

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047636.D
 Acq On : 24 Mar 2022 14:49
 Operator : SY/MD
 Sample : VSTD20053
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200053

Quant Time: Mar 24 23:09:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:06:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	378242	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	407357	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	263201	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	512121	167.027	ug/L	0.00
7) Chloroethane-d5	1.919	69	417152	175.954	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.572	63	1020325	187.981	ug/L	0.00
21) 2-Butanone-d5	4.642	46	988114	399.002	ug/L	0.00
24) Chloroform-d	5.067	84	974535	188.516	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	586304	171.113	ug/L	0.00
32) Benzene-d6	5.732	84	1940126	169.161	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	609493	172.083	ug/L	0.00
41) Toluene-d8	7.899	98	1952077	184.907	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	333357	193.706	ug/L	0.00
47) 2-Hexanone-d5	8.642	63	823847	472.817	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	1122420	204.371	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	915085	182.718	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	764309	197.719	ug/L	100
3) Chloromethane	1.523	50	703339	199.846	ug/L	100
5) Vinyl chloride	1.607	62	732663	206.519	ug/L	99
6) Bromomethane	1.864	94	439437	221.664	ug/L	99
8) Chloroethane	1.938	64	486589	234.770	ug/L	99
9) Trichlorofluoromethane	2.141	101	1112985	237.481	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	607554	228.506	ug/L	98
12) 1,1-Dichloroethene	2.581	96	581455	231.154	ug/L	92
13) Acetone	2.662	43	849027	302.170	ug/L	98
14) Carbon disulfide	2.797	76	1800350	230.692	ug/L	100
15) Methyl Acetate	2.961	43	811123	232.598	ug/L	99
16) Methylene chloride	3.051	84	651223	217.032	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	618311	232.673	ug/L	95
18) Methyl tert-butyl Ether	3.369	73	1886658	233.727	ug/L	100
19) 1,1-Dichloroethane	3.874	63	1073294	222.437	ug/L	100
20) cis-1,2-Dichloroethene	4.668	96	694342	240.664	ug/L	95
22) 2-Butanone	4.723	43	1268108	405.020	ug/L	98
23) Bromochloromethane	4.980	128	374181	250.387	ug/L	99
25) Chloroform	5.092	83	1143004	214.056	ug/L	100
27) 1,2-Dichloroethane	5.797	62	888066	223.968	ug/L	99
29) Cyclohexane	5.391	56	980151	221.194	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	1001314	209.721	ug/L	100
31) Carbon tetrachloride	5.527	117	905765	221.536	ug/L	99
33) Benzene	5.777	78	2577513	217.745	ug/L	100
34) Trichloroethene	6.543	95	680736	219.226	ug/L	99
35) Methylcyclohexane	6.764	83	1108192	234.218	ug/L	99
37) 1,2-Dichloropropane	6.793	63	664175	215.288	ug/L	99
38) Bromodichloromethane	7.108	83	907672	219.864	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	1125836	240.861	ug/L	99
40) 4-Methyl-2-pentanone	7.800	43	2358893	519.636	ug/L	99
42) Toluene	7.970	91	2938005	230.735	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	1125412	245.681	ug/L	99

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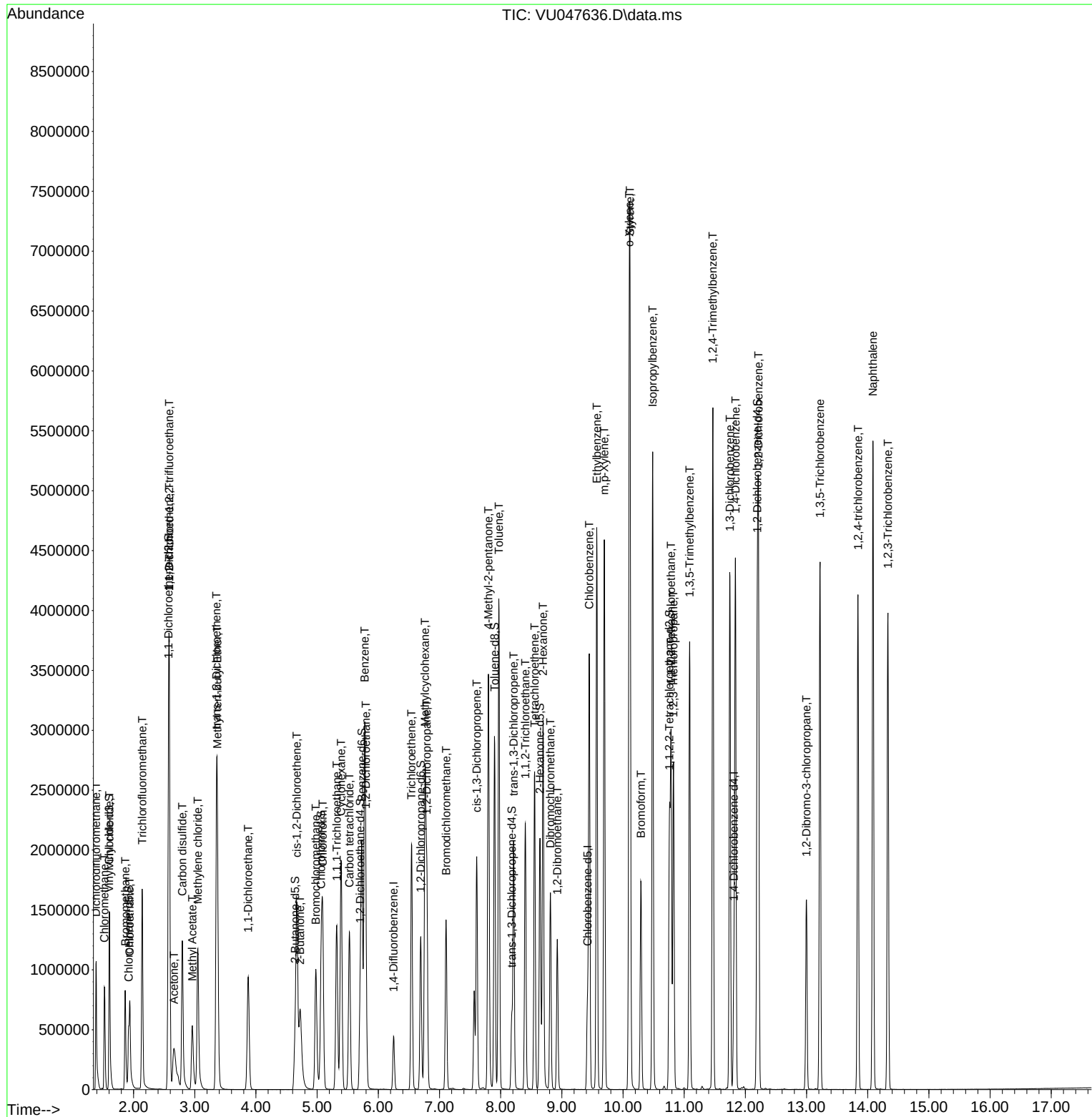
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.404	97	707106	225.613	ug/L	99
46) Tetrachloroethene	8.555	164	602208	254.631	ug/L	98
48) 2-Hexanone	8.694	43	1979006	492.608	ug/L	99
49) Dibromochloromethane	8.813	129	859275	258.676	ug/L	99
50) 1,2-Dibromoethane	8.925	107	815532	240.385	ug/L	99
51) Chlorobenzene	9.449	112	1990582	240.575	ug/L	99
52) Ethylbenzene	9.571	91	3295440	244.743	ug/L	99
53) m,p-Xylene	9.694	106	1300383	246.424	ug/L	98
54) o-Xylene	10.102	106	1305383	253.673	ug/L	99
55) Styrene	10.115	104	2309517	264.014	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	1423880	260.713	ug/L	100
59) Bromoform	10.295	173	787129	259.356	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	1108482	202.503	ug/L	99
61) Isopropylbenzene	10.485	105	3419731	215.132	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	1975282	158.584	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	3053720	232.083	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	1801701	231.757	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	1814673	225.602	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	1775147	226.061	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	369648	246.449	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	1454894	253.216	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	1327082	260.518	ug/L	99
71) Naphthalene	14.086	128	4250045	249.477	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	1304084	252.761	ug/L	99

