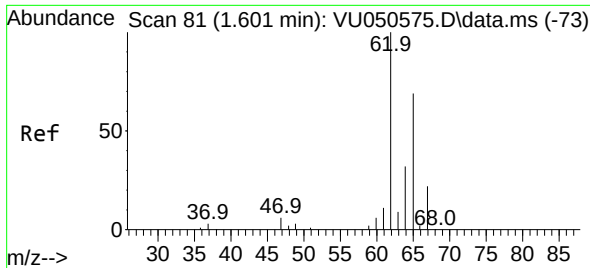
Tgt Ion: 85 Resp: 119131
Ion Ratio Lower Upper
85 100
87 31.6 25.5 38.3



#3
Chloromethane
Concen: 48.132 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion: 50 Resp: 222463
Ion Ratio Lower Upper
50 100
52 32.4 23.6 43.8

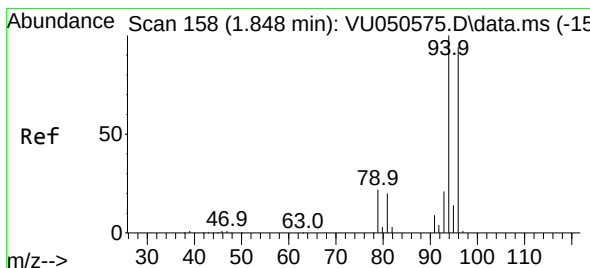
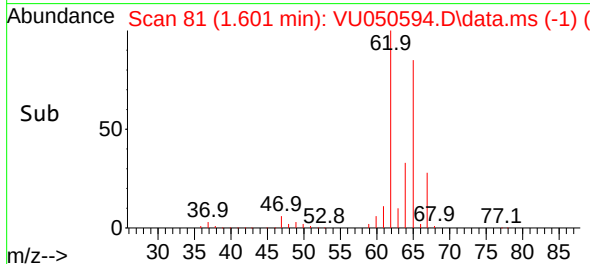
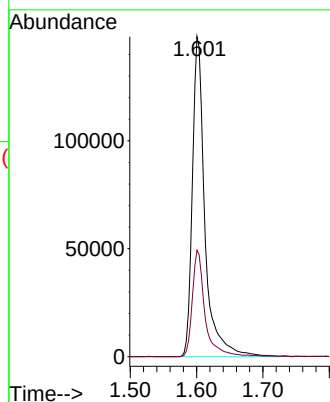
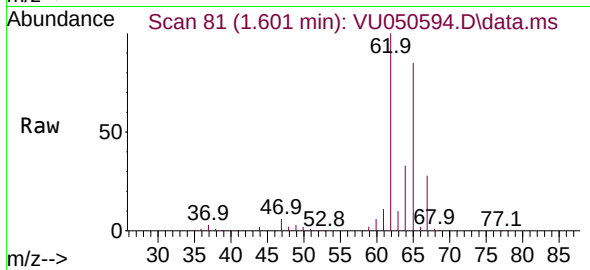




#5
 Vinyl chloride
 Concen: 45.670 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU050594.D
 Acq: 01 Sep 2022 20:29

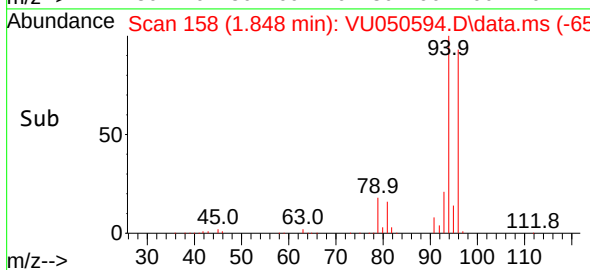
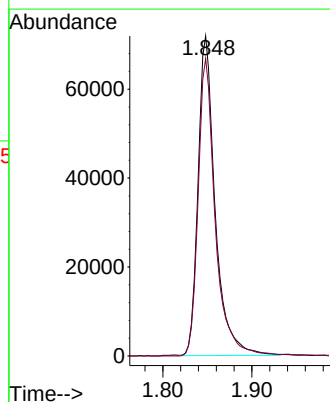
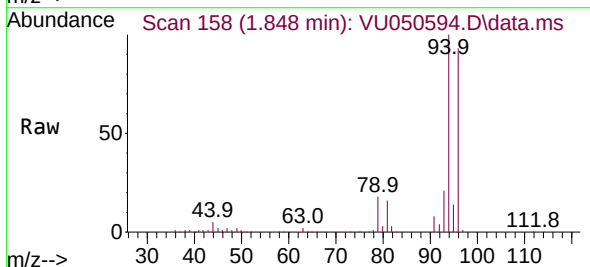
Instrument :
 MSVOA_U
 ClientSampleId :
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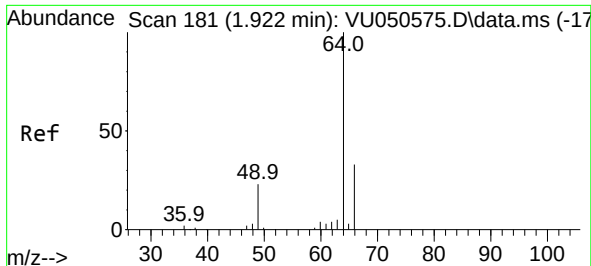
Tgt Ion: 62 Resp: 194906
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.9 42.5



#6
 Bromomethane
 Concen: 49.166 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. -0.000 min
 Lab File: VU050594.D
 Acq: 01 Sep 2022 20:29

Tgt Ion: 94 Resp: 96104
 Ion Ratio Lower Upper
 94 100
 96 93.0 65.9 122.3

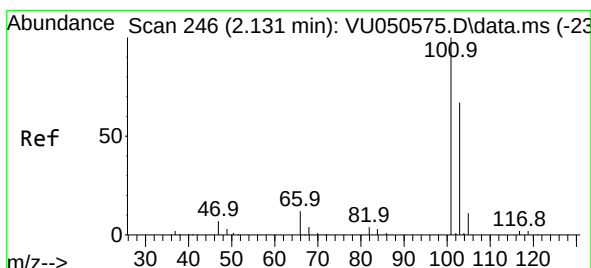
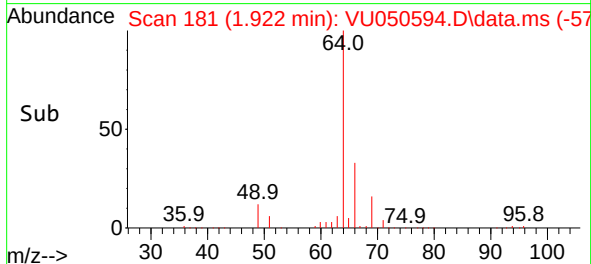
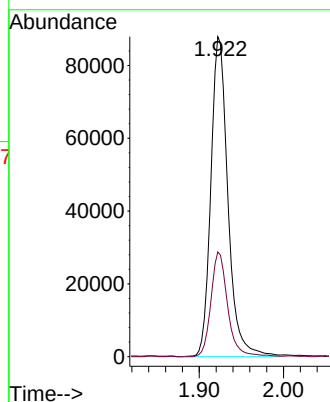
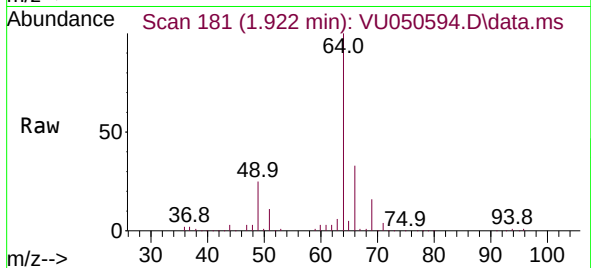




#8
Chloroethane
Concen: 46.145 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

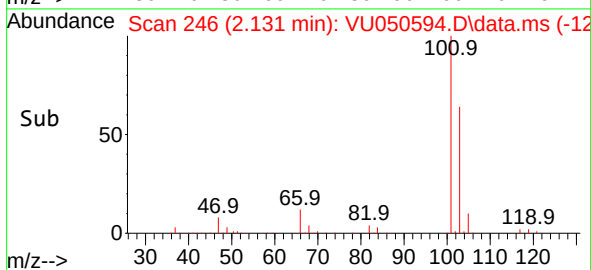
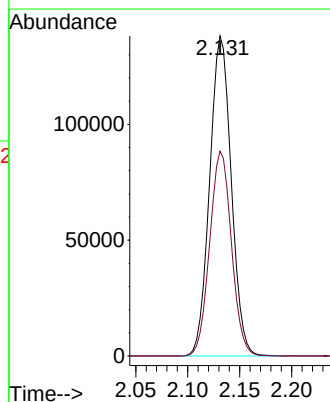
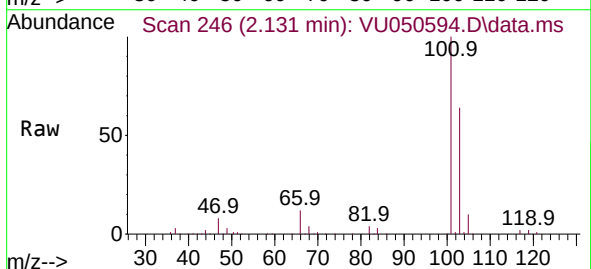
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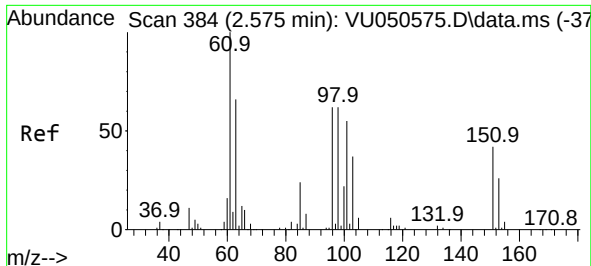
Tgt Ion: 64 Resp: 123938
Ion Ratio Lower Upper
64 100
66 32.8 22.2 41.2



#9
Trichlorofluoromethane
Concen: 40.661 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion: 101 Resp: 199604
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

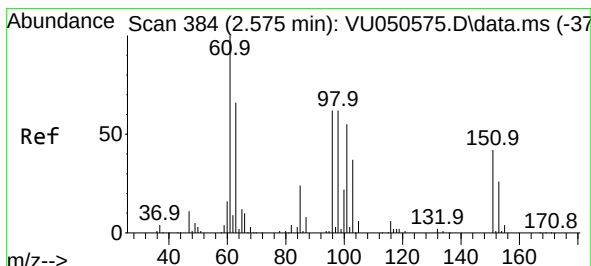
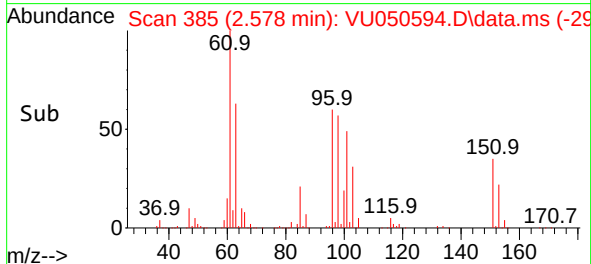
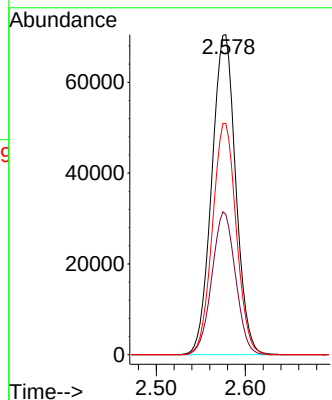
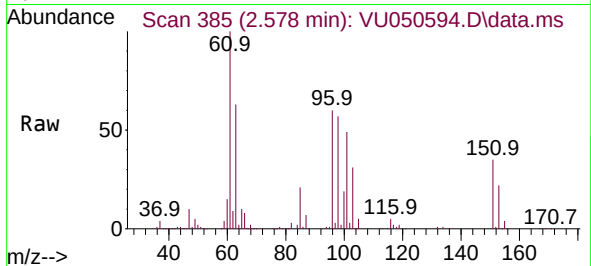




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.065 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050594.D
 Acq: 01 Sep 2022 20:29

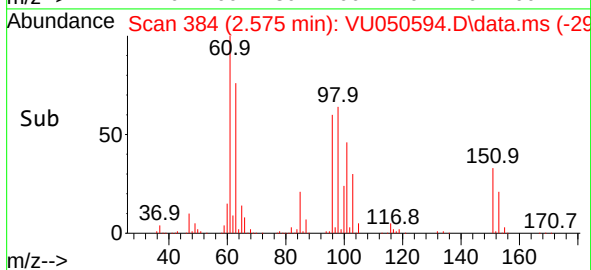
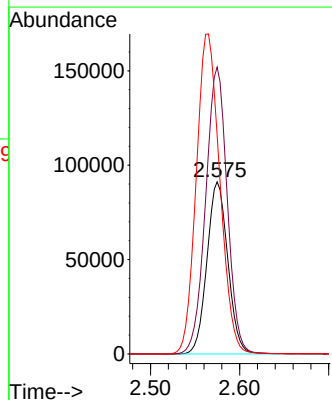
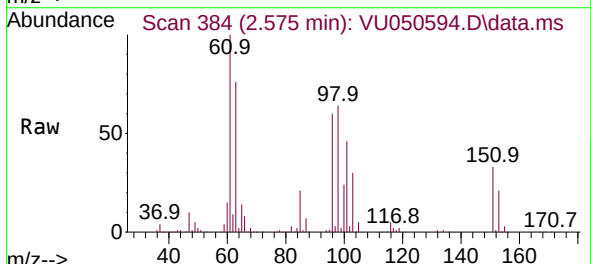
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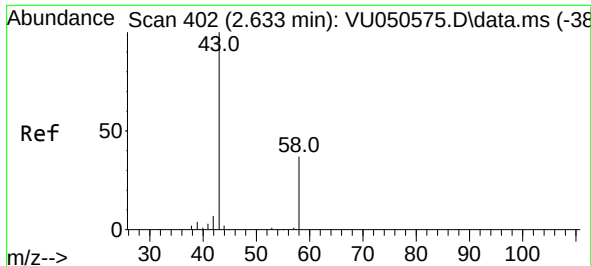
Tgt Ion:101 Resp: 131692
 Ion Ratio Lower Upper
 101 100
 85 43.9 34.6 52.0
 151 71.9 58.2 87.2



#12
 1,1-Dichloroethene
 Concen: 48.493 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU050594.D
 Acq: 01 Sep 2022 20:29

Tgt Ion: 96 Resp: 148079
 Ion Ratio Lower Upper
 96 100
 61 166.6 113.5 210.9
 63 126.8 78.0 144.9





