

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU052997.D
 Acq On : 08 Feb 2023 12:48
 Operator : JC/MD
 Sample : VSTD05076
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050075

Quant Time: Feb 09 00:35:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 00:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	316065	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	297051	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	171935	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	147471	61.174	ug/L	0.00
7) Chloroethane-d5	1.913	69	117834	59.851	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.569	63	222984	49.373	ug/L	0.00
21) 2-Butanone-d5	4.627	46	115864	85.917	ug/L	0.00
24) Chloroform-d	5.058	84	246855	50.710	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	143908	47.100	ug/L	0.00
32) Benzene-d6	5.723	84	501514	54.331	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	152891	55.995	ug/L	0.00
41) Toluene-d8	7.894	98	494771	58.007	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	85470	60.953	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	93762	101.654	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	213984	53.556	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.186	152	190410	55.389	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	122280	42.342	ug/L	100
3) Chloromethane	1.518	50	110839	45.776	ug/L	99
5) Vinyl chloride	1.605	62	135716	49.716	ug/L	97
6) Bromomethane	1.859	94	93652	53.432	ug/L	99
8) Chloroethane	1.936	64	82653	48.356	ug/L	98
9) Trichlorofluoromethane	2.138	101	211241	46.868	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	105415	42.374	ug/L	97
12) 1,1-Dichloroethene	2.579	96	100620	43.809	ug/L	89
13) Acetone	2.643	43	95090	59.862	ug/L	92
14) Carbon disulfide	2.794	76	300183	43.357	ug/L	98
15) Methyl Acetate	2.952	43	69579	32.525	ug/L #	87
16) Methylene chloride	3.045	84	116228	42.788	ug/L	94
17) trans-1,2-Dichloroethene	3.351	96	106835	43.272	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	336336	46.032	ug/L	98
19) 1,1-Dichloroethane	3.865	63	185146	42.956	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	123499	46.401	ug/L #	96
22) 2-Butanone	4.707	43	116581	68.504	ug/L	88
23) Bromochloromethane	4.971	128	64273	43.415	ug/L	97
25) Chloroform	5.084	83	206677	42.649	ug/L	100
27) 1,2-Dichloroethane	5.788	62	147770	39.298	ug/L	98
29) Cyclohexane	5.383	56	167237	48.022	ug/L	95
30) 1,1,1-Trichloroethane	5.312	97	188508	44.061	ug/L	99
31) Carbon tetrachloride	5.521	117	166042	44.742	ug/L	98
33) Benzene	5.768	78	453400	45.649	ug/L	100
34) Trichloroethene	6.537	95	120965	47.213	ug/L	99
35) Methylcyclohexane	6.759	83	206567	50.657	ug/L	93
38) Bromodichloromethane	7.100	83	165655	45.848	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	196695	50.363	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	217173	78.507	ug/L	94
42) Toluene	7.964	91	511994	49.634	ug/L	94
44) trans-1,3-Dichloropropene	8.206	75	190766	49.859	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	116315	46.302	ug/L	98

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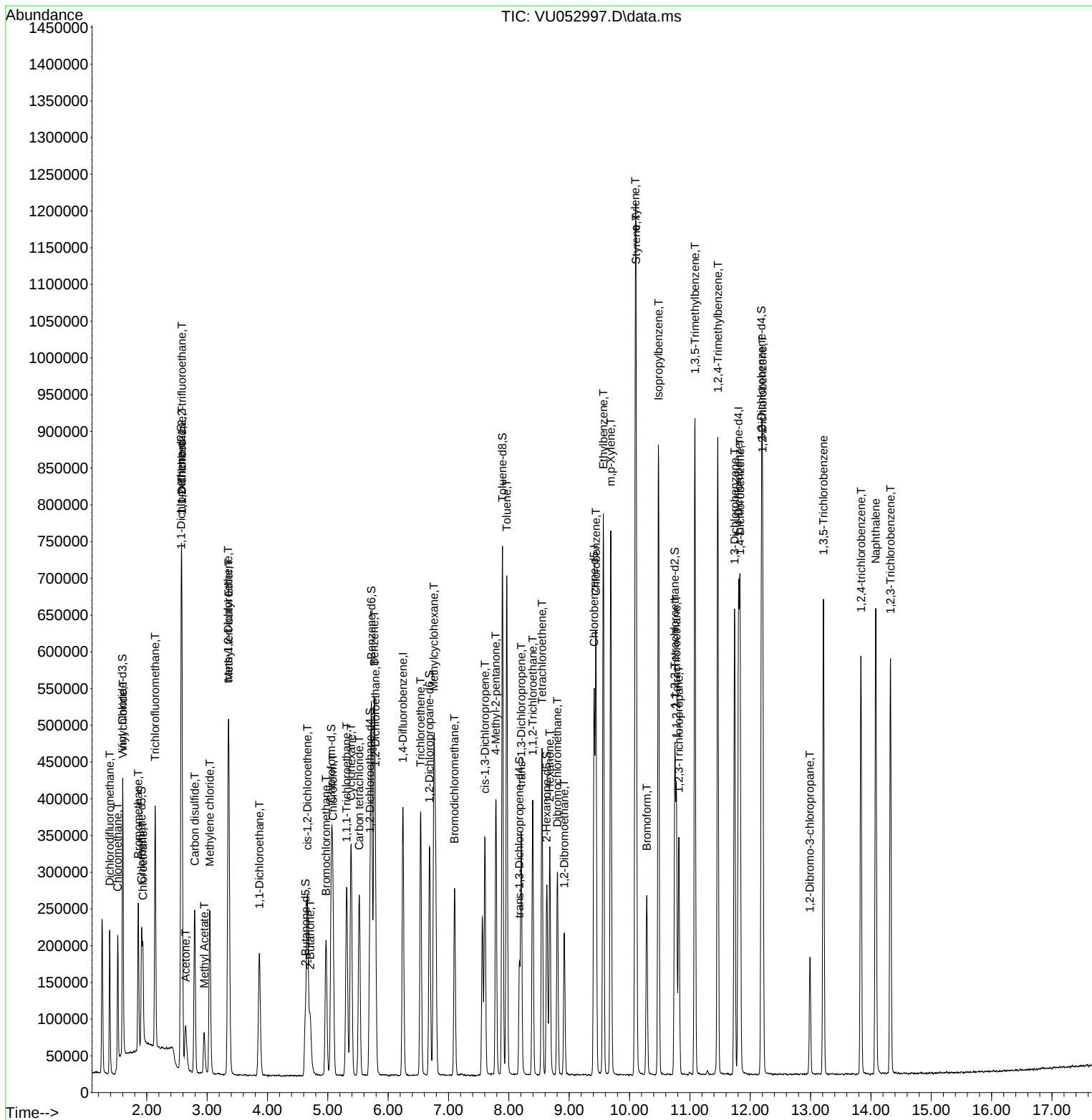
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050075

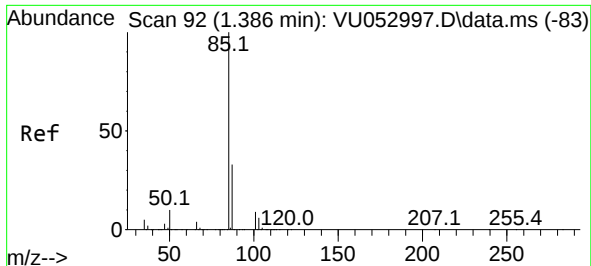
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	8.550	164	96916	44.646	ug/L	97
48) 2-Hexanone	8.678	43	173836	74.984	ug/L	91
49) Dibromochloromethane	8.804	129	141827	46.944	ug/L	98
50) 1,2-Dibromoethane	8.919	107	129682	47.688	ug/L	98
51) Chlorobenzene	9.444	112	327568	46.328	ug/L	98
52) Ethylbenzene	9.566	91	559641	50.468	ug/L	99
53) m,p-Xylene	9.688	106	223324	50.025	ug/L	96
54) o-xylene	10.096	106	217820	51.065	ug/L	95
55) Styrene	10.109	104	371968	50.927	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	181644	45.011	ug/L	100
59) Bromoform	10.286	173	109451	46.717	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	135402	41.711	ug/L	98
61) Isopropylbenzene	10.479	105	572125	51.264	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	501253	53.502	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	491726	54.262	ug/L	96
64) 1,3-Dichlorobenzene	11.739	146	262148	46.849	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	259163	44.965	ug/L	99
67) 1,2-Dichlorobenzene	12.205	146	257307	45.829	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	41075	43.706	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	204653	48.706	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	179452	50.224	ug/L	98
71) Naphthalene	14.080	128	525772	51.480	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	178757	48.144	ug/L	98

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

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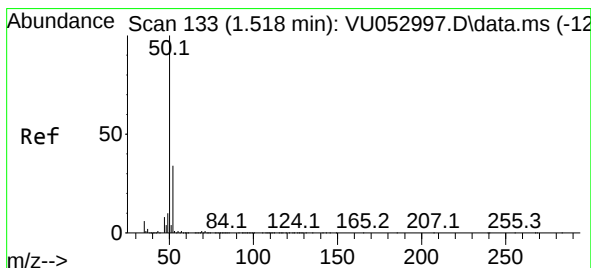
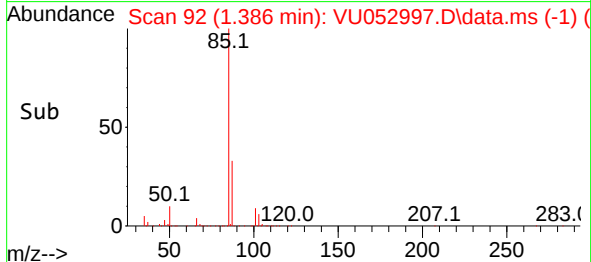
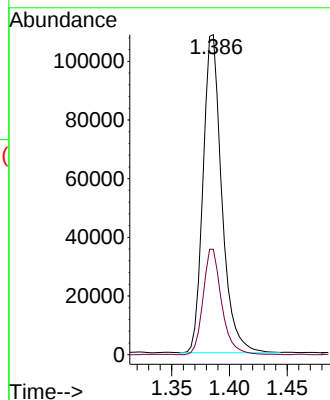
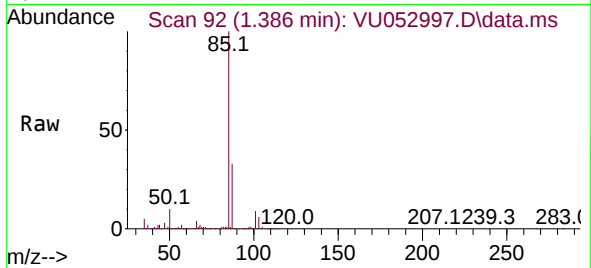




#2
 Dichlorodifluoromethane
 Concen: 42.342 ug/L
 RT: 1.386 min Scan# 92
 Delta R.T. 0.000 min
 Lab File: VU052997.D
 Acq: 08 Feb 2023 12:48

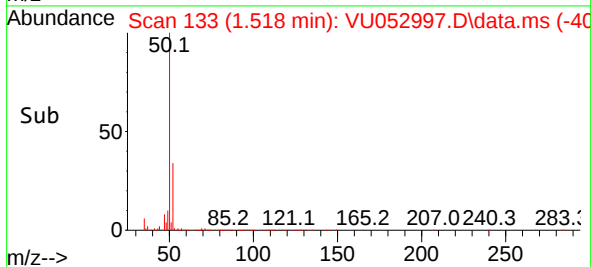
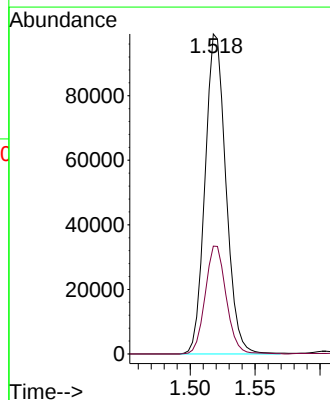
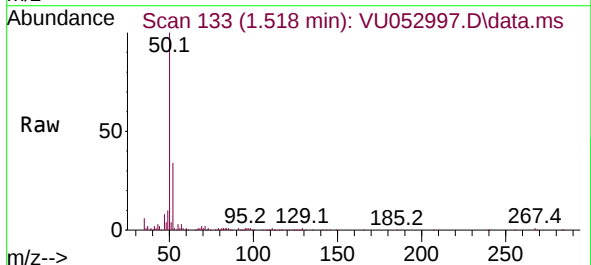
Instrument :
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 ClientSampleId :
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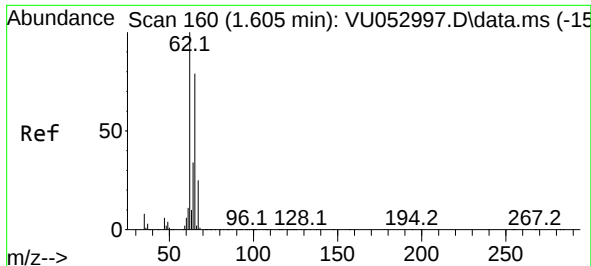
Tgt Ion: 85 Resp: 122280
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.4 39.6



#3
 Chloromethane
 Concen: 45.776 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. 0.000 min
 Lab File: VU052997.D
 Acq: 08 Feb 2023 12:48

Tgt Ion: 50 Resp: 110839
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.4 43.4

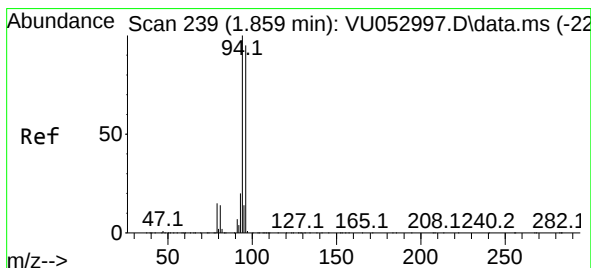
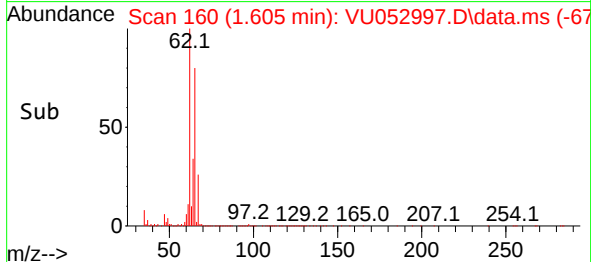
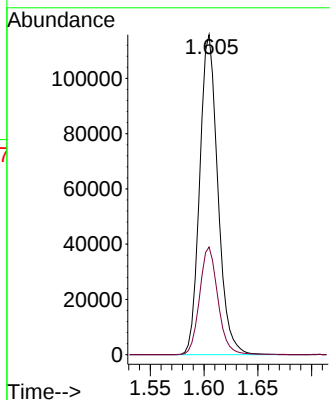
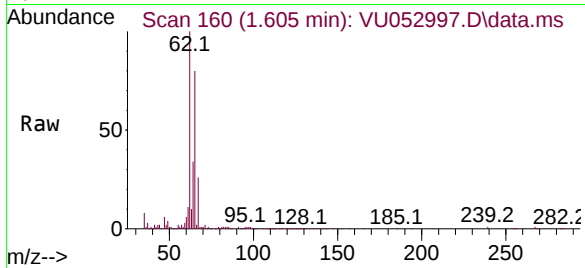




#5
 Vinyl chloride
 Concen: 49.716 ug/L
 RT: 1.605 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU052997.D
 Acq: 08 Feb 2023 12:48

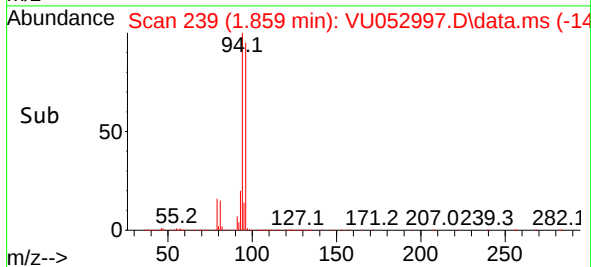
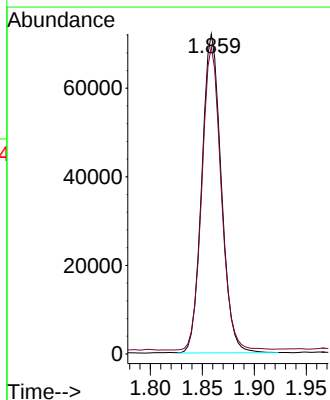
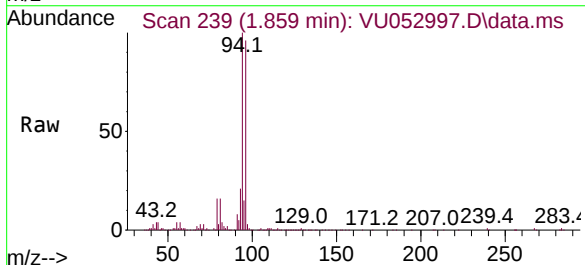
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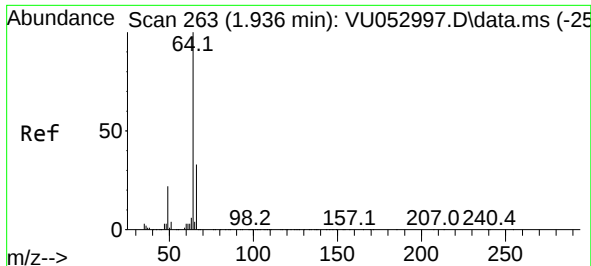
Tgt Ion: 62 Resp: 135716
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.4 41.6