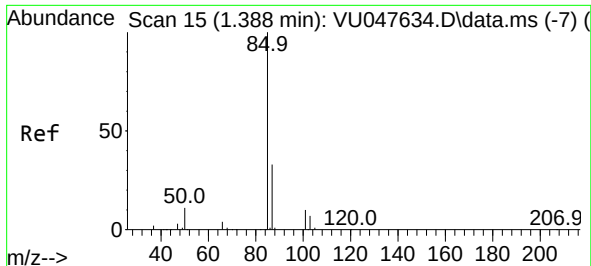
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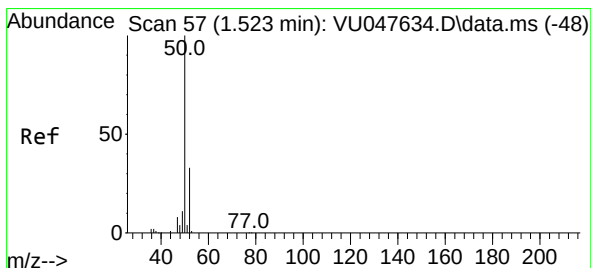
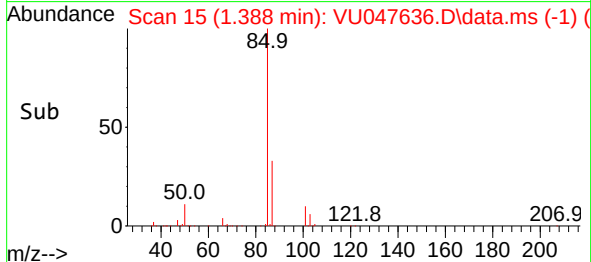
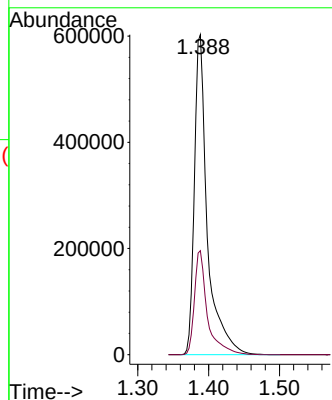
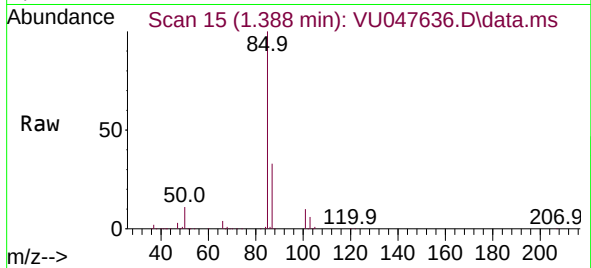




#2
Dichlorodifluoromethane
Concen: 197.719 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

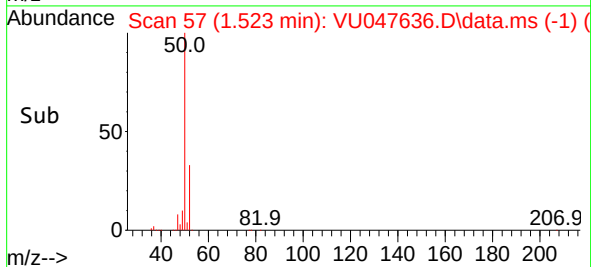
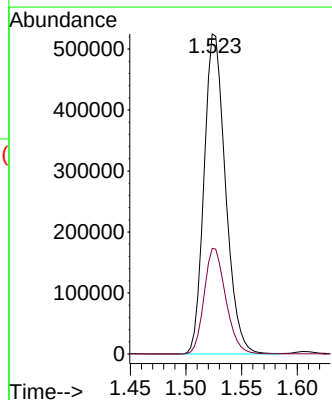
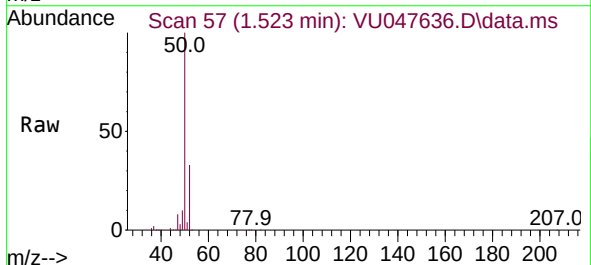
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