#13

Acetone

Concen: 103.609 ug/L

RT: 2.633 min Scan# 402

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

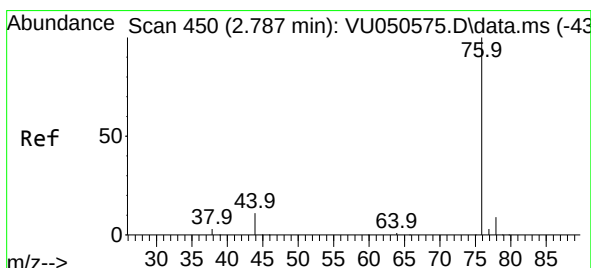
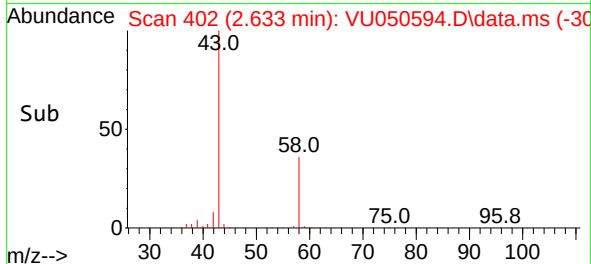
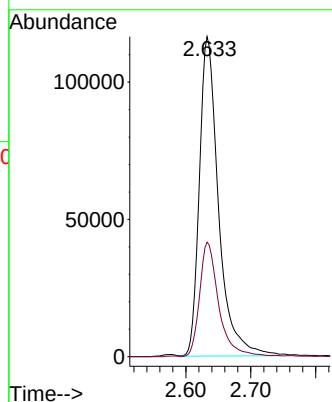
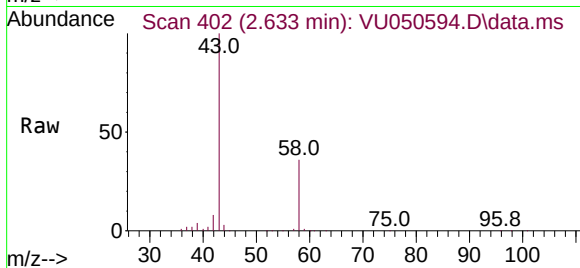
VSTD050187

Tgt Ion: 43 Resp: 239240

Ion Ratio Lower Upper

43 100

58 35.7 0.0 71.6



#14

Carbon disulfide

Concen: 45.230 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

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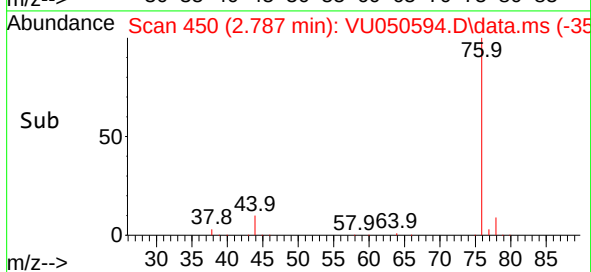
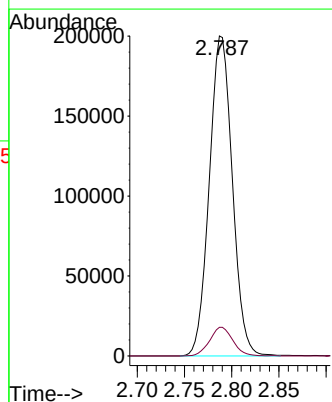
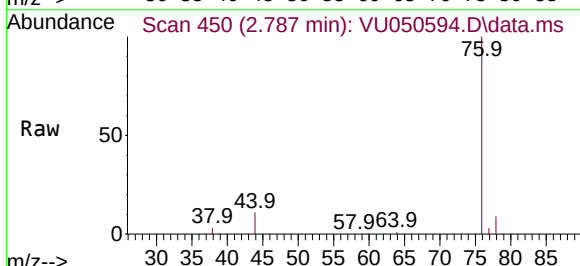
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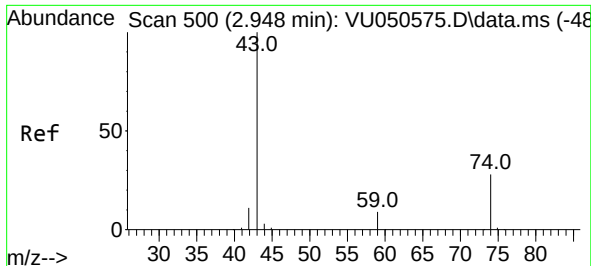
Tgt Ion: 76 Resp: 339393

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

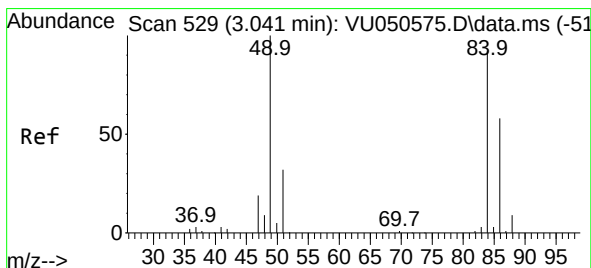
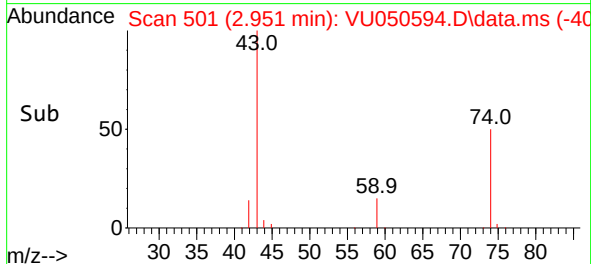
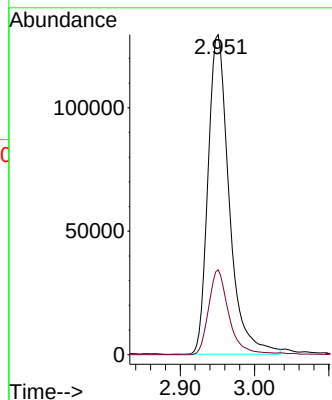
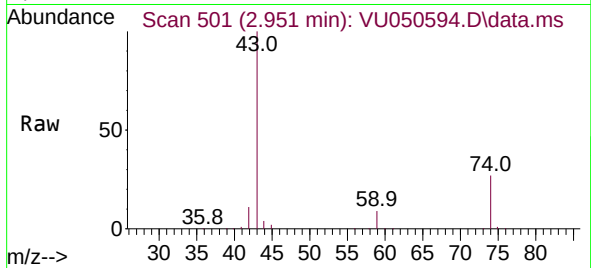




#15
Methyl Acetate
Concen: 54.023 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

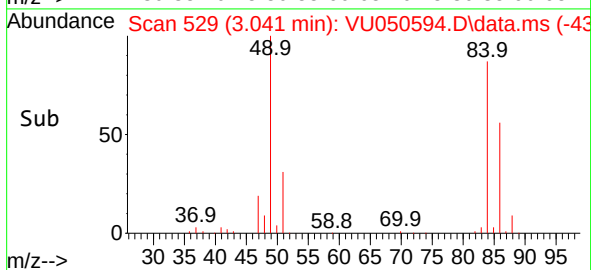
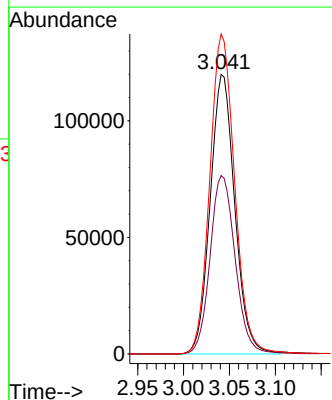
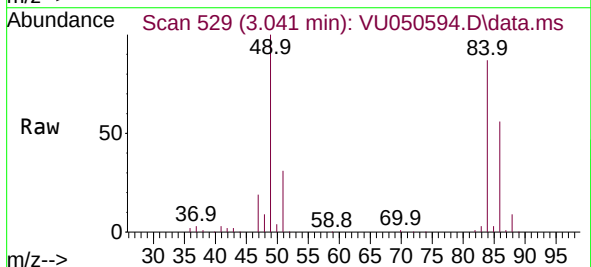
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

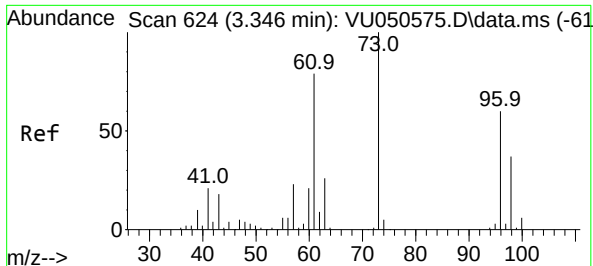
Tgt Ion: 43 Resp: 256008
Ion Ratio Lower Upper
43 100
74 25.4 21.0 31.6



#16
Methylene chloride
Concen: 45.042 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion: 84 Resp: 223602
Ion Ratio Lower Upper
84 100
86 63.8 44.3 82.3
49 114.4 78.8 146.3





#17

trans-1,2-Dichloroethene

Concen: 50.191 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050187

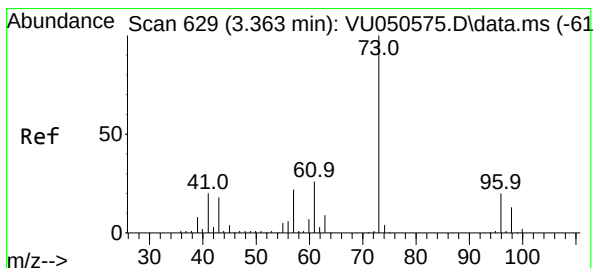
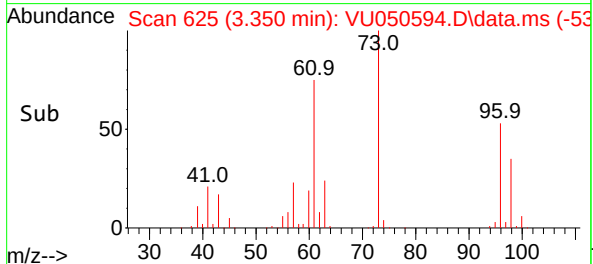
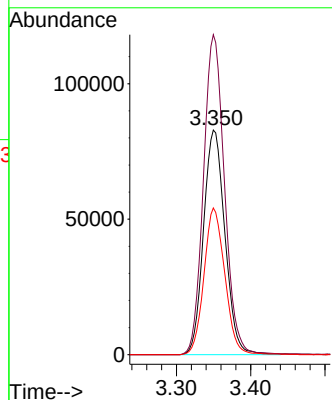
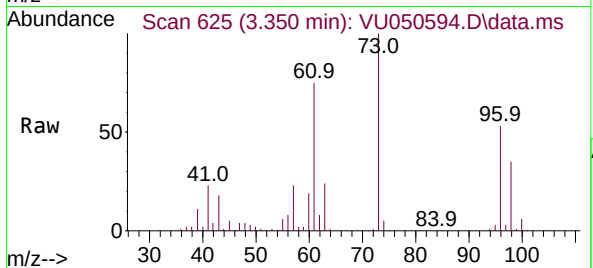
Tgt Ion: 96 Resp: 165995

Ion Ratio Lower Upper

96 100

61 142.4 99.7 185.1

98 65.3 46.2 85.8



#18

Methyl tert-butyl Ether

Concen: 52.634 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

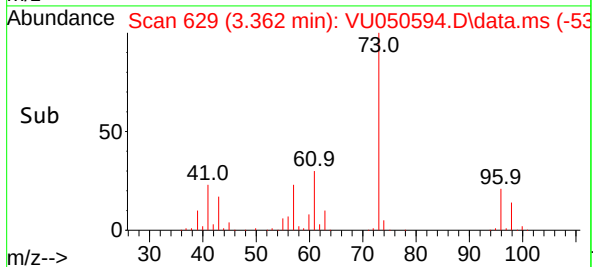
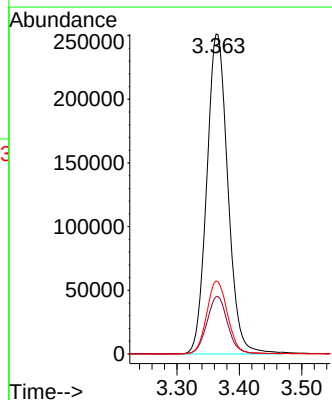
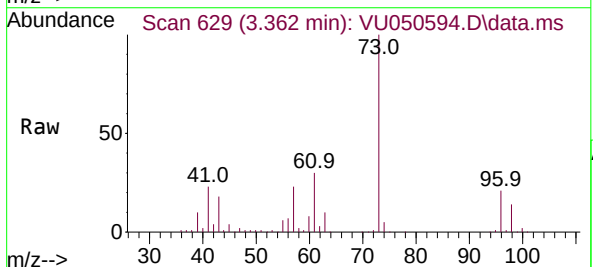
Tgt Ion: 73 Resp: 590015

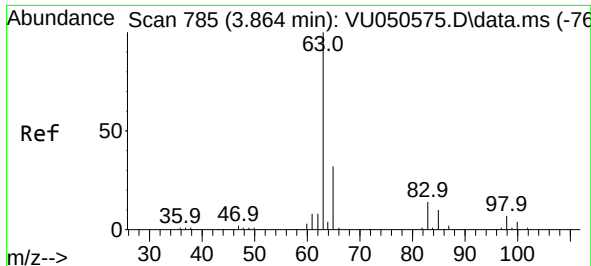
Ion Ratio Lower Upper

73 100

43 17.5 13.9 20.9

57 22.7 17.8 26.6





#19

1,1-Dichloroethane

Concen: 52.567 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050187

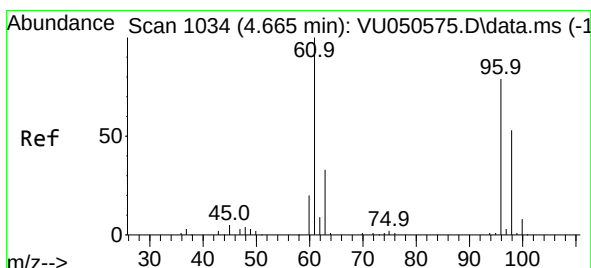
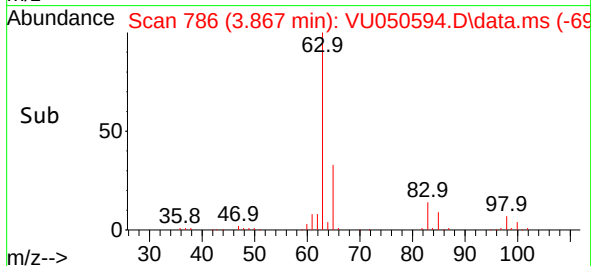
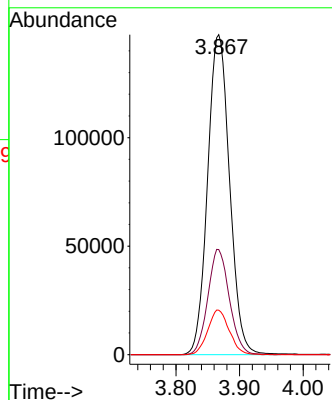
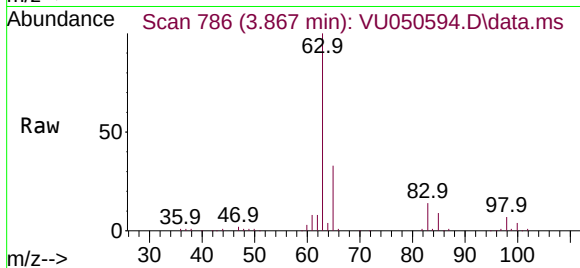
Tgt Ion: 63 Resp: 354165