#6
 Bromomethane
 Concen: 53.432 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.000 min
 Lab File: VU052997.D
 Acq: 08 Feb 2023 12:48

Tgt Ion: 94 Resp: 93652
 Ion Ratio Lower Upper
 94 100
 96 96.1 67.8 125.8

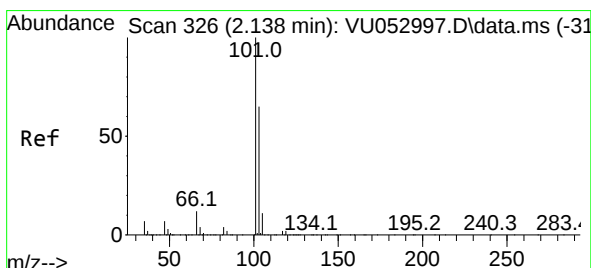
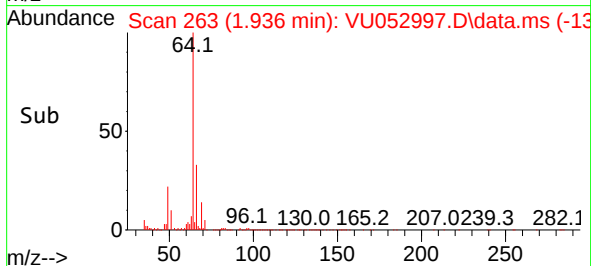
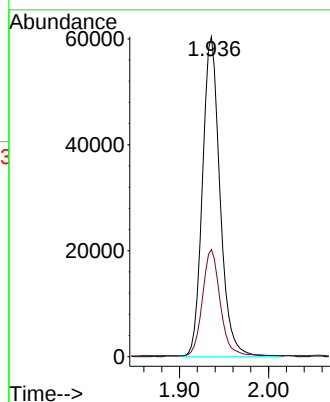
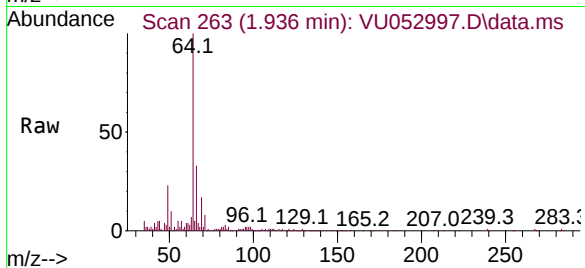




#8
Chloroethane
Concen: 48.356 ug/L
RT: 1.936 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

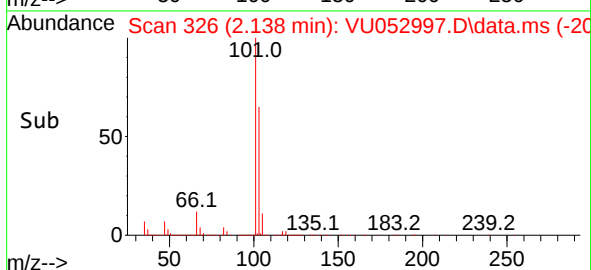
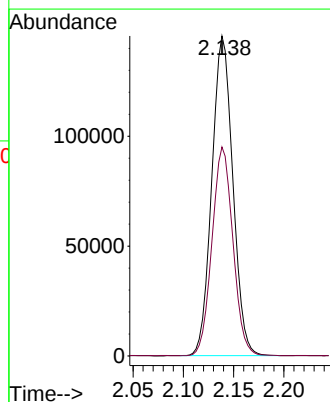
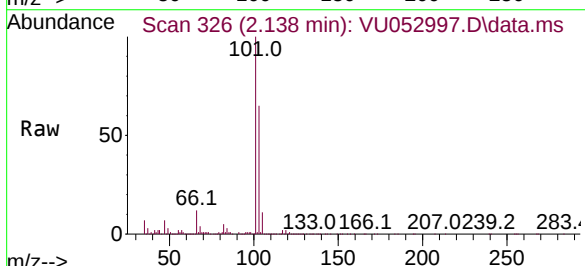
Instrument :
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ClientSampleId :
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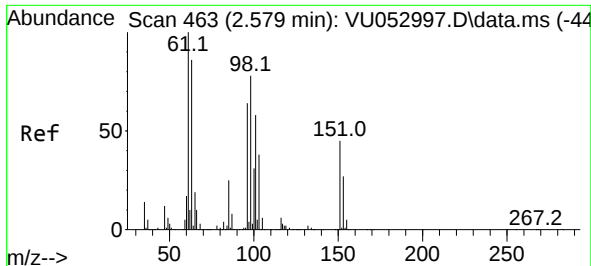
Tgt Ion: 64 Resp: 82653
Ion Ratio Lower Upper
64 100
66 33.5 24.1 44.7



#9
Trichlorofluoromethane
Concen: 46.868 ug/L
RT: 2.138 min Scan# 326
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion:101 Resp: 211241
Ion Ratio Lower Upper
101 100
103 65.2 52.0 78.0

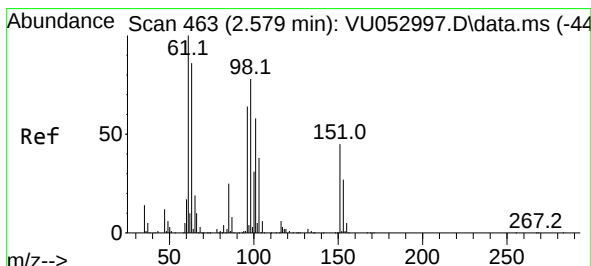
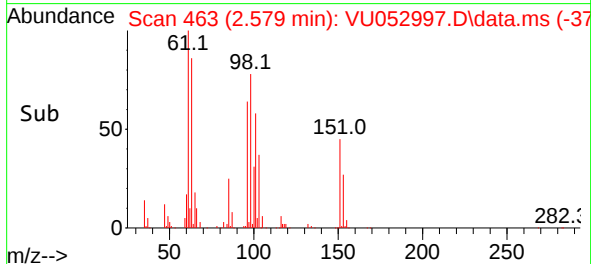
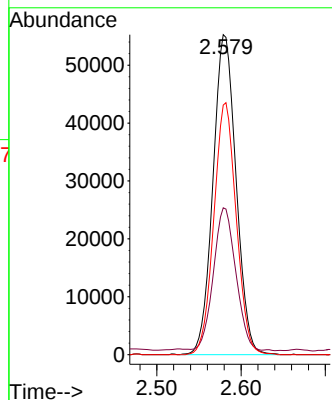
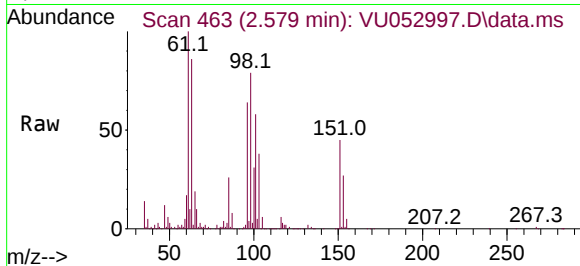




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.374 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VU052997.D
 Acq: 08 Feb 2023 12:48

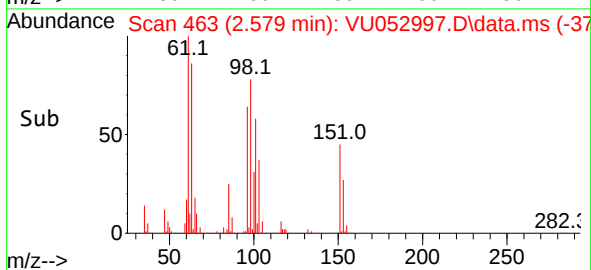
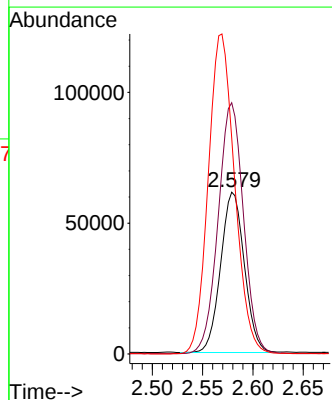
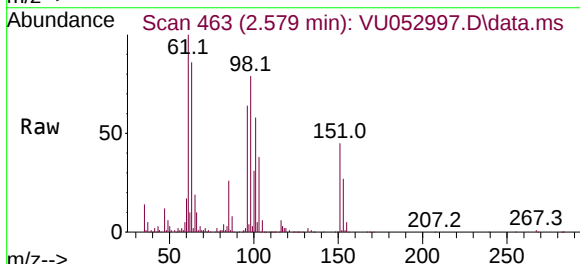
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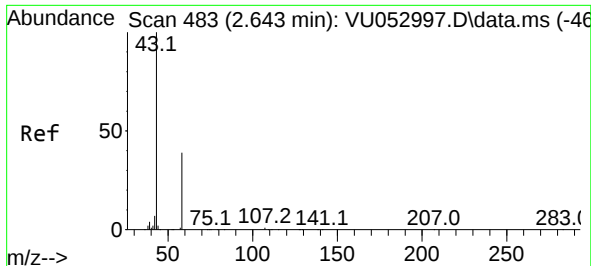
Tgt Ion:101 Resp: 105415
 Ion Ratio Lower Upper
 101 100
 85 42.9 32.9 49.3
 151 76.3 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 43.809 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VU052997.D
 Acq: 08 Feb 2023 12:48

Tgt Ion: 96 Resp: 100620
 Ion Ratio Lower Upper
 96 100
 61 155.3 114.3 212.3
 63 133.6 80.6 149.6

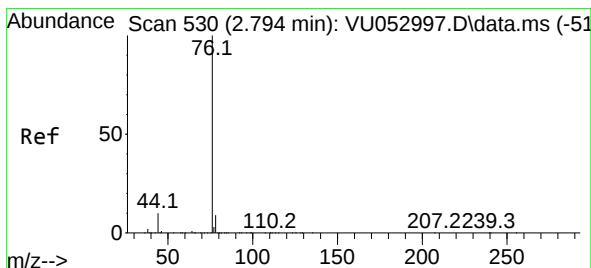
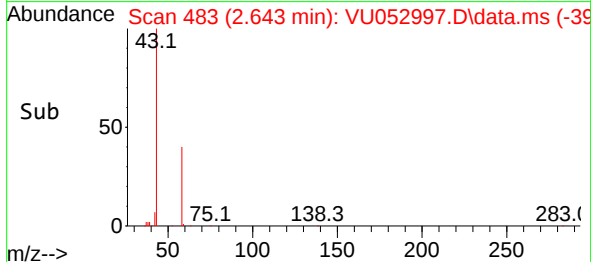
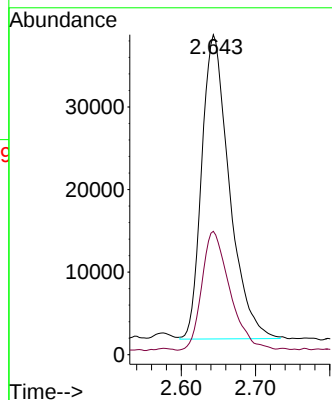
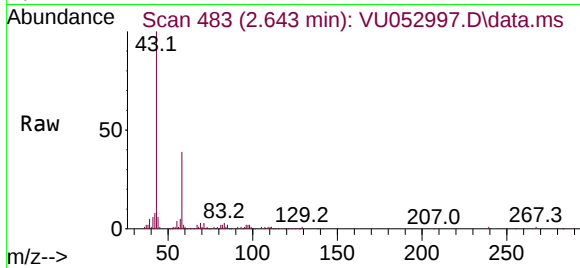




#13
Acetone
Concen: 59.862 ug/L
RT: 2.643 min Scan# 483
Delta R.T. 0.000 min
Lab File: VU052997.D
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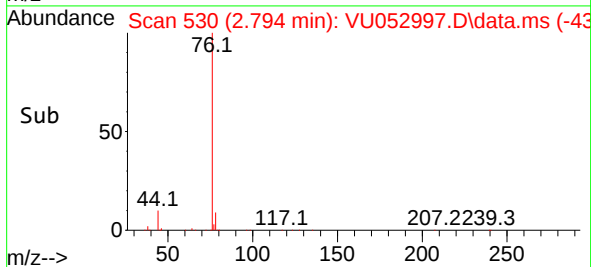
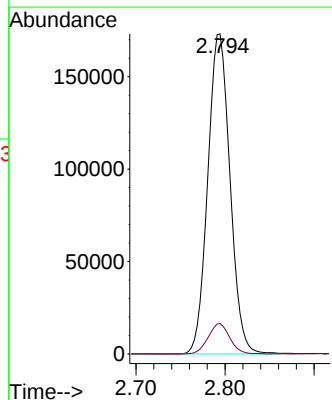
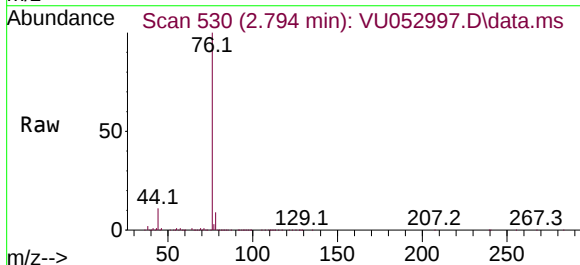
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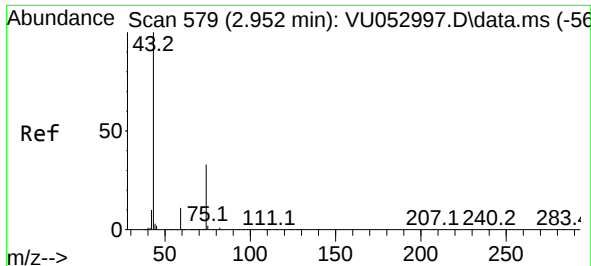
Tgt Ion: 43 Resp: 95090
Ion Ratio Lower Upper
43 100
58 39.8 0.0 70.2



#14
Carbon disulfide
Concen: 43.357 ug/L
RT: 2.794 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 76 Resp: 300183
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

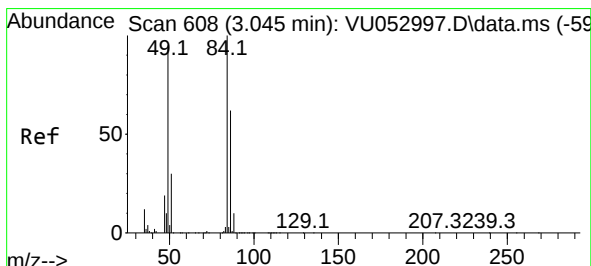
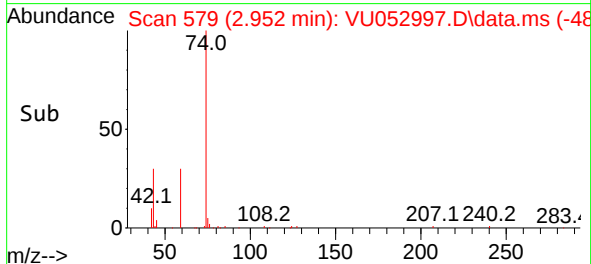
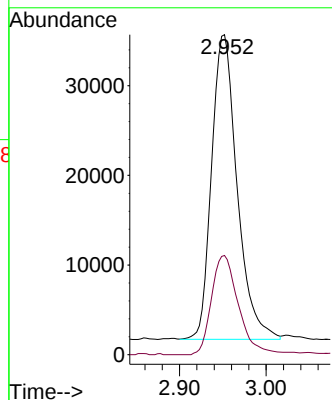
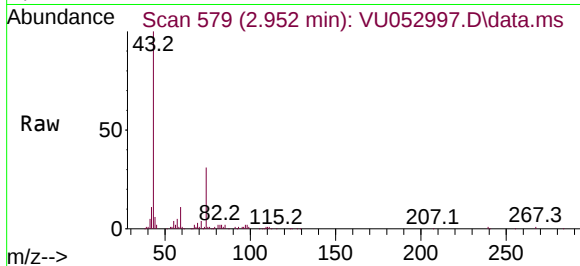