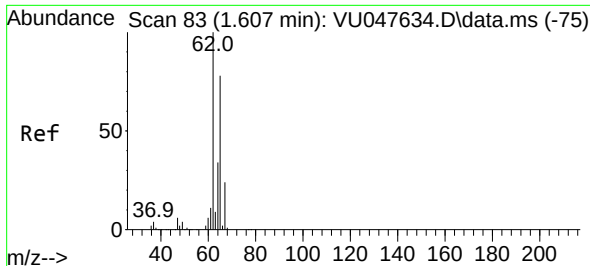
Tgt Ion: 85 Resp: 764309
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.8



#3
Chloromethane
Concen: 199.846 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion: 50 Resp: 703339
Ion Ratio Lower Upper
50 100
52 33.0 23.2 43.2

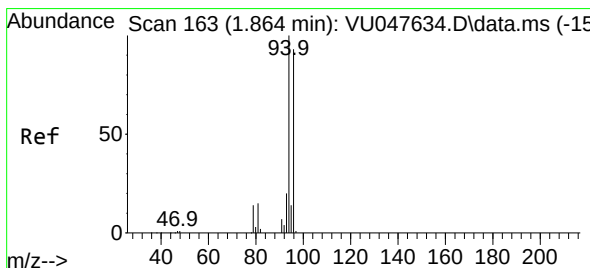
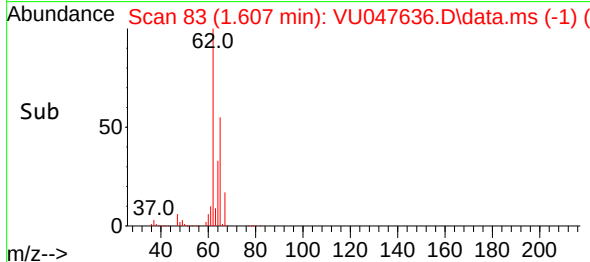
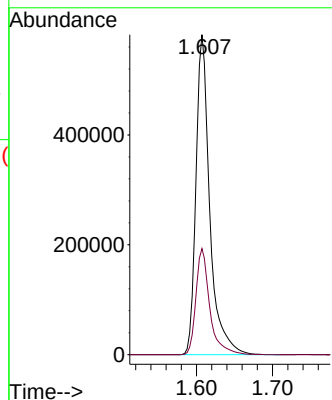
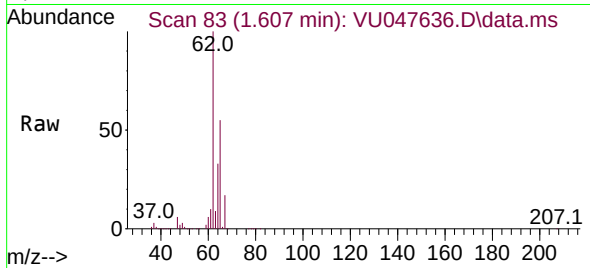




#5
 Vinyl chloride
 Concen: 206.519 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047636.D
 Acq: 24 Mar 2022 14:49

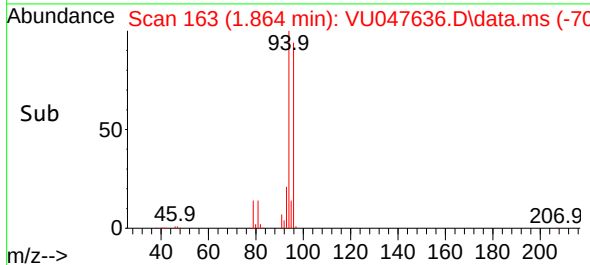
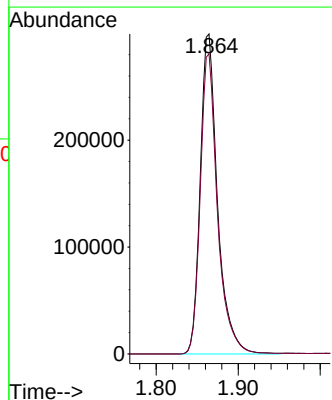
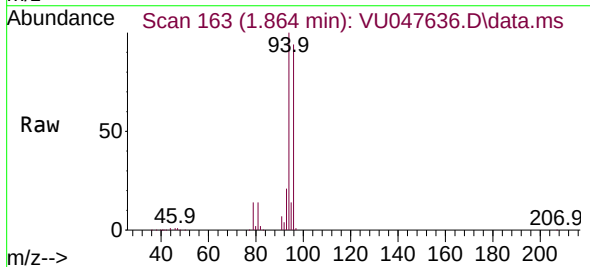
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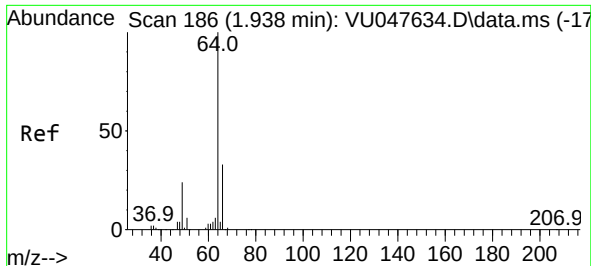
Tgt Ion: 62 Resp: 732663
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.7 43.9