Ion Ratio Lower Upper

63 100

65 32.9 22.5 41.9

83 13.9 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 52.453 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

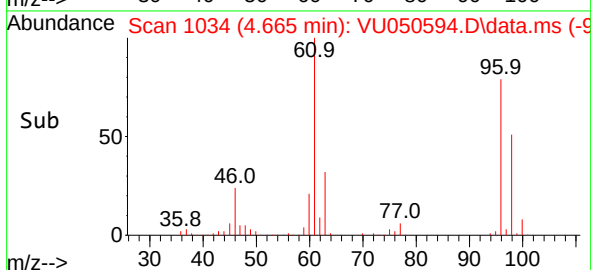
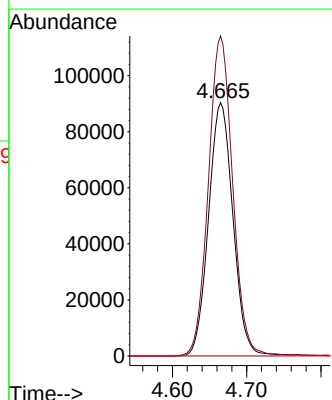
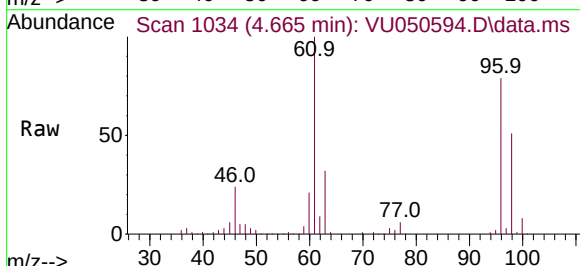
Tgt Ion: 96 Resp: 206476

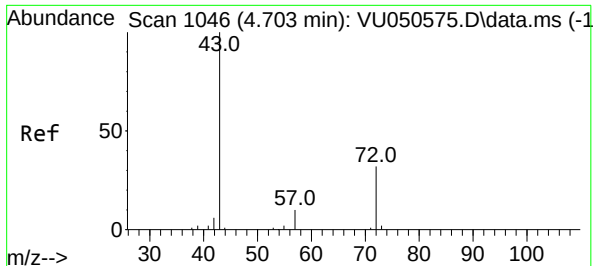
Ion Ratio Lower Upper

96 100

61 126.3 86.8 161.2

68 0.0 0.0 0.0

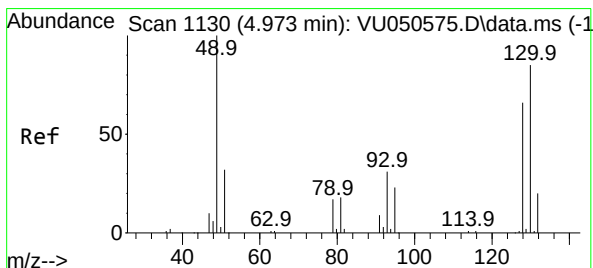
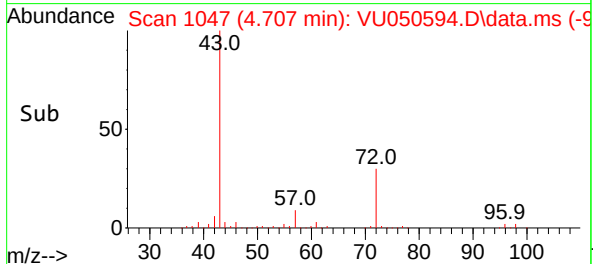
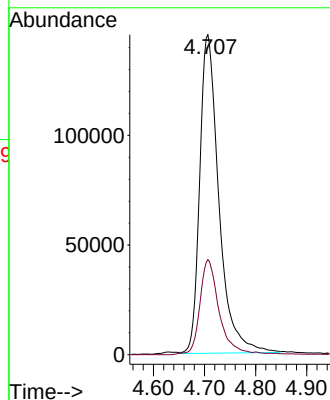
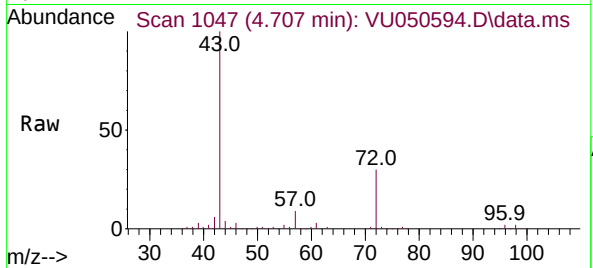




#22
2-Butanone
Concen: 106.225 ug/L
RT: 4.707 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

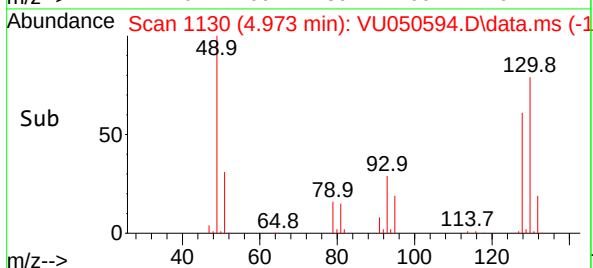
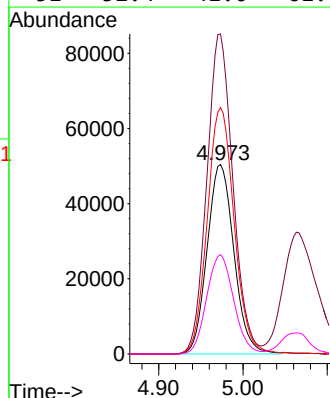
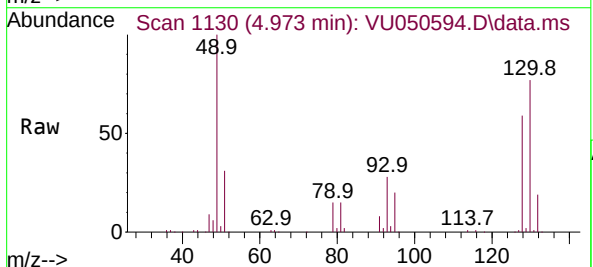
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

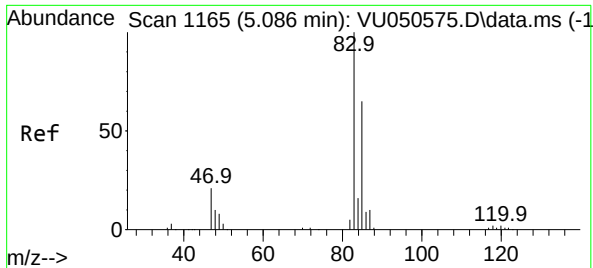
Tgt Ion: 43 Resp: 379388
Ion Ratio Lower Upper
43 100
72 29.6 14.8 44.3



#23
Bromochloromethane
Concen: 52.904 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion: 128 Resp: 111467
Ion Ratio Lower Upper
128 100
49 168.9 111.9 207.7
130 130.0 87.8 163.0
51 52.4 41.0 61.4

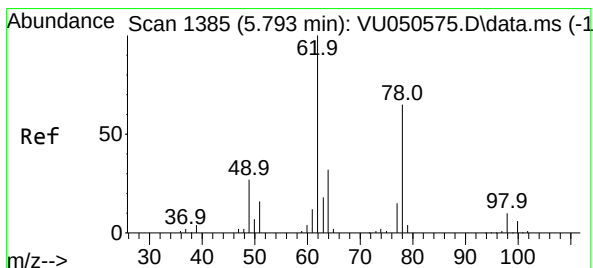
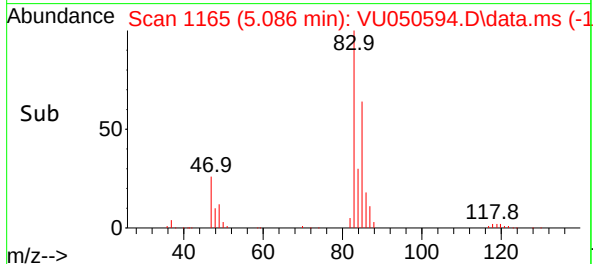
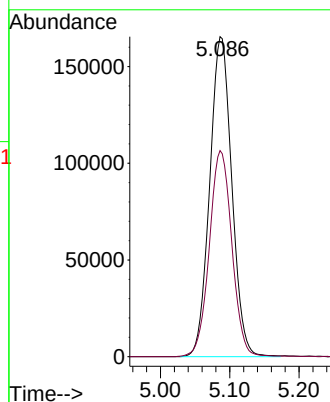
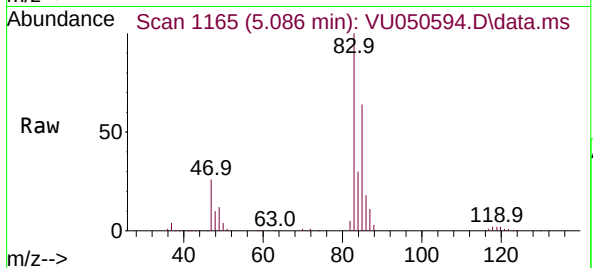




#25
Chloroform
Concen: 52.590 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

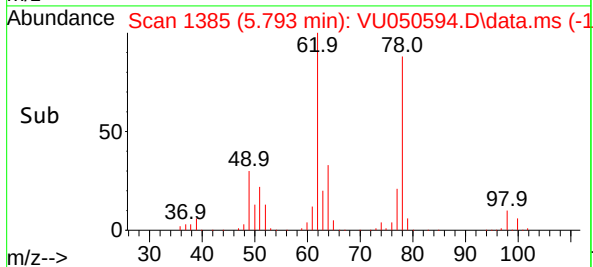
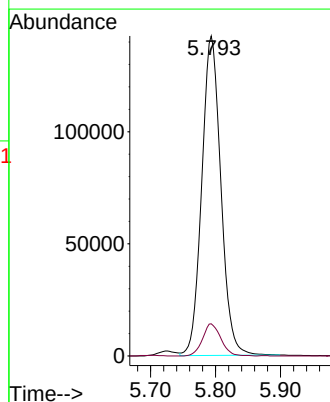
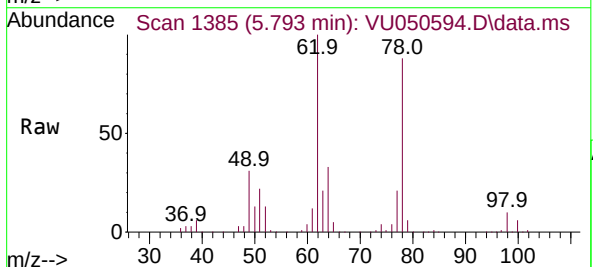
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

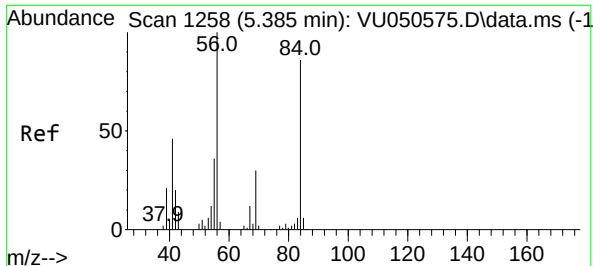
Tgt Ion: 83 Resp: 365791
Ion Ratio Lower Upper
83 100
85 64.4 46.3 85.9



#27
1,2-Dichloroethane
Concen: 52.966 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion: 62 Resp: 292236
Ion Ratio Lower Upper
62 100
98 10.0 7.5 11.3





#29

Cyclohexane

Concen: 42.925 ug/L

RT: 5.388 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050187

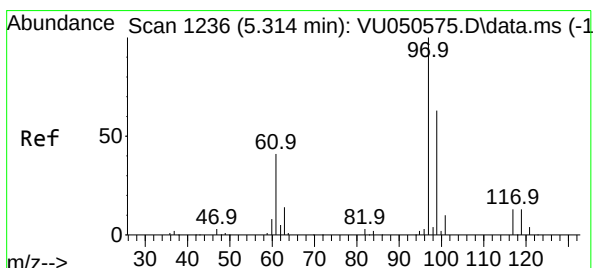
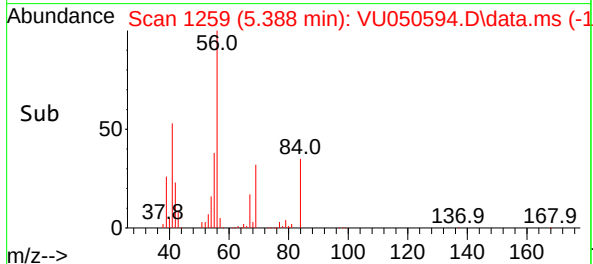
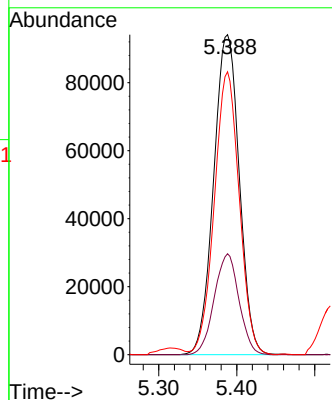
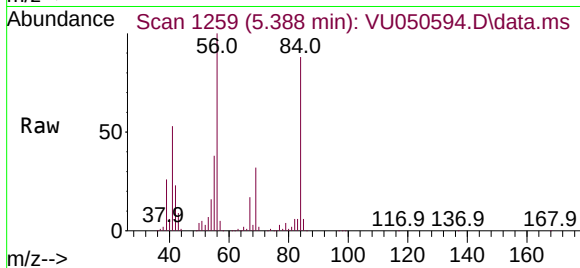
Tgt Ion: 56 Resp: 215086

Ion Ratio Lower Upper

56 100

69 30.4 24.8 37.2

84 86.0 68.9 103.3



#30

1,1,1-Trichloroethane

Concen: 47.791 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

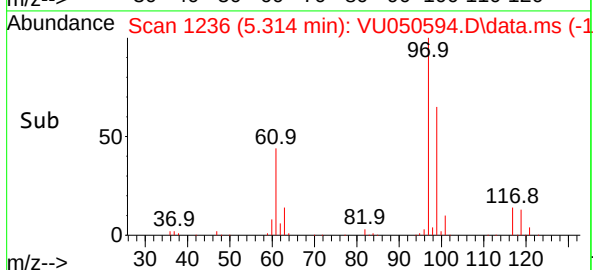
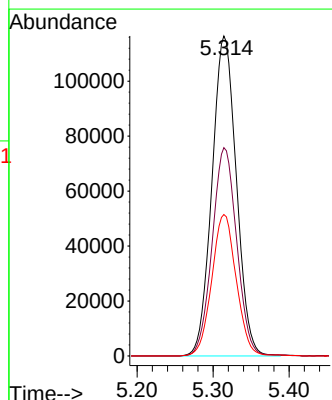
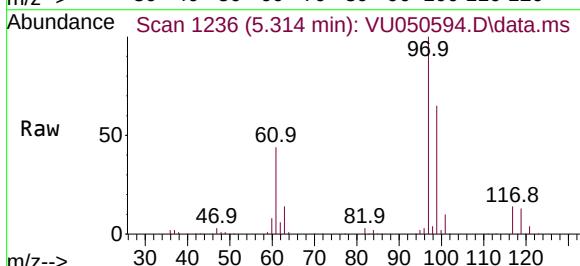
Tgt Ion: 97 Resp: 259620

