

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050622\
 Data File : VU048454.D
 Acq On : 06 May 2022 14:12
 Operator : SY/MD
 Sample : VSTD05064
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050064

Quant Time: May 06 23:20:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 06 23:19:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	403634	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	388562	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	204813	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	172575	47.202	ug/L	0.00
7) Chloroethane-d5	1.900	69	125539	49.519	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	307631	51.583	ug/L	0.00
21) 2-Butanone-d5	4.620	46	296932	95.863	ug/L	0.00
24) Chloroform-d	5.063	84	304449	46.281	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	198636	49.923	ug/L	0.00
32) Benzene-d6	5.726	84	604842	49.908	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	200314	49.828	ug/L	0.00
41) Toluene-d8	7.899	98	540682	49.525	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	91050	51.204	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	195028	93.975	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	302583	44.360	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	199370	44.507	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	175859	56.717	ug/L	100
3) Chloromethane	1.520	50	195940	54.966	ug/L	100
5) Vinyl chloride	1.604	62	189471	53.564	ug/L	100
6) Bromomethane	1.839	94	100833	58.585	ug/L	100
8) Chloroethane	1.922	64	104782	53.361	ug/L	100
9) Trichlorofluoromethane	2.134	101	252138	54.929	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	143739	48.212	ug/L	100
12) 1,1-Dichloroethene	2.578	96	138546	52.378	ug/L	100
13) Acetone	2.626	43	192529	95.586	ug/L	100
14) Carbon disulfide	2.793	76	422180	62.281	ug/L	100
15) Methyl Acetate	2.948	43	220812	54.480	ug/L	100
16) Methylene chloride	3.047	84	167521	49.865	ug/L	100
17) trans-1,2-Dichloroethene	3.353	96	148794	53.854	ug/L	100
18) Methyl tert-butyl Ether	3.363	73	496940	54.683	ug/L	100
19) 1,1-Dichloroethane	3.867	63	301300	52.437	ug/L	100
20) cis-1,2-Dichloroethene	4.668	96	163890	50.376	ug/L	100
22) 2-Butanone	4.700	43	314386	105.592	ug/L	100
23) Bromochloromethane	4.977	128	84839	47.264	ug/L	100
25) Chloroform	5.089	83	298613	51.306	ug/L	100
27) 1,2-Dichloroethane	5.793	62	244569	56.119	ug/L	100
29) Cyclohexane	5.388	56	271565	68.986	ug/L	100
30) 1,1,1-Trichloroethane	5.317	97	265150	58.800	ug/L	100
31) Carbon tetrachloride	5.526	117	226522	58.898	ug/L	100
33) Benzene	5.774	78	655253	56.500	ug/L	100
34) Trichloroethene	6.542	95	156873	55.079	ug/L	100
35) Methylcyclohexane	6.764	83	263449	63.809	ug/L	100
37) 1,2-Dichloropropane	6.790	63	183806	55.802	ug/L	100
38) Bromodichloromethane	7.105	83	222198	53.695	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	264070	56.604	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	586766	118.587	ug/L	100
42) Toluene	7.970	91	681260	56.335	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	252904	55.958	ug/L	100

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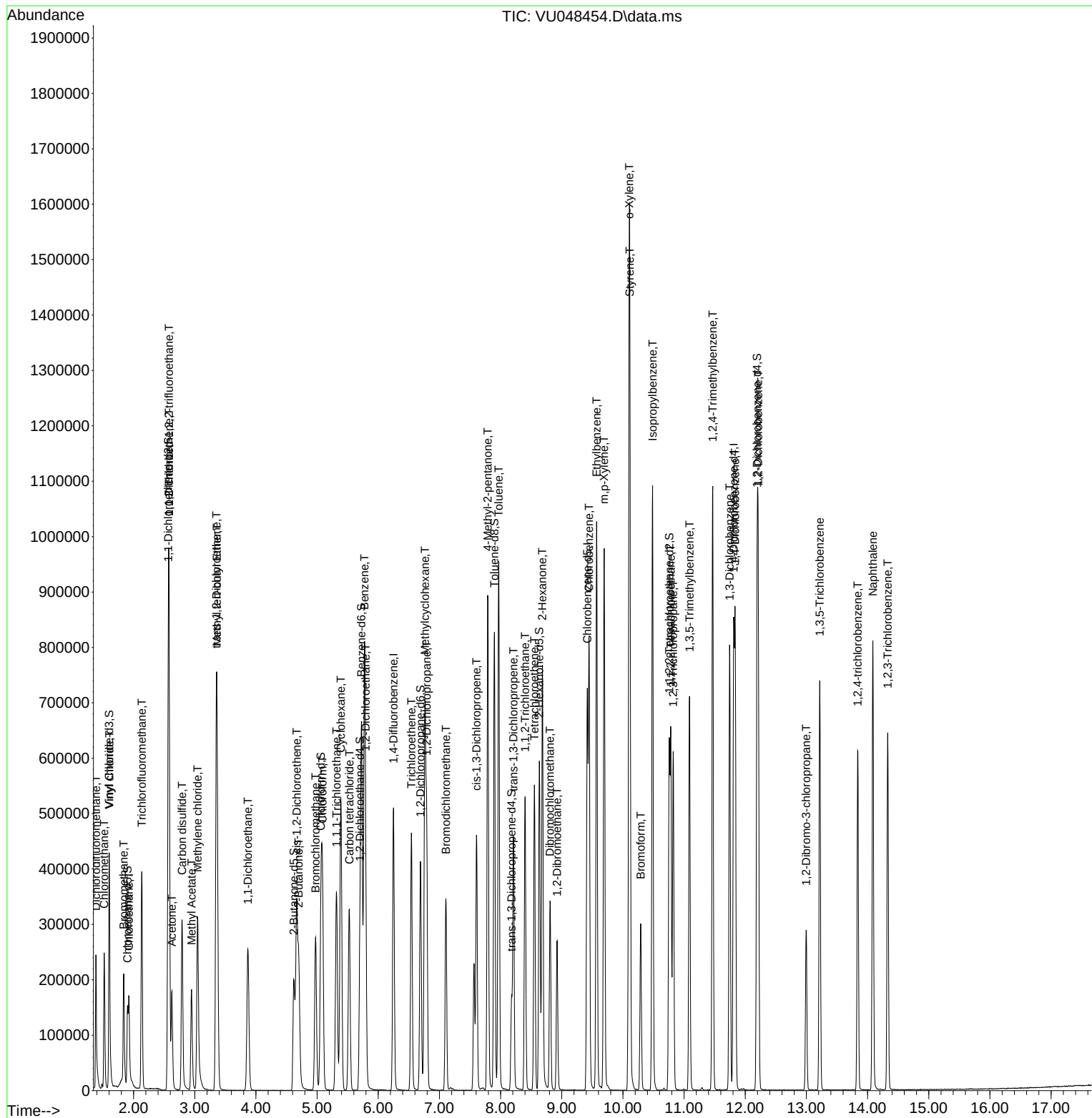
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	161628	48.531	ug/L	100
46) Tetrachloroethene	8.552	164	121214	50.966	ug/L	100
48) 2-Hexanone	8.684	43	478805	116.470	ug/L	100
49) Dibromochloromethane	8.809	129	174883	47.813	ug/L	100
50) 1,2-Dibromoethane	8.925	107	174417	50.806	ug/L	100
51) Chlorobenzene	9.446	112	416915	48.913	ug/L	100
52) Ethylbenzene	9.571	91	713266	56.797	ug/L	100
53) m,p-Xylene	9.693	106	276355	56.421	ug/L	100
54) o-Xylene	10.102	106	281989	57.232	ug/L	100
55) Styrene	10.115	104	461354	55.804	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	311420	47.726	ug/L	100
59) Bromoform	10.292	173	134313	46.493	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	253658	52.915	ug/L	100
61) Isopropylbenzene	10.484	105	697244	59.758	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	383169	61.847	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	592028	62.823	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	321123	50.987	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	319050	49.401	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	330591	49.673	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	73628	56.637	ug/L	100
69) 1,3,5-Trichlorobenzene	13.217	180	227294	48.958	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	184714	50.031	ug/L	100
71) Naphthalene	14.086	128	628013	57.728	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	194913	51.464	ug/L	100

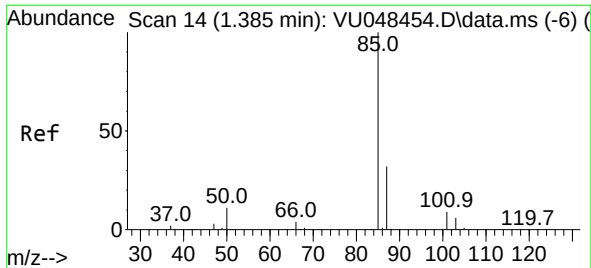
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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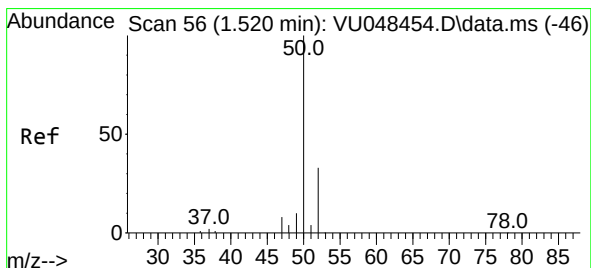
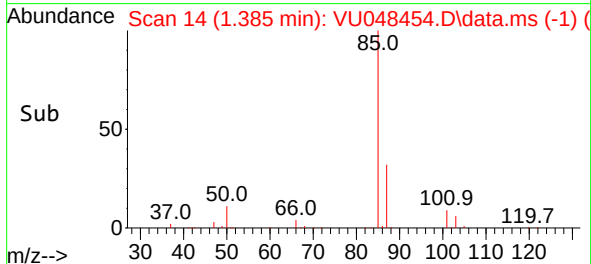
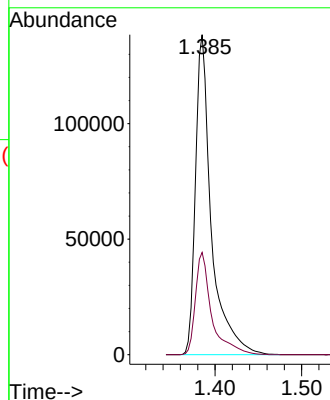
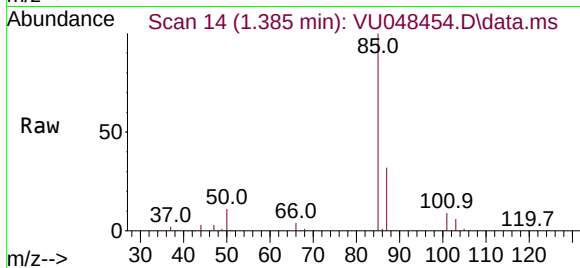




#2
 Dichlorodifluoromethane
 Concen: 56.717 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU048454.D
 Acq: 06 May 2022 14:12

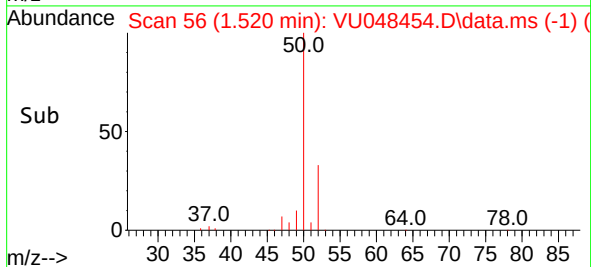
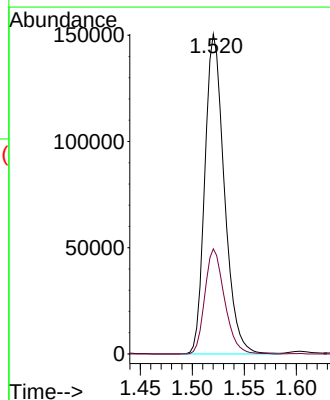
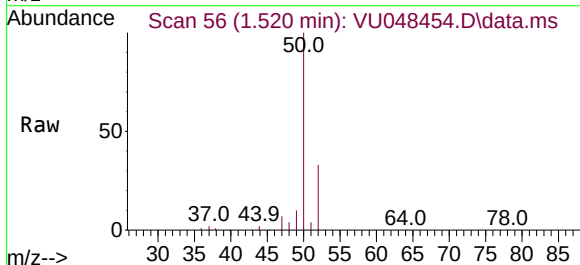
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050064

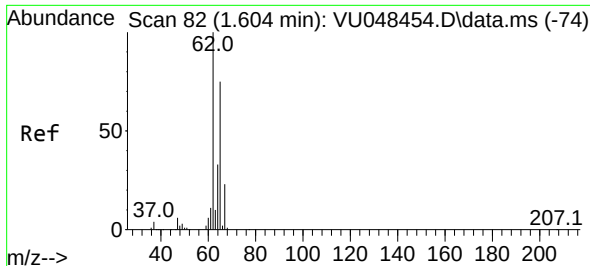
Tgt Ion: 85 Resp: 175859
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.2 39.4



#3
 Chloromethane
 Concen: 54.966 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU048454.D
 Acq: 06 May 2022 14:12

Tgt Ion: 50 Resp: 195940
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.0 42.8

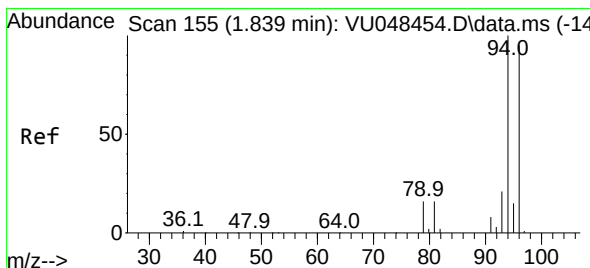
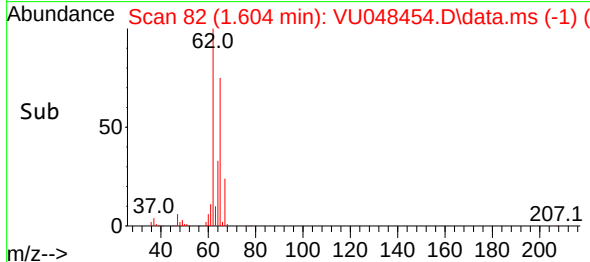
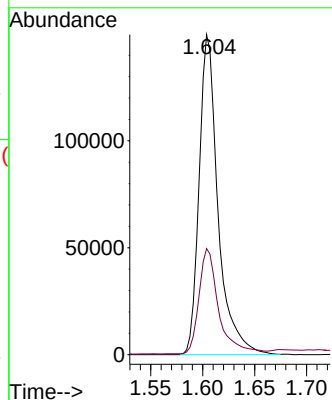
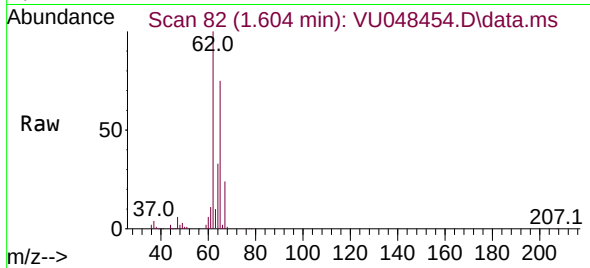




#5
 Vinyl chloride
 Concen: 53.564 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048454.D
 Acq: 06 May 2022 14:12

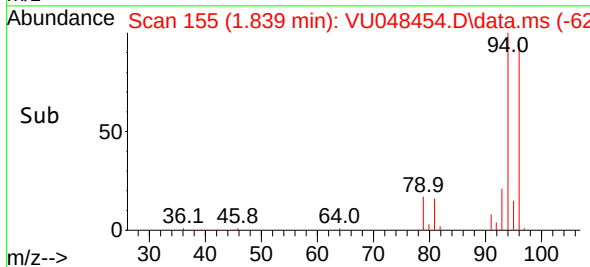
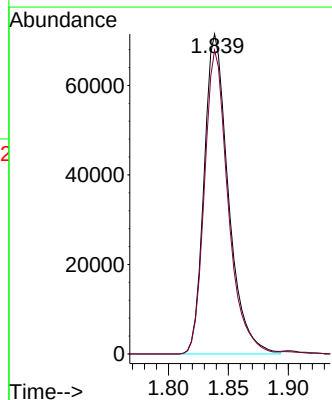
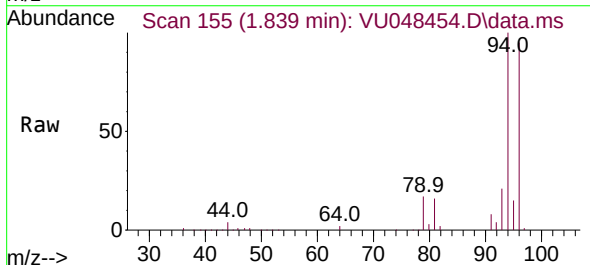
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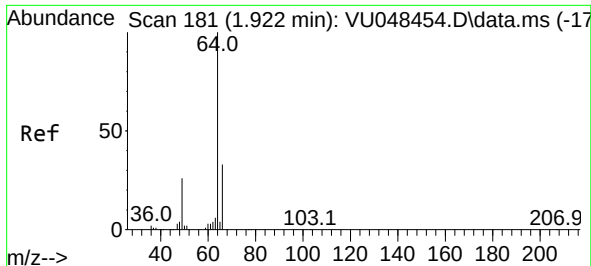
Tgt Ion: 62 Resp: 189471
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.0