#6
 Bromomethane
 Concen: 221.664 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU047636.D
 Acq: 24 Mar 2022 14:49

Tgt Ion: 94 Resp: 439437
 Ion Ratio Lower Upper
 94 100
 96 93.9 64.8 120.3

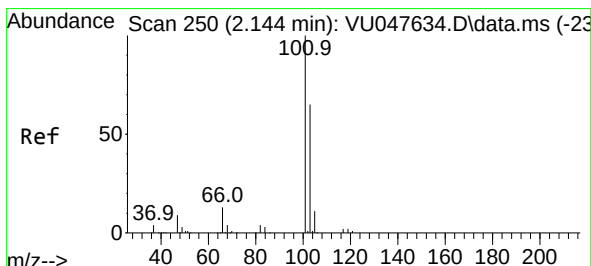
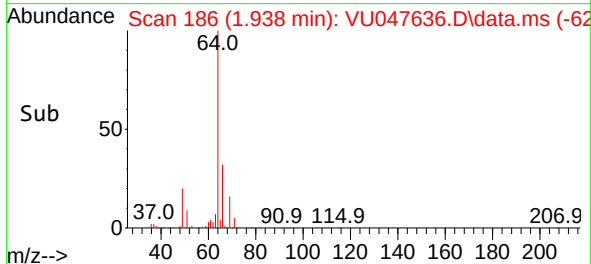
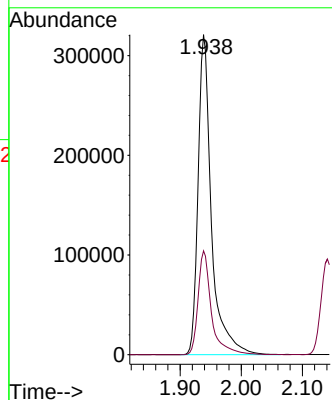
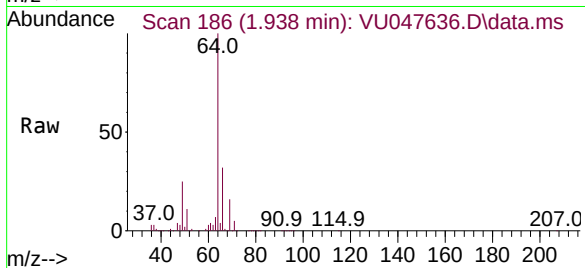




#8
Chloroethane
Concen: 234.770 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

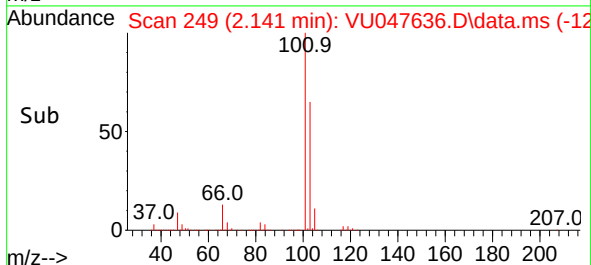
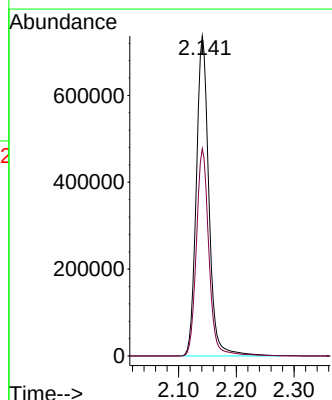
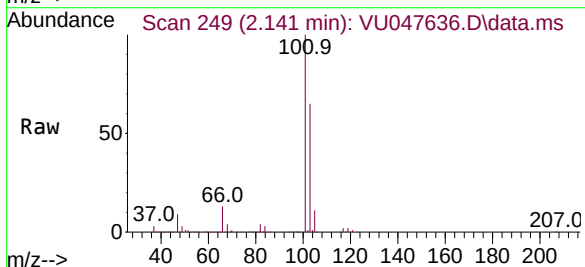
Instrument :
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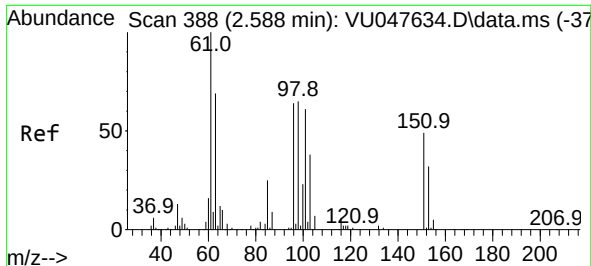
Tgt Ion: 64 Resp: 486589
Ion Ratio Lower Upper
64 100
66 32.5 23.3 43.3



#9
Trichlorofluoromethane
Concen: 237.481 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion:101 Resp: 1112985
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2

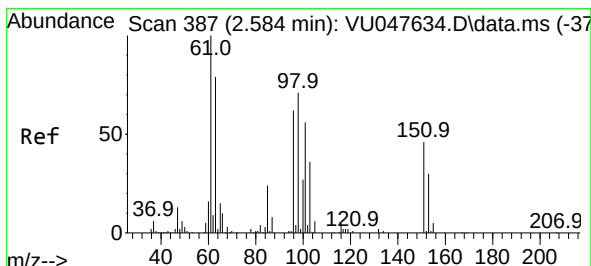
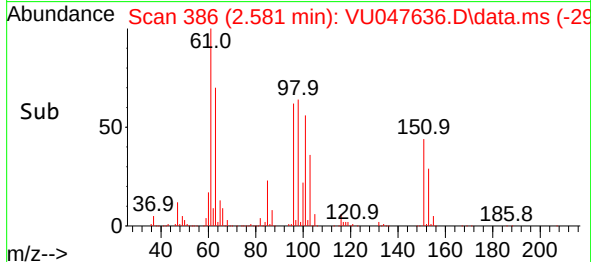
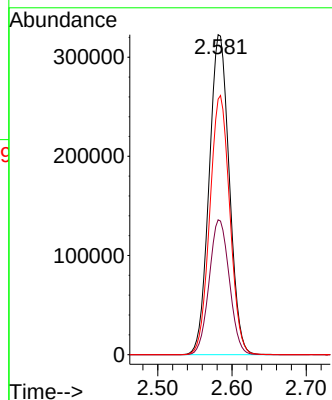
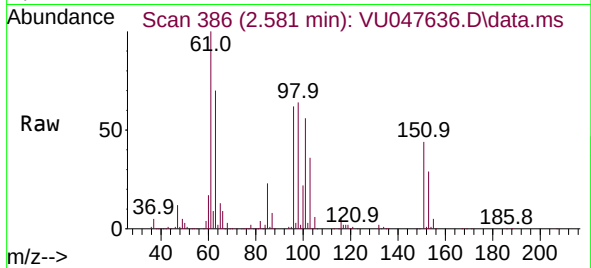