#15
Methyl Acetate
Concen: 32.525 ug/L
RT: 2.952 min Scan# 579
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

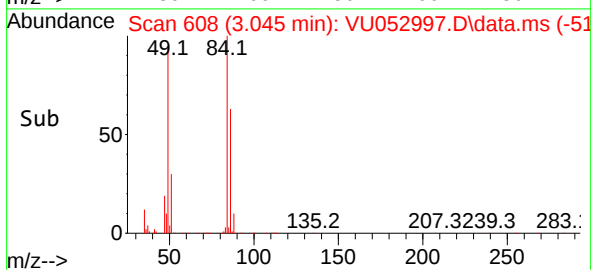
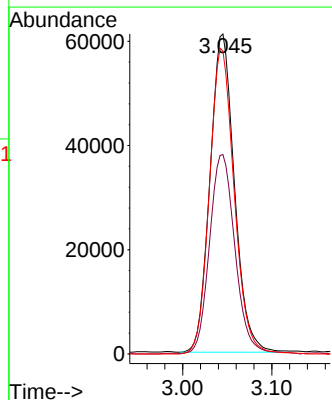
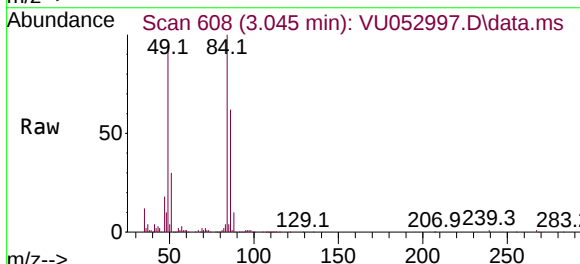
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

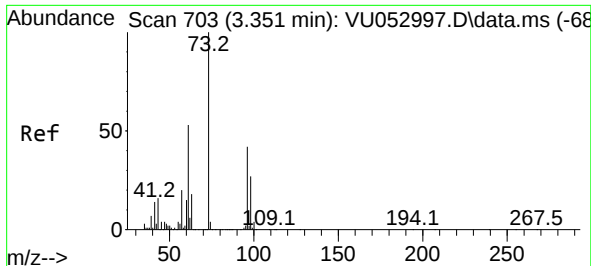
Tgt Ion: 43 Resp: 69579
Ion Ratio Lower Upper
43 100
74 34.4 22.0 33.0#



#16
Methylene chloride
Concen: 42.788 ug/L
RT: 3.045 min Scan# 608
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 84 Resp: 116228
Ion Ratio Lower Upper
84 100
86 62.3 43.4 80.6
49 94.7 72.4 134.5

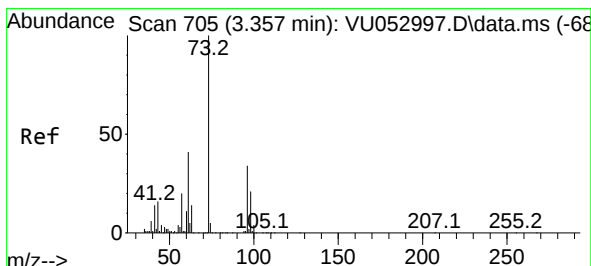
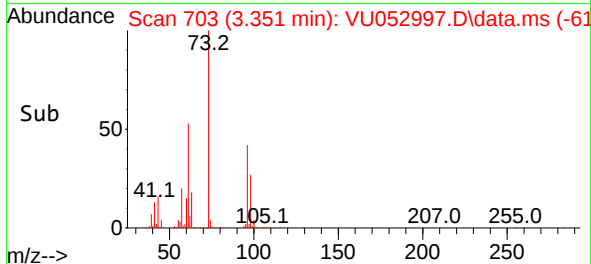
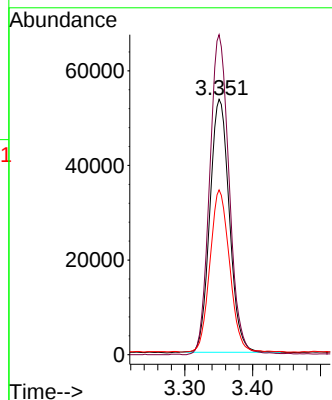
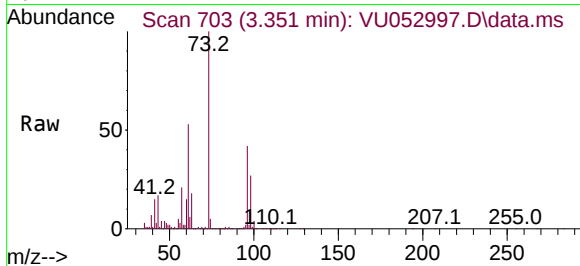




#17
trans-1,2-Dichloroethene
Concen: 43.272 ug/L
RT: 3.351 min Scan# 703
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

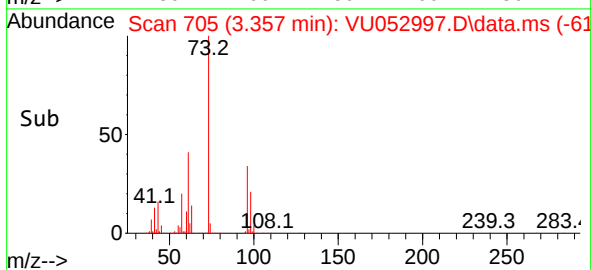
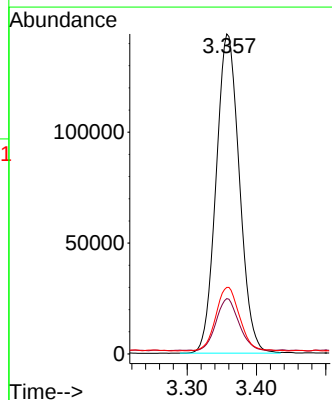
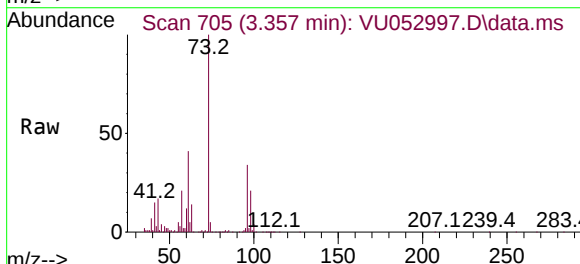
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

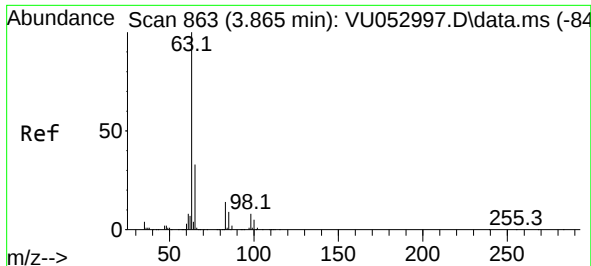
Tgt Ion: 96 Resp: 106835
Ion Ratio Lower Upper
96 100
61 125.3 92.7 172.3
98 64.6 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 46.032 ug/L
RT: 3.357 min Scan# 705
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 73 Resp: 336336
Ion Ratio Lower Upper
73 100
43 15.8 14.2 21.2
57 20.2 16.3 24.5





#19

1,1-Dichloroethane

Concen: 42.956 ug/L

RT: 3.865 min Scan# 863

Delta R.T. 0.000 min

Lab File: VU052997.D

Acq: 08 Feb 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050075

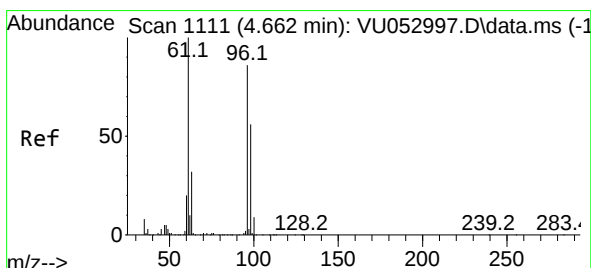
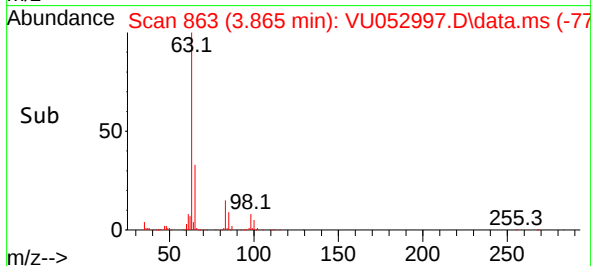
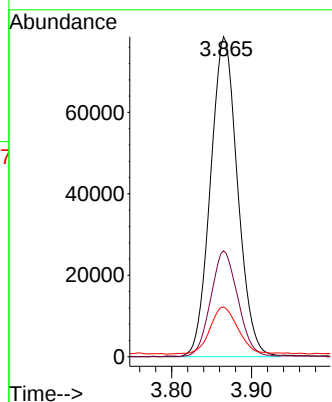
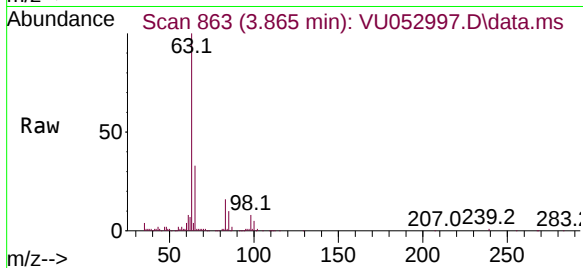
Tgt Ion: 63 Resp: 185146

Ion Ratio Lower Upper

63 100

65 33.1 22.4 41.6

83 15.5 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 46.401 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VU052997.D

Acq: 08 Feb 2023 12:48

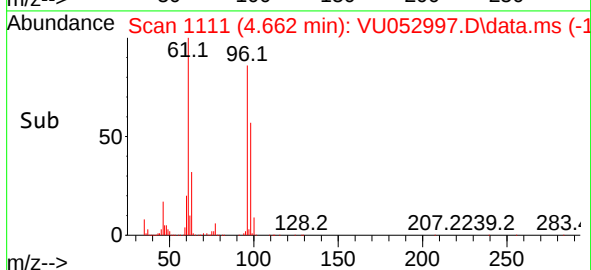
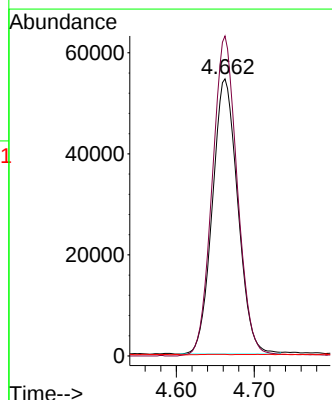
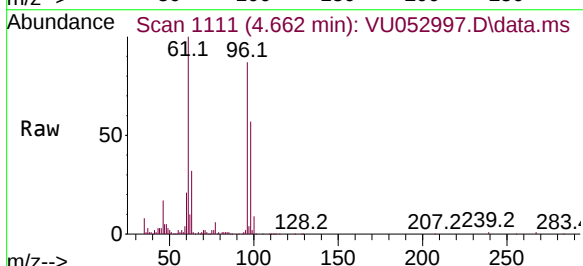
Tgt Ion: 96 Resp: 123499

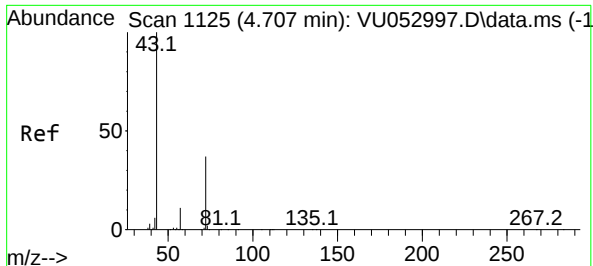
Ion Ratio Lower Upper

96 100

61 115.4 84.1 156.1

68 0.6 0.0 0.0#

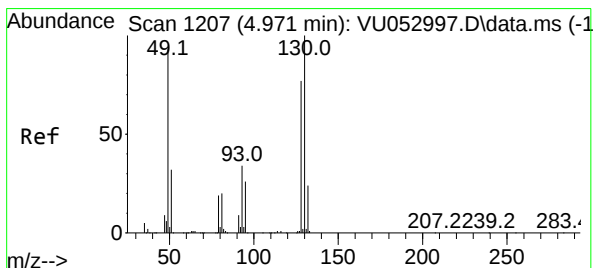
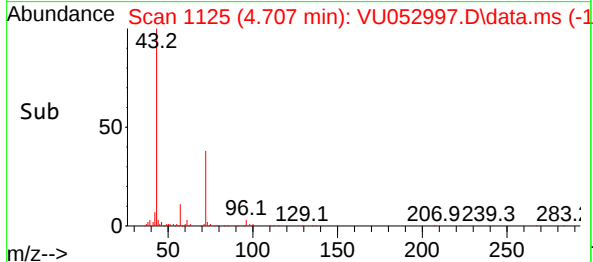
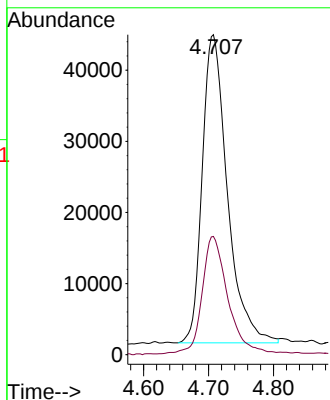
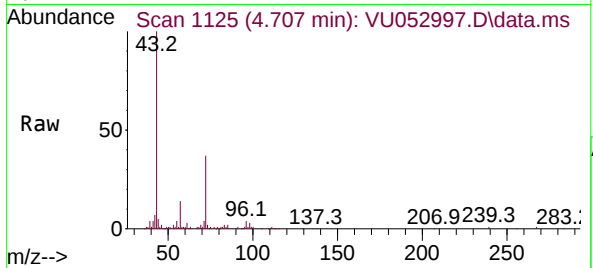




#22
2-Butanone
Concen: 68.504 ug/L
RT: 4.707 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

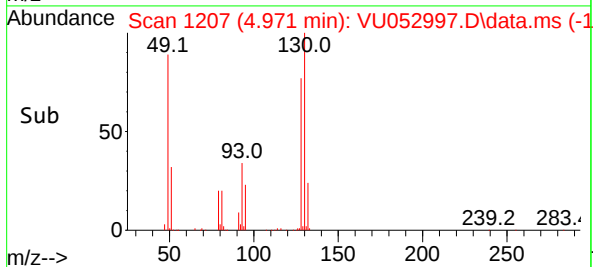
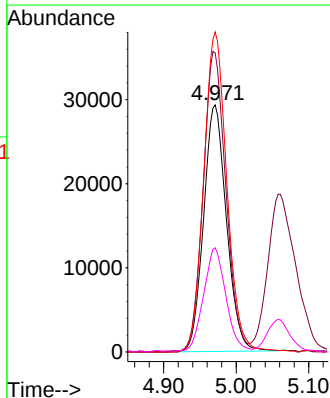
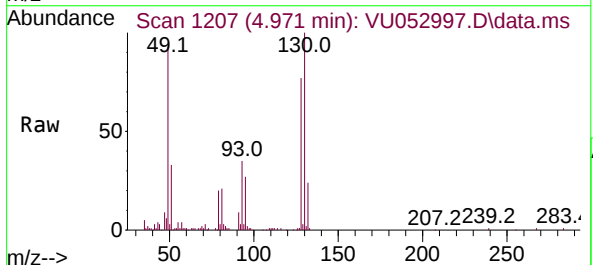
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

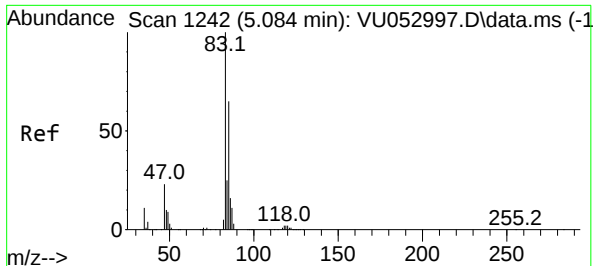
Tgt Ion: 43 Resp: 116581
Ion Ratio Lower Upper
43 100
72 37.6 15.5 46.5



#23
Bromochloromethane
Concen: 43.415 ug/L
RT: 4.971 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 128 Resp: 64273
Ion Ratio Lower Upper
128 100
49 121.1 90.1 167.3
130 129.5 90.1 167.3
51 42.2 35.0 52.6