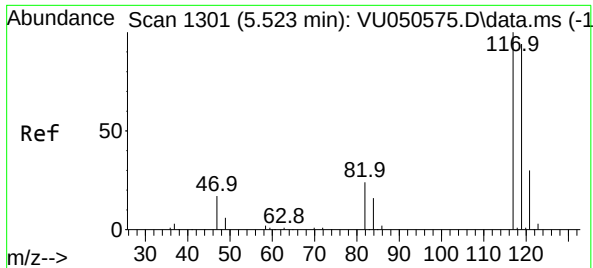
Ion Ratio Lower Upper

97 100

99 65.5 51.5 77.3

61 44.3 36.4 54.6

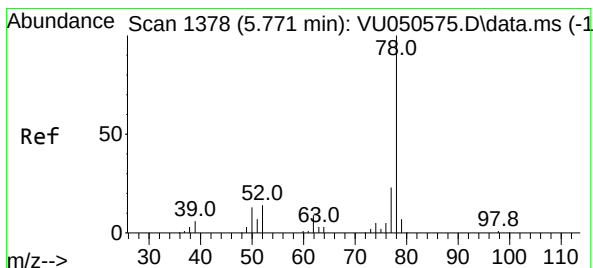
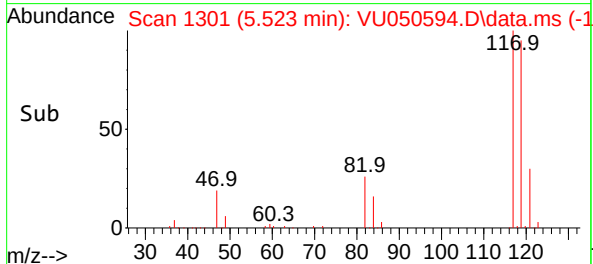
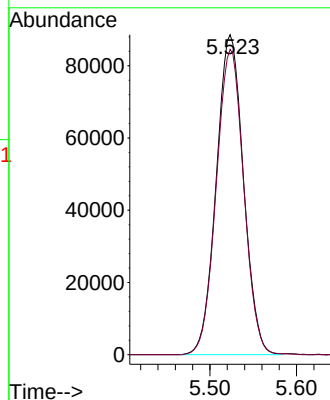
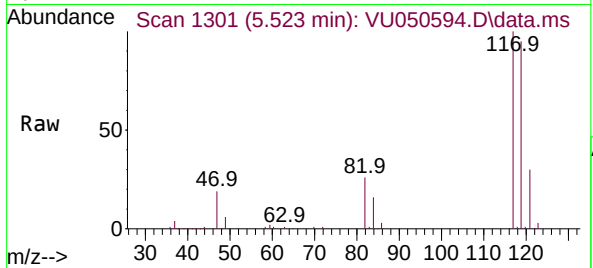




#31
Carbon tetrachloride
Concen: 46.586 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

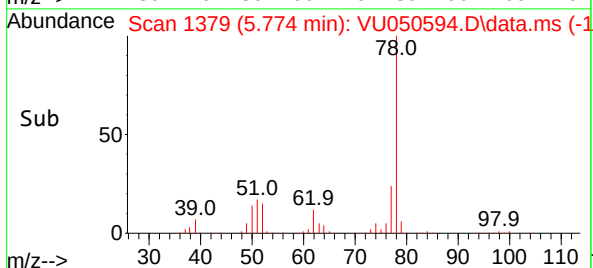
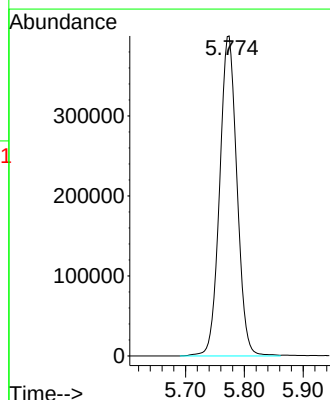
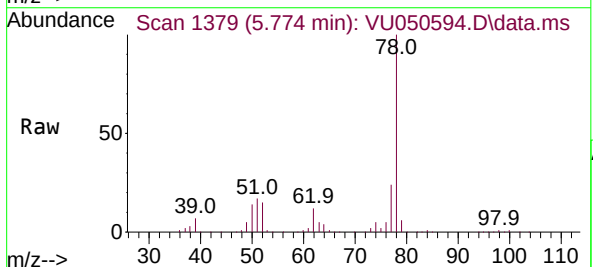
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

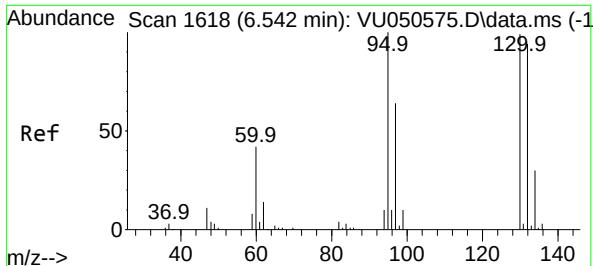
Tgt Ion:117 Resp: 193228
Ion Ratio Lower Upper
117 100
119 96.2 78.8 118.2



#33
Benzene
Concen: 50.250 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion: 78 Resp: 818490

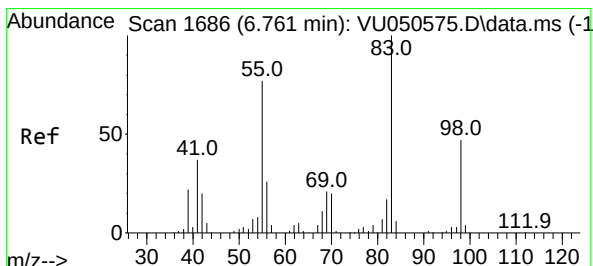
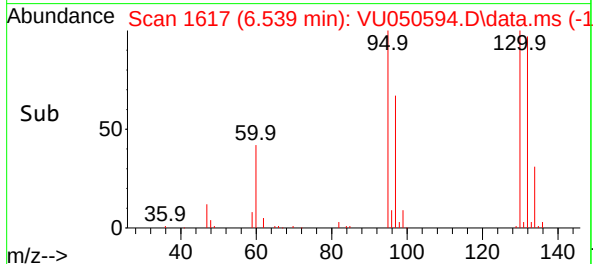
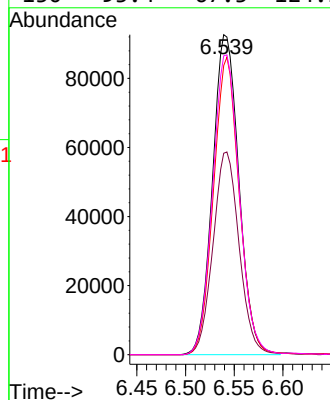
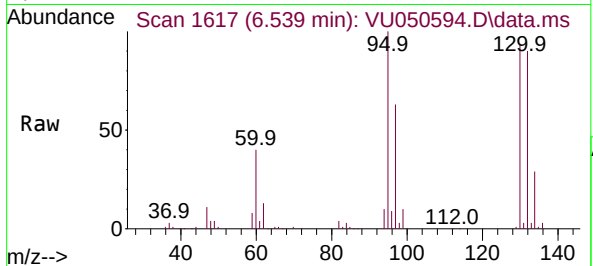




#34
Trichloroethene
Concen: 46.670 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

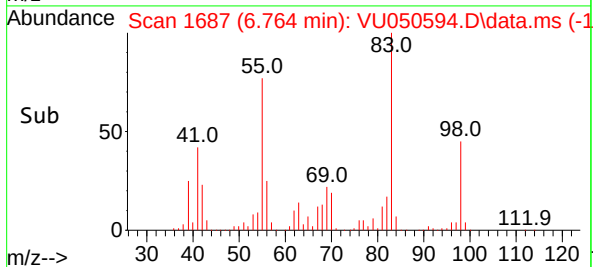
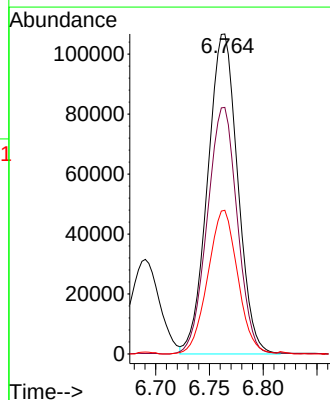
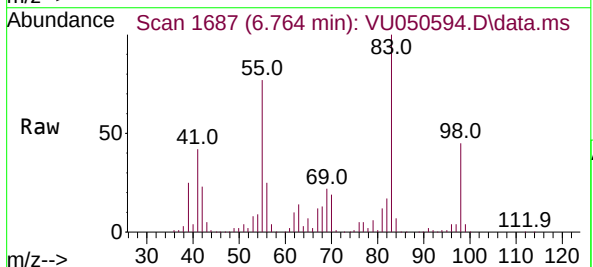
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

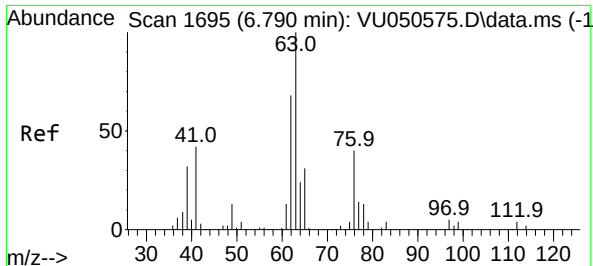
Tgt Ion: 95 Resp: 174438
Ion Ratio Lower Upper
95 100
97 63.0 44.2 82.2
132 90.3 63.2 117.4
130 93.4 67.3 124.9



#35
Methylcyclohexane
Concen: 41.336 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion: 83 Resp: 207734
Ion Ratio Lower Upper
83 100
55 77.0 61.0 91.4
98 44.7 35.7 53.5





#37

1,2-Dichloropropane

Concen: 51.592 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

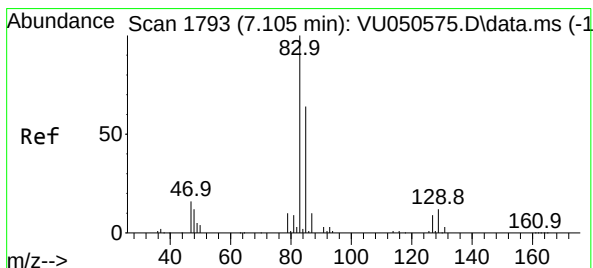
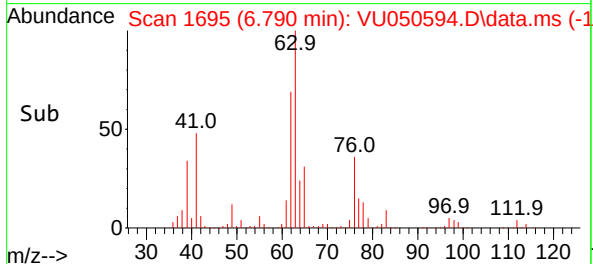
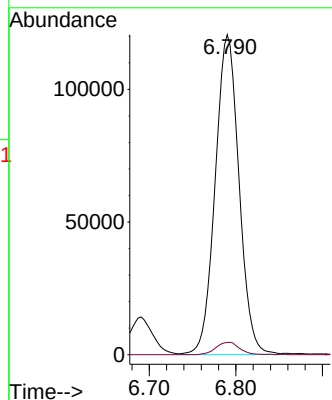
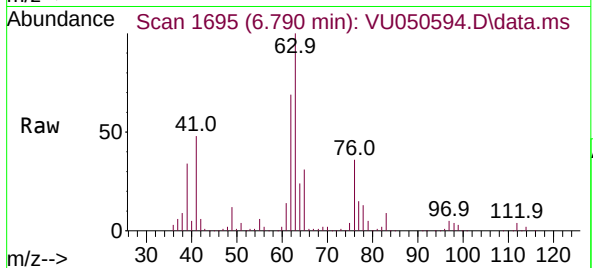
VSTD050187

Tgt Ion: 63 Resp: 230079

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.4



#38

Bromodichloromethane

Concen: 50.247 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

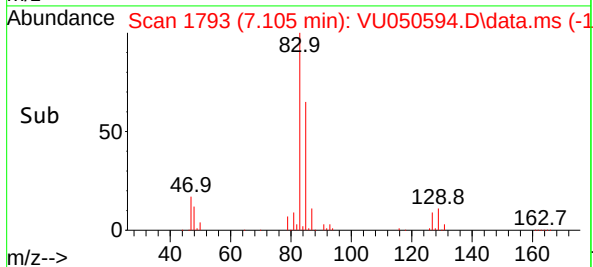
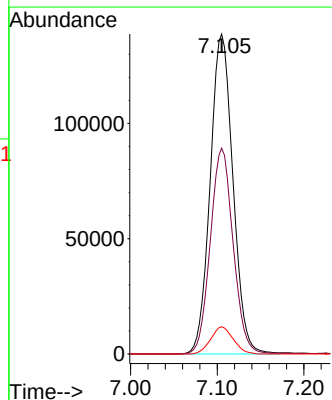
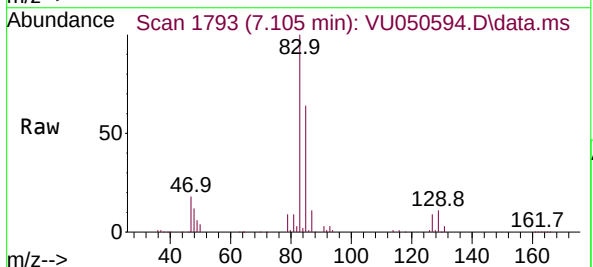
Tgt Ion: 83 Resp: 253536

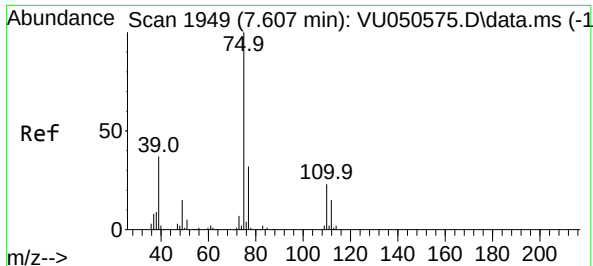
Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.4

127 8.5 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 50.210 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