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 228.506 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: VU047636.D
 Acq: 24 Mar 2022 14:49

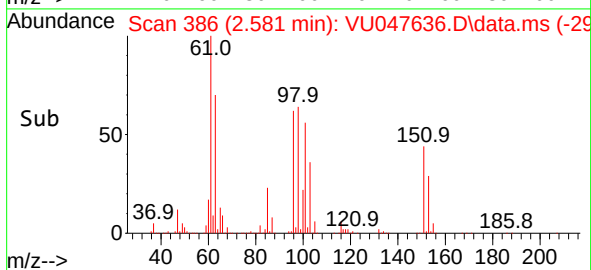
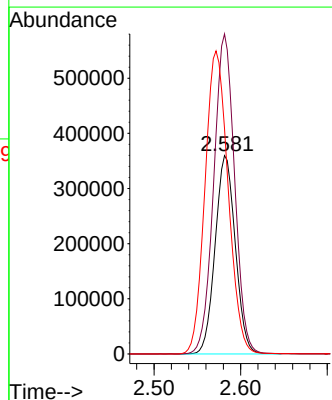
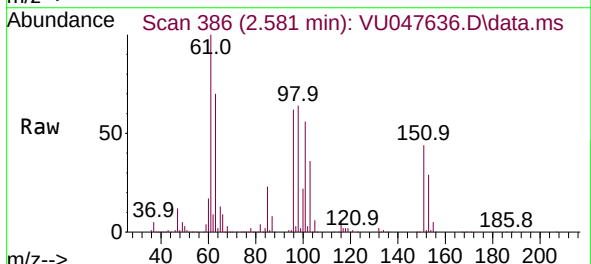
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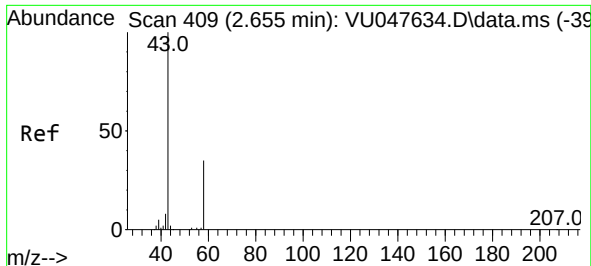
Tgt Ion:101 Resp: 607554
 Ion Ratio Lower Upper
 101 100
 85 42.1 32.8 49.2
 151 80.3 63.0 94.6



#12
 1,1-Dichloroethene
 Concen: 231.154 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU047636.D
 Acq: 24 Mar 2022 14:49

Tgt Ion: 96 Resp: 581455
 Ion Ratio Lower Upper
 96 100
 61 161.3 113.1 210.1
 63 113.7 94.8 176.0





#13

Acetone

Concen: 302.170 ug/L

RT: 2.662 min Scan# 411

Delta R.T. 0.007 min

Lab File: VU047636.D

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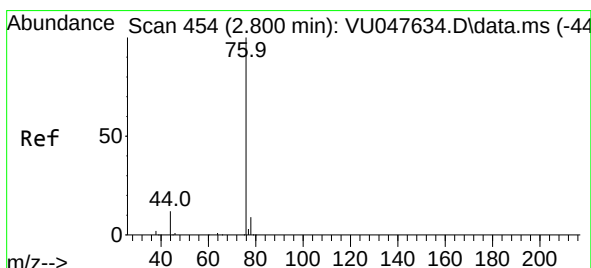
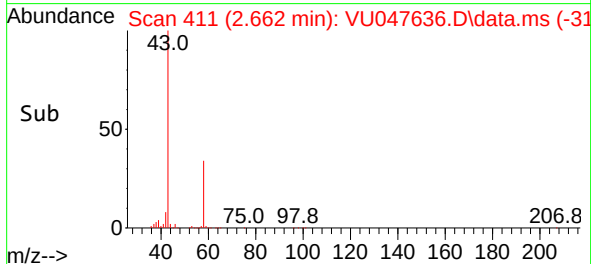
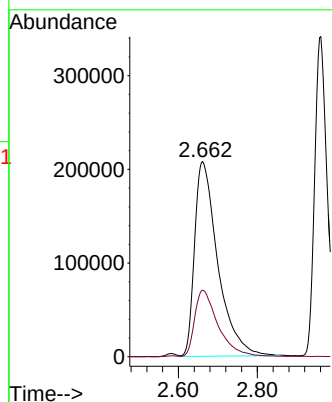
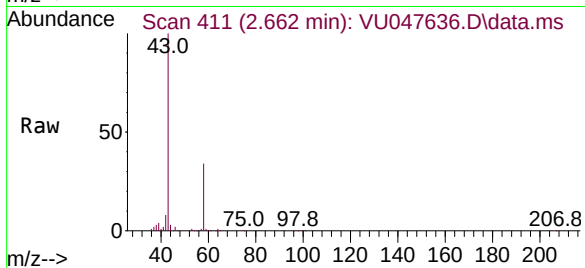
VSTD200053