#6
 Bromomethane
 Concen: 58.585 ug/L
 RT: 1.839 min Scan# 155
 Delta R.T. 0.000 min
 Lab File: VU048454.D
 Acq: 06 May 2022 14:12

Tgt Ion: 94 Resp: 100833
 Ion Ratio Lower Upper
 94 100
 96 95.0 66.5 123.5

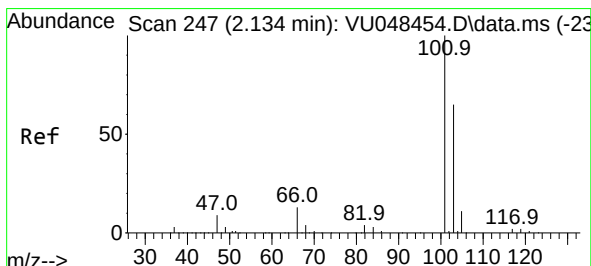
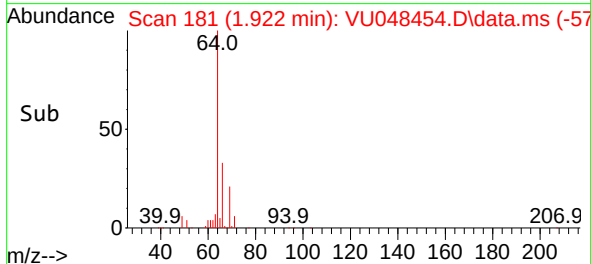
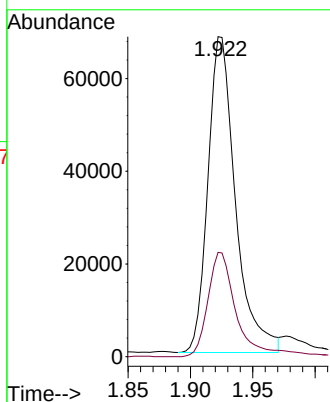
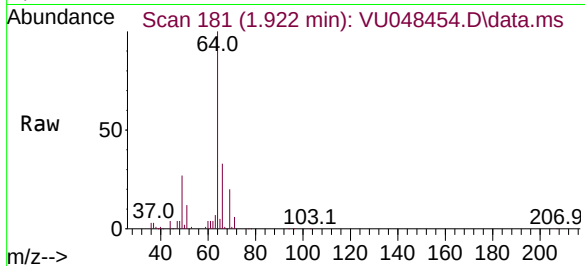




#8
Chloroethane
Concen: 53.361 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

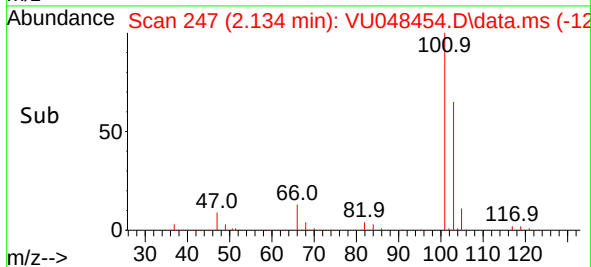
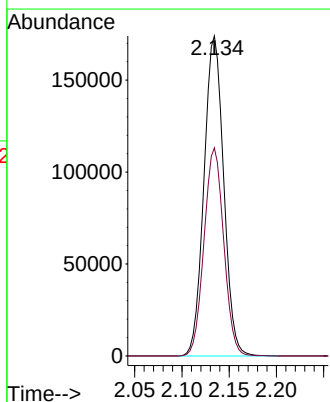
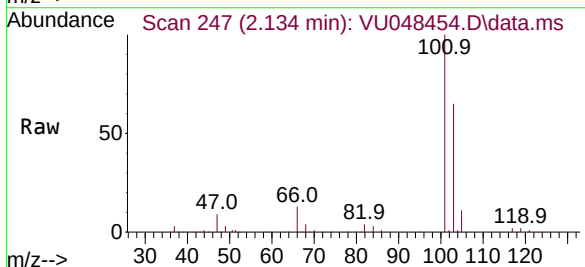
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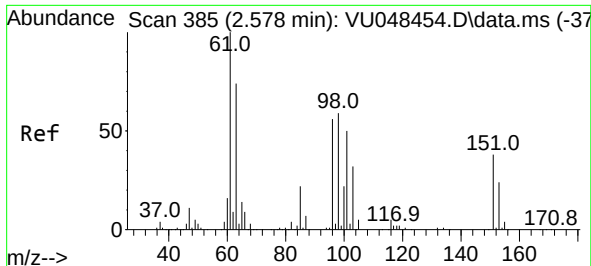
Tgt Ion: 64 Resp: 104782
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 54.929 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion:101 Resp: 252138
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 48.212 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD050064

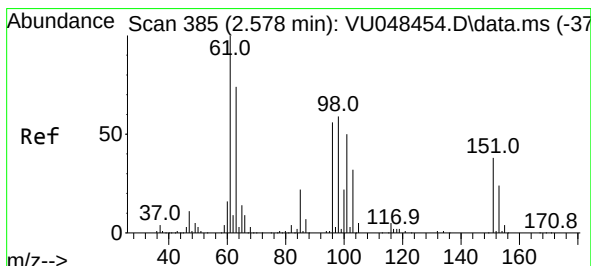
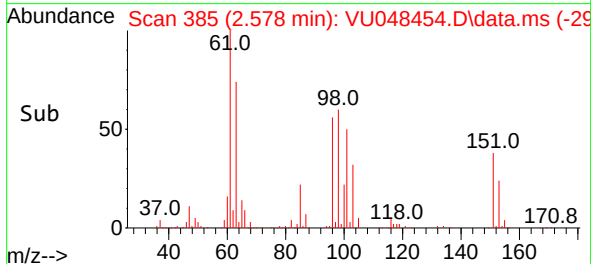
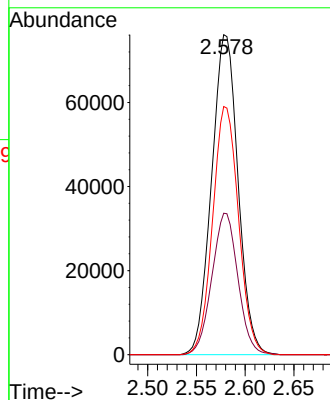
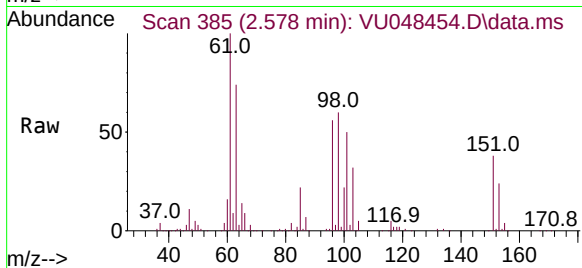
Tgt Ion:101 Resp: 143739

Ion Ratio Lower Upper

101 100

85 43.5 34.8 52.2

151 75.9 60.7 91.1



#12

1,1-Dichloroethene

Concen: 52.378 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

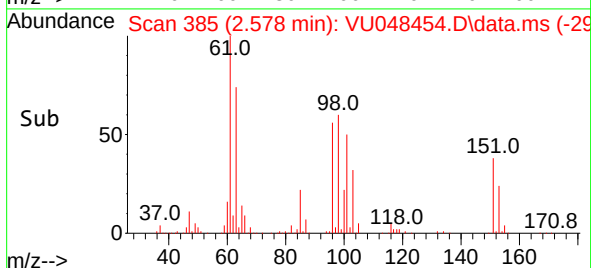
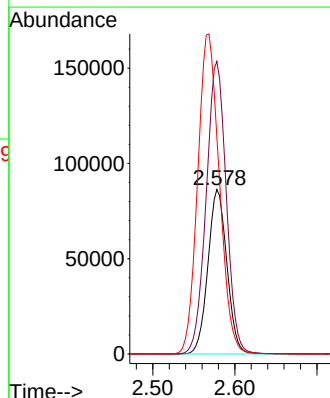
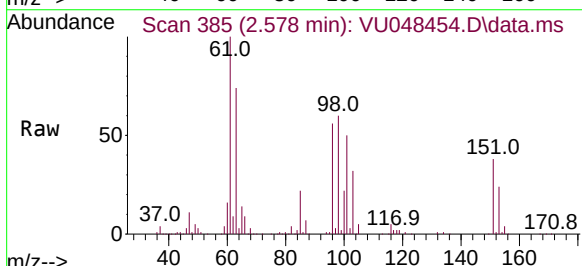
Tgt Ion: 96 Resp: 138546

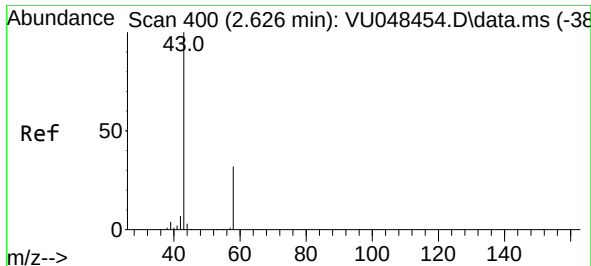
Ion Ratio Lower Upper

96 100

61 177.9 124.5 231.3

63 132.2 92.5 171.9





#13

Acetone

Concen: 95.586 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

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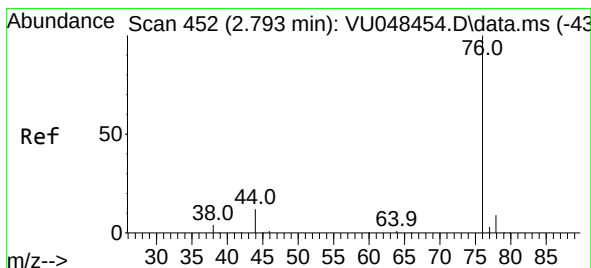
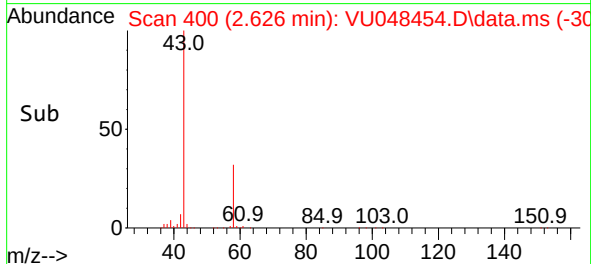
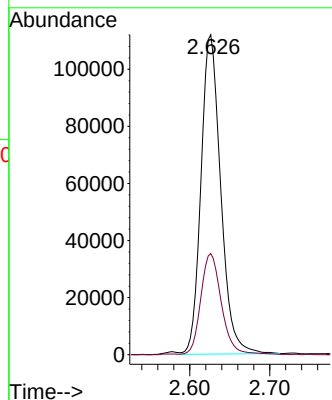
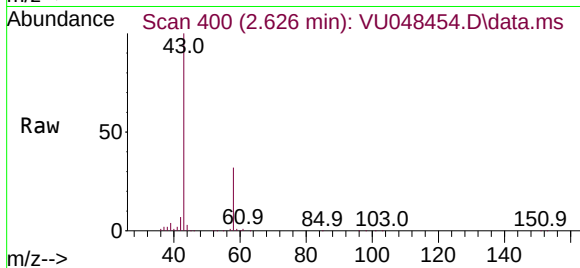
VSTD050064

Tgt Ion: 43 Resp: 192529

Ion Ratio Lower Upper

43 100

58 33.1 0.0 66.2



#14

Carbon disulfide

Concen: 62.281 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU048454.D

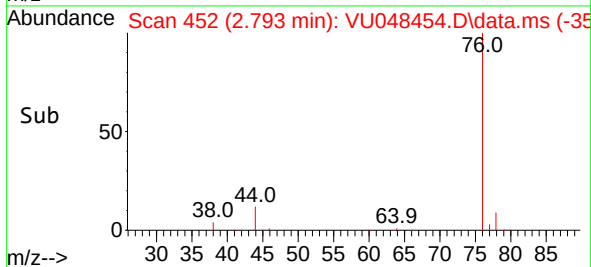
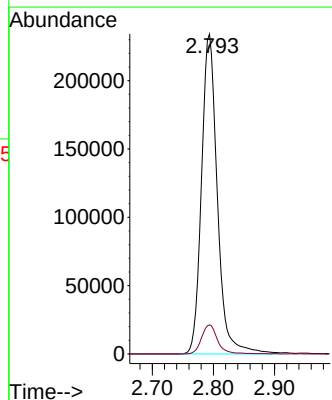
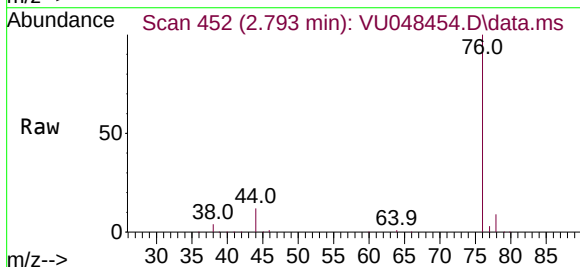
Acq: 06 May 2022 14:12

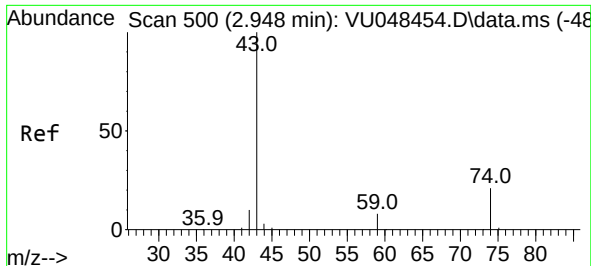
Tgt Ion: 76 Resp: 422180

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

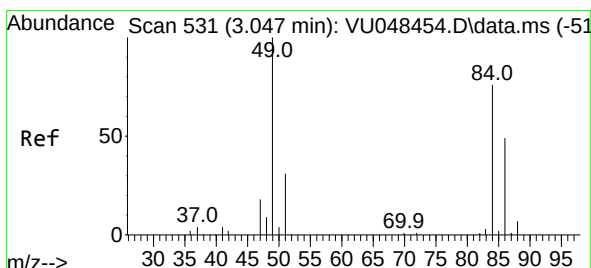
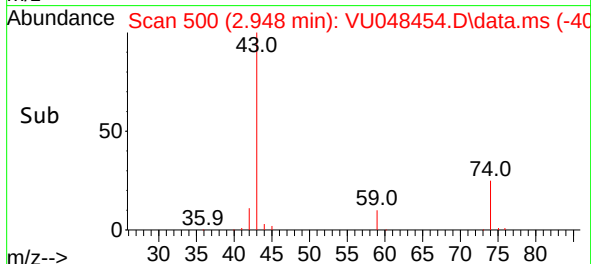
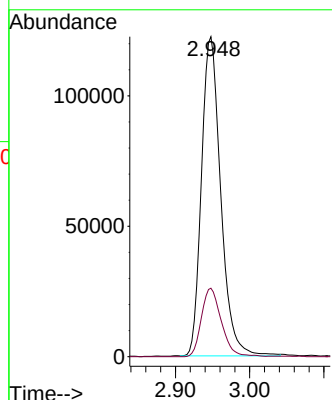
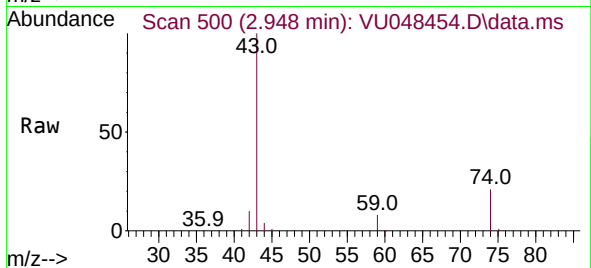