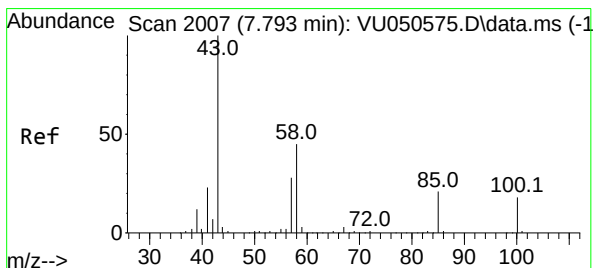
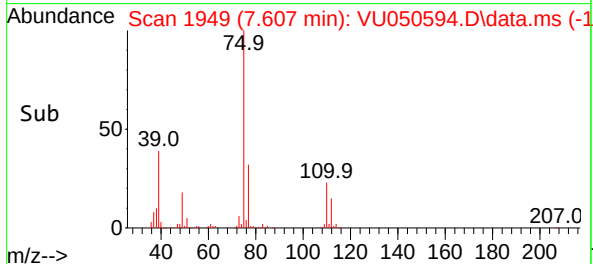
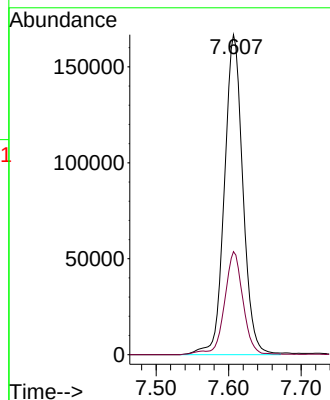
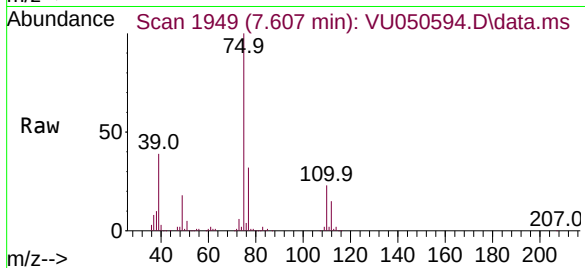
VSTD050187

Tgt Ion: 75 Resp: 295028

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 104.879 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

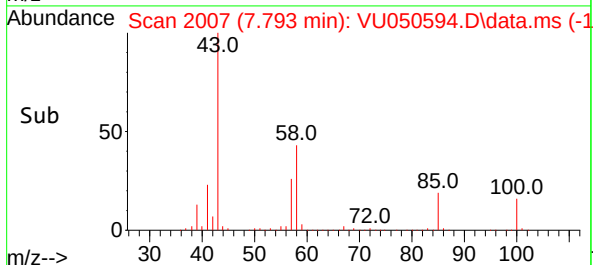
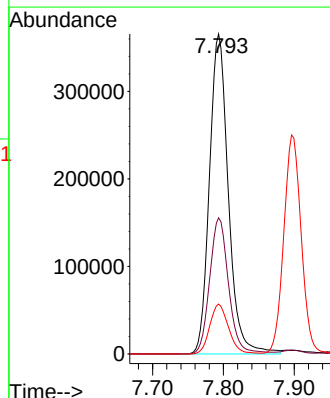
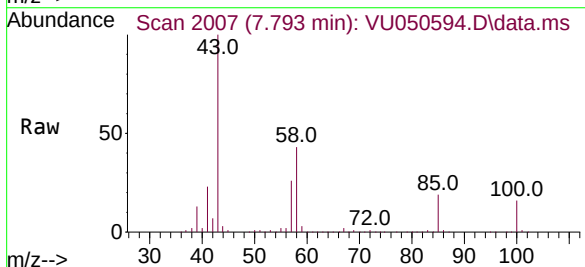
Tgt Ion: 43 Resp: 677034

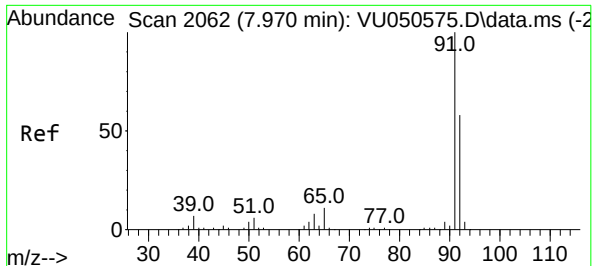
Ion Ratio Lower Upper

43 100

58 42.6 34.2 51.4

100 15.5 12.9 19.3





#42

Toluene

Concen: 50.909 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

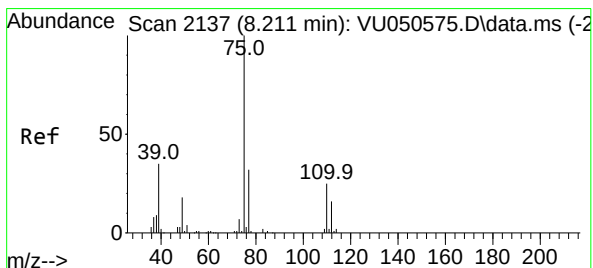
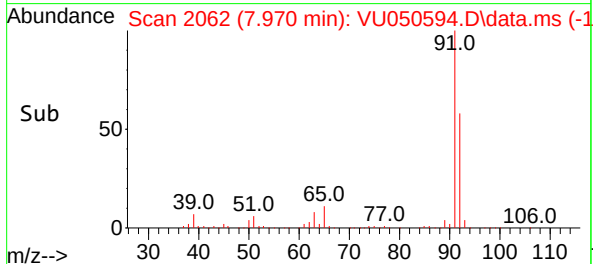
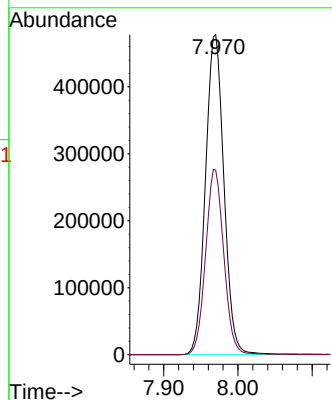
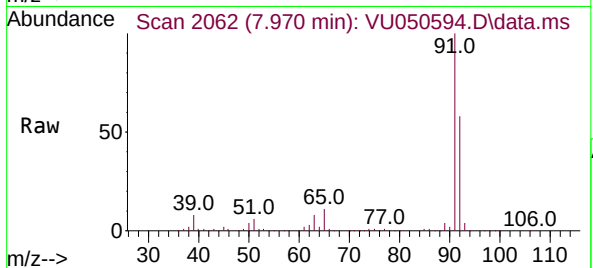
VSTD050187

Tgt Ion: 91 Resp: 822693

Ion Ratio Lower Upper

91 100

92 57.7 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 51.248 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU050594.D

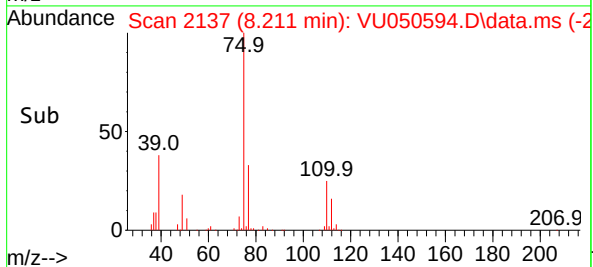
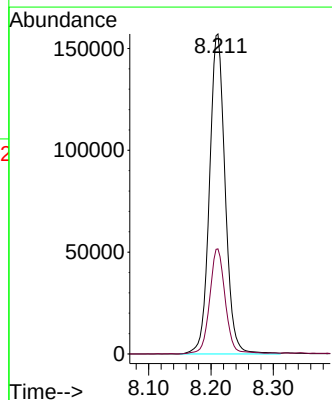
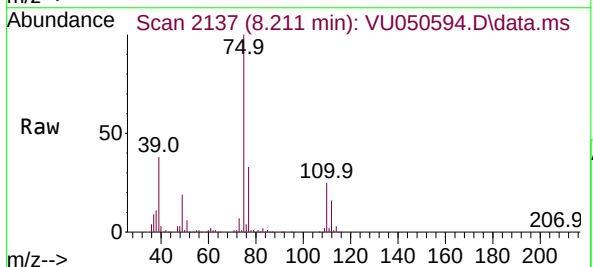
Acq: 01 Sep 2022 20:29

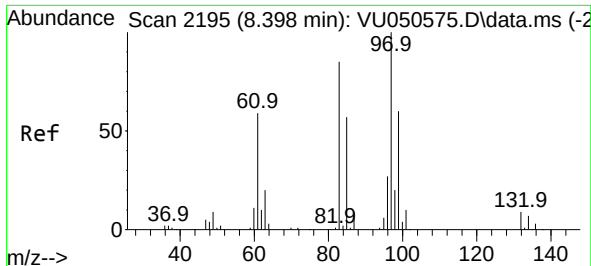
Tgt Ion: 75 Resp: 274317

Ion Ratio Lower Upper

75 100

77 32.9 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 51.681 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050187

Tgt Ion: 97 Resp: 223711

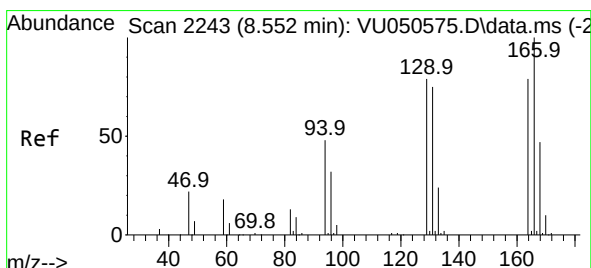
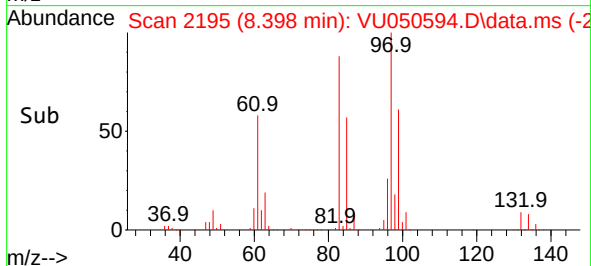
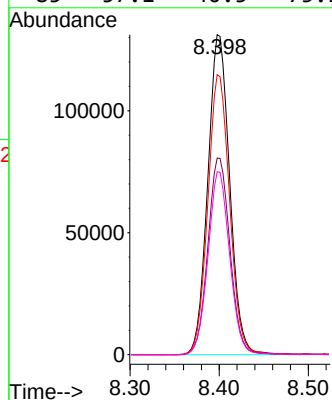
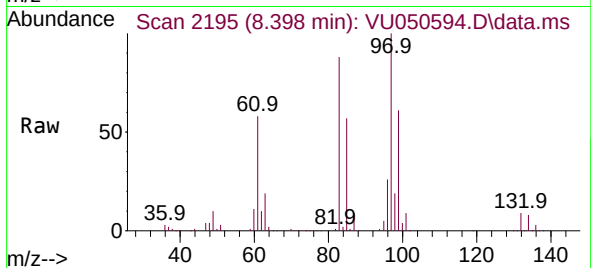
Ion Ratio Lower Upper

97 100

99 61.4 44.3 82.3

83 87.5 62.1 115.3

85 57.1 40.5 75.1



#46

Tetrachloroethene

Concen: 45.061 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Tgt Ion: 164 Resp: 117817

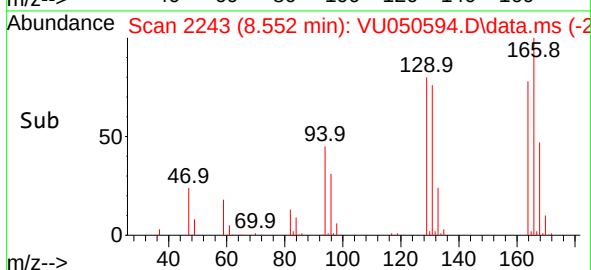
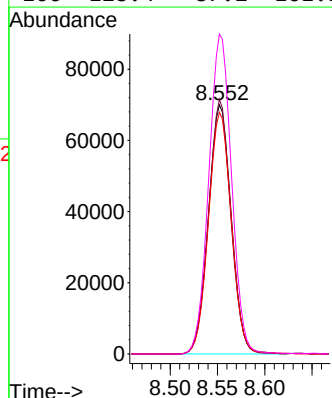
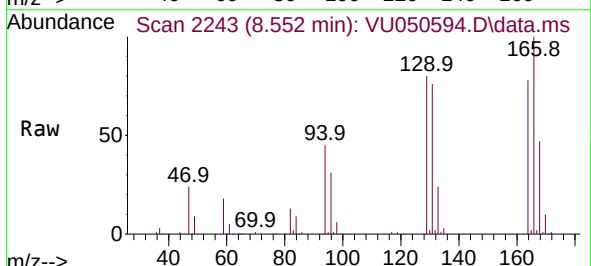
Ion Ratio Lower Upper

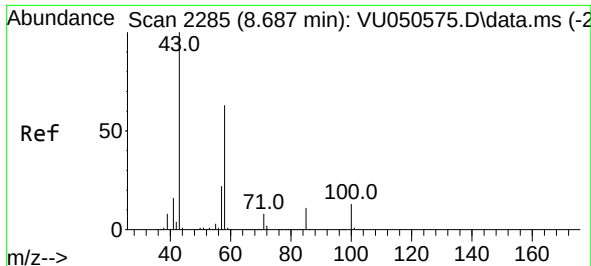
164 100

129 102.3 67.5 125.3

131 97.1 63.8 118.4

166 128.4 87.2 161.9

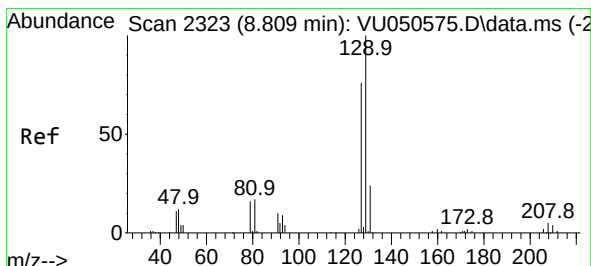
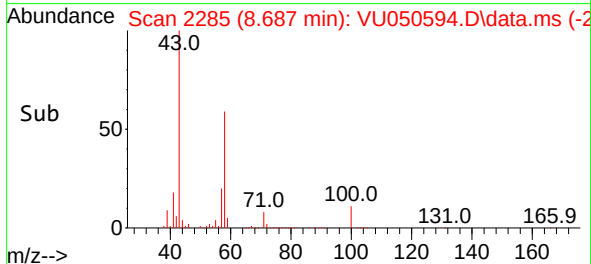
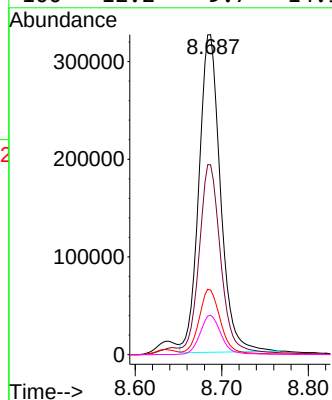
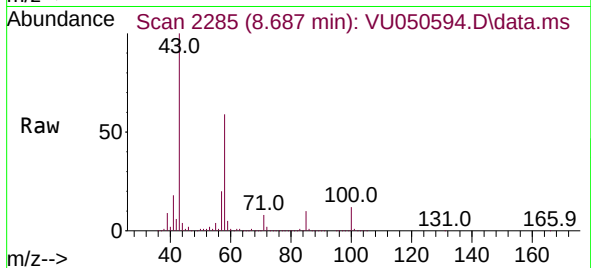