#25

Chloroform

Concen: 42.649 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052997.D

Acq: 08 Feb 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

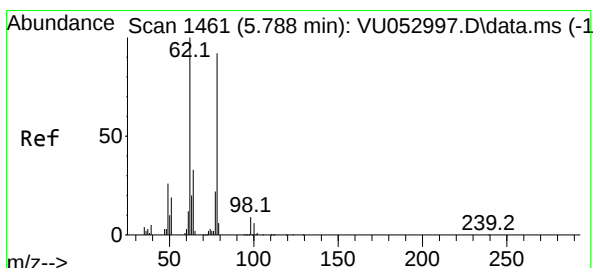
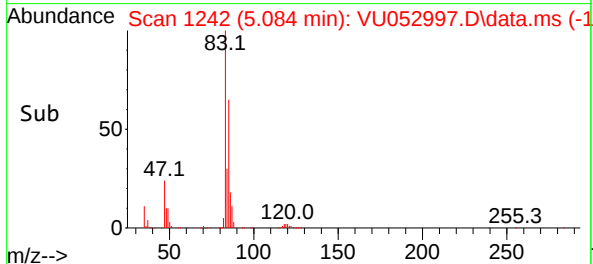
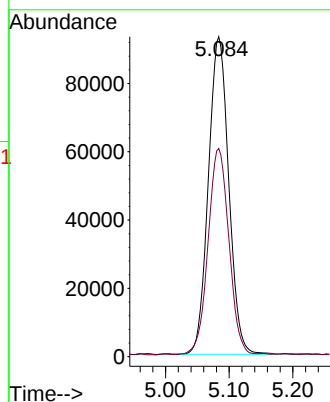
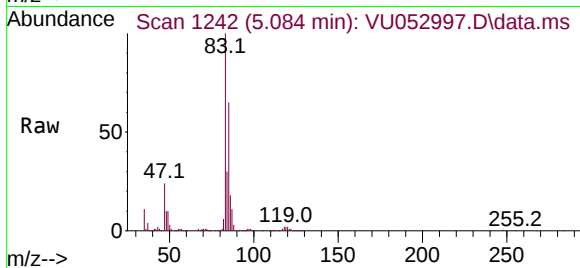
VSTD050075

Tgt Ion: 83 Resp: 206677

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.0



#27

1,2-Dichloroethane

Concen: 39.298 ug/L

RT: 5.788 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VU052997.D

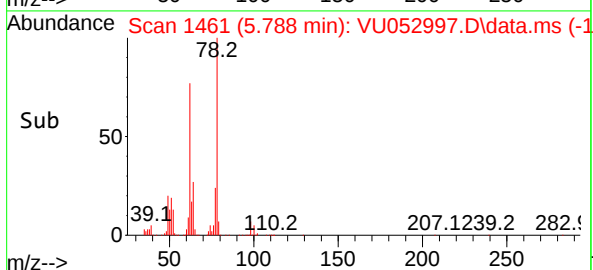
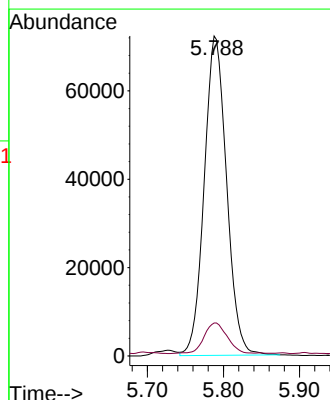
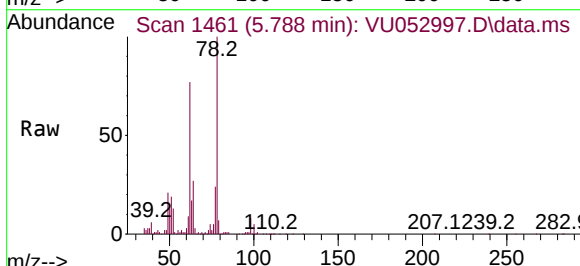
Acq: 08 Feb 2023 12:48

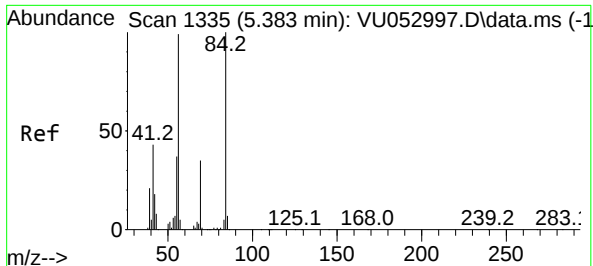
Tgt Ion: 62 Resp: 147770

Ion Ratio Lower Upper

62 100

98 10.3 7.6 11.4





#29

Cyclohexane

Concen: 48.022 ug/L

RT: 5.383 min Scan# 1335

Delta R.T. 0.000 min

Lab File: VU052997.D

Acq: 08 Feb 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050075

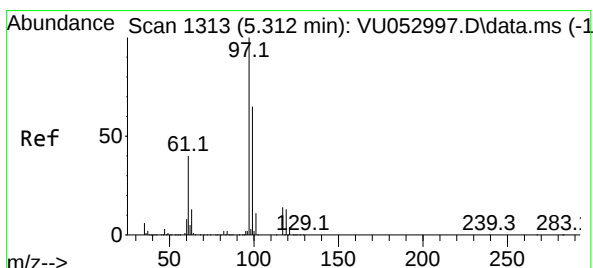
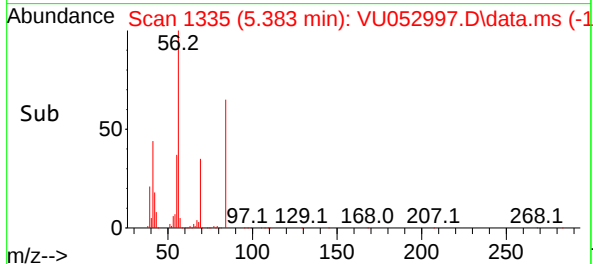
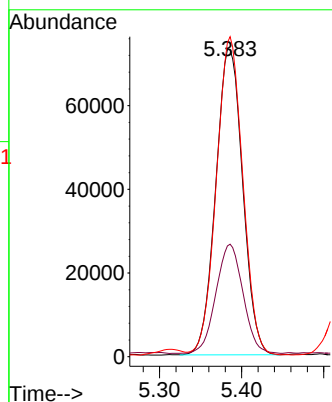
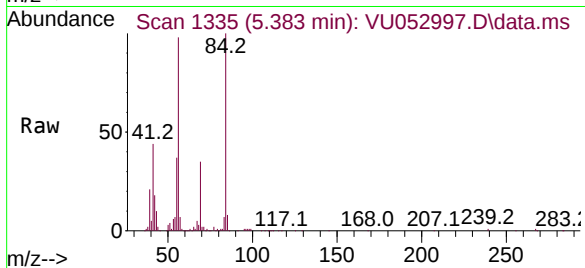
Tgt Ion: 56 Resp: 167237

Ion Ratio Lower Upper

56 100

69 35.6 26.6 40.0

84 101.9 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 44.061 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VU052997.D

Acq: 08 Feb 2023 12:48

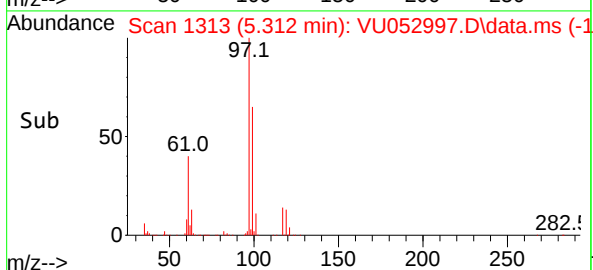
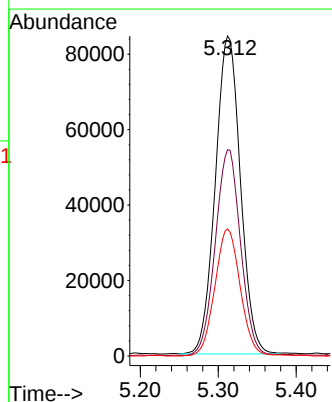
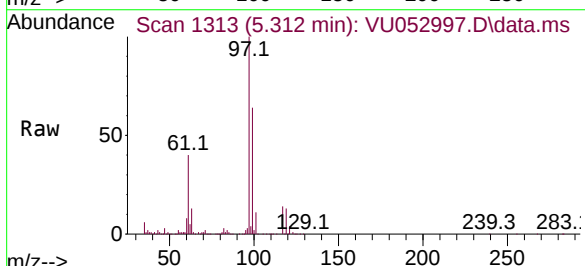
Tgt Ion: 97 Resp: 188508

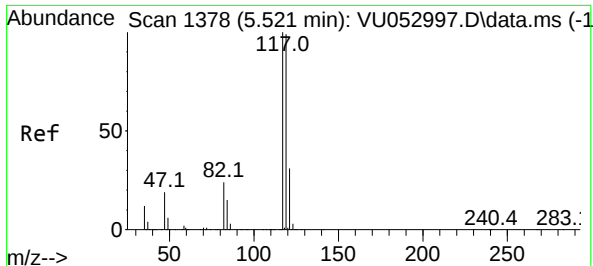
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.0

61 40.3 33.0 49.6

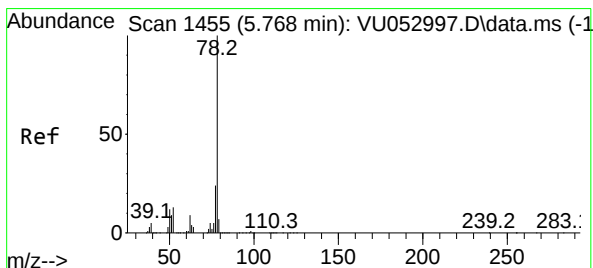
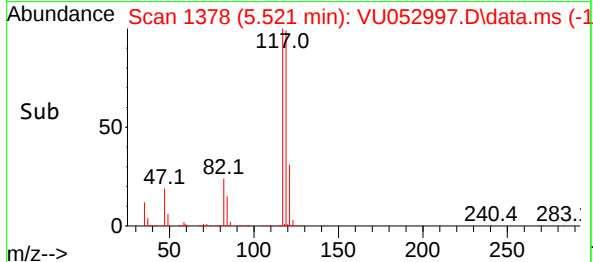
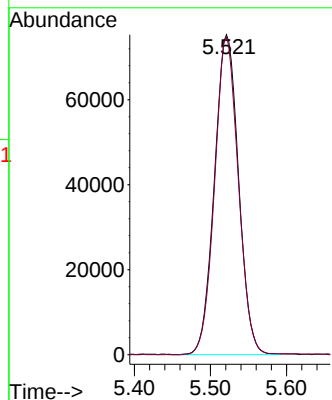
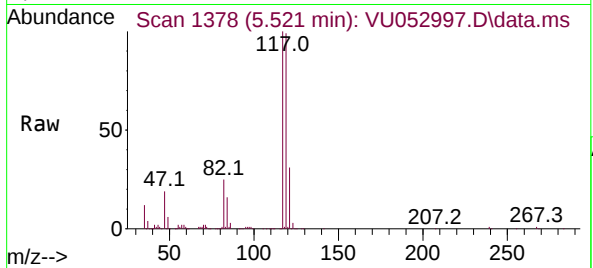




#31
Carbon tetrachloride
Concen: 44.742 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

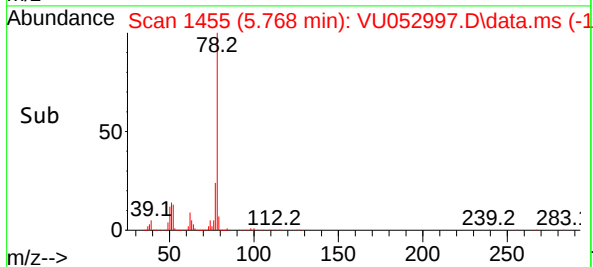
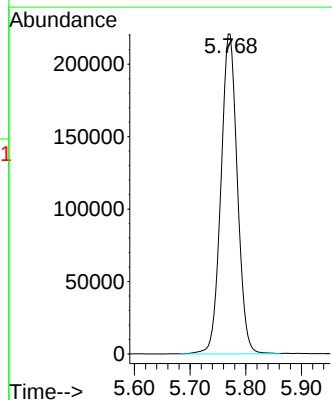
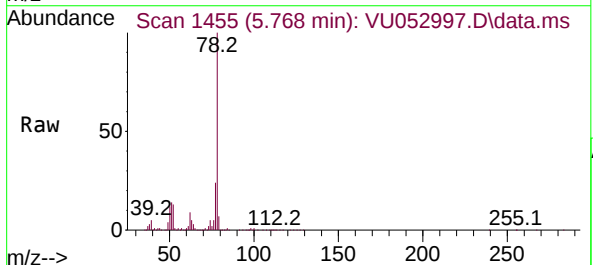
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

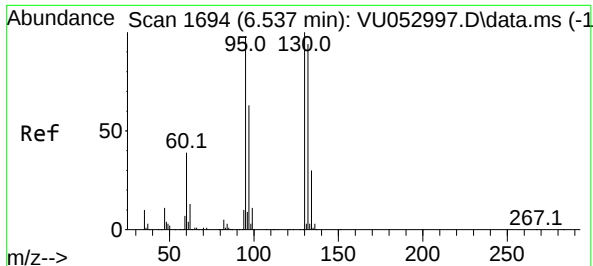
Tgt Ion:117 Resp: 166042
Ion Ratio Lower Upper
117 100
119 97.2 76.2 114.4



#33
Benzene
Concen: 45.649 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 78 Resp: 453400



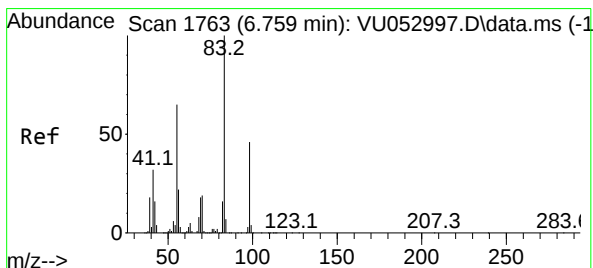
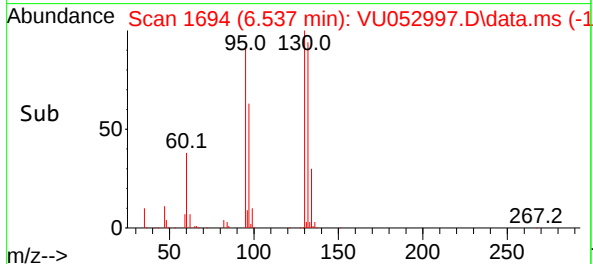
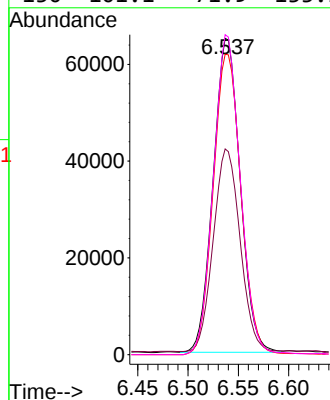
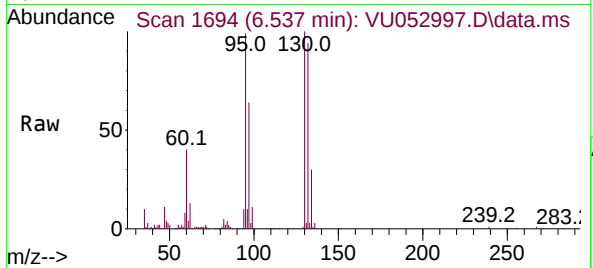


#34
Trichloroethene
Concen: 47.213 ug/L
RT: 6.537 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

Tgt Ion: 95 Resp: 120965

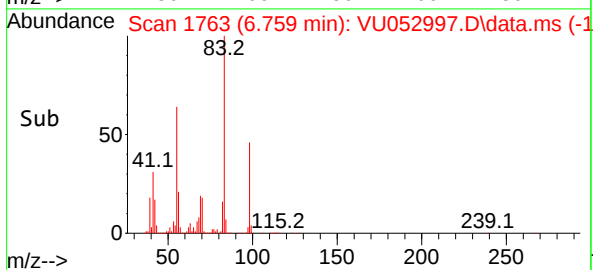
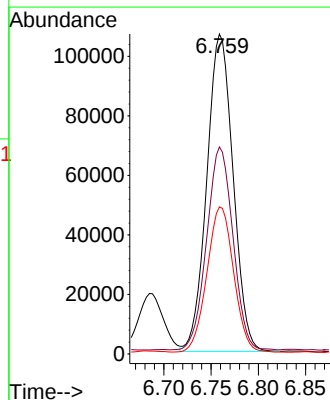
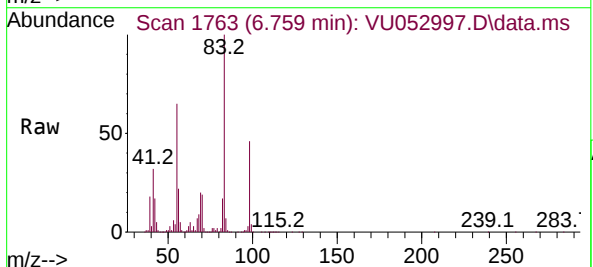
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.5	82.7
132	95.0	66.8	124.0
130	101.1	71.9	133.5