Tgt Ion: 43 Resp: 849027

Ion Ratio Lower Upper

43 100

58 34.0 0.0 70.0



#14

Carbon disulfide

Concen: 230.692 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.003 min

Lab File: VU047636.D

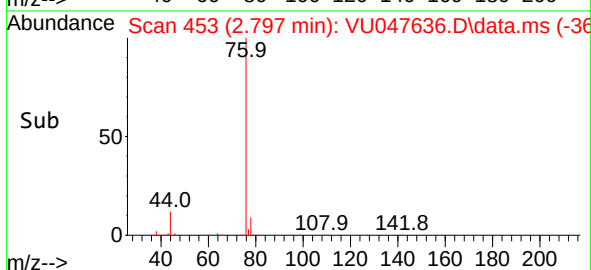
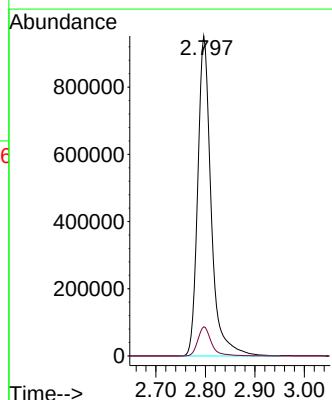
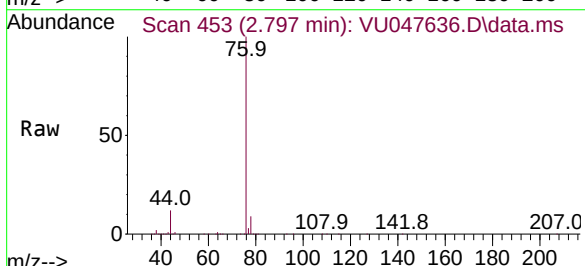
Acq: 24 Mar 2022 14:49

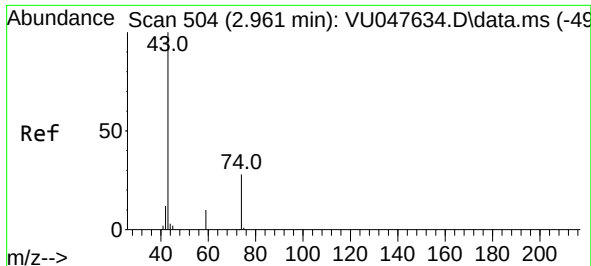
Tgt Ion: 76 Resp: 1800350

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

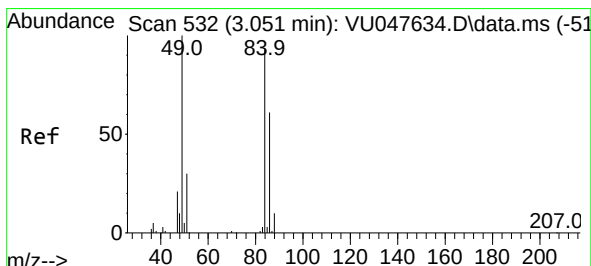
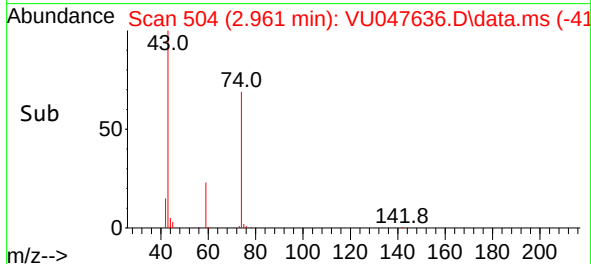
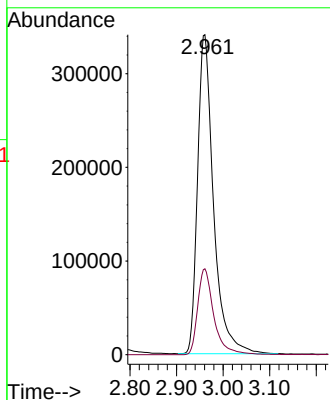
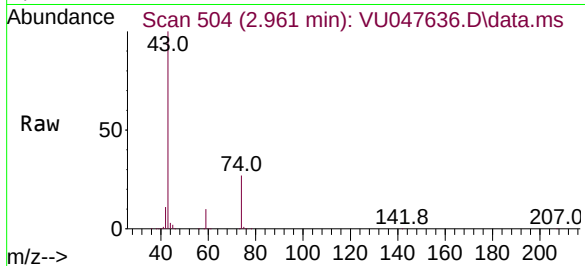




#15
Methyl Acetate
Concen: 232.598 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

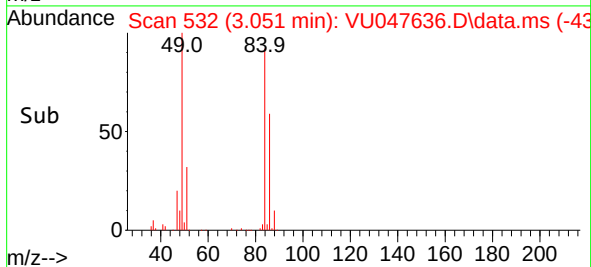
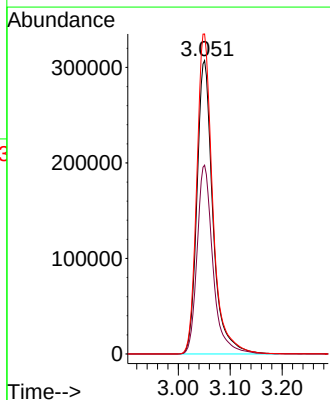
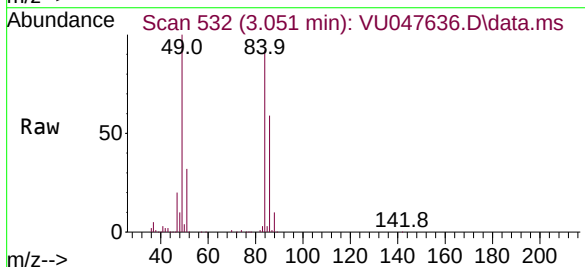
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