#48
2-Hexanone
Concen: 101.634 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

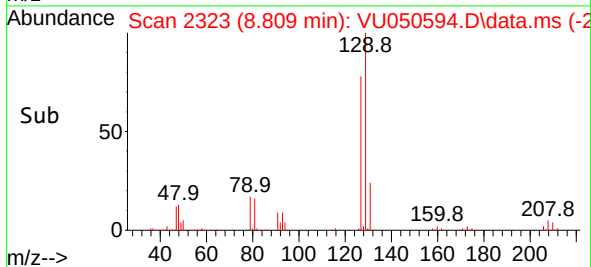
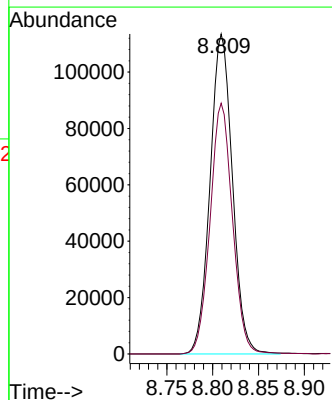
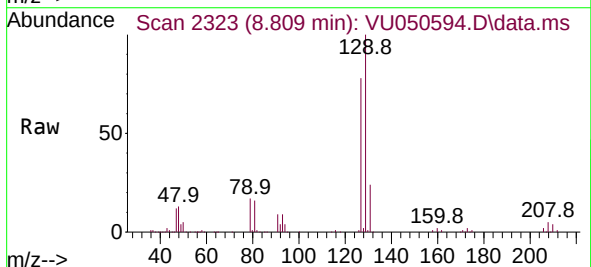
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

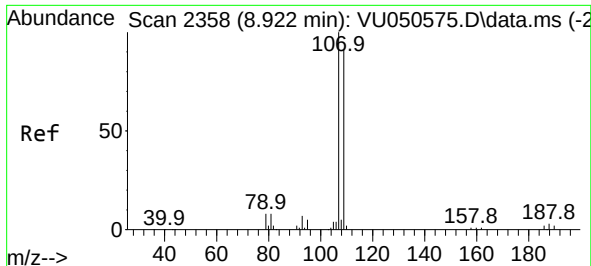
Tgt	Ion: 43	Resp: 560861	
Ion	Ratio	Lower	Upper
43	100		
58	59.7	46.6	69.8
57	20.6	15.8	23.6
100	12.2	9.7	14.5



#49
Dibromochloromethane
Concen: 51.233 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion:129	Resp: 192545
Ion Ratio	Lower Upper
129 100	
127 78.4	54.9 101.9

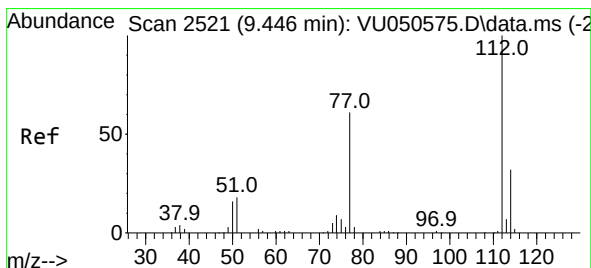
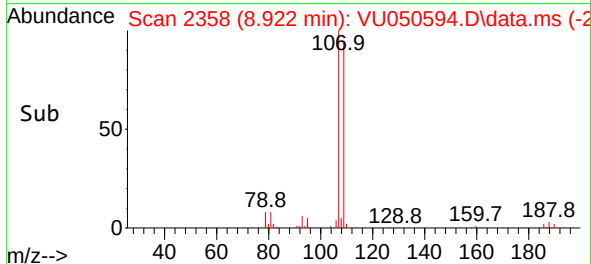
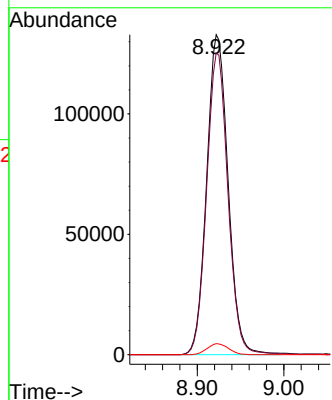
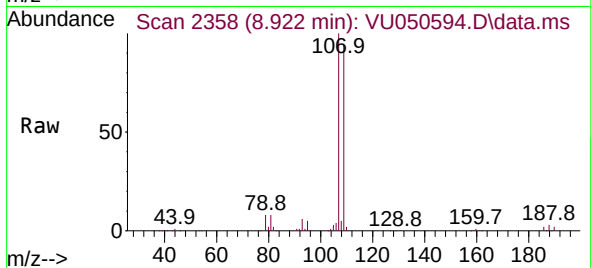




#50
1,2-Dibromoethane
Concen: 51.222 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

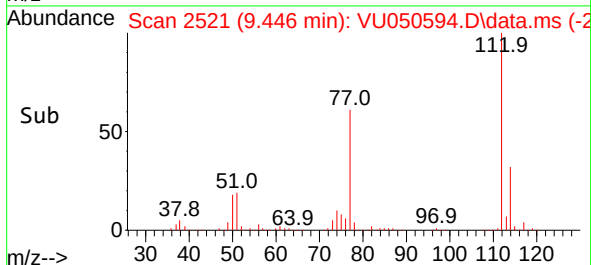
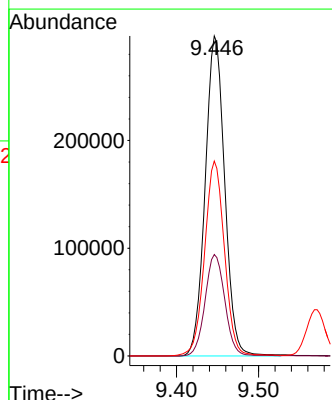
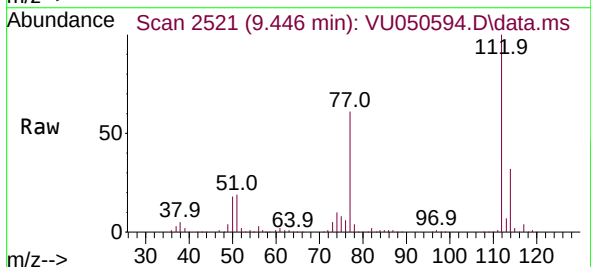
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

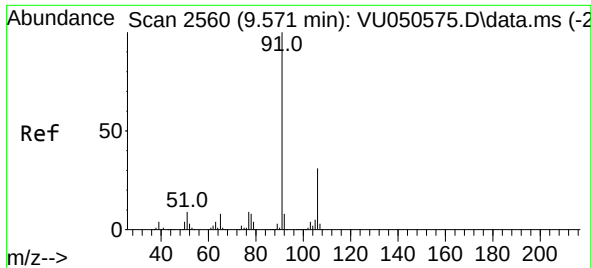
Tgt Ion:107 Resp: 228876
Ion Ratio Lower Upper
107 100
109 94.3 65.2 121.0
188 3.6 2.7 4.1



#51
Chlorobenzene
Concen: 48.900 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion:112 Resp: 491771
Ion Ratio Lower Upper
112 100
114 31.7 23.0 42.6
77 60.9 49.4 74.2

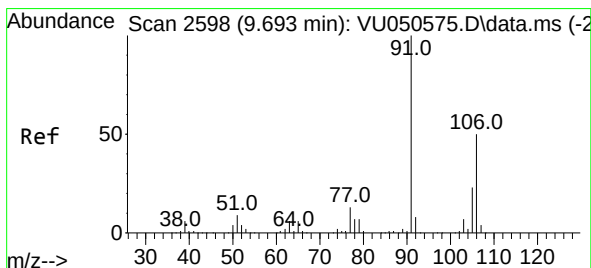
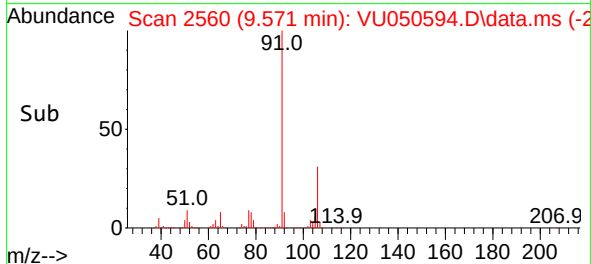
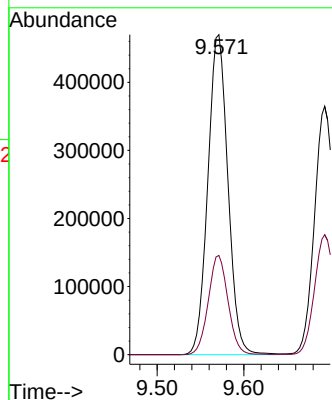
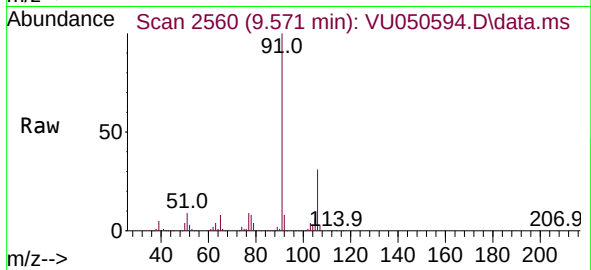




#52
Ethylbenzene
Concen: 48.411 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

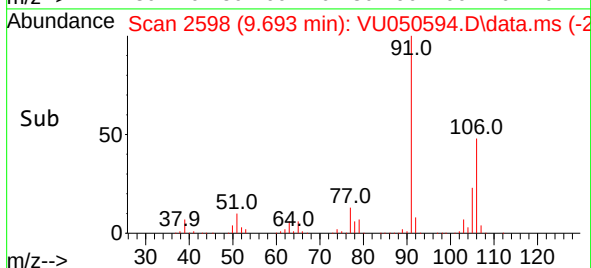
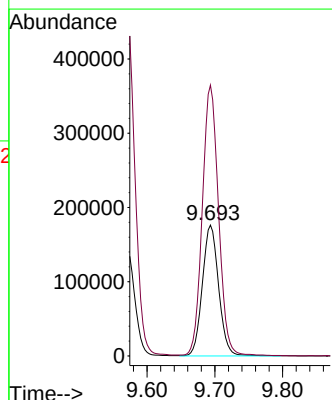
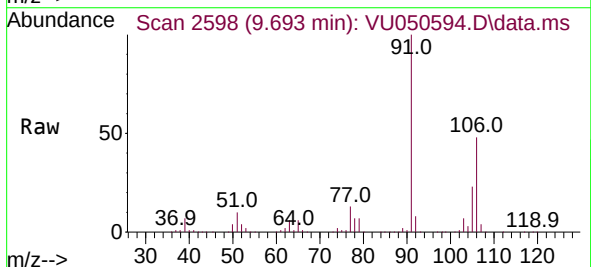
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

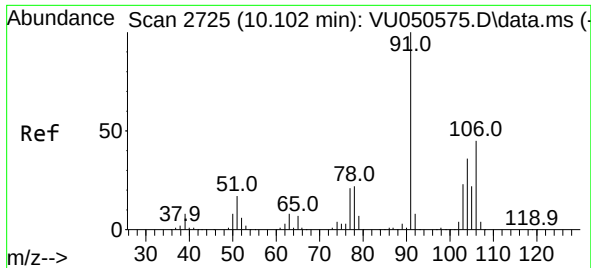
Tgt Ion: 91 Resp: 757227
Ion Ratio Lower Upper
91 100
106 31.0 21.5 39.9



#53
m,p-Xylene
Concen: 49.834 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion: 106 Resp: 293673
Ion Ratio Lower Upper
106 100
91 207.0 145.1 269.5

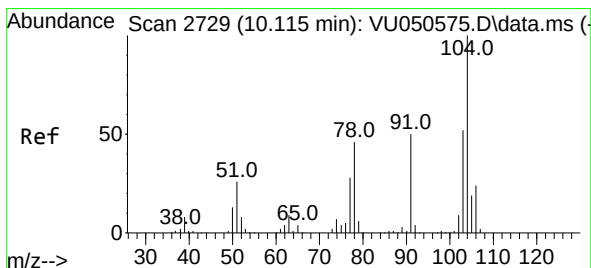
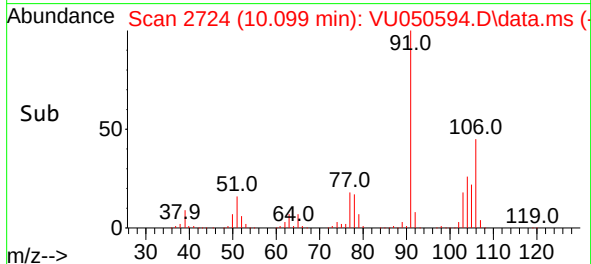
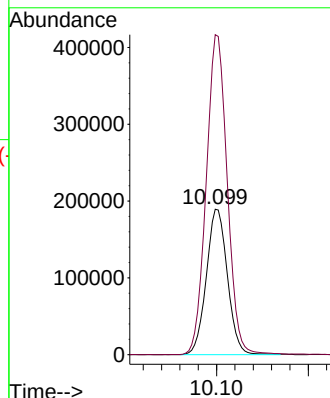
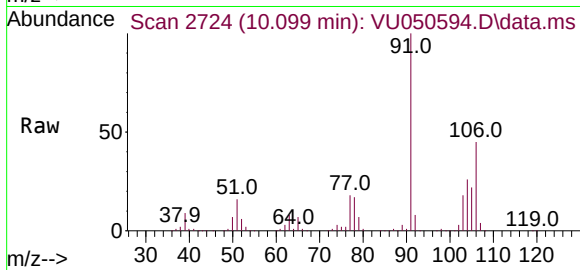




#54
o-Xylene
Concen: 50.550 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

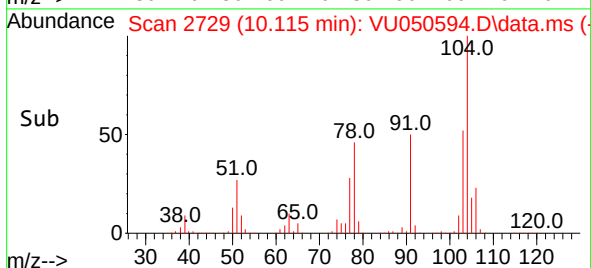
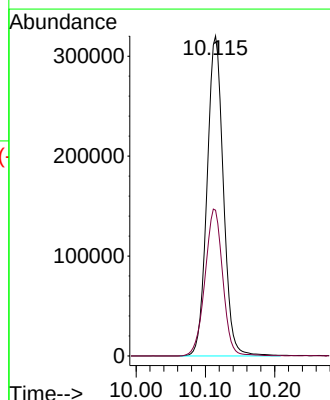
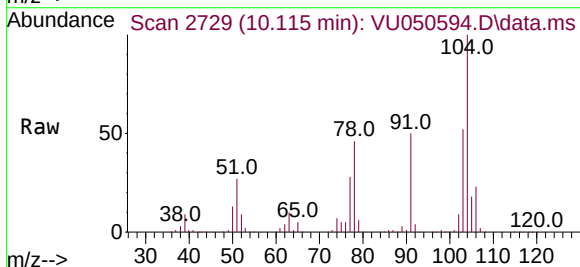
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