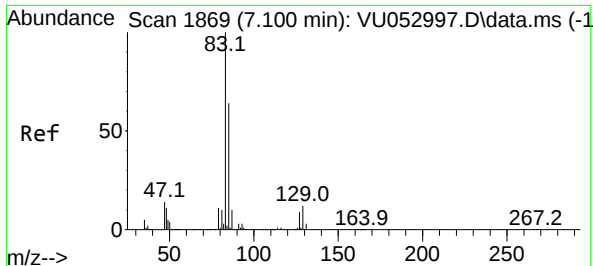


#35
Methylcyclohexane
Concen: 50.657 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 83 Resp: 206567

Ion	Ratio	Lower	Upper
83	100		
55	63.7	57.1	85.7
98	46.5	38.9	58.3

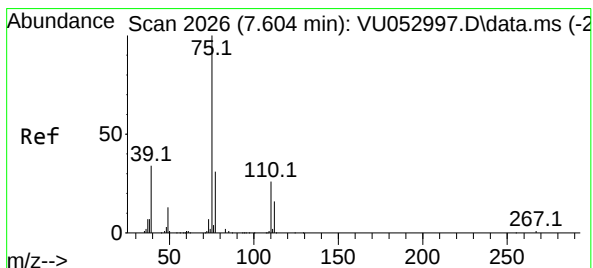
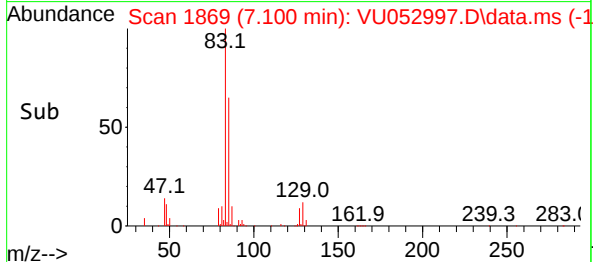
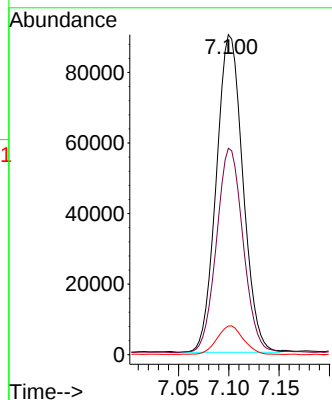
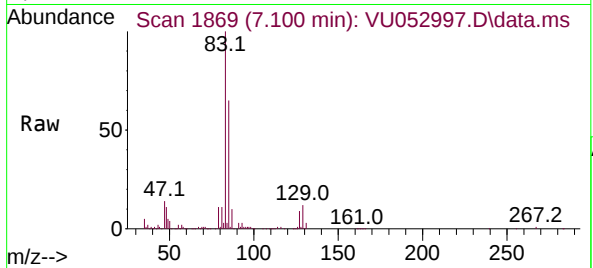




#38
Bromodichloromethane
Concen: 45.848 ug/L
RT: 7.100 min Scan# 1869
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

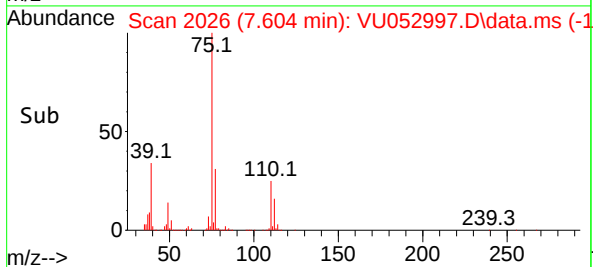
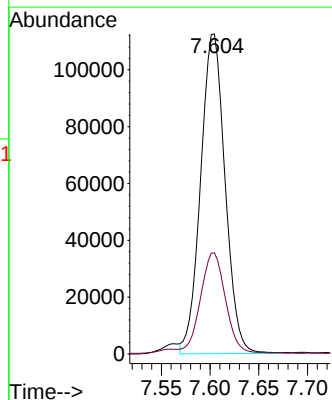
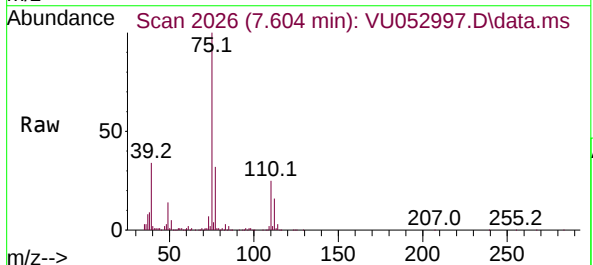
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

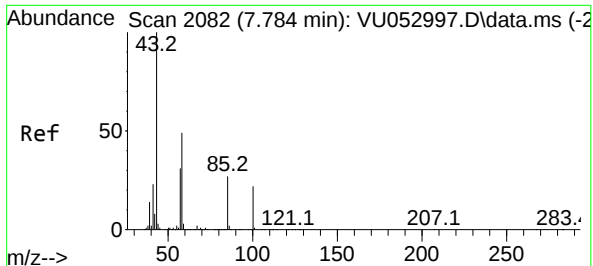
Tgt Ion: 83 Resp: 165655
Ion Ratio Lower Upper
83 100
85 64.5 45.2 84.0
127 9.0 7.4 11.0



#39
cis-1,3-Dichloropropene
Concen: 50.363 ug/L
RT: 7.604 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 75 Resp: 196695
Ion Ratio Lower Upper
75 100
77 31.6 21.6 40.0





#40

4-Methyl-2-pentanone

Concen: 78.507 ug/L

RT: 7.784 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VU052997.D

Acq: 08 Feb 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050075

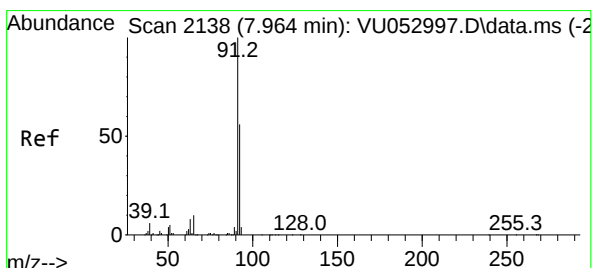
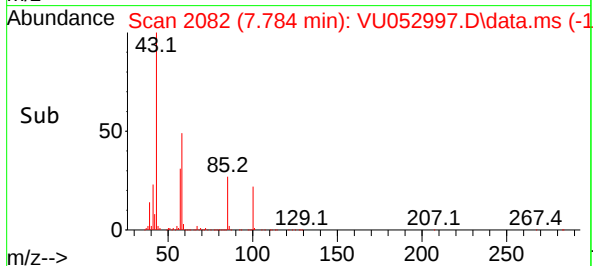
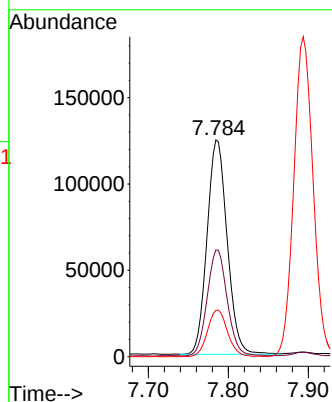
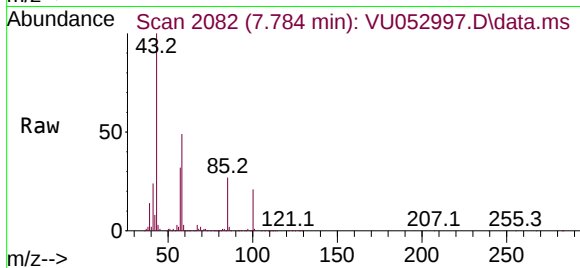
Tgt Ion: 43 Resp: 217173

Ion Ratio Lower Upper

43 100

58 49.2 35.4 53.2

100 21.6 16.0 24.0



#42

Toluene

Concen: 49.634 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU052997.D

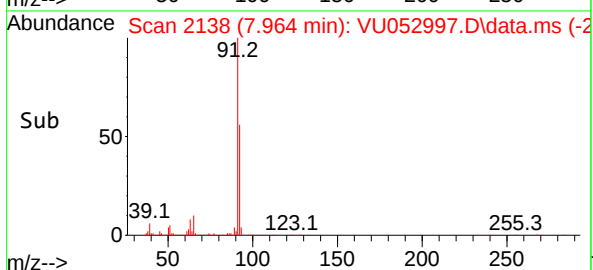
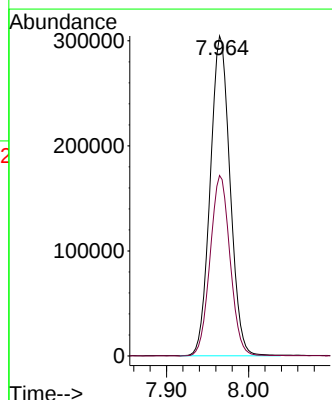
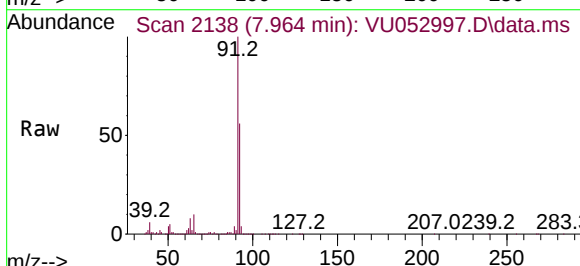
Acq: 08 Feb 2023 12:48

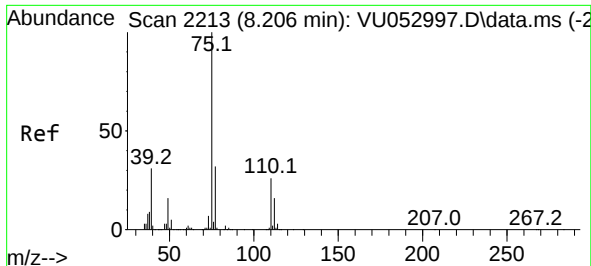
Tgt Ion: 91 Resp: 511994

Ion Ratio Lower Upper

91 100

92 56.4 42.6 79.0

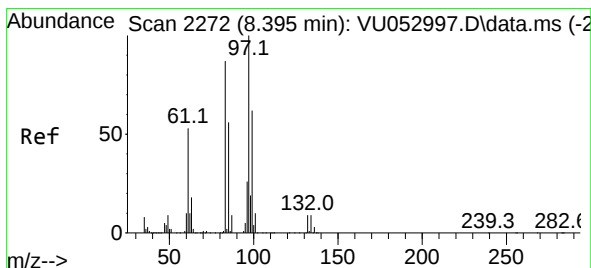
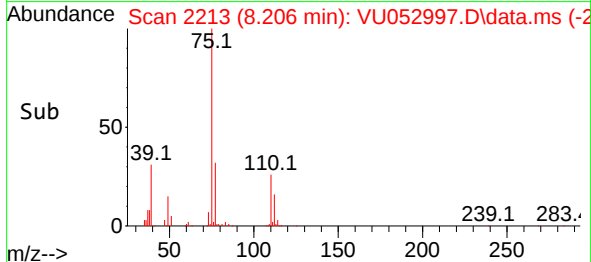
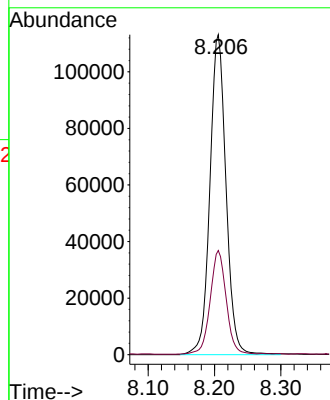
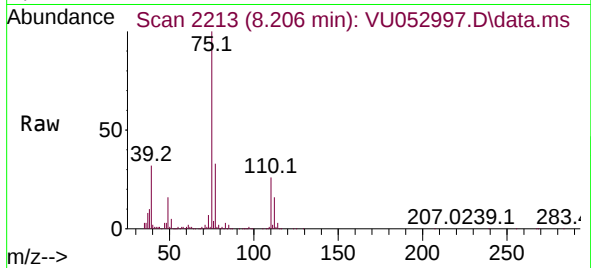




#44
trans-1,3-Dichloropropene
Concen: 49.859 ug/L
RT: 8.206 min Scan# 2213
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

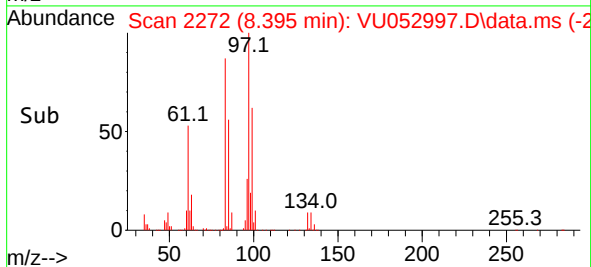
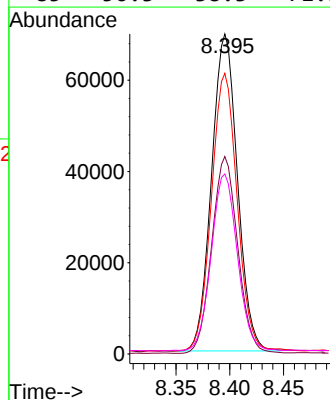
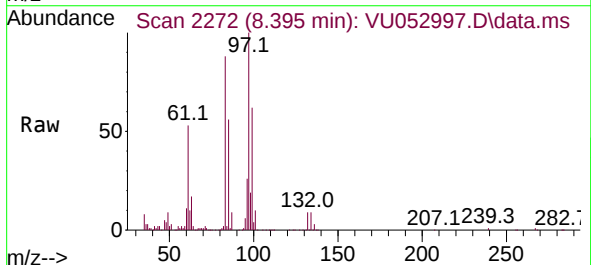
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

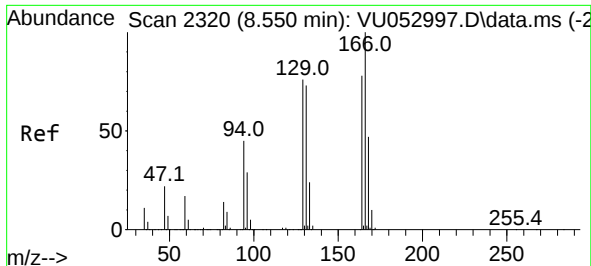
Tgt Ion: 75 Resp: 190766
Ion Ratio Lower Upper
75 100
77 32.6 22.3 41.3



#45
1,1,2-Trichloroethane
Concen: 46.302 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 97 Resp: 116315
Ion Ratio Lower Upper
97 100
99 61.7 44.7 83.1
83 87.7 60.3 112.1
85 56.3 38.3 71.1

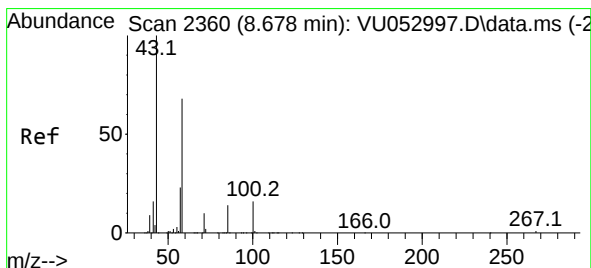
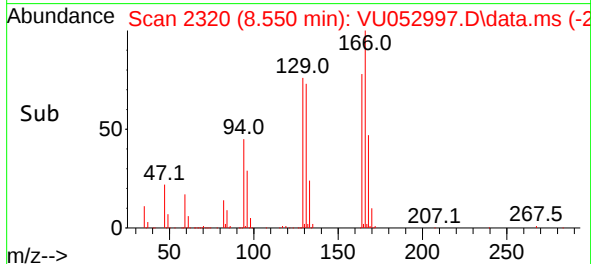
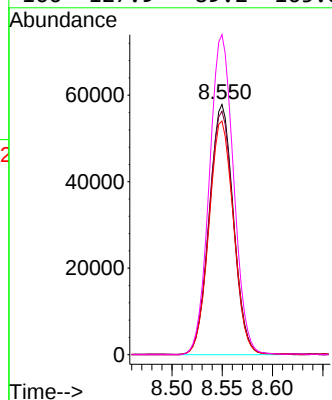
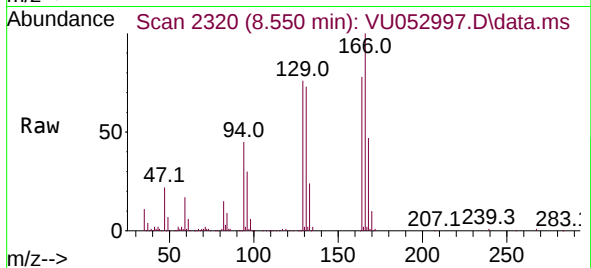