#15
Methyl Acetate
Concen: 54.480 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

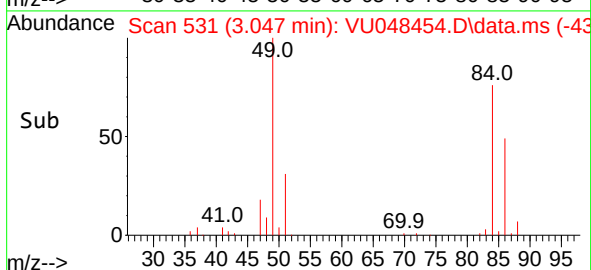
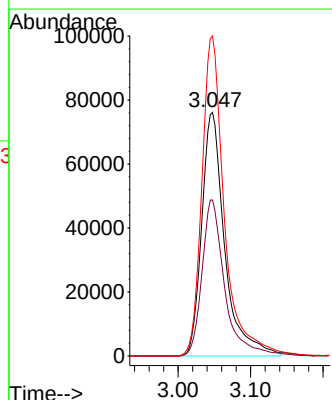
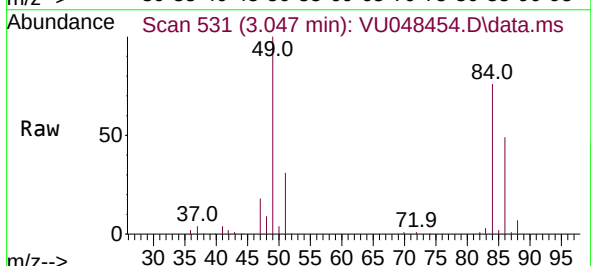
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

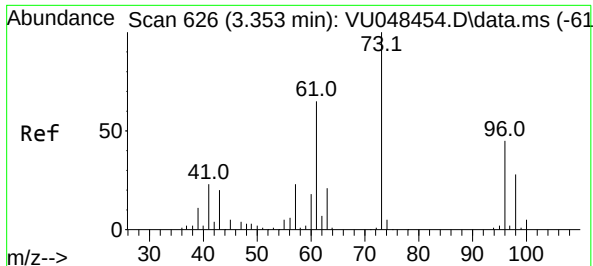
Tgt Ion: 43 Resp: 220812
Ion Ratio Lower Upper
43 100
74 22.0 17.6 26.4



#16
Methylene chloride
Concen: 49.865 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion: 84 Resp: 167521
Ion Ratio Lower Upper
84 100
86 64.0 44.8 83.2
49 131.4 92.0 170.8

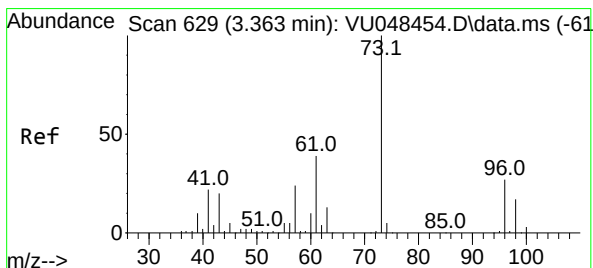
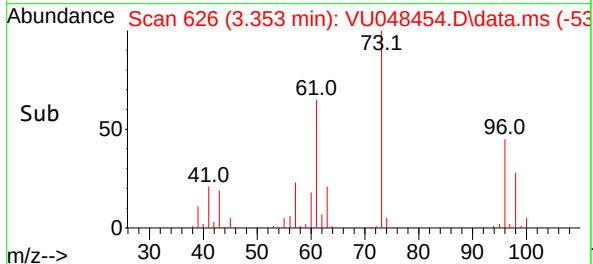
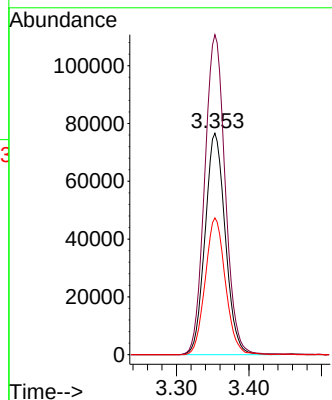
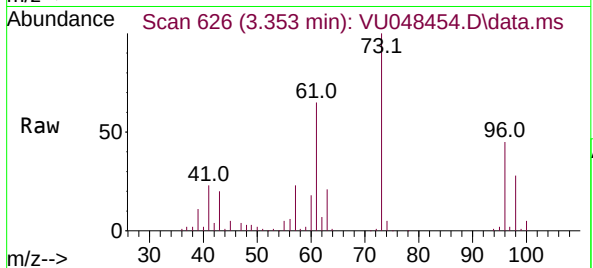




#17
trans-1,2-Dichloroethene
Concen: 53.854 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

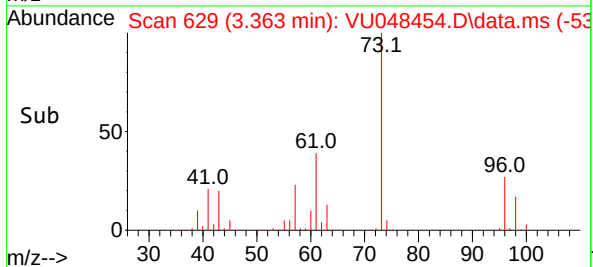
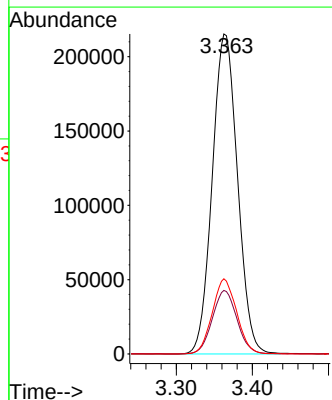
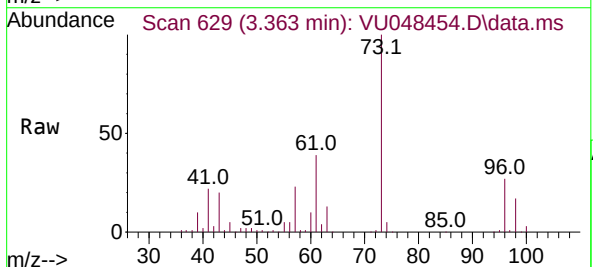
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

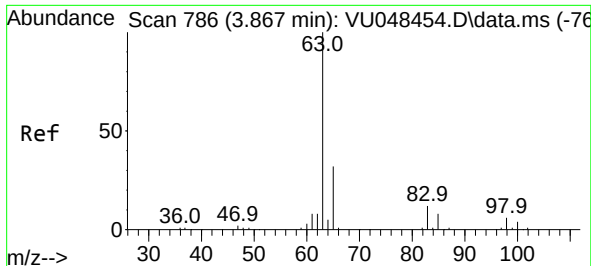
Tgt Ion: 96 Resp: 148794
Ion Ratio Lower Upper
96 100
61 144.5 101.2 187.8
98 61.8 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 54.683 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion: 73 Resp: 496940
Ion Ratio Lower Upper
73 100
43 19.5 15.6 23.4
57 22.6 18.1 27.1





#19

1,1-Dichloroethane

Concen: 52.437 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD050064

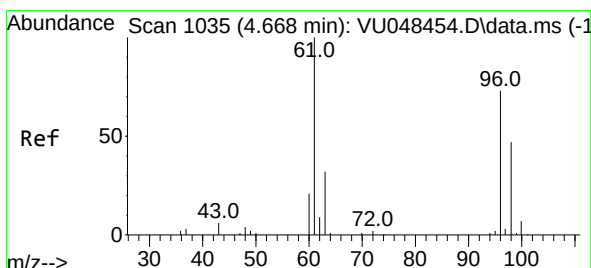
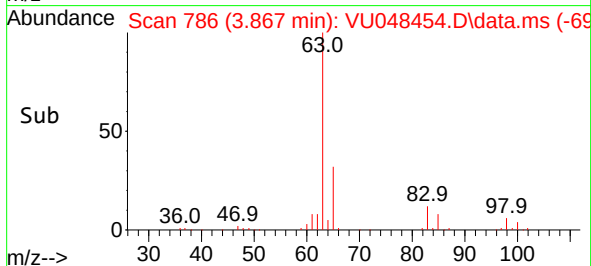
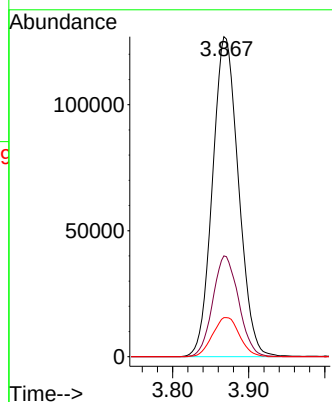
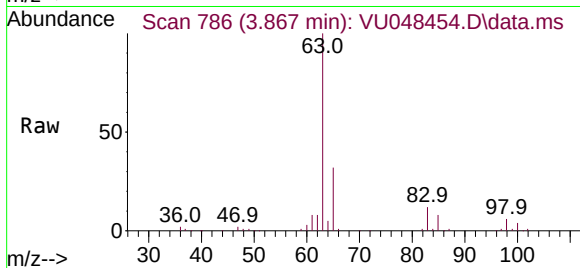
Tgt Ion: 63 Resp: 301300

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 12.2 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 50.376 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

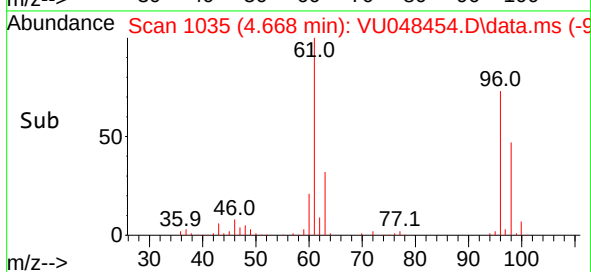
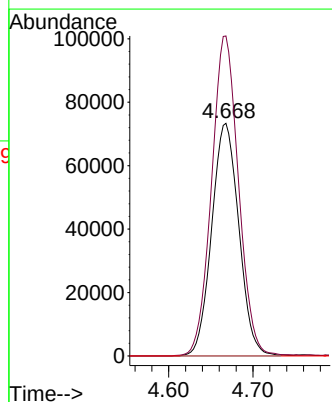
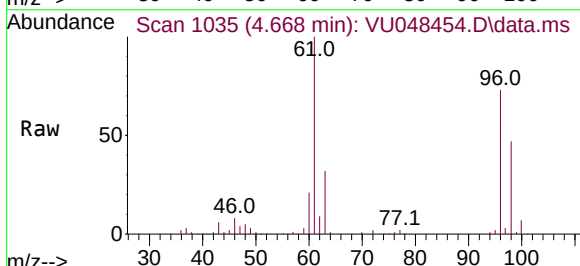
Tgt Ion: 96 Resp: 163890

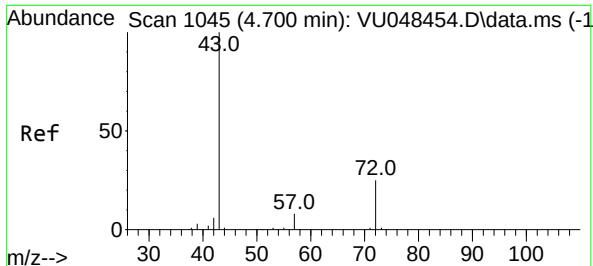
Ion Ratio Lower Upper

96 100

61 137.5 96.2 178.8

68 0.0 0.0 0.0

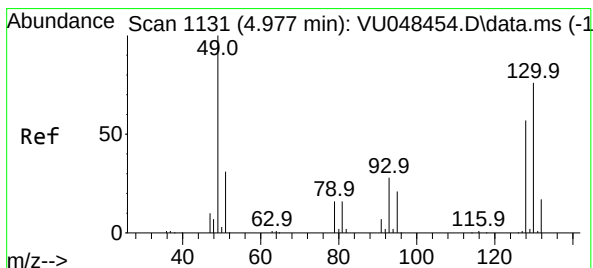
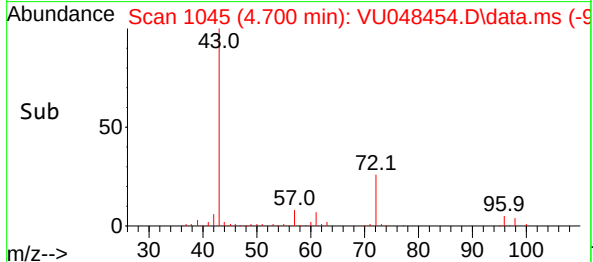
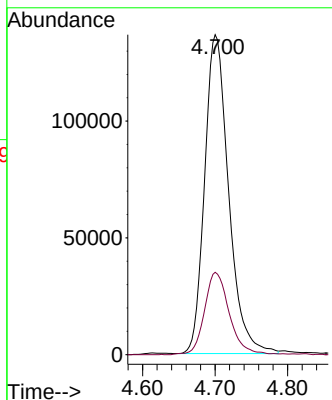
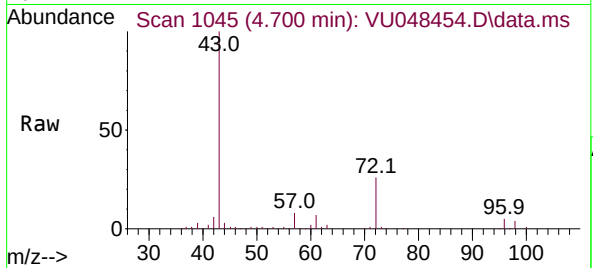




#22
2-Butanone
Concen: 105.592 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

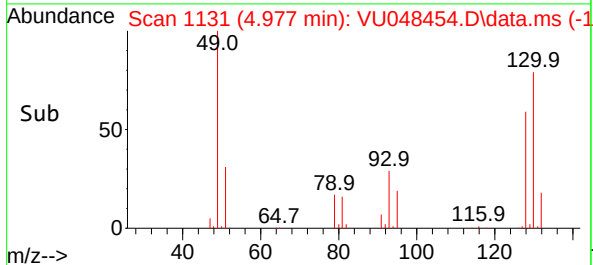
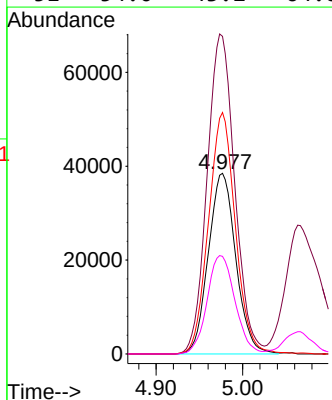
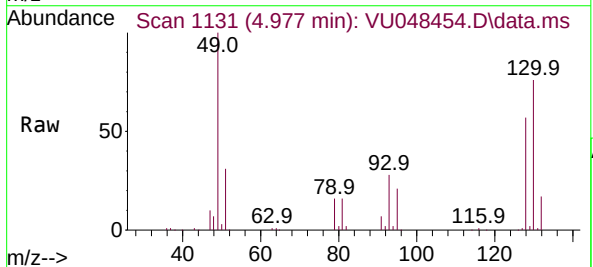
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

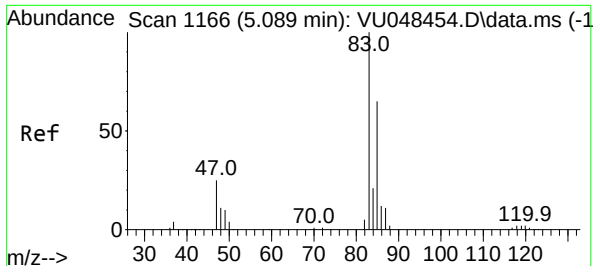
Tgt Ion: 43 Resp: 314386
Ion Ratio Lower Upper
43 100
72 26.6 13.3 39.9



#23
Bromochloromethane
Concen: 47.264 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion:128 Resp: 84839
Ion Ratio Lower Upper
128 100
49 175.9 123.1 228.7
130 133.7 93.6 173.8
51 54.0 43.2 64.8