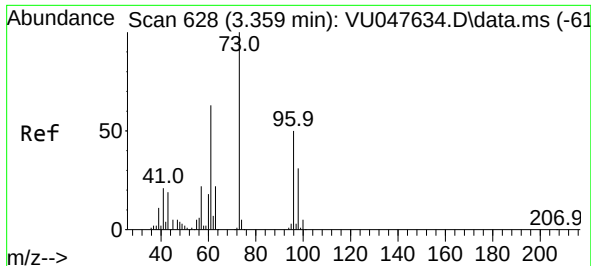
Tgt Ion: 43 Resp: 811123
Ion Ratio Lower Upper
43 100
74 27.2 22.2 33.2



#16
Methylene chloride
Concen: 217.032 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion: 84 Resp: 651223
Ion Ratio Lower Upper
84 100
86 64.3 46.0 85.4
49 109.0 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 232.673 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD200053

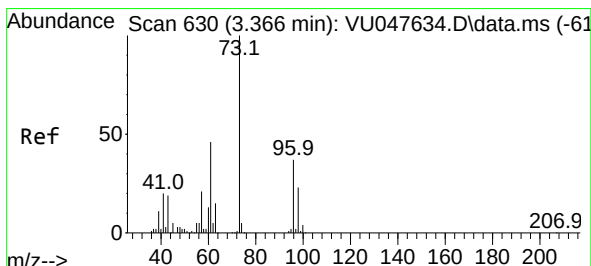
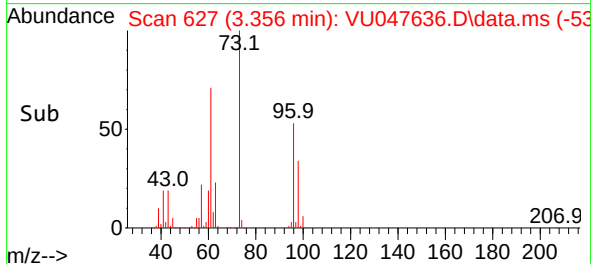
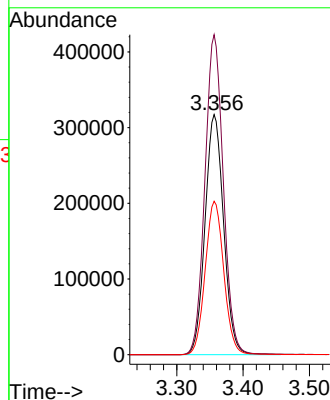
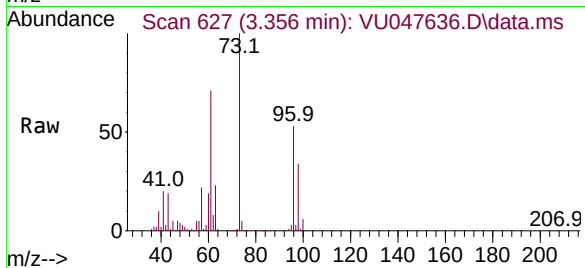
Tgt Ion: 96 Resp: 618311

Ion Ratio Lower Upper

96 100

61 133.3 88.4 164.2

98 63.9 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 233.727 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.003 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

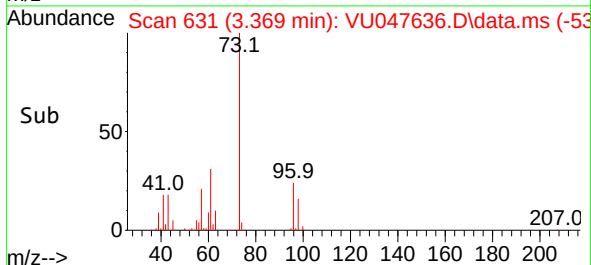
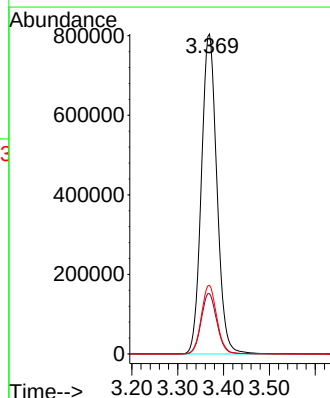
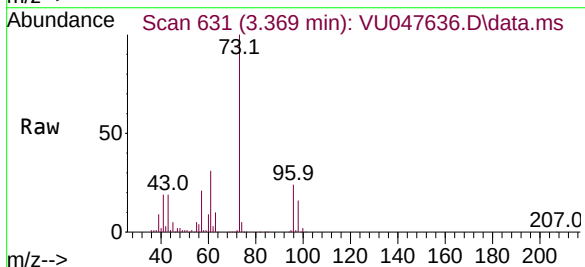
Tgt Ion: 73 Resp: 1886658

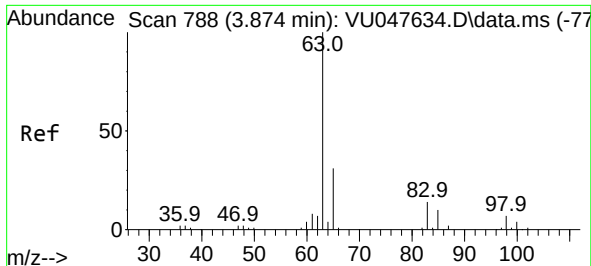
Ion Ratio Lower Upper

73 100

43 19.0 15.3 22.9

57 21.4 17.0 25.6





#19

1,1-Dichloroethane

Concen: 222.437 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Instrument :