#46
Tetrachloroethene
Concen: 44.646 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

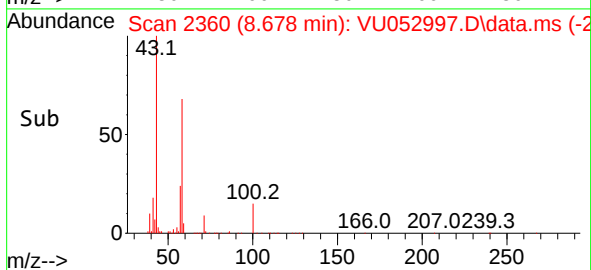
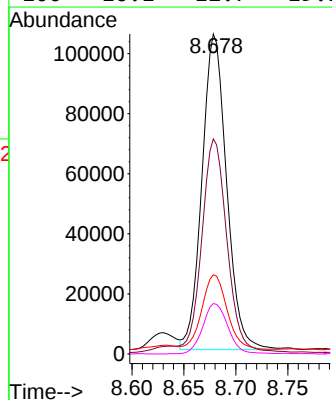
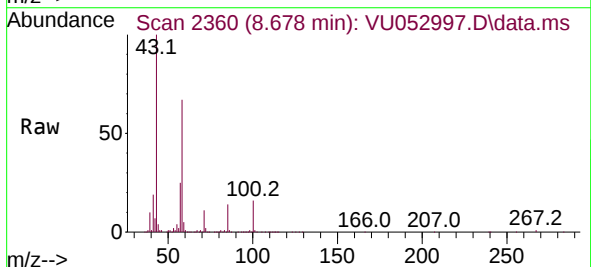
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

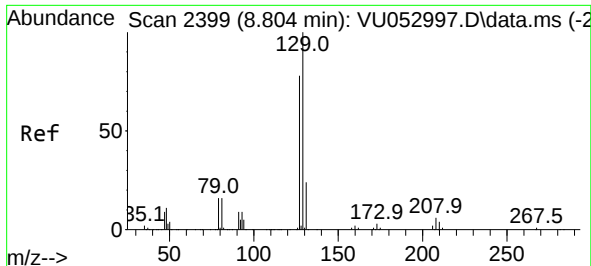
Tgt Ion:	164	Resp:	96916
Ion	Ratio	Lower	Upper
164	100		
129	97.2	64.8	120.3
131	93.4	61.2	113.6
166	127.9	89.2	165.8



#48
2-Hexanone
Concen: 74.984 ug/L
RT: 8.678 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion:	43	Resp:	173836
Ion	Ratio	Lower	Upper
43	100		
58	69.0	48.0	72.0
57	24.0	16.8	25.2
100	16.1	12.7	19.1

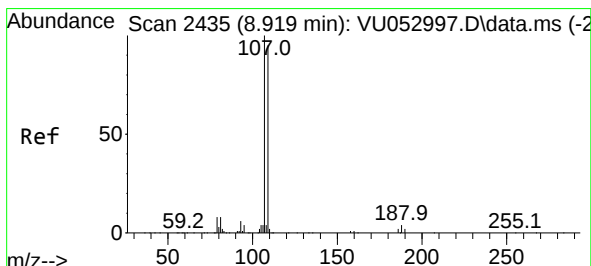
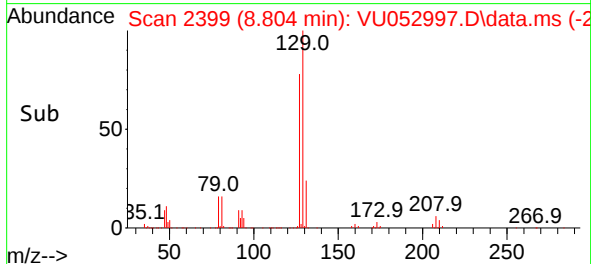
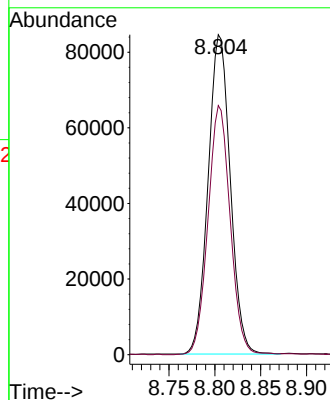
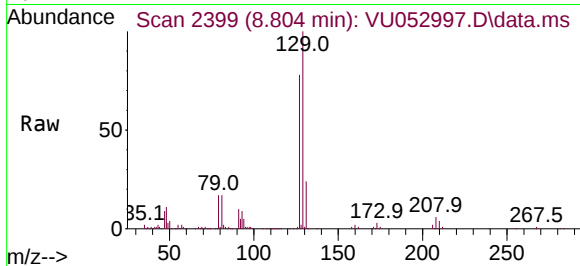




#49
Dibromochloromethane
Concen: 46.944 ug/L
RT: 8.804 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

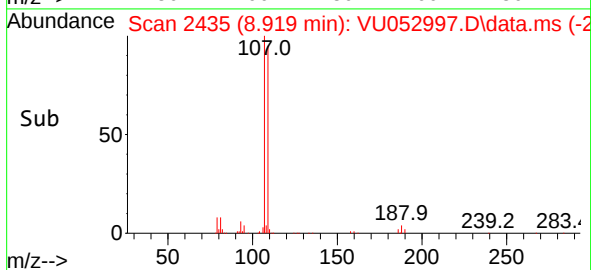
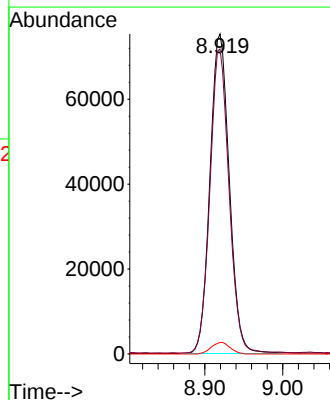
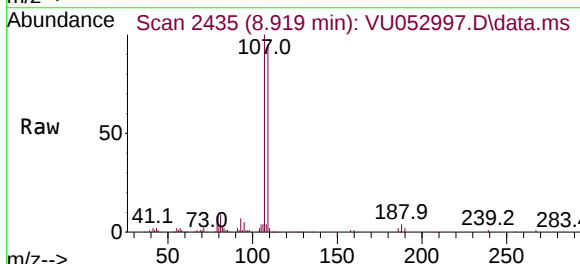
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

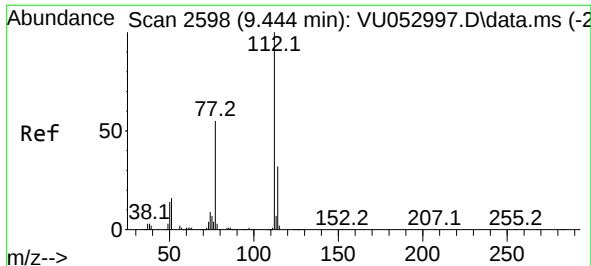
Tgt Ion:129 Resp: 141827
Ion Ratio Lower Upper
129 100
127 77.8 53.2 98.8



#50
1,2-Dibromoethane
Concen: 47.688 ug/L
RT: 8.919 min Scan# 2435
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion:107 Resp: 129682
Ion Ratio Lower Upper
107 100
109 95.3 65.5 121.6
188 3.6 3.2 4.8

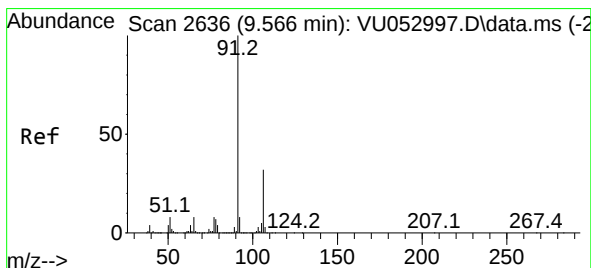
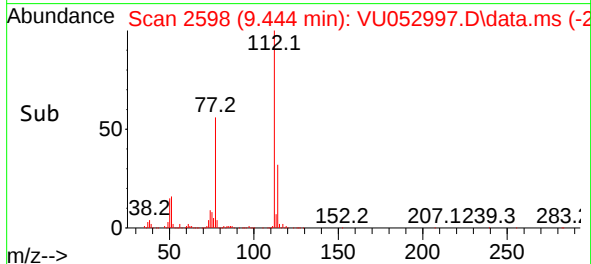
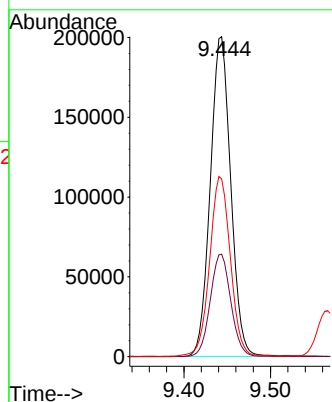
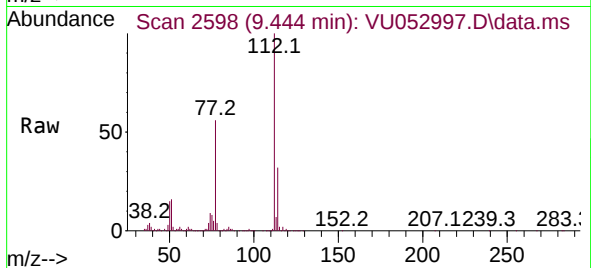




#51
Chlorobenzene
Concen: 46.328 ug/L
RT: 9.444 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

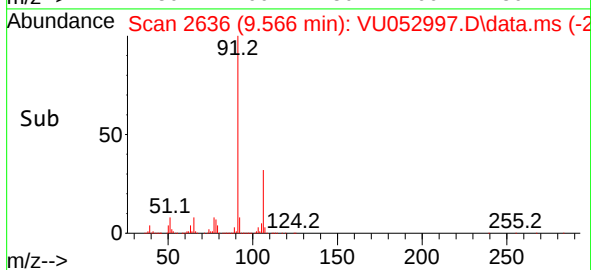
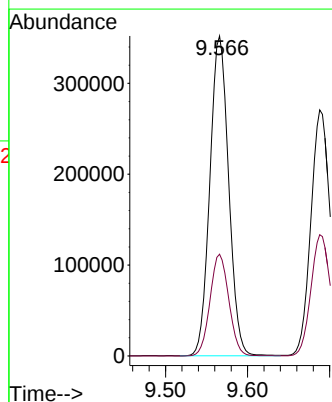
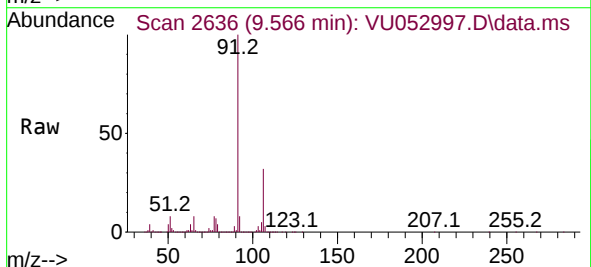
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

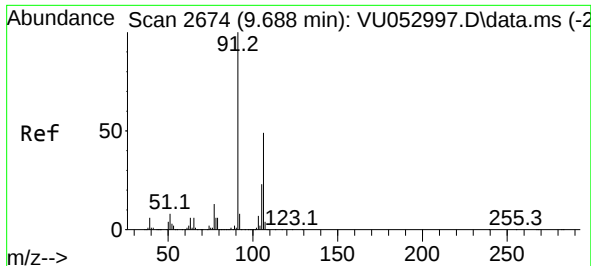
Tgt Ion:112 Resp: 327568
Ion Ratio Lower Upper
112 100
114 32.0 22.8 42.4
77 55.6 45.9 68.9



#52
Ethylbenzene
Concen: 50.468 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 91 Resp: 559641
Ion Ratio Lower Upper
91 100
106 31.8 22.0 40.8

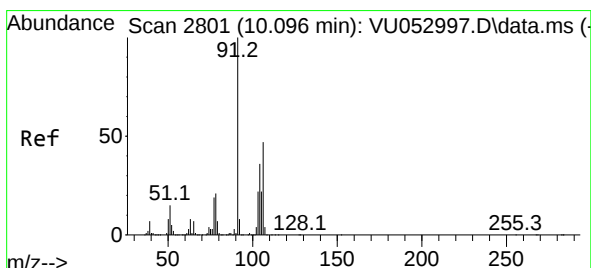
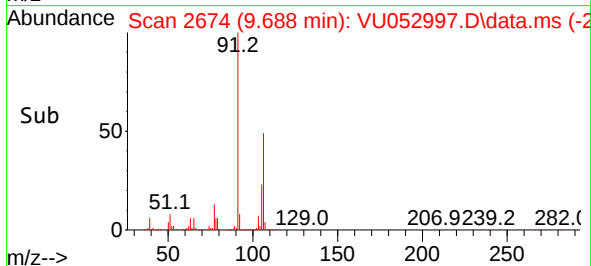
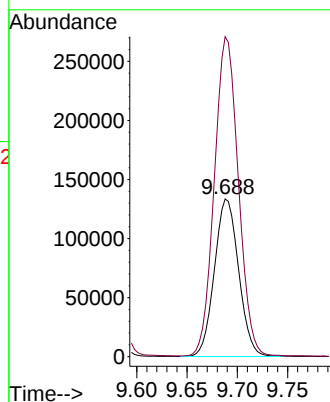
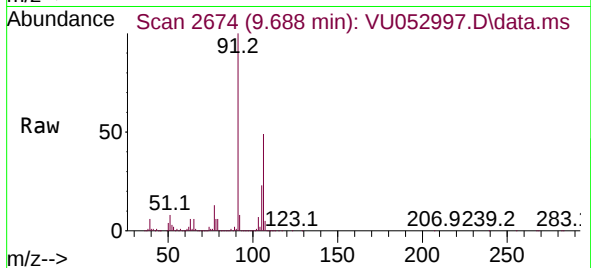




#53
m,p-Xylene
Concen: 50.025 ug/L
RT: 9.688 min Scan# 2674
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

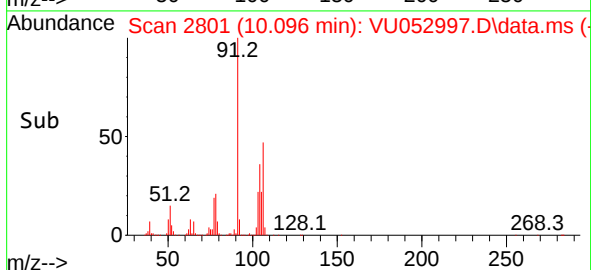
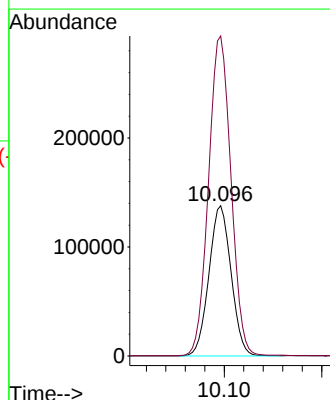
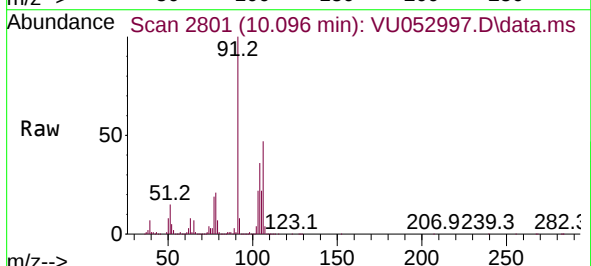
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

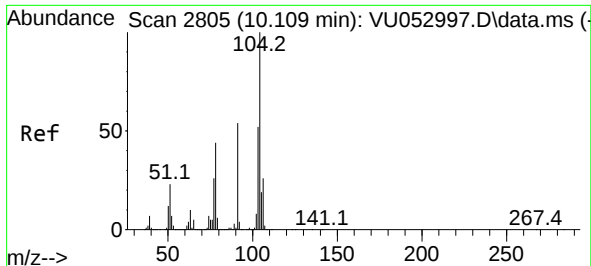
Tgt Ion:106 Resp: 223324
Ion Ratio Lower Upper
106 100
91 202.9 137.4 255.2