#25

Chloroform

Concen: 51.306 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

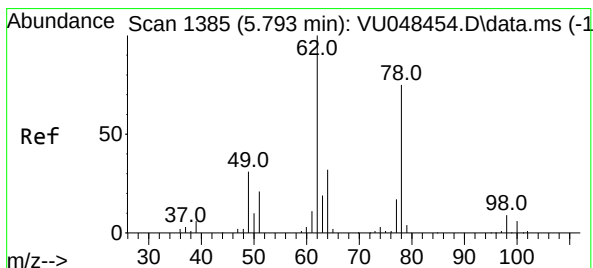
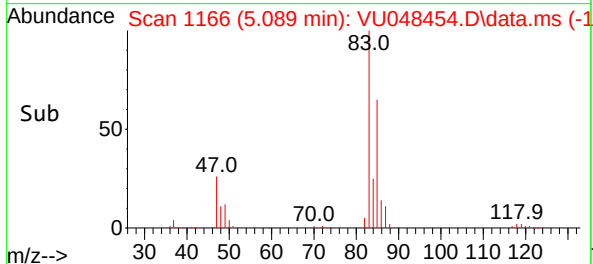
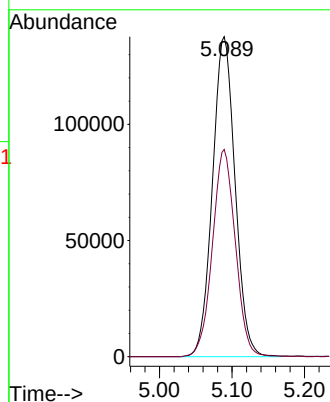
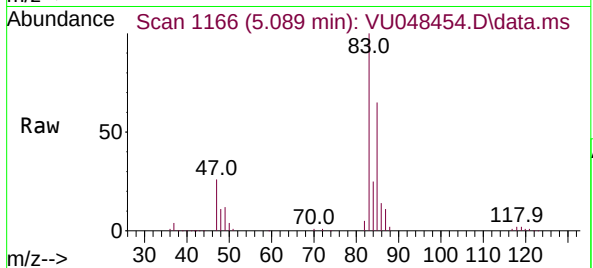
VSTD050064

Tgt Ion: 83 Resp: 298613

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2



#27

1,2-Dichloroethane

Concen: 56.119 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU048454.D

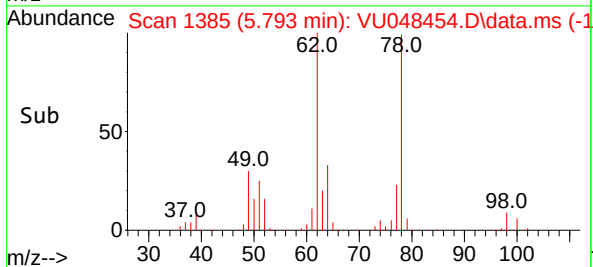
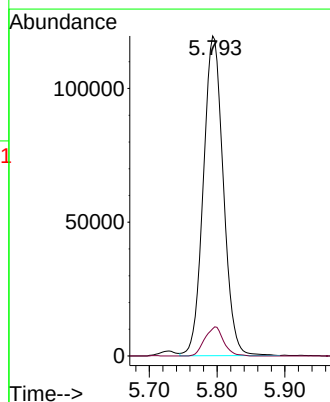
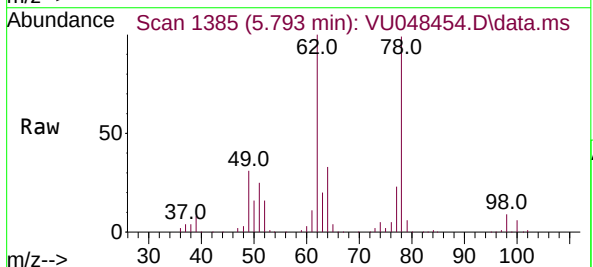
Acq: 06 May 2022 14:12

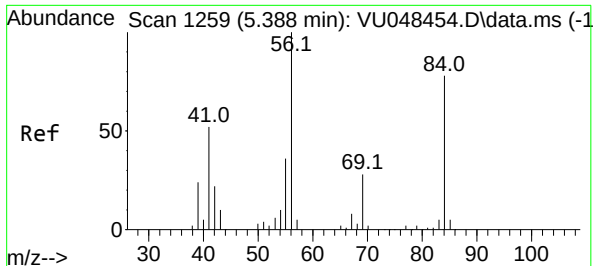
Tgt Ion: 62 Resp: 244569

Ion Ratio Lower Upper

62 100

98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 68.986 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD050064

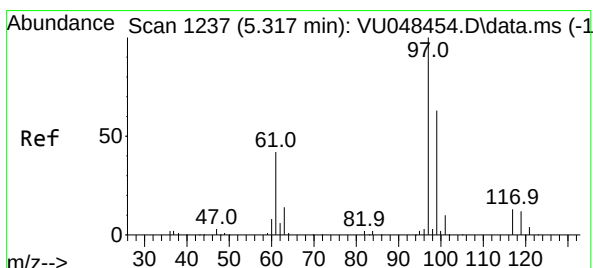
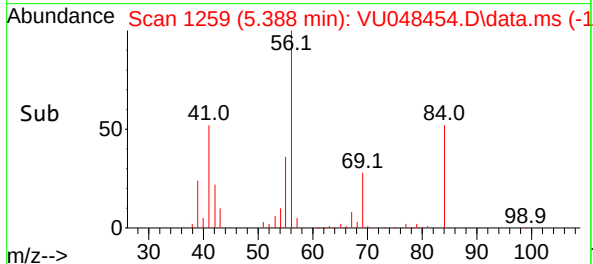
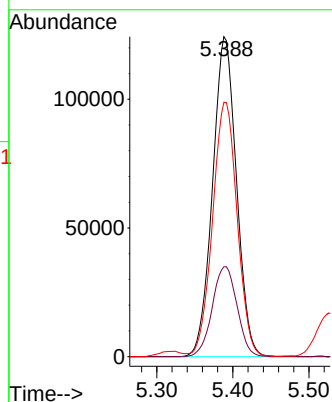
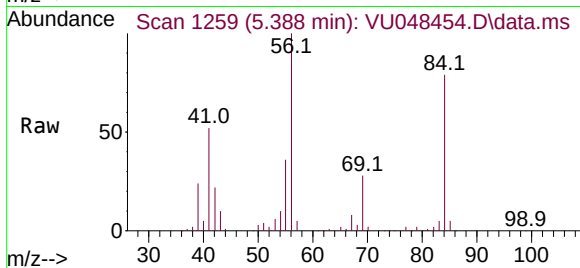
Tgt Ion: 56 Resp: 271565

Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.0

84 81.9 65.5 98.3



#30

1,1,1-Trichloroethane

Concen: 58.800 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

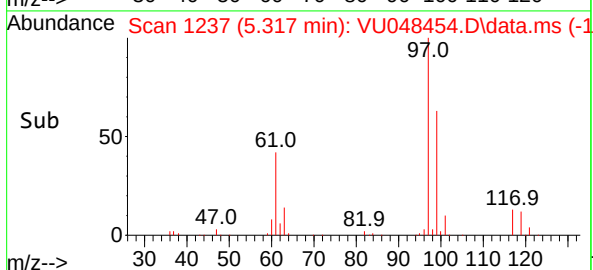
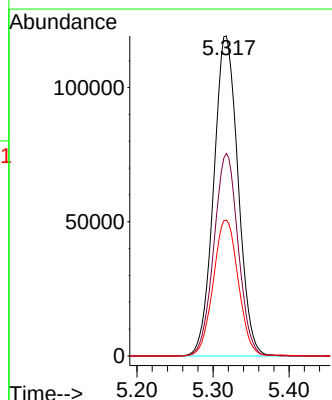
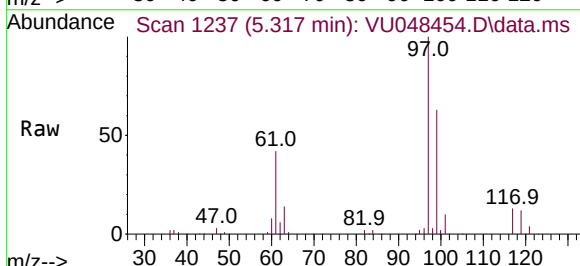
Tgt Ion: 97 Resp: 265150

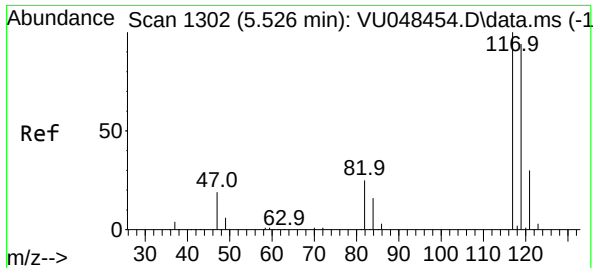
Ion Ratio Lower Upper

97 100

99 63.1 50.5 75.7

61 43.7 35.0 52.4

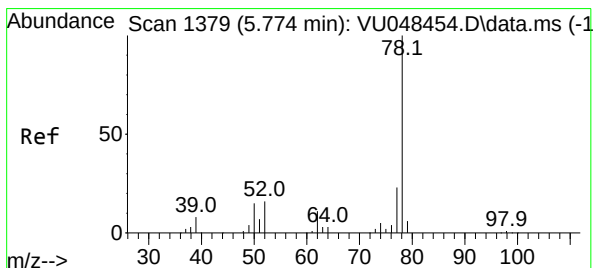
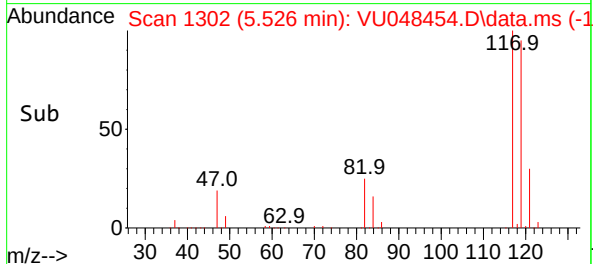
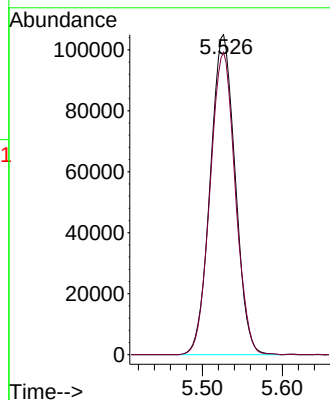
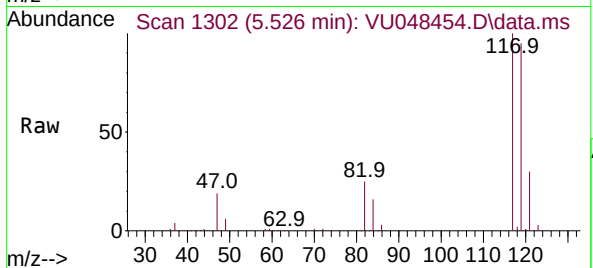




#31
Carbon tetrachloride
Concen: 58.898 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

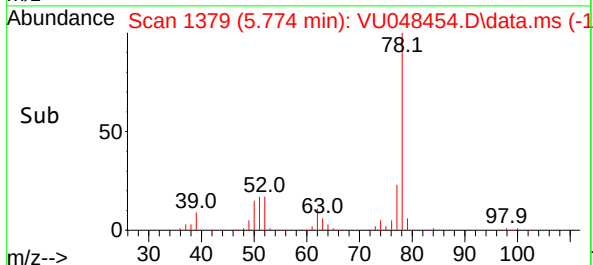
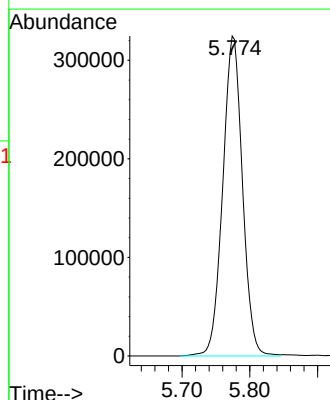
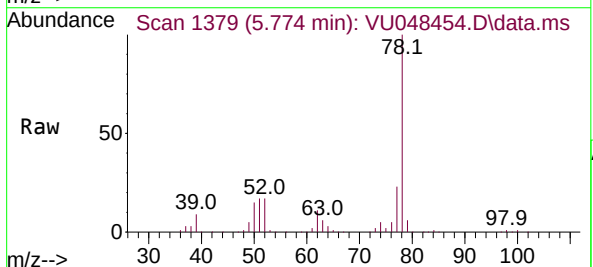
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

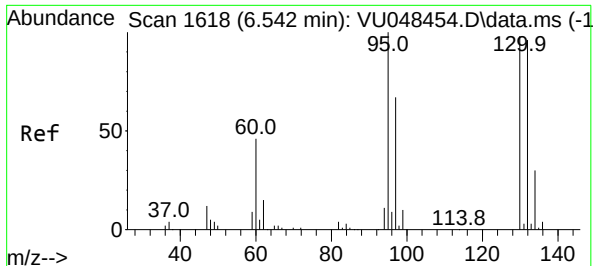
Tgt Ion:117 Resp: 226522
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7



#33
Benzene
Concen: 56.500 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion: 78 Resp: 655253

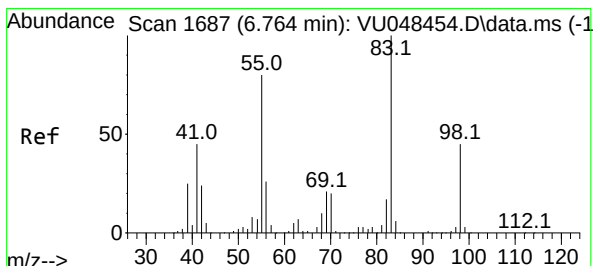
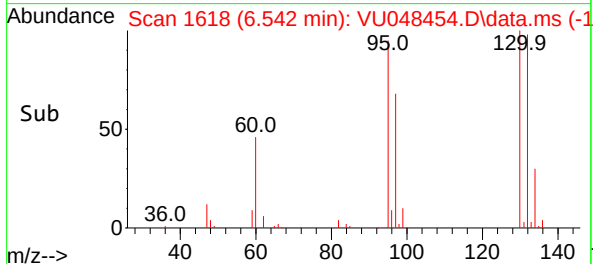
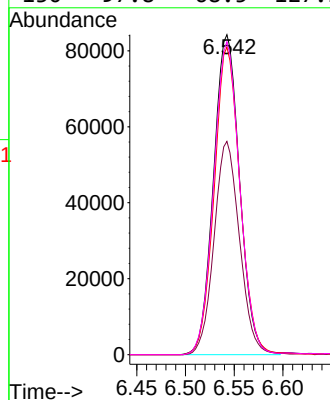
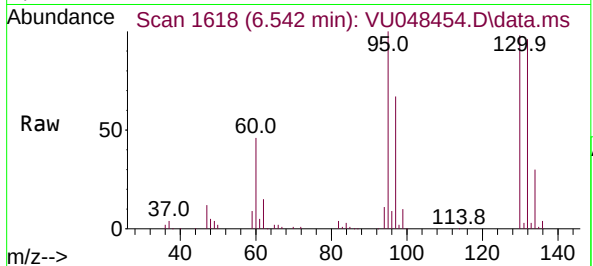




#34
Trichloroethene
Concen: 55.079 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

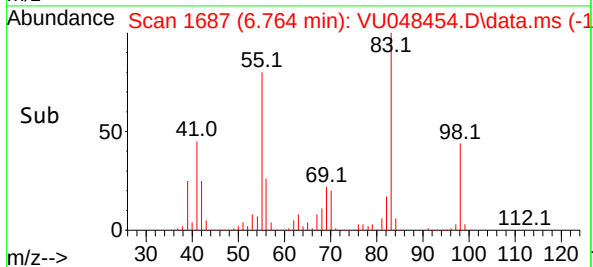
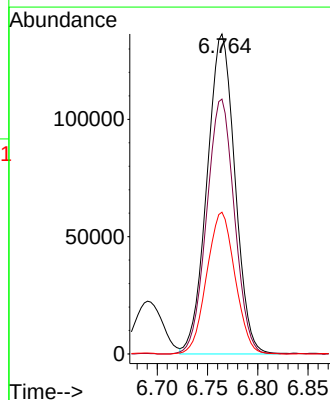
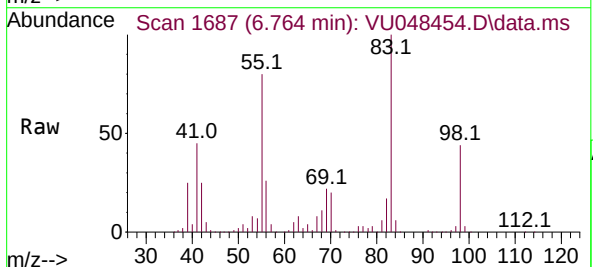
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