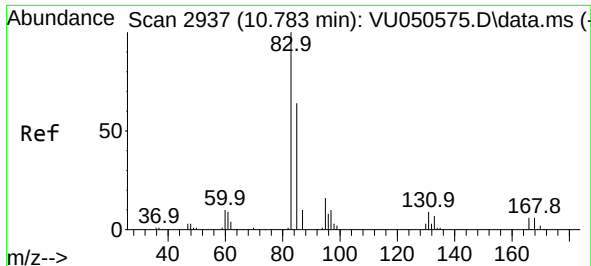
Tgt Ion:106 Resp: 303039
Ion Ratio Lower Upper
106 100
91 219.9 152.0 282.2



#55
Styrene
Concen: 52.471 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion:104 Resp: 521982
Ion Ratio Lower Upper
104 100
78 45.5 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 50.018 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050187

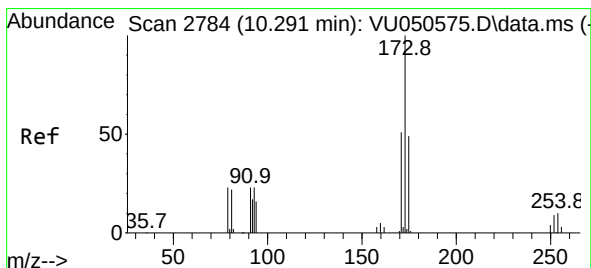
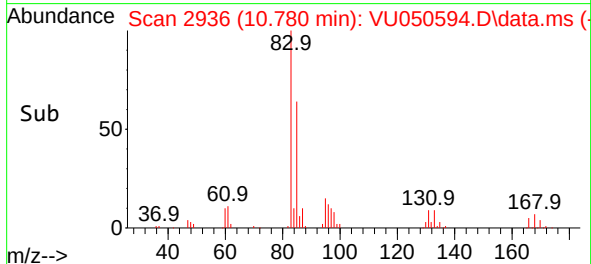
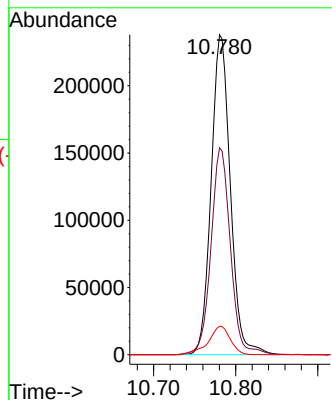
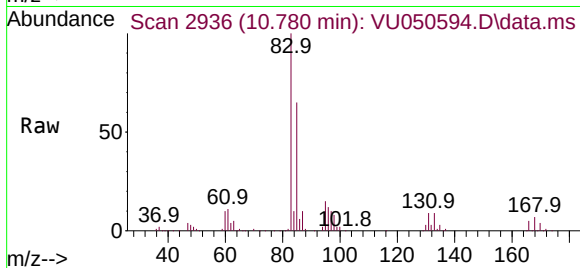
Tgt Ion: 83 Resp: 386305

Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

131 8.9 7.2 10.8



#59

Bromoform

Concen: 53.899 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

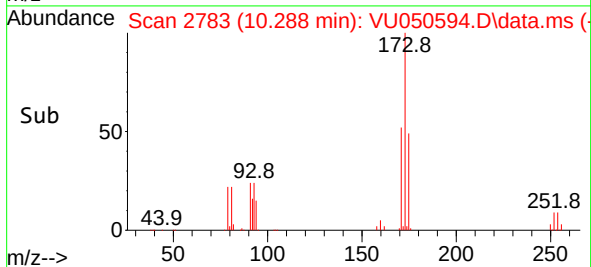
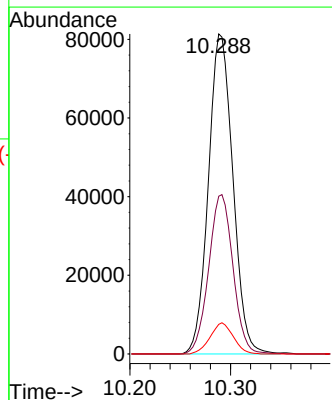
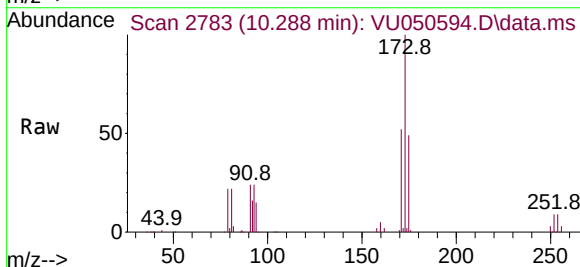
Tgt Ion:173 Resp: 137604

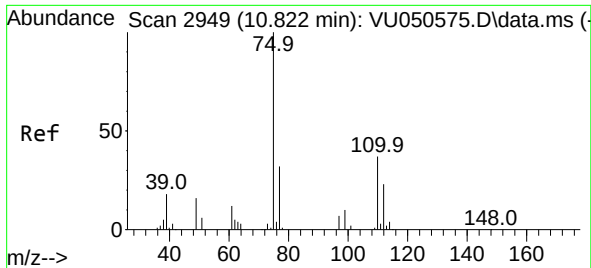
Ion Ratio Lower Upper

173 100

175 49.4 37.8 56.8

254 9.2 7.7 11.5

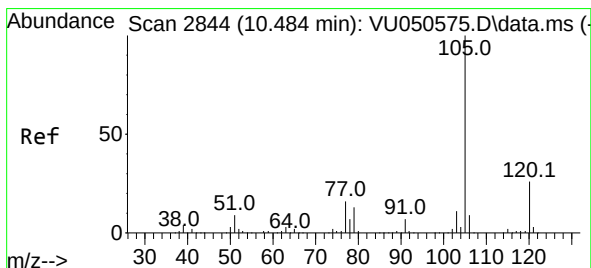
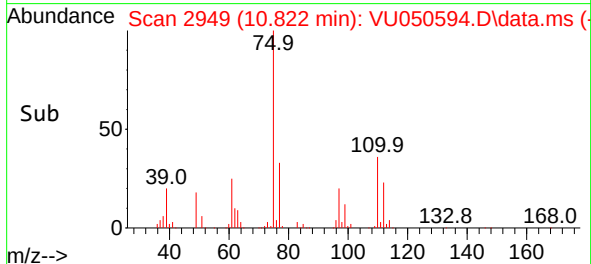
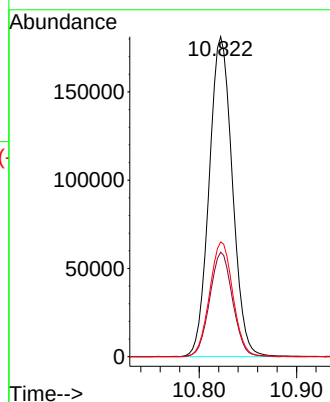
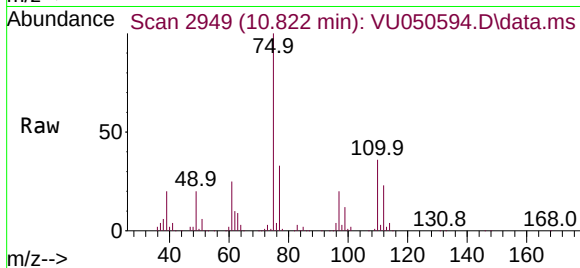




#60
1,2,3-Trichloropropane
Concen: 52.439 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

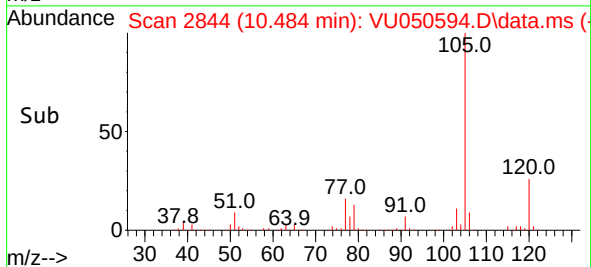
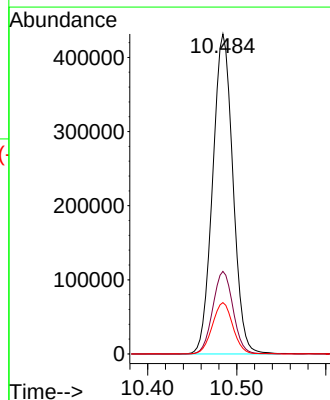
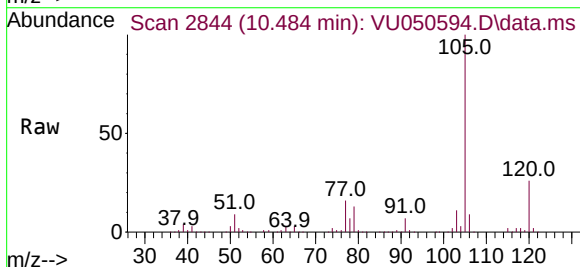
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

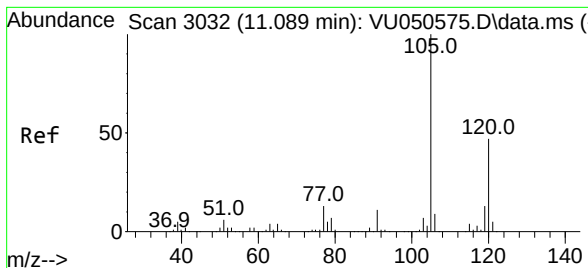
Tgt Ion: 75 Resp: 300148
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.4
110 36.1 29.0 43.6



#61
Isopropylbenzene
Concen: 50.134 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion: 105 Resp: 681618
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 16.1 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 50.642 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

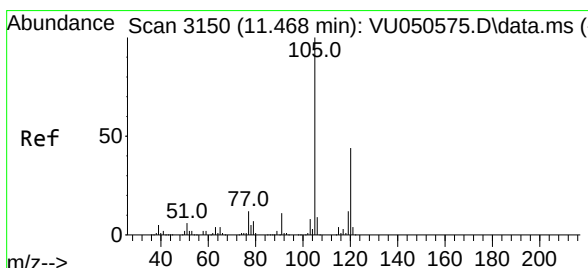
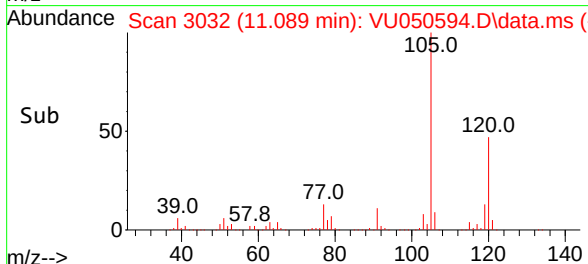
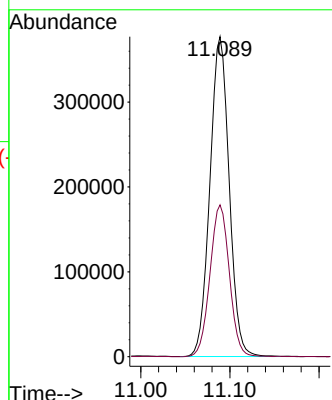
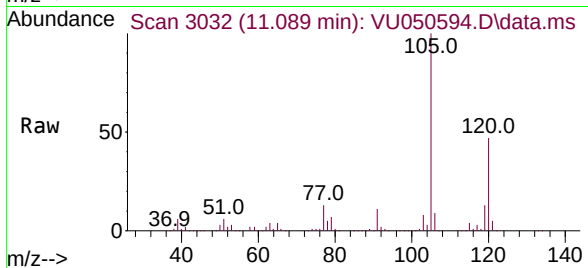
VSTD050187

Tgt Ion:105 Resp: 566014

Ion Ratio Lower Upper

105 100

120 47.7 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 50.163 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU050594.D

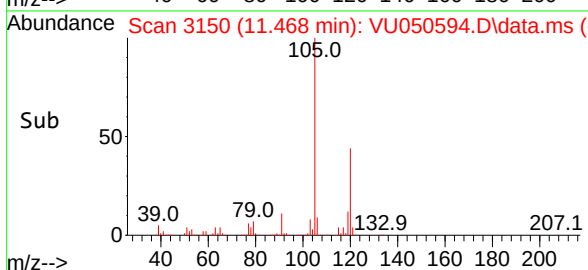
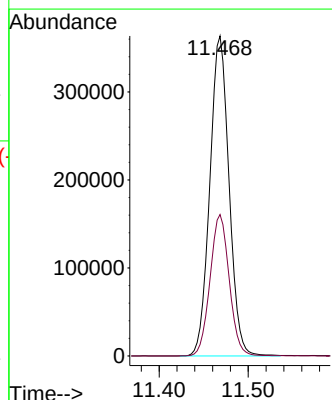
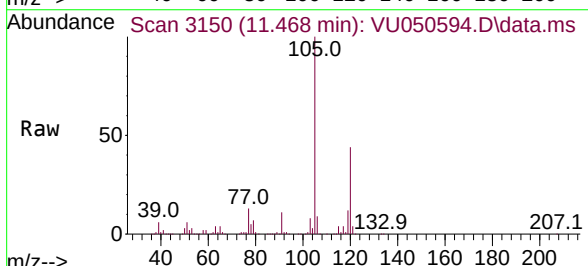
Acq: 01 Sep 2022 20:29

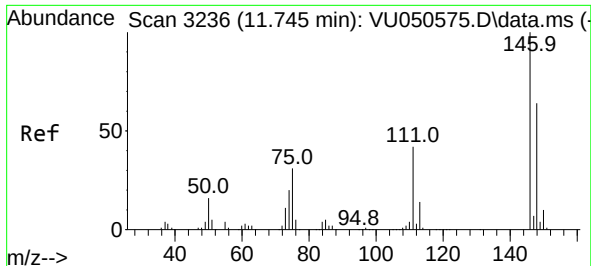
Tgt Ion:105 Resp: 544573

Ion Ratio Lower Upper

105 100

120 44.0 35.6 53.4

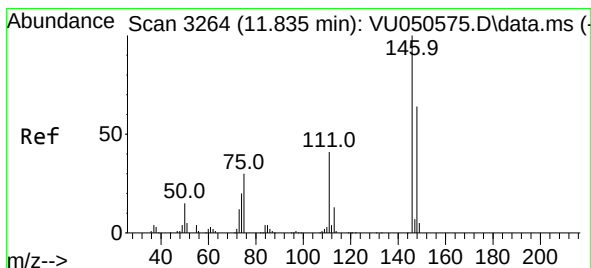
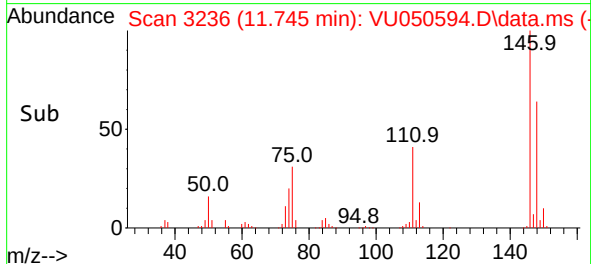
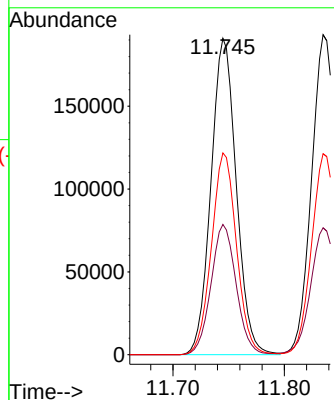
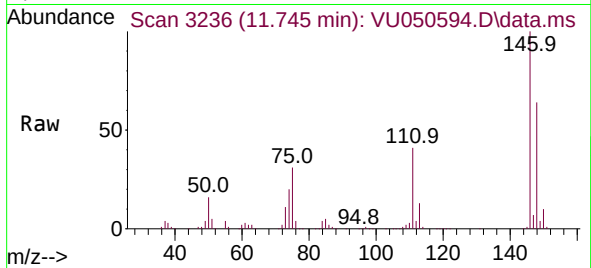