#54
o-xylene
Concen: 51.065 ug/L
RT: 10.096 min Scan# 2801
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion:106 Resp: 217820
Ion Ratio Lower Upper
106 100
91 213.0 143.4 266.2

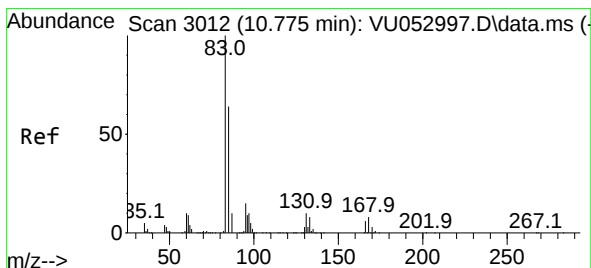
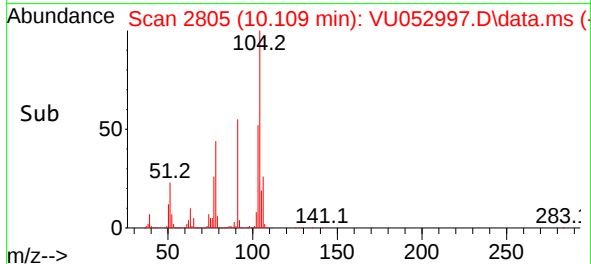
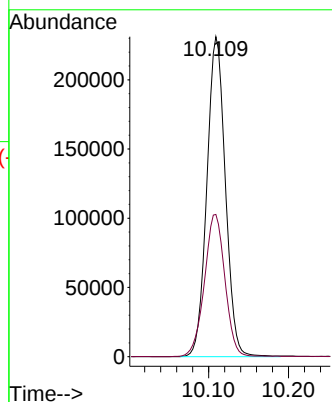
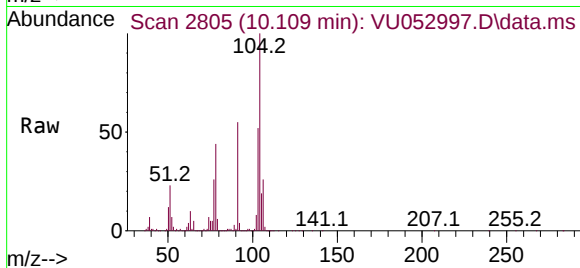




#55
Styrene
Concen: 50.927 ug/L
RT: 10.109 min Scan# 2805
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

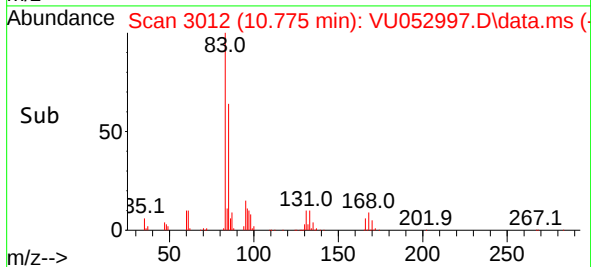
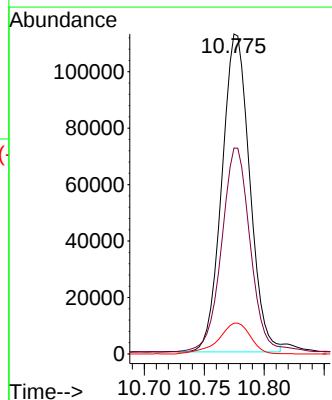
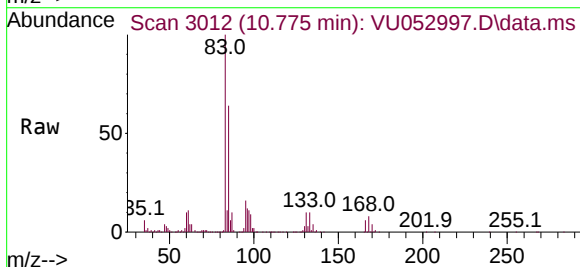
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

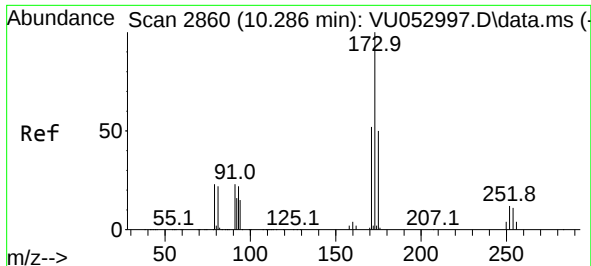
Tgt Ion:104 Resp: 371968
Ion Ratio Lower Upper
104 100
78 44.4 31.9 59.2



#57
1,1,2,2-Tetrachloroethane
Concen: 45.011 ug/L
RT: 10.775 min Scan# 3012
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 83 Resp: 181644
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6
131 9.6 8.6 12.8

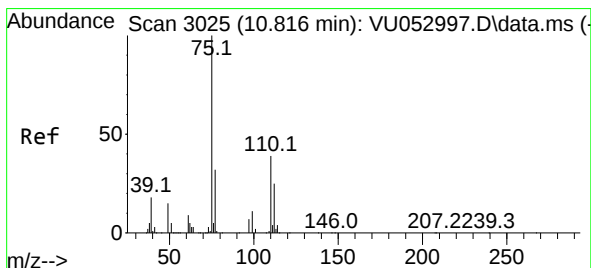
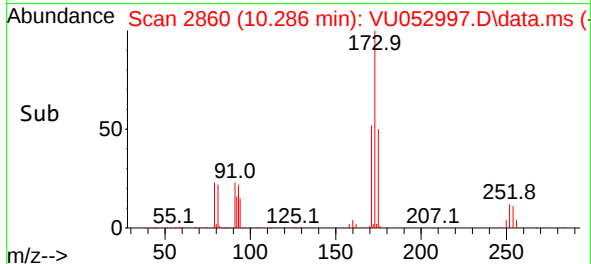
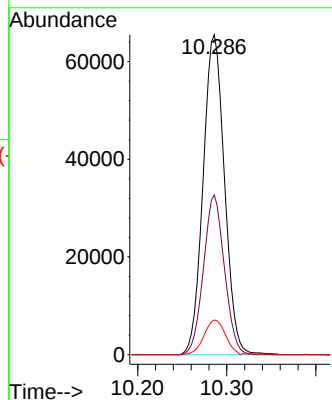
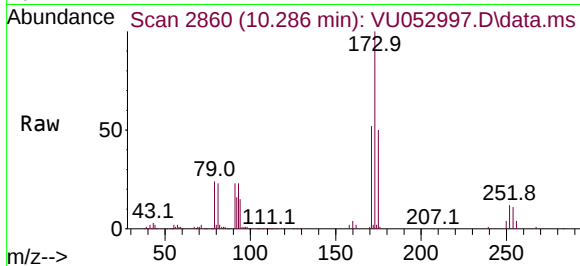




#59
Bromoform
Concen: 46.717 ug/L
RT: 10.286 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

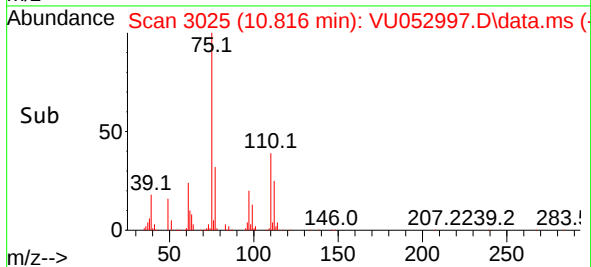
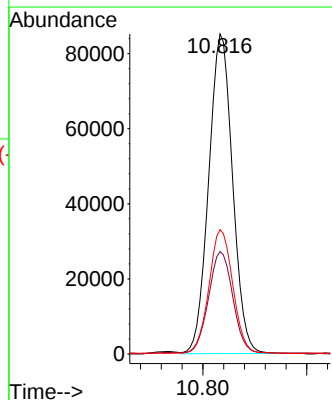
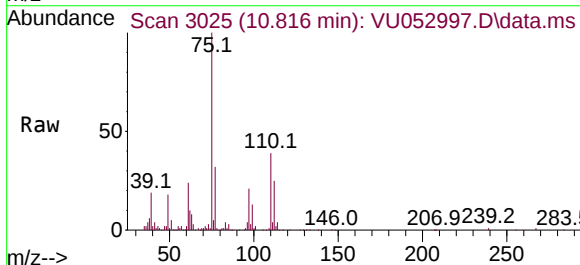
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

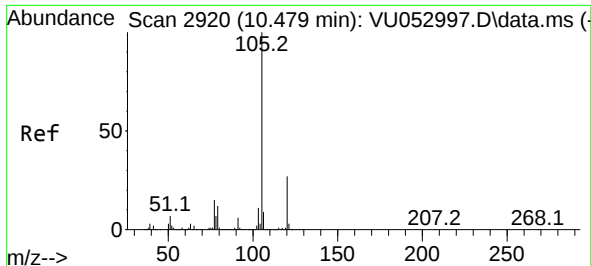
Tgt Ion:173 Resp: 109451
Ion Ratio Lower Upper
173 100
175 48.7 37.7 56.5
254 10.8 8.3 12.5



#60
1,2,3-Trichloropropane
Concen: 41.711 ug/L
RT: 10.816 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion: 75 Resp: 135402
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8
110 38.8 32.4 48.6

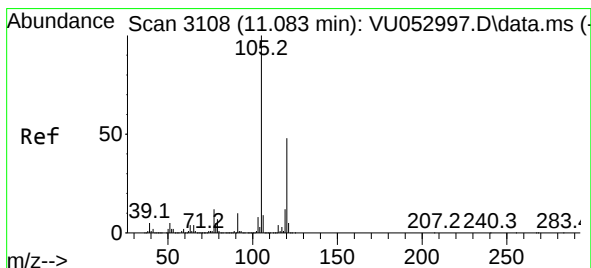
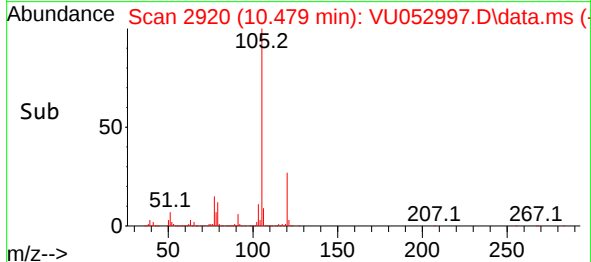
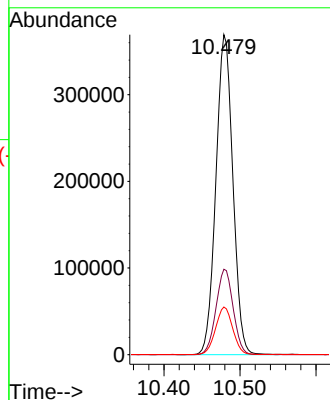
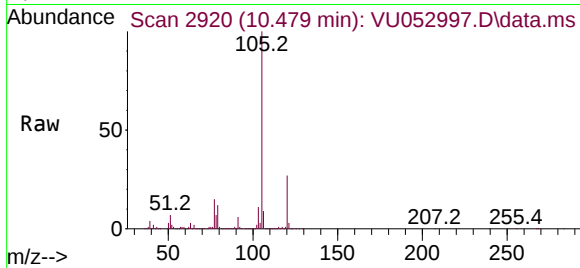




#61
Isopropylbenzene
Concen: 51.264 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

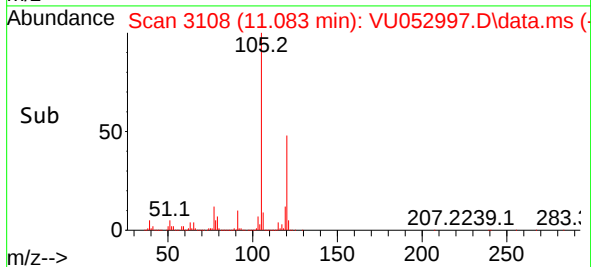
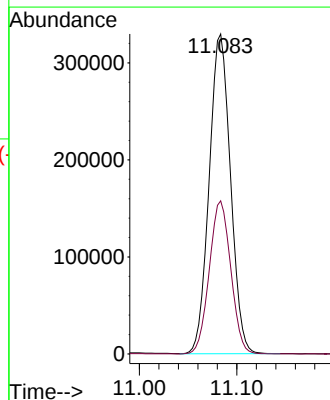
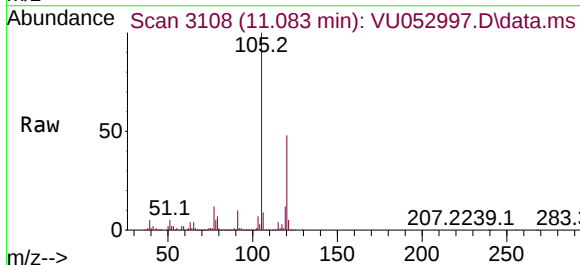
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

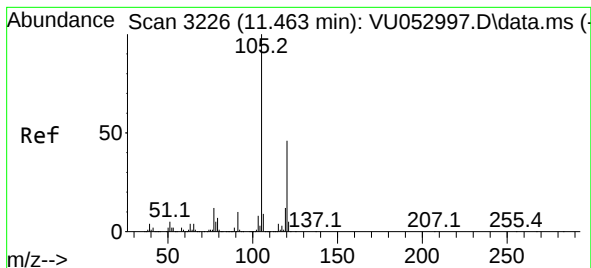
Tgt Ion:105 Resp: 572125
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.2
77 14.9 12.2 18.2



#62
1,3,5-Trimethylbenzene
Concen: 53.502 ug/L
RT: 11.083 min Scan# 3108
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion:105 Resp: 501253
Ion Ratio Lower Upper
105 100
120 48.3 40.4 60.6





#63

1,2,4-Trimethylbenzene

Concen: 54.262 ug/L

RT: 11.463 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052997.D

Acq: 08 Feb 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

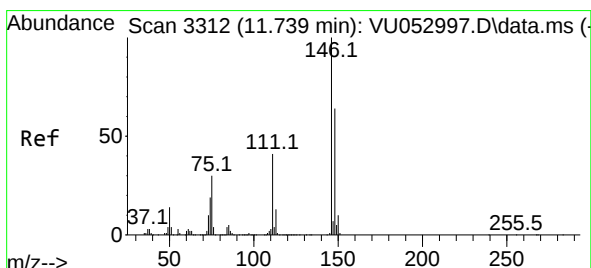
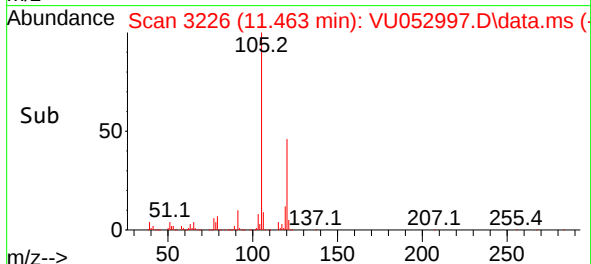
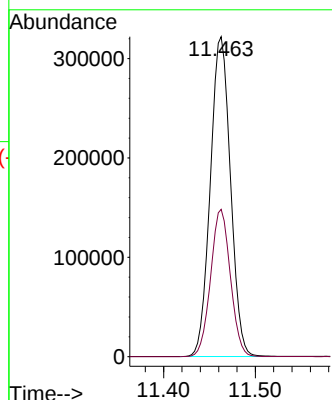
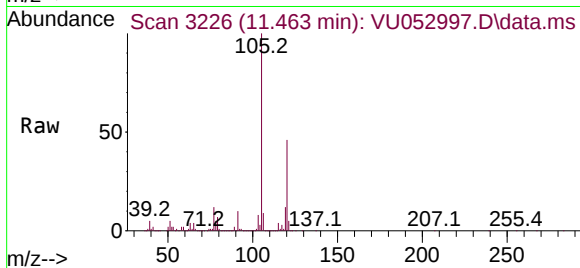
VSTD050075