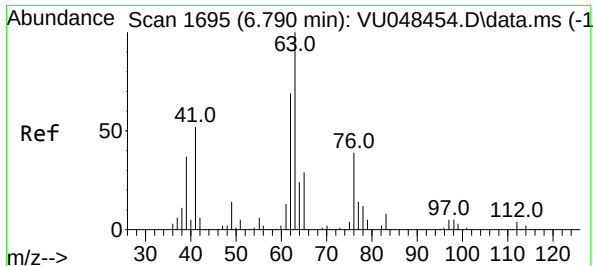
Tgt Ion: 95 Resp: 156873
Ion Ratio Lower Upper
95 100
97 66.6 46.6 86.6
132 96.1 67.3 124.9
130 97.8 68.5 127.1



#35
Methylcyclohexane
Concen: 63.809 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion: 83 Resp: 263449
Ion Ratio Lower Upper
83 100
55 79.3 63.4 95.2
98 44.9 35.9 53.9





#37

1,2-Dichloropropane

Concen: 55.802 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

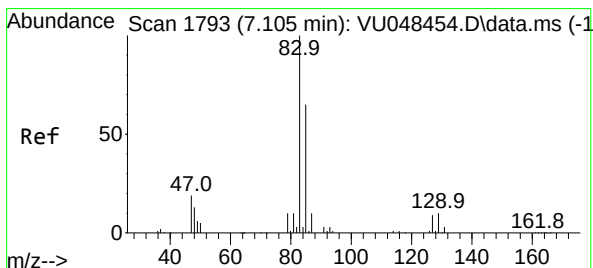
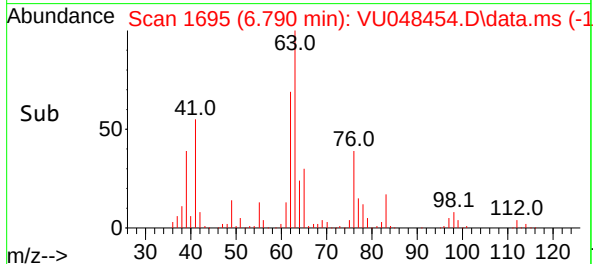
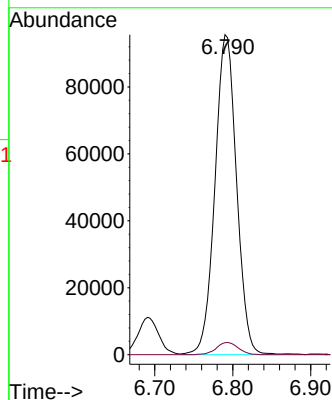
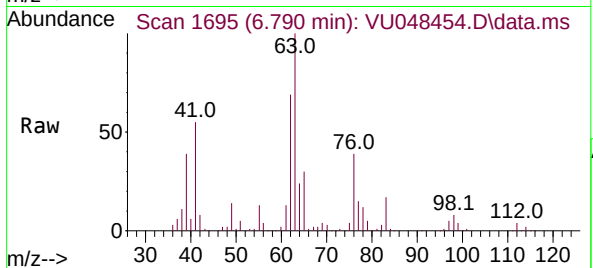
VSTD050064

Tgt Ion: 63 Resp: 183806

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#38

Bromodichloromethane

Concen: 53.695 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

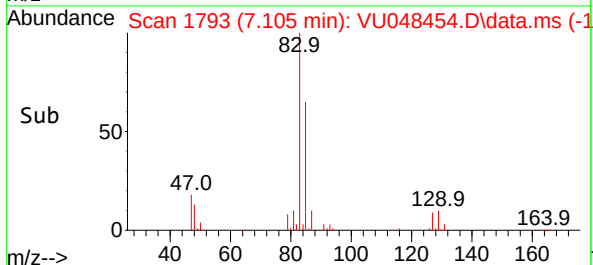
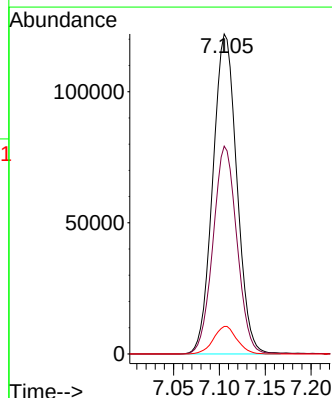
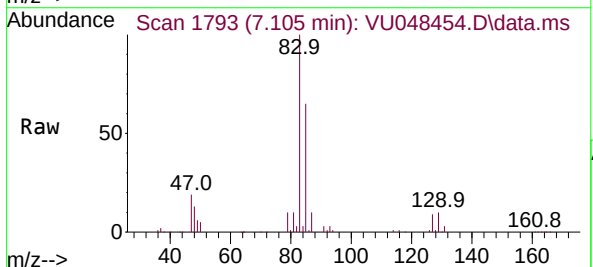
Tgt Ion: 83 Resp: 222198

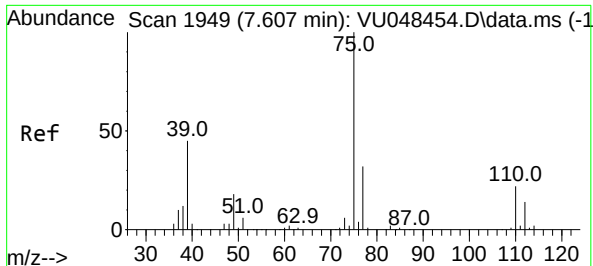
Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 56.604 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

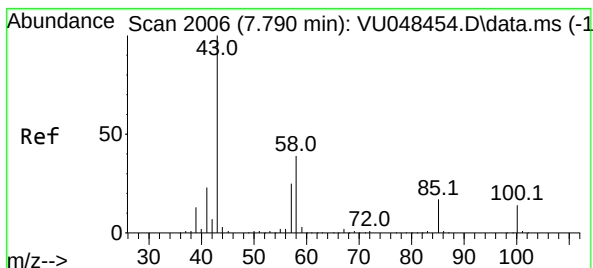
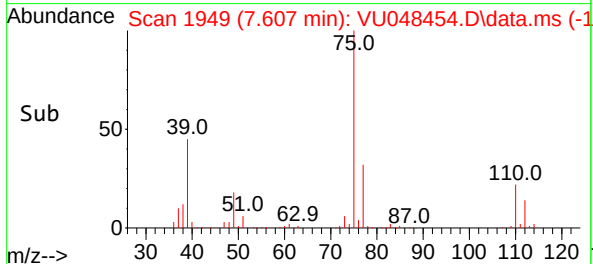
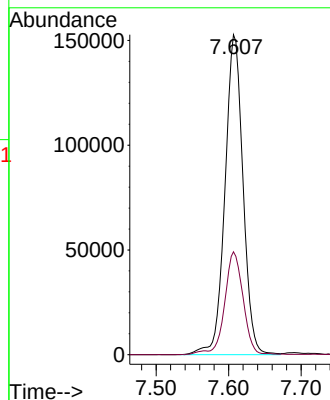
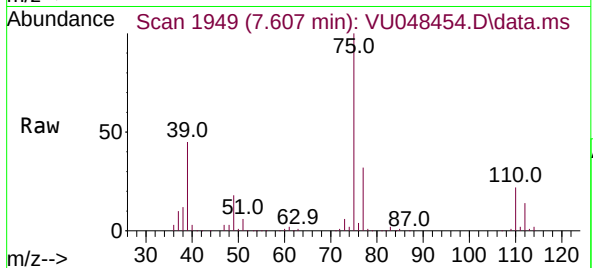
VSTD050064

Tgt Ion: 75 Resp: 264070

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 118.587 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

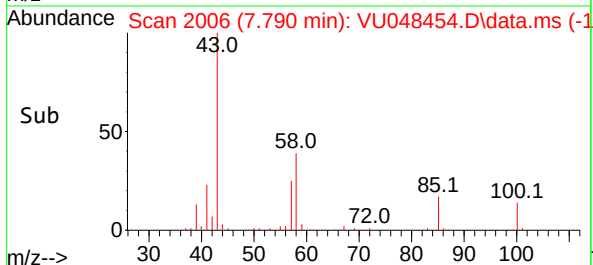
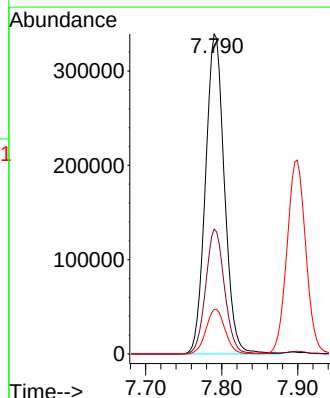
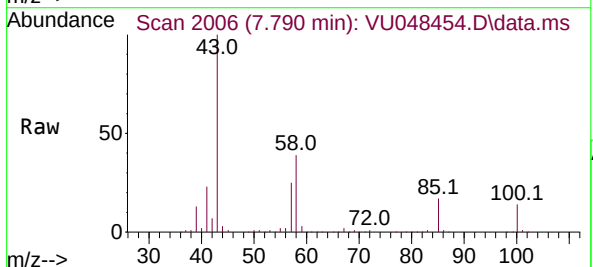
Tgt Ion: 43 Resp: 586766

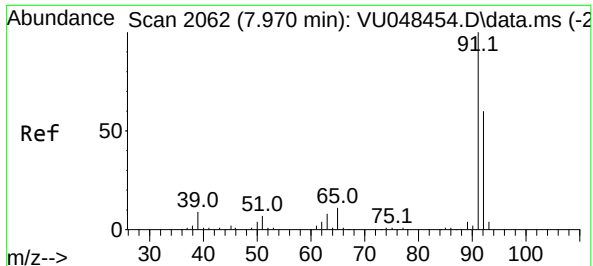
Ion Ratio Lower Upper

43 100

58 38.7 31.0 46.4

100 14.0 11.2 16.8





#42

Toluene

Concen: 56.335 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048454.D

Acq: 06 May 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

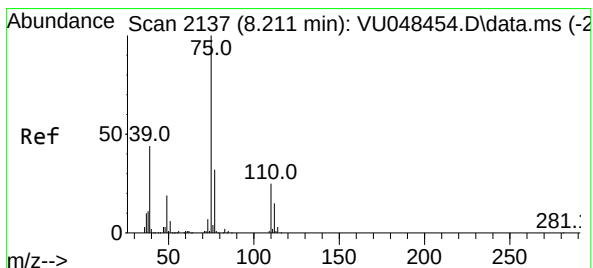
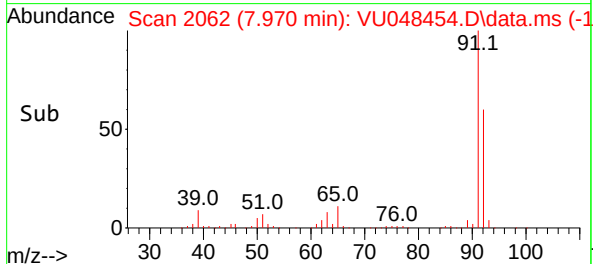
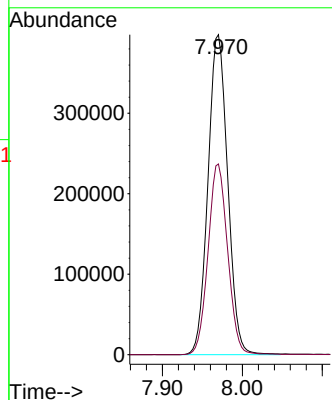
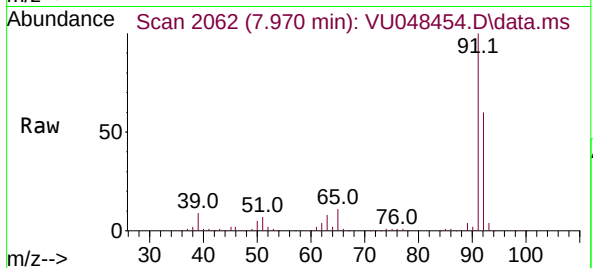
VSTD050064

Tgt Ion: 91 Resp: 681260

Ion Ratio Lower Upper

91 100

92 59.6 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 55.958 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048454.D

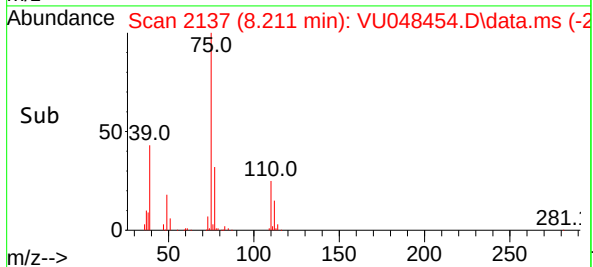
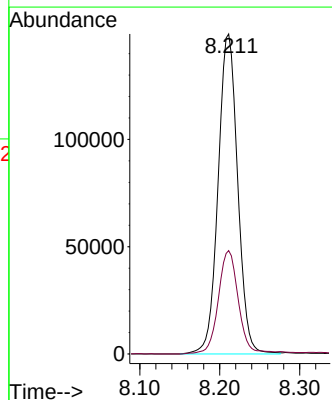
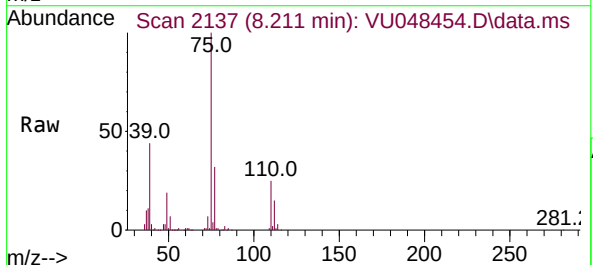
Acq: 06 May 2022 14:12

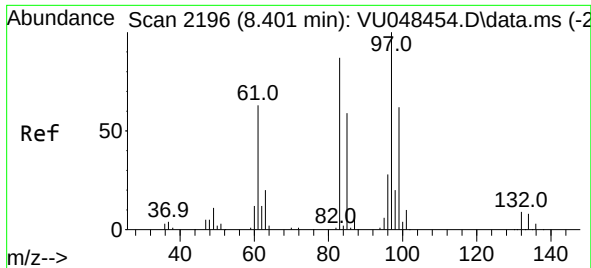
Tgt Ion: 75 Resp: 252904

Ion Ratio Lower Upper

75 100

77 32.3 22.6 42.0



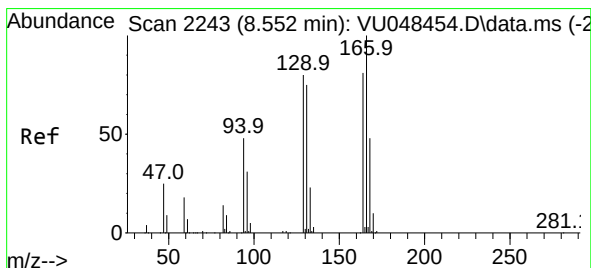
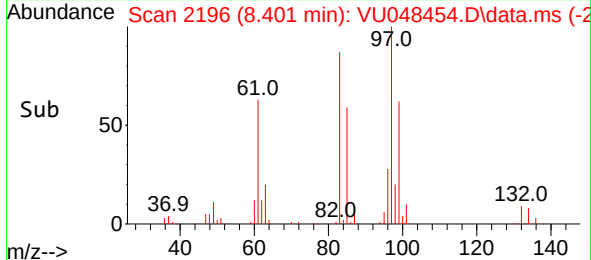
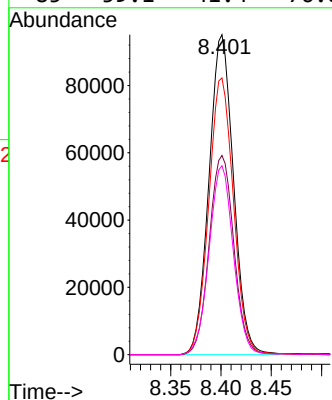
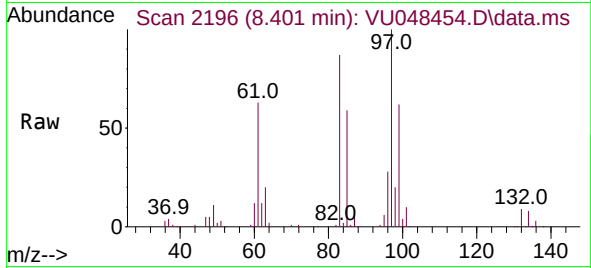


#45
1,1,2-Trichloroethane
Concen: 48.531 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