#64
1,3-Dichlorobenzene
Concen: 46.429 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

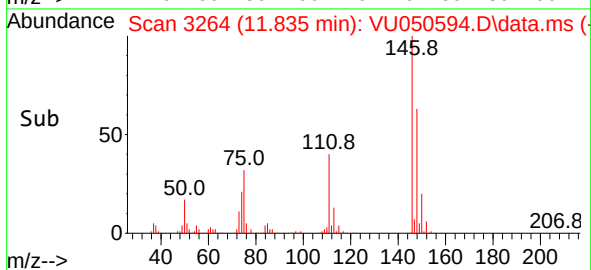
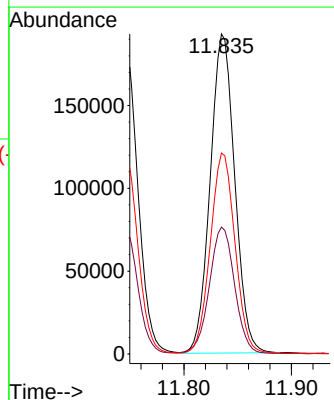
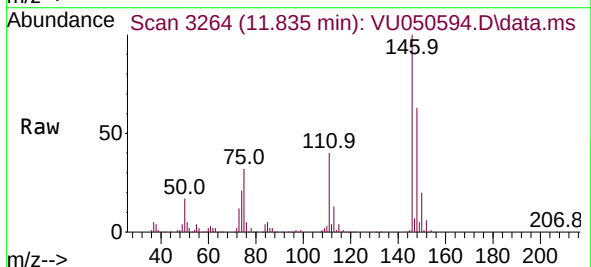
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

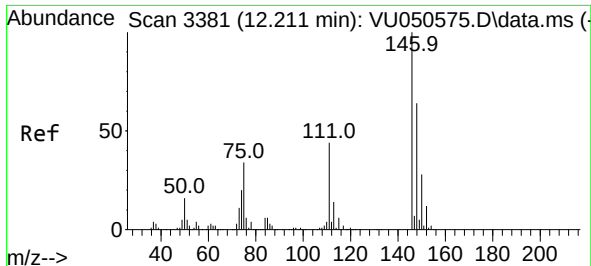
Tgt Ion:146 Resp: 301200
Ion Ratio Lower Upper
146 100
111 41.2 28.4 52.8
148 63.8 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 46.485 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion:146 Resp: 305799
Ion Ratio Lower Upper
146 100
111 39.6 28.2 52.4
148 62.8 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 48.071 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050187

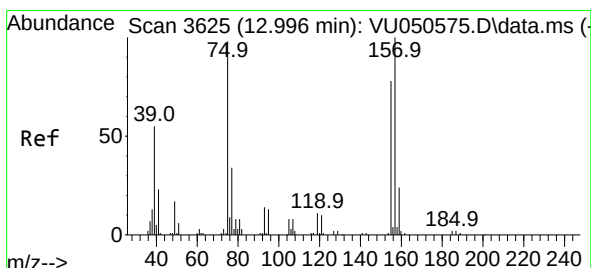
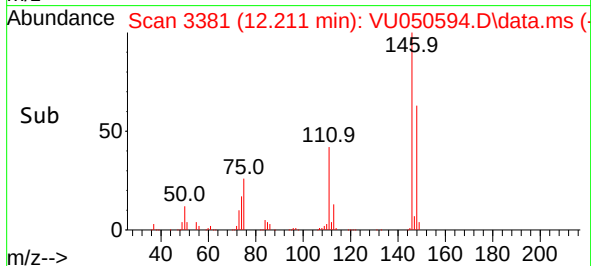
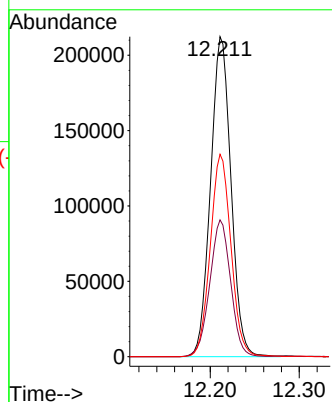
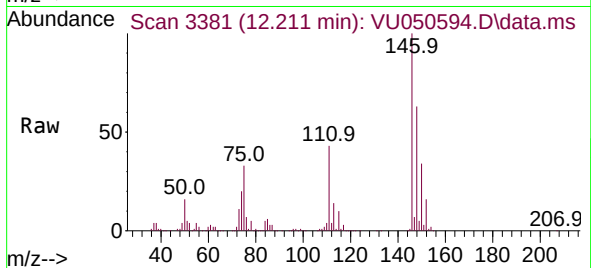
Tgt Ion:146 Resp: 338080

Ion Ratio Lower Upper

146 100

111 42.8 33.4 50.2

148 63.3 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 52.350 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU050594.D

Acq: 01 Sep 2022 20:29

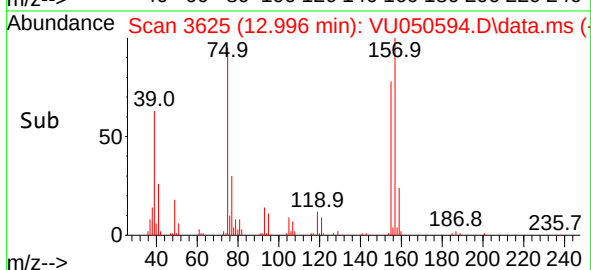
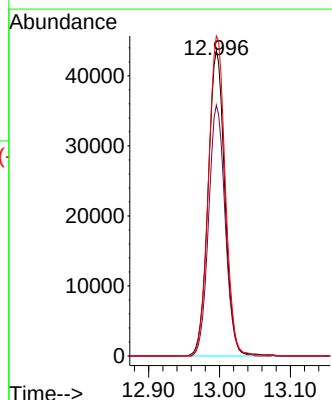
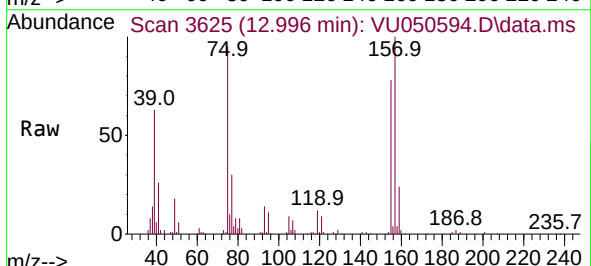
Tgt Ion: 75 Resp: 71502

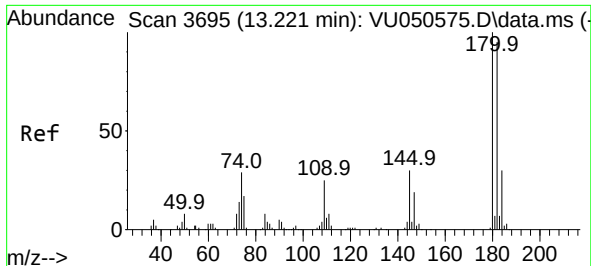
Ion Ratio Lower Upper

75 100

155 82.1 71.4 107.2

157 104.7 83.2 124.8

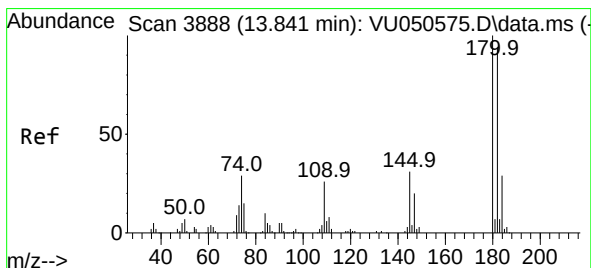
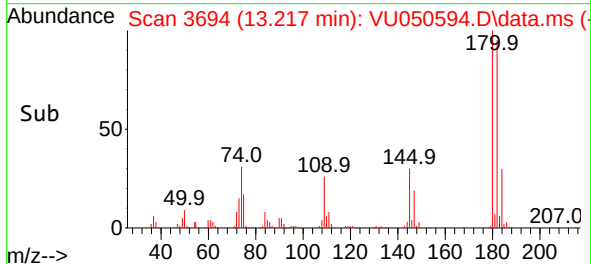
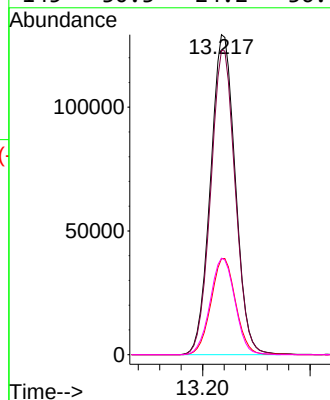
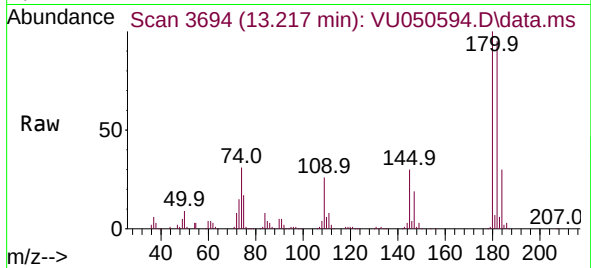




#69
1,3,5-Trichlorobenzene
Concen: 46.496 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.003 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

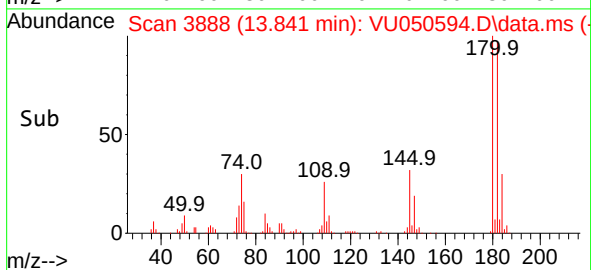
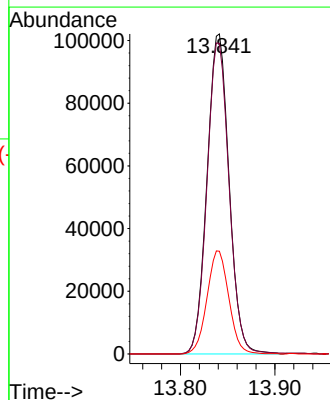
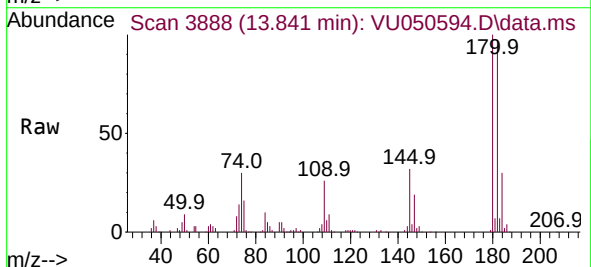
Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

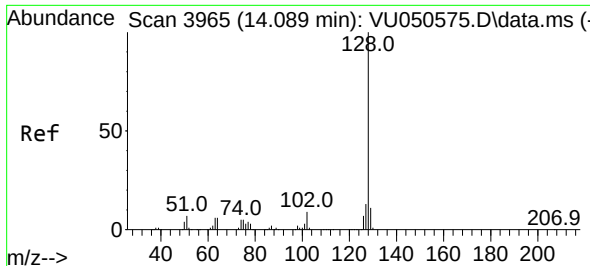
Tgt Ion:	180	Resp:	206410
Ion Ratio	Lower	Upper	
180	100		
182	94.4	76.3	114.5
184	30.0	24.4	36.6
145	30.3	24.2	36.4



#70
1,2,4-trichlorobenzene
Concen: 41.861 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion:	180	Resp:	165291
Ion Ratio	Lower	Upper	
180	100		
182	97.7	76.6	115.0
145	31.9	24.2	36.4

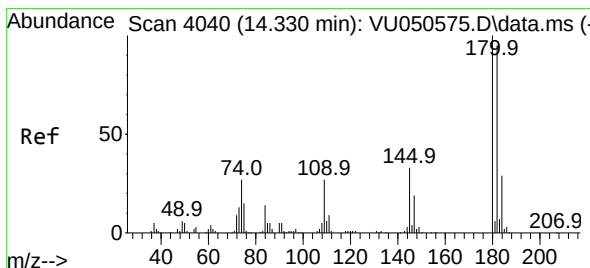
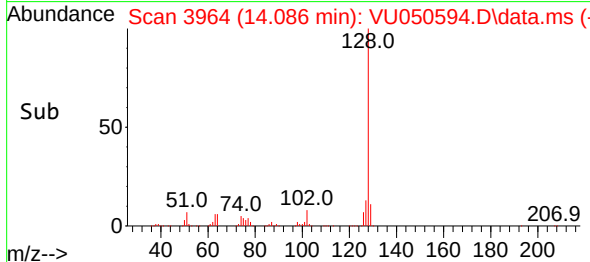
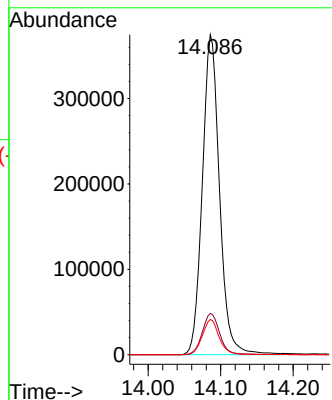
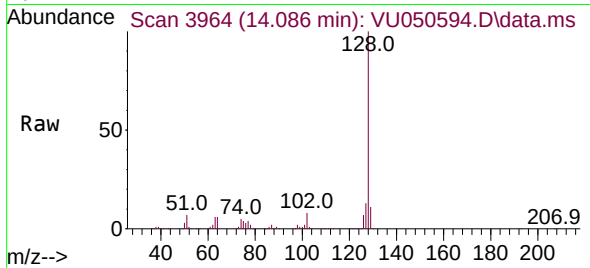




#71
Naphthalene
Concen: 38.069 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD050187

Tgt Ion:128 Resp: 616755
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 42.947 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU050594.D
Acq: 01 Sep 2022 20:29

Tgt Ion:180 Resp: 195985
Ion Ratio Lower Upper
180 100
182 96.2 76.0 114.0
145 32.9 26.2 39.2