Tgt Ion:105 Resp: 491726

Ion Ratio Lower Upper

105 100

120 45.2 38.1 57.1



#64

1,3-Dichlorobenzene

Concen: 46.849 ug/L

RT: 11.739 min Scan# 3312

Delta R.T. 0.000 min

Lab File: VU052997.D

Acq: 08 Feb 2023 12:48

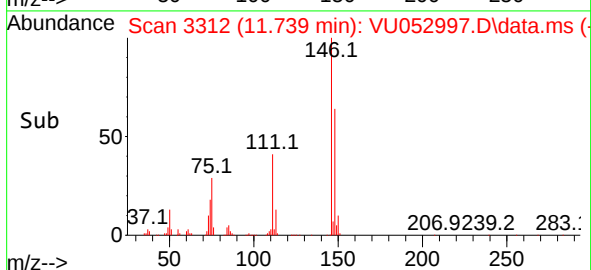
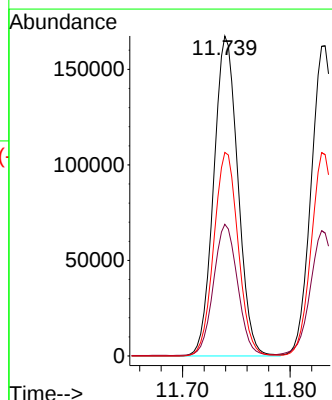
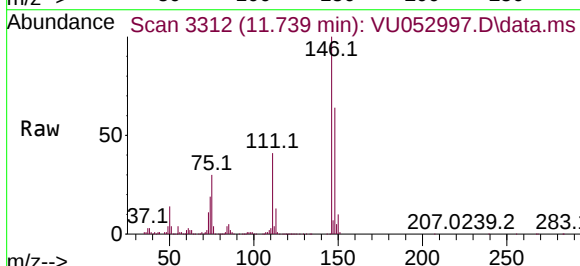
Tgt Ion:146 Resp: 262148

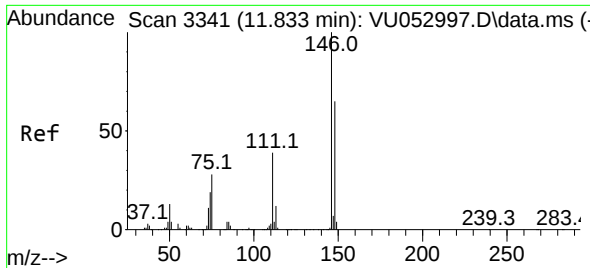
Ion Ratio Lower Upper

146 100

111 41.1 27.8 51.6

148 63.6 45.5 84.5

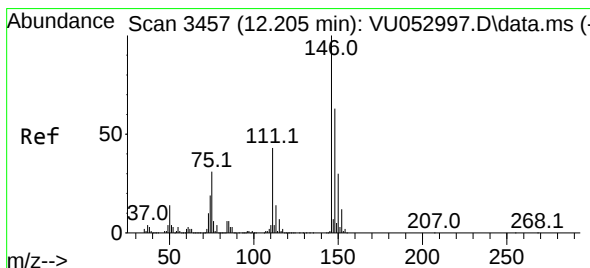
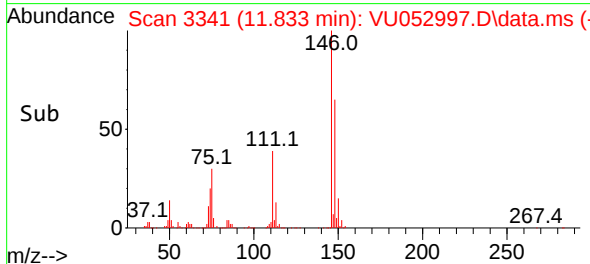
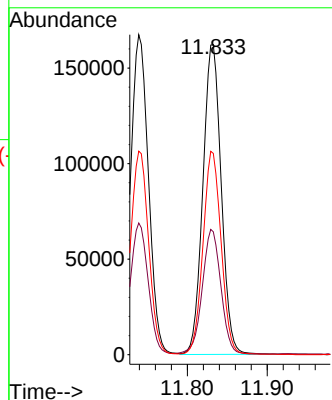
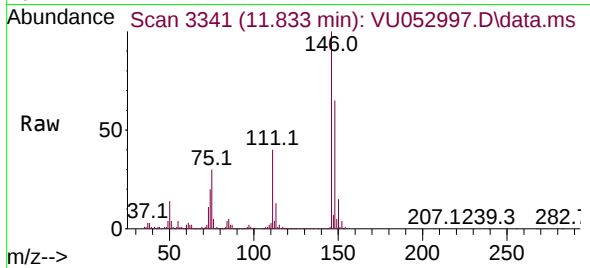




#65
 1,4-Dichlorobenzene
 Concen: 44.965 ug/L
 RT: 11.833 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VU052997.D
 Acq: 08 Feb 2023 12:48

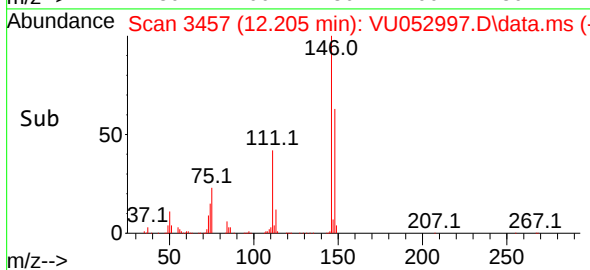
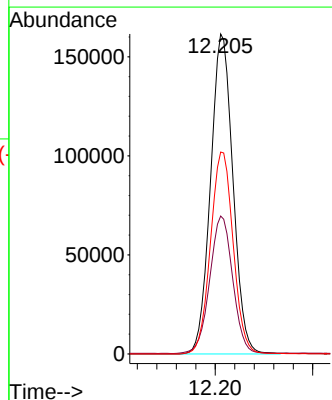
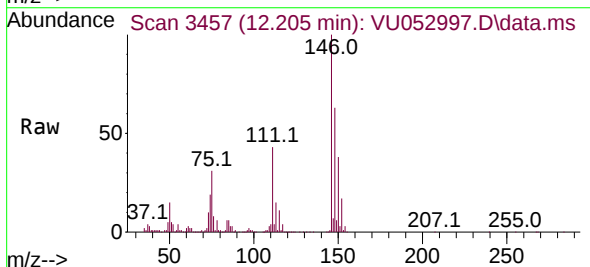
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050075

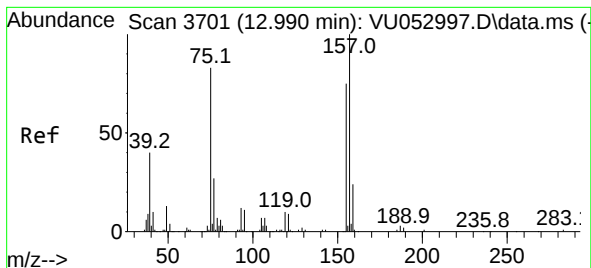
Tgt Ion:146 Resp: 259163
 Ion Ratio Lower Upper
 146 100
 111 39.6 26.7 49.7
 148 64.9 45.6 84.6



#67
 1,2-Dichlorobenzene
 Concen: 45.829 ug/L
 RT: 12.205 min Scan# 3457
 Delta R.T. 0.000 min
 Lab File: VU052997.D
 Acq: 08 Feb 2023 12:48

Tgt Ion:146 Resp: 257307
 Ion Ratio Lower Upper
 146 100
 111 43.1 33.2 49.8
 148 63.1 50.2 75.4

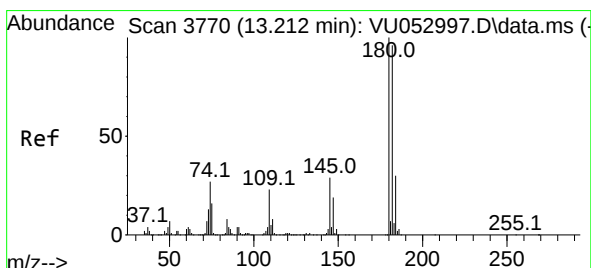
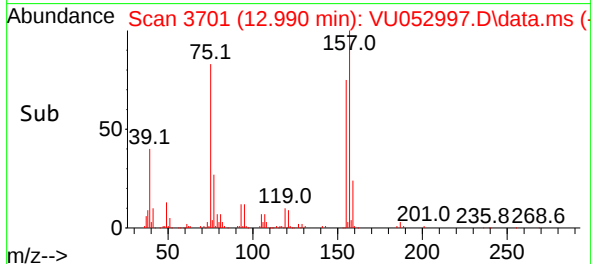
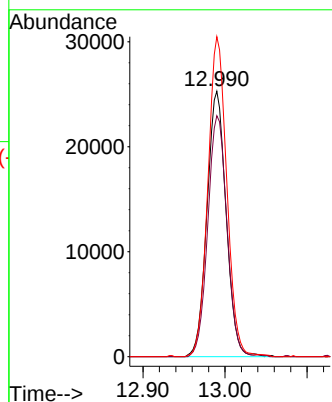
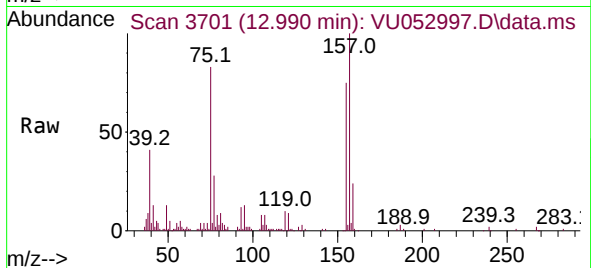




#68
1,2-Dibromo-3-chloropropane
Concen: 43.706 ug/L
RT: 12.990 min Scan# 3701
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

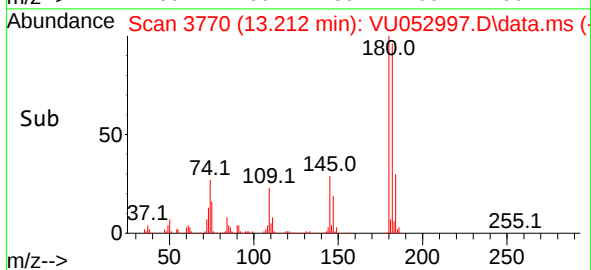
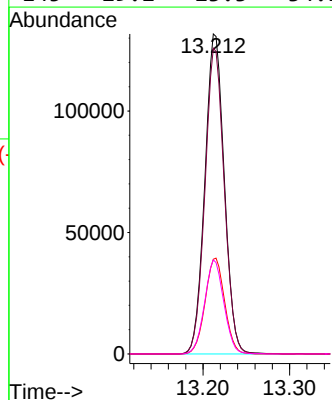
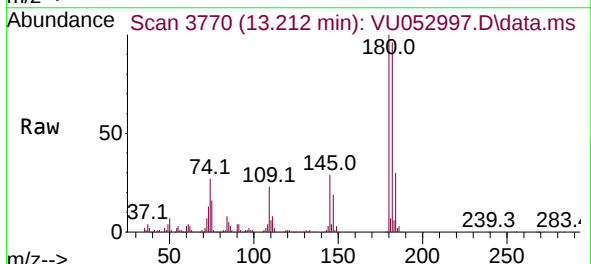
Instrument :
MSVOA_U
ClientSampleId :
VSTD050075

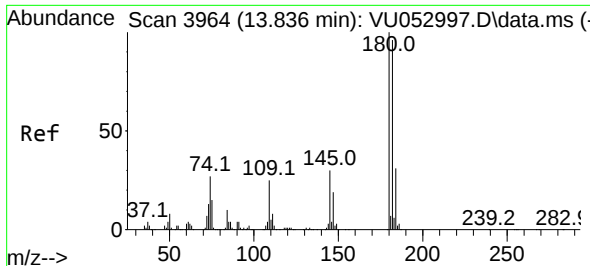
Tgt Ion: 75 Resp: 41075
Ion Ratio Lower Upper
75 100
155 90.8 69.2 103.8
157 120.5 91.2 136.8



#69
1,3,5-Trichlorobenzene
Concen: 48.706 ug/L
RT: 13.212 min Scan# 3770
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion:180 Resp: 204653
Ion Ratio Lower Upper
180 100
182 95.1 77.0 115.6
184 30.1 24.4 36.6
145 29.2 23.3 34.9

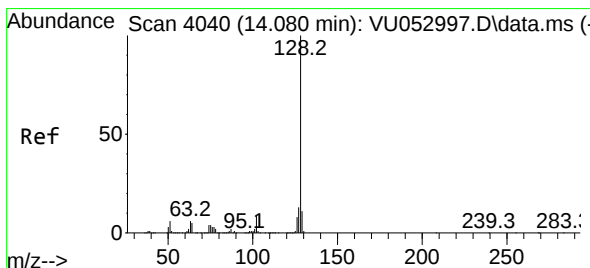
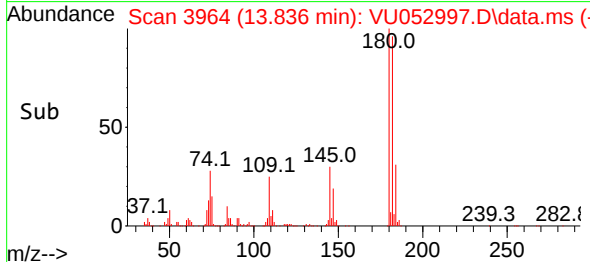
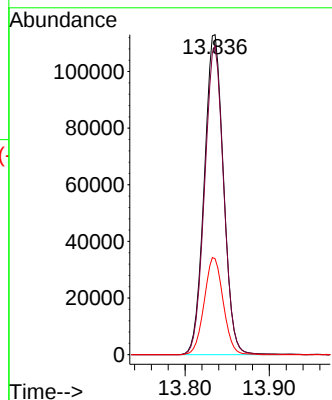
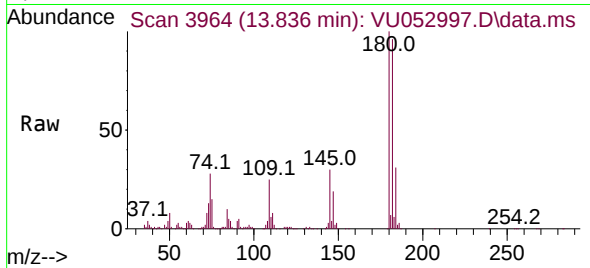




#70
1,2,4-trichlorobenzene
Concen: 50.224 ug/L
RT: 13.836 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

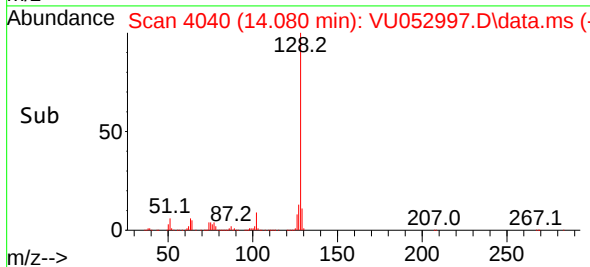
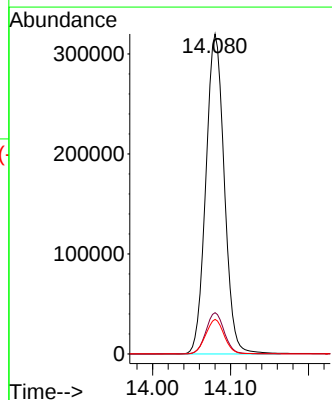
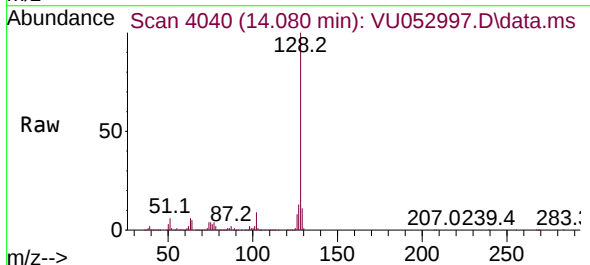
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MSVOA_U
ClientSampleId :
VSTD050075

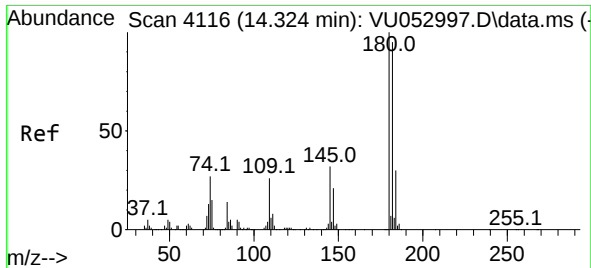
Tgt Ion:180 Resp: 179452
Ion Ratio Lower Upper
180 100
182 95.4 78.2 117.2
145 30.1 23.4 35.2



#71
Naphthalene
Concen: 51.480 ug/L
RT: 14.080 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU052997.D
Acq: 08 Feb 2023 12:48

Tgt Ion:128 Resp: 525772
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.9 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 48.144 ug/L
 RT: 14.324 min Scan# 4116
 Delta R.T. 0.000 min
 Lab File: VU052997.D
 Acq: 08 Feb 2023 12:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050075

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.5	116.3
145	32.1	24.2	36.4