Tgt Ion: 97 Resp: 161628

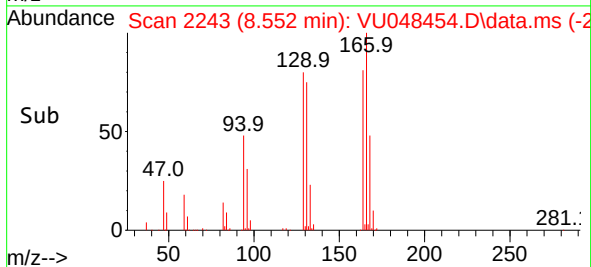
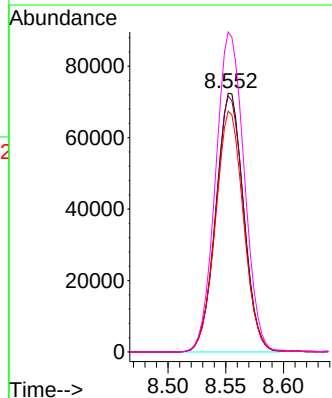
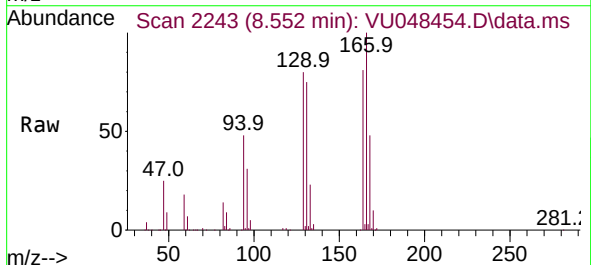
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.9
83	86.5	60.5	112.5
85	59.1	41.4	76.8

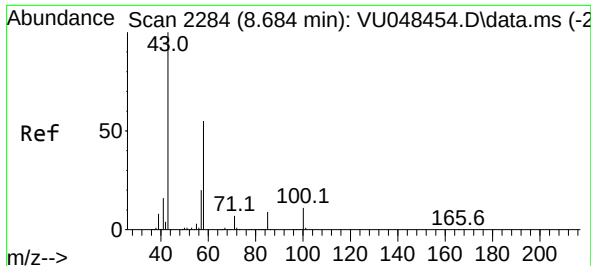


#46
Tetrachloroethene
Concen: 50.966 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion: 164 Resp: 121214

Ion	Ratio	Lower	Upper
164	100		
129	98.9	69.2	128.6
131	93.1	65.2	121.0
166	123.7	86.6	160.8

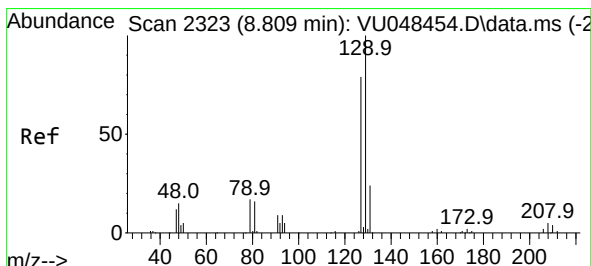
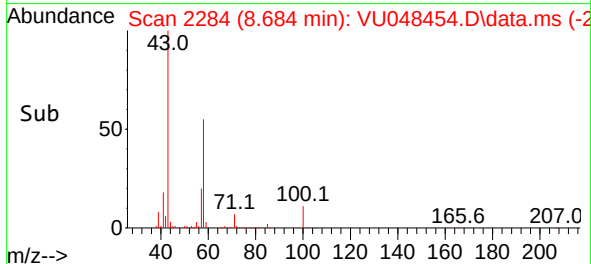
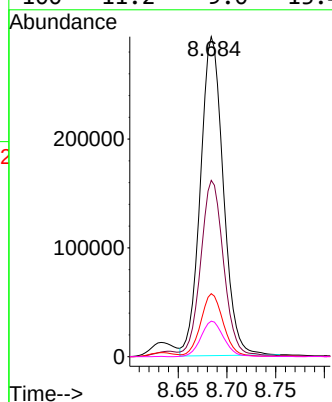
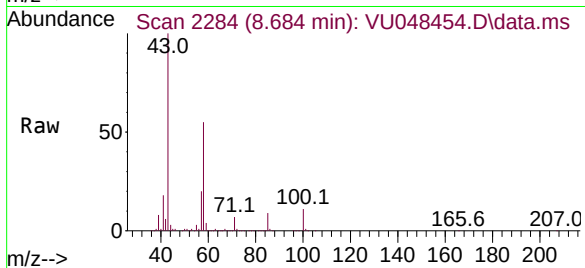




#48
2-Hexanone
Concen: 116.470 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

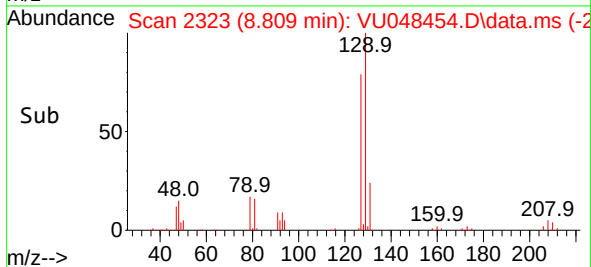
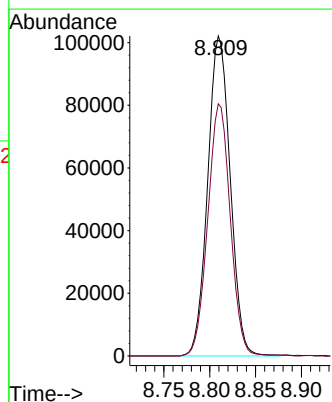
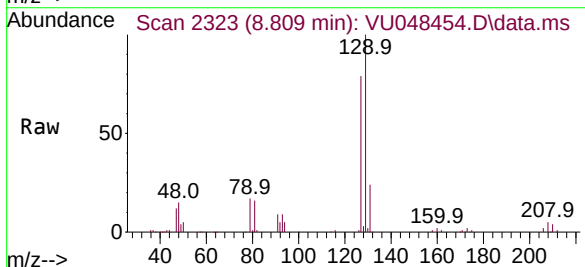
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

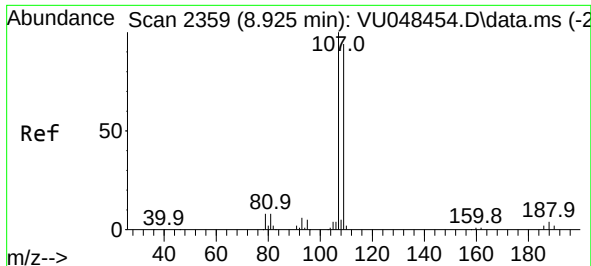
Tgt Ion: 43 Resp: 478805
Ion Ratio Lower Upper
43 100
58 55.4 44.3 66.5
57 19.6 15.7 23.5
100 11.2 9.0 13.4



#49
Dibromochloromethane
Concen: 47.813 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion: 129 Resp: 174883
Ion Ratio Lower Upper
129 100
127 78.8 55.2 102.4

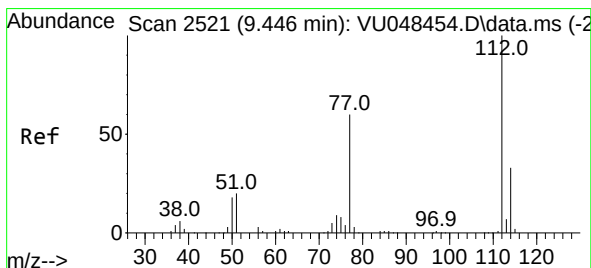
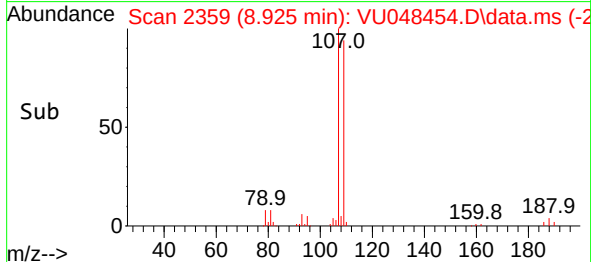
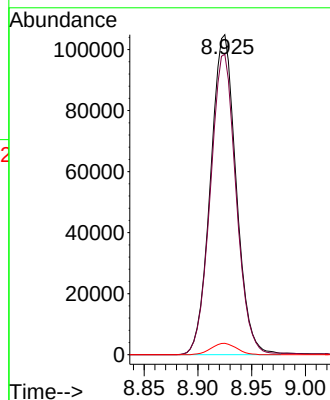
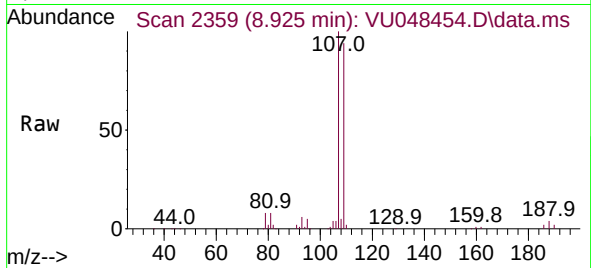




#50
1,2-Dibromoethane
Concen: 50.806 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

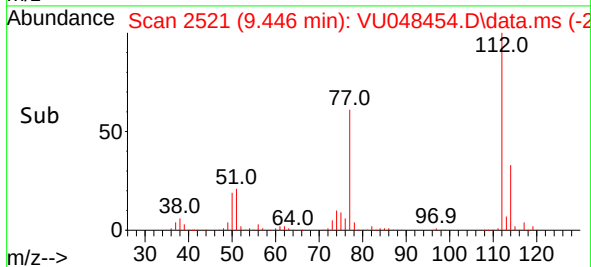
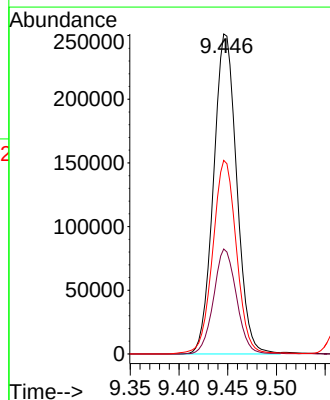
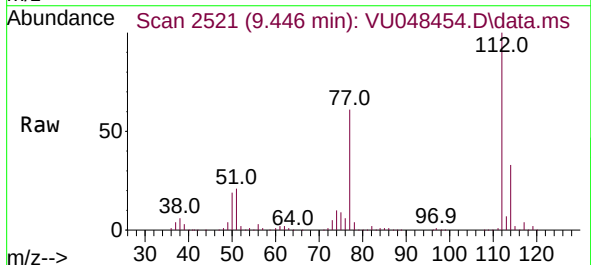
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

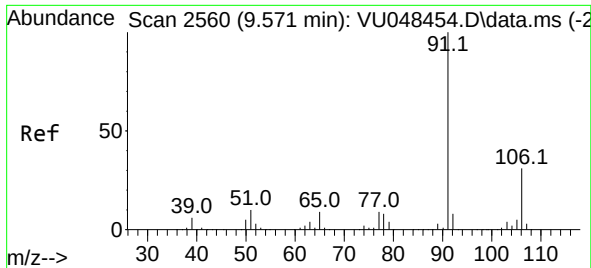
Tgt Ion:107 Resp: 174417
Ion Ratio Lower Upper
107 100
109 93.9 65.7 122.1
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 48.913 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion:112 Resp: 416915
Ion Ratio Lower Upper
112 100
114 32.8 23.0 42.6
77 60.5 48.4 72.6

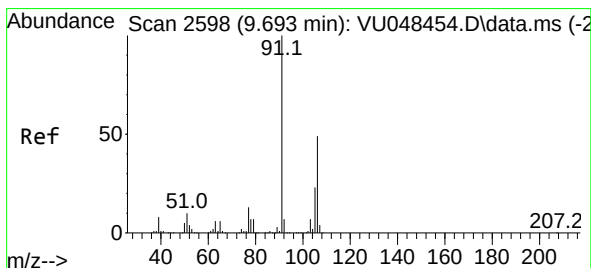
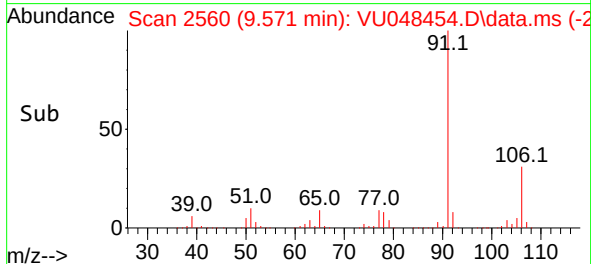
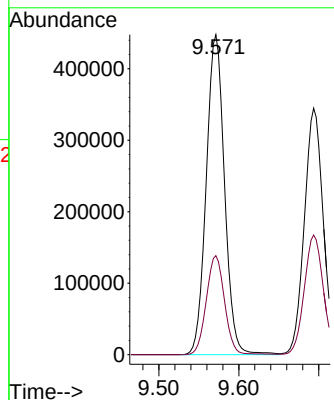
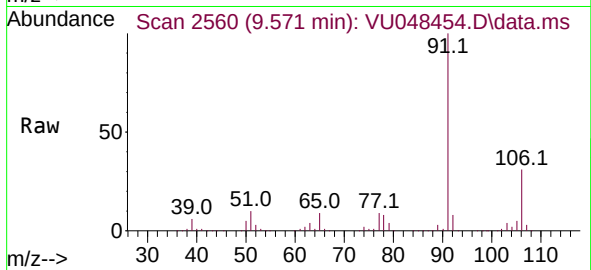




#52
Ethylbenzene
Concen: 56.797 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

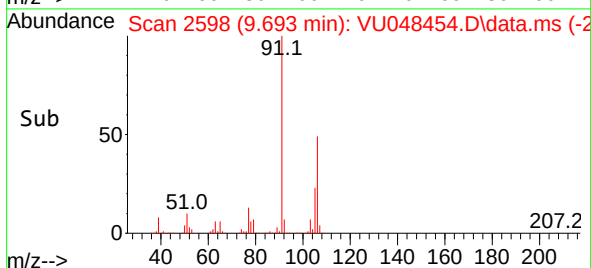
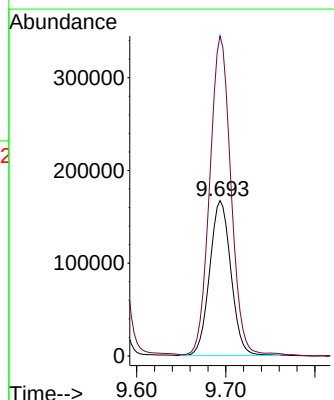
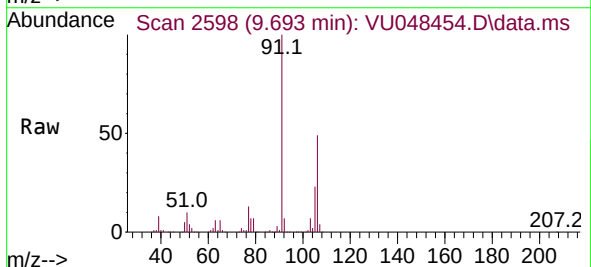
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

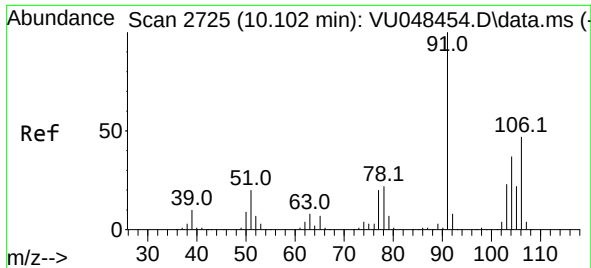
Tgt Ion: 91 Resp: 713266
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-Xylene
Concen: 56.421 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion: 106 Resp: 276355
Ion Ratio Lower Upper
106 100
91 205.9 144.1 267.7

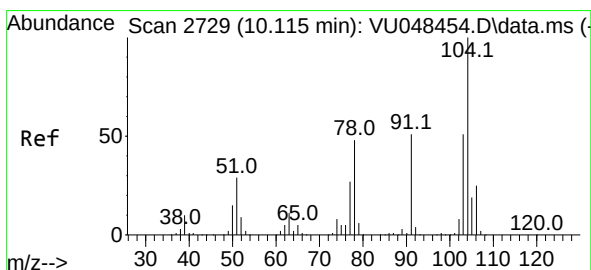
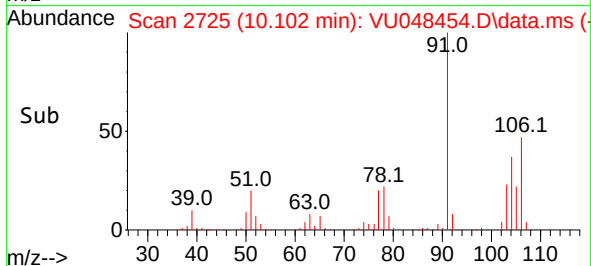
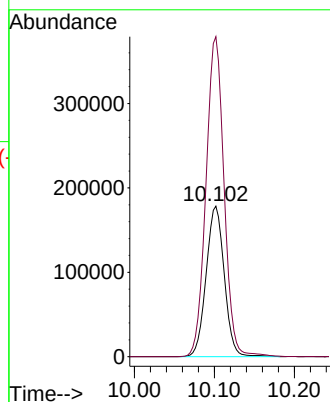
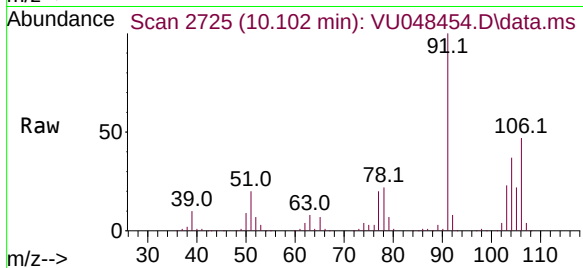




#54
o-Xylene
Concen: 57.232 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

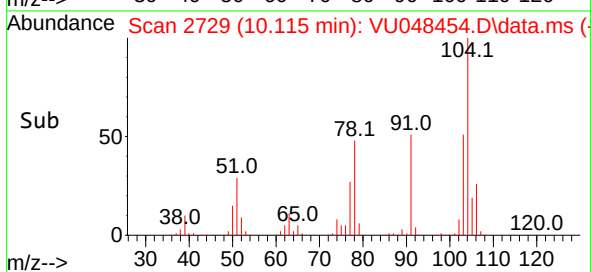
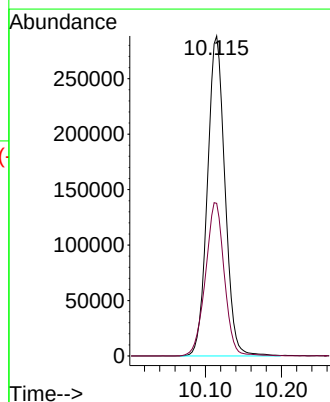
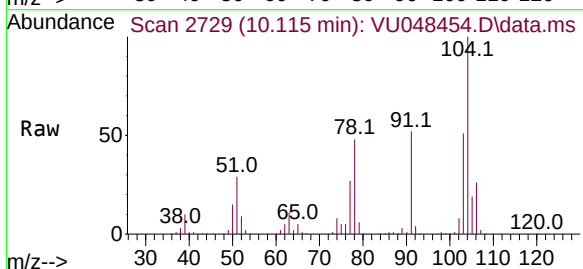
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

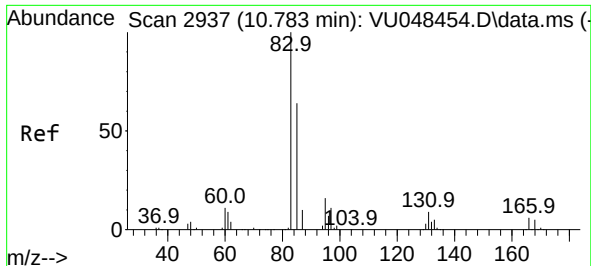
Tgt Ion:106 Resp: 281989
Ion Ratio Lower Upper
106 100
91 212.6 148.8 276.4



#55
Styrene
Concen: 55.804 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion:104 Resp: 461354
Ion Ratio Lower Upper
104 100
78 47.7 33.4 62.0

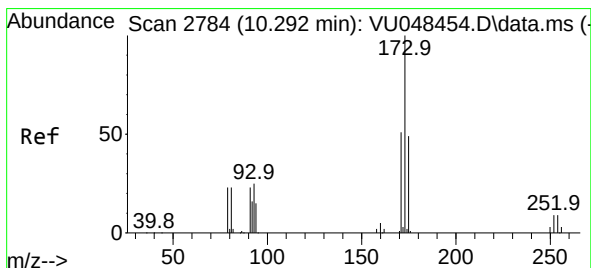
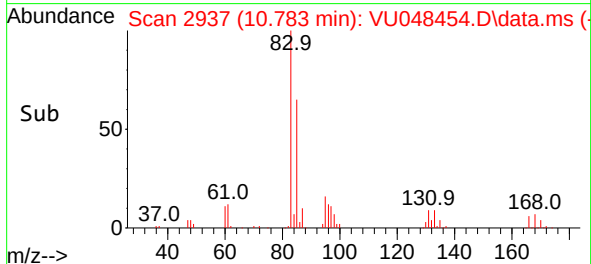
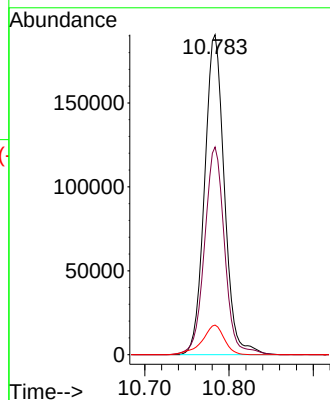
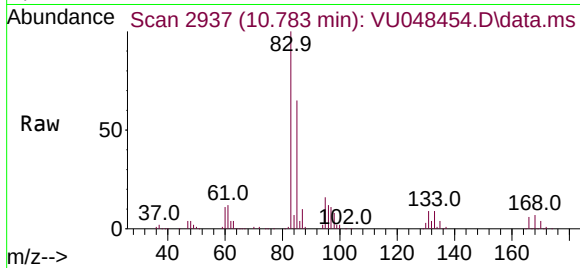




#57
1,1,2,2-Tetrachloroethane
Concen: 47.726 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

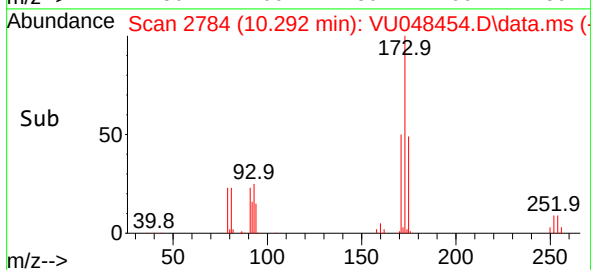
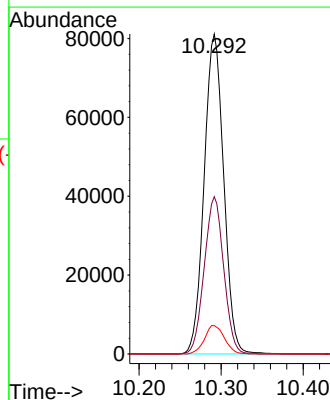
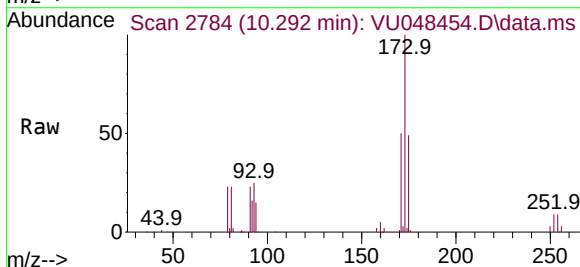
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

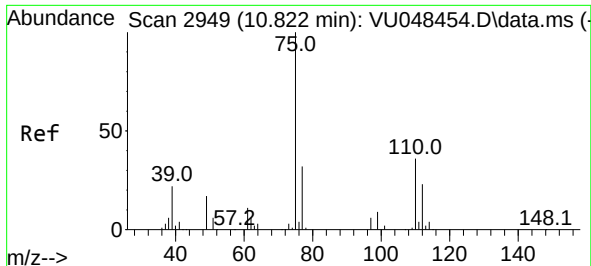
Tgt Ion: 83 Resp: 311420
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4
131 9.2 7.4 11.0



#59
Bromoform
Concen: 46.493 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion:173 Resp: 134313
Ion Ratio Lower Upper
173 100
175 48.9 39.1 58.7
254 9.1 7.3 10.9

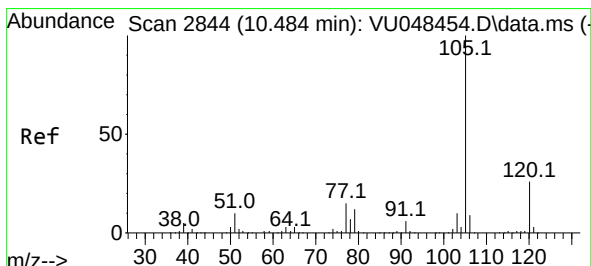
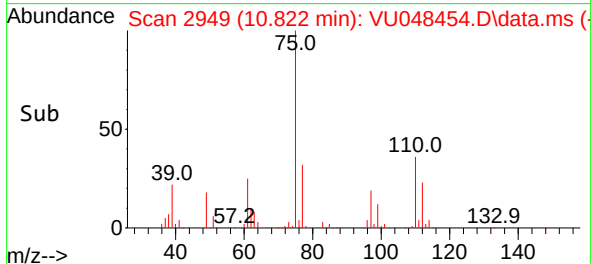
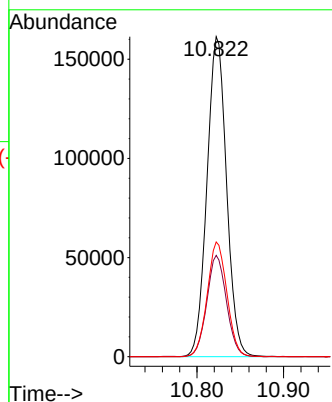
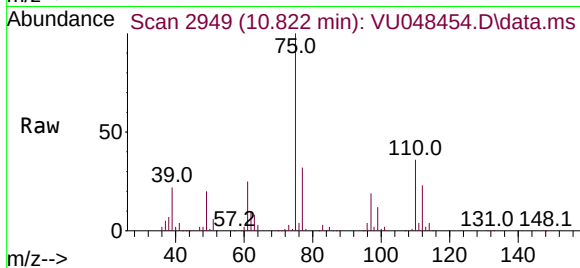




#60
1,2,3-Trichloropropane
Concen: 52.915 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

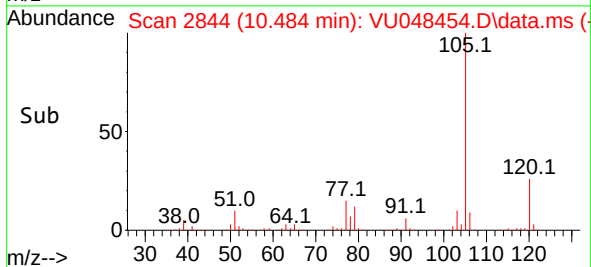
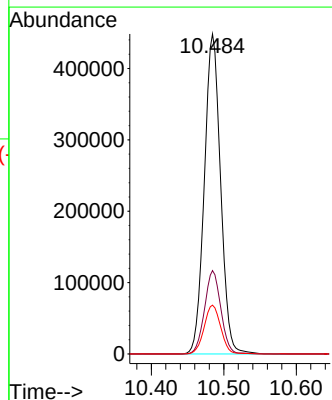
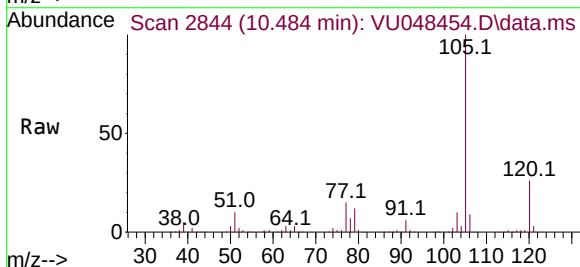
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

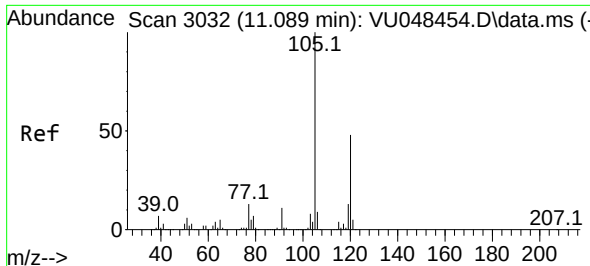
Tgt Ion: 75 Resp: 253658
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
110 36.1 28.9 43.3



#61
Isopropylbenzene
Concen: 59.758 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion: 105 Resp: 697244
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.4
77 15.6 12.5 18.7

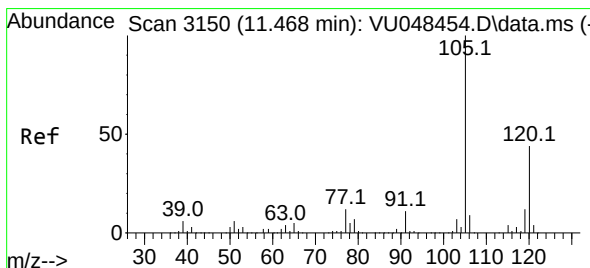
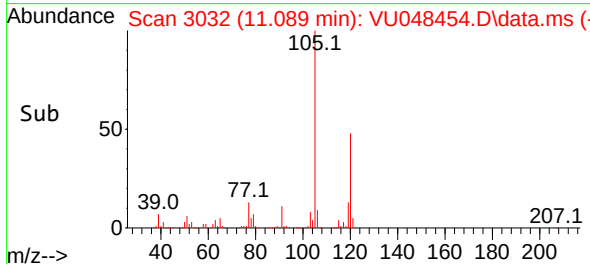
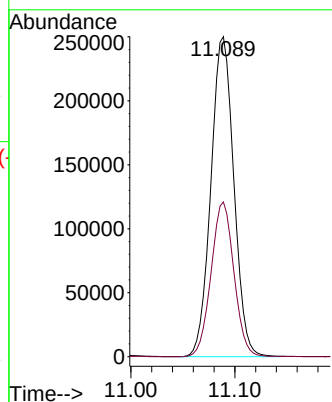
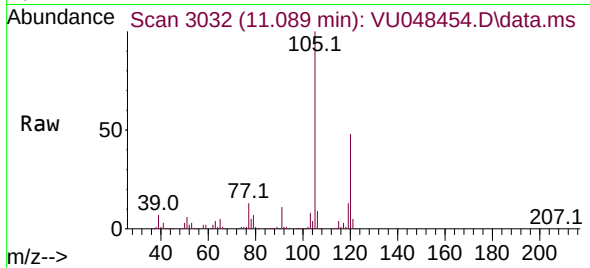




#62
 1,3,5-Trimethylbenzene
 Concen: 61.847 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU048454.D
 Acq: 06 May 2022 14:12

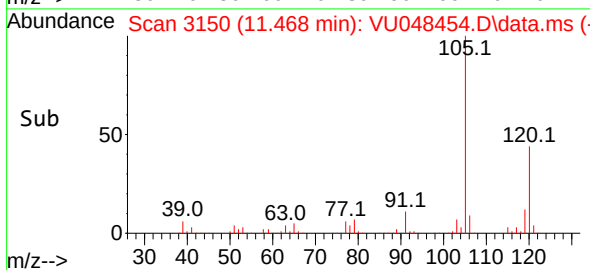
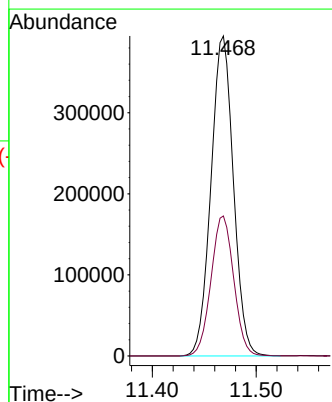
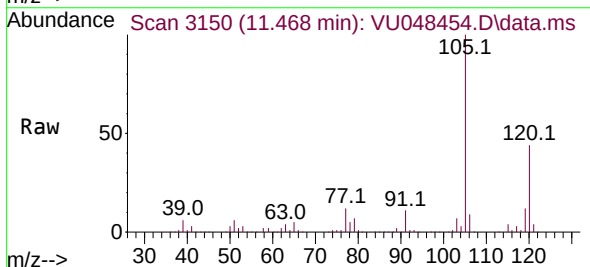
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050064

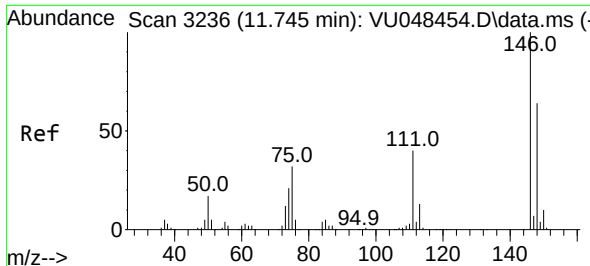
Tgt Ion:105 Resp: 383169
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.5 57.7



#63
 1,2,4-Trimethylbenzene
 Concen: 62.823 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU048454.D
 Acq: 06 May 2022 14:12

Tgt Ion:105 Resp: 592028
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.4 53.2

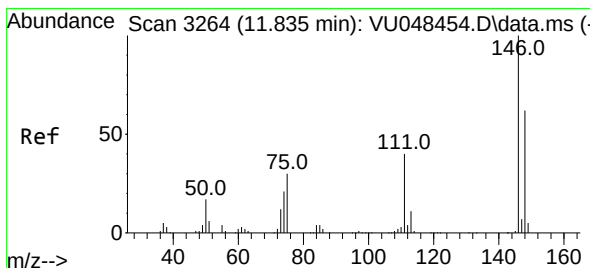
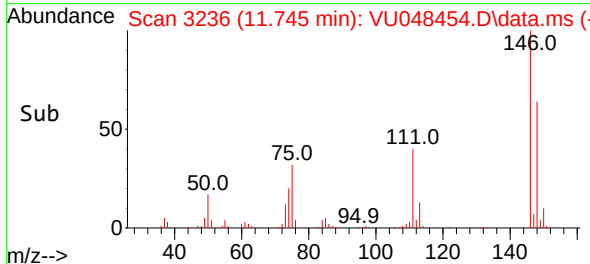
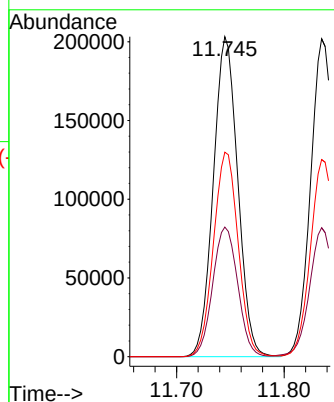
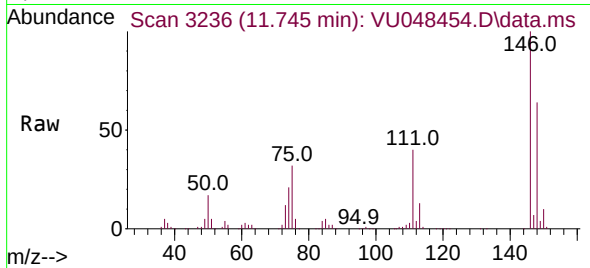




#64
1,3-Dichlorobenzene
Concen: 50.987 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

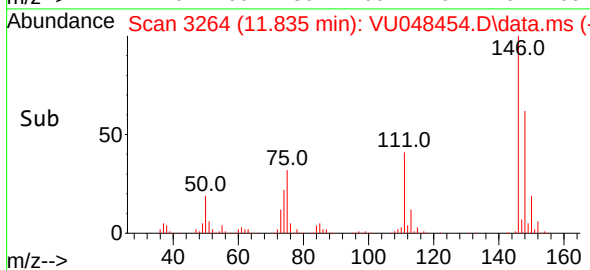
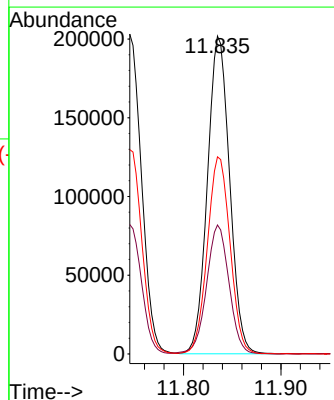
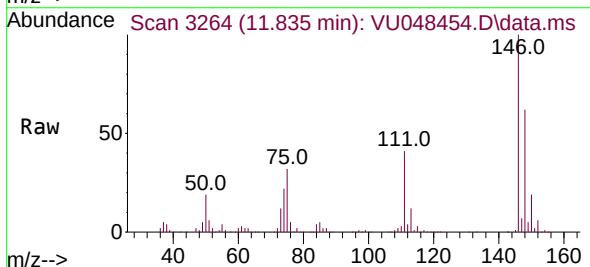
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

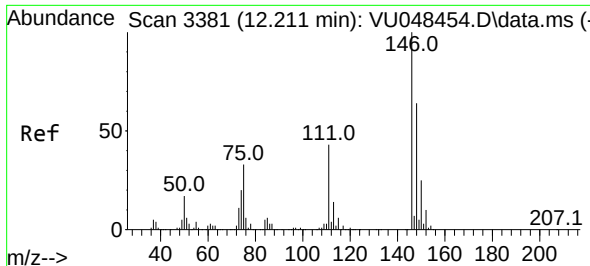
Tgt Ion:146 Resp: 321123
Ion Ratio Lower Upper
146 100
111 40.5 28.3 52.7
148 63.9 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 49.401 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion:146 Resp: 319050
Ion Ratio Lower Upper
146 100
111 40.6 28.4 52.8
148 62.0 43.4 80.6

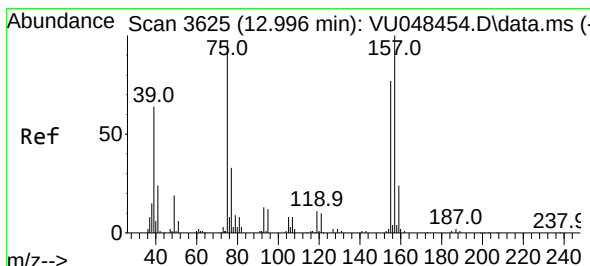
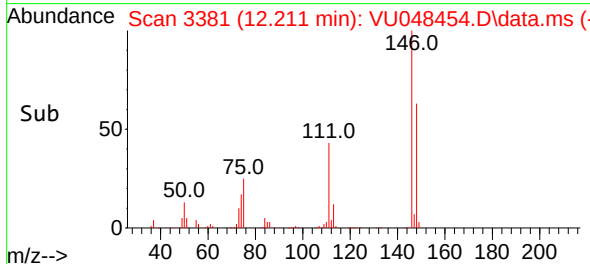
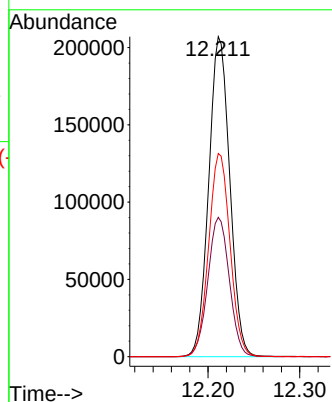
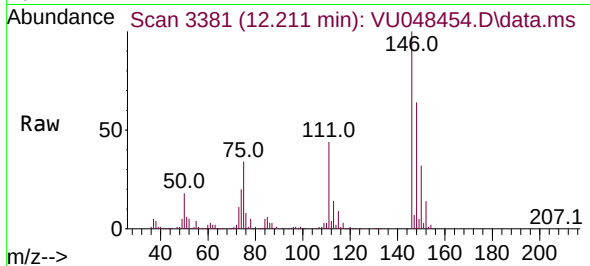




#67
1,2-Dichlorobenzene
Concen: 49.673 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

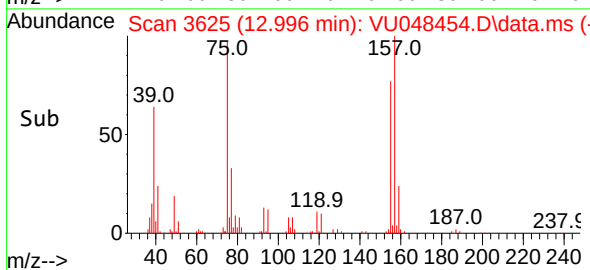
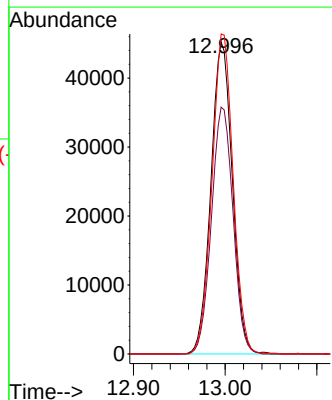
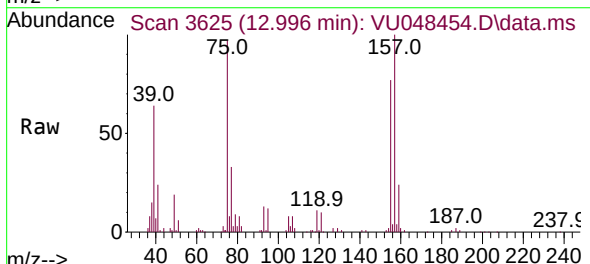
Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

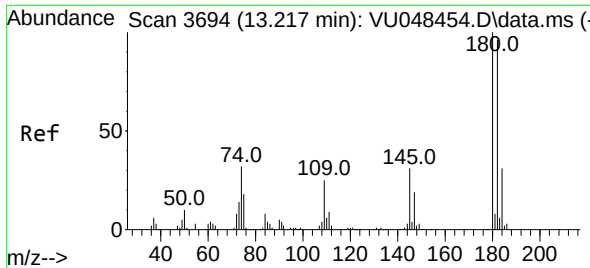
Tgt Ion:146 Resp: 330591
Ion Ratio Lower Upper
146 100
111 43.6 34.9 52.3
148 63.5 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 56.637 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion: 75 Resp: 73628
Ion Ratio Lower Upper
75 100
155 79.2 63.4 95.0
157 102.7 82.2 123.2

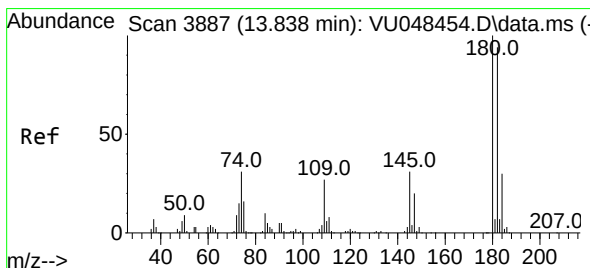
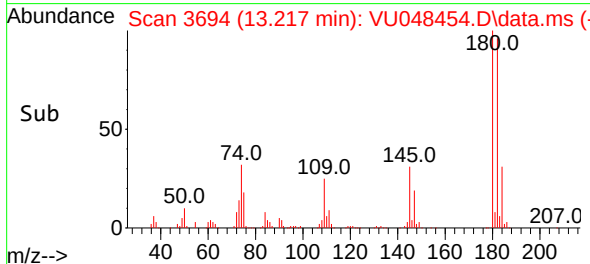
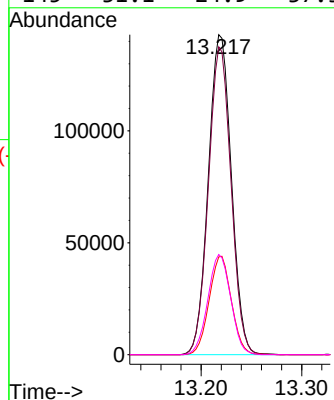
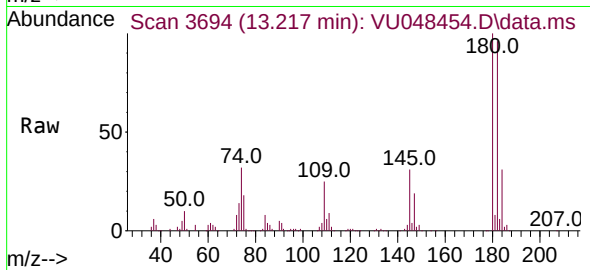




#69
 1,3,5-Trichlorobenzene
 Concen: 48.958 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU048454.D
 Acq: 06 May 2022 14:12

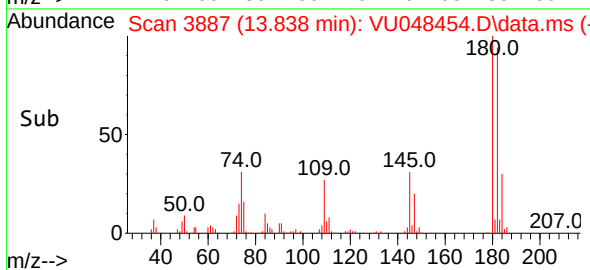
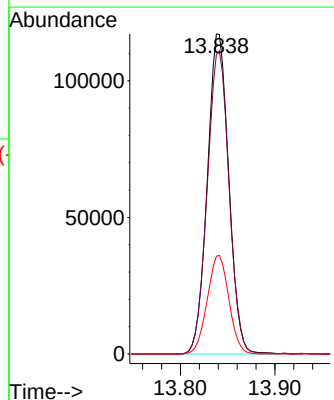
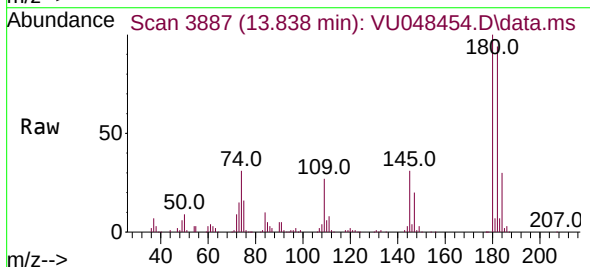
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050064

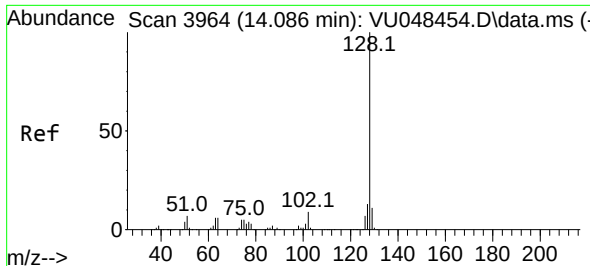
Tgt Ion:180	Resp:	227294
Ion	Ratio	Lower Upper
180	100	
182	94.6	75.7 113.5
184	29.8	23.8 35.8
145	31.1	24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 50.031 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU048454.D
 Acq: 06 May 2022 14:12

Tgt Ion:180	Resp:	184714
Ion	Ratio	Lower Upper
180	100	
182	96.4	77.1 115.7
145	31.1	24.9 37.3

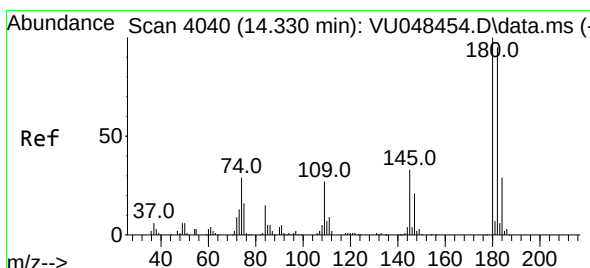
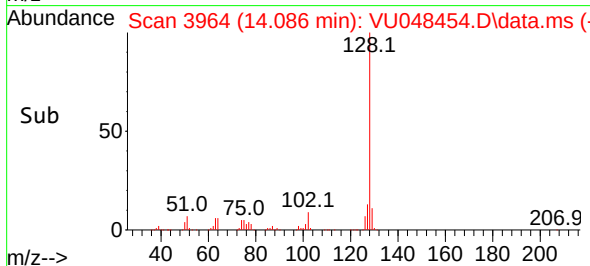
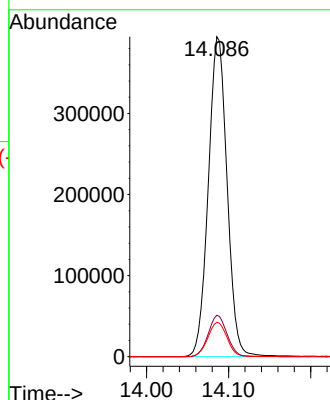
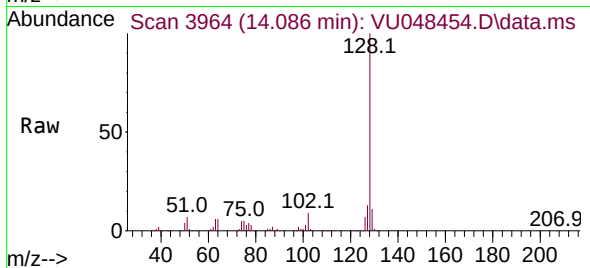




#71
Naphthalene
Concen: 57.728 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD050064

Tgt Ion:128 Resp: 628013
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 51.464 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048454.D
Acq: 06 May 2022 14:12

Tgt Ion:180 Resp: 194913
Ion Ratio Lower Upper
180 100
182 94.3 75.4 113.2
145 33.0 26.4 39.6