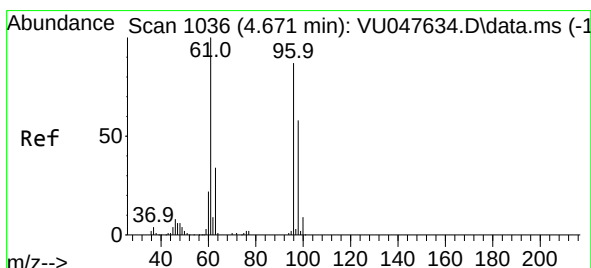
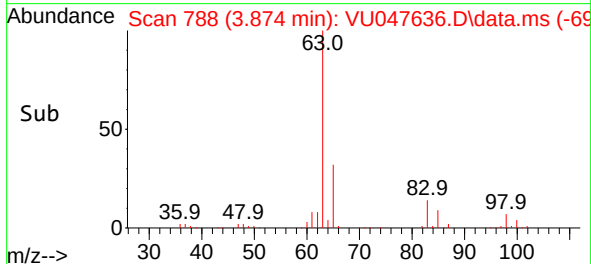
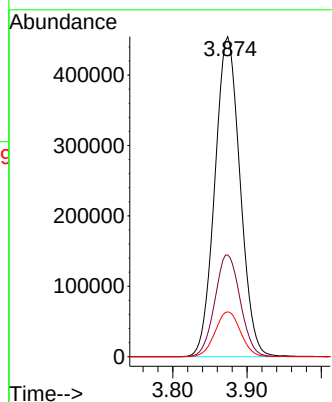
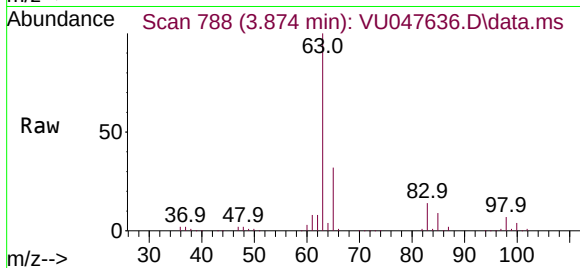
MSVOA_U

ClientSampleId :

VSTD200053

Tgt Ion: 63 Resp: 1073294

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.0	41.0
83	14.0	9.7	18.1



#20

cis-1,2-Dichloroethene

Concen: 240.664 ug/L

RT: 4.668 min Scan# 1035

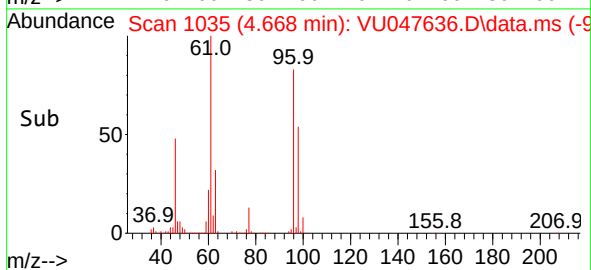
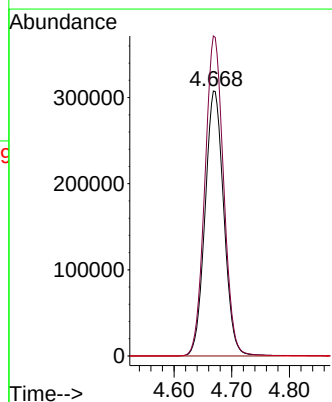
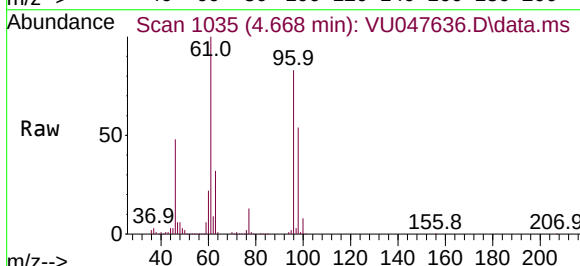
Delta R.T. -0.003 min

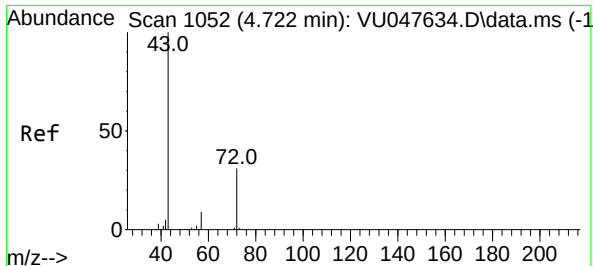
Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Tgt Ion: 96 Resp: 694342

Ion	Ratio	Lower	Upper
96	100		
61	120.8	80.7	149.9
68	0.0	0.0	0.0

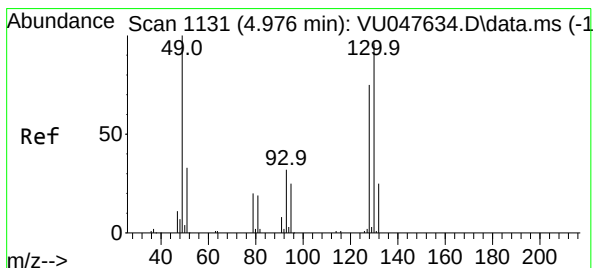
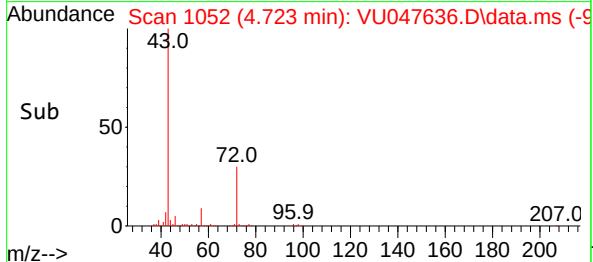
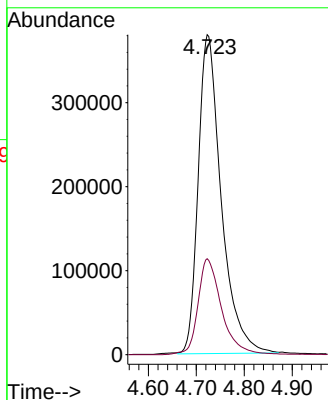
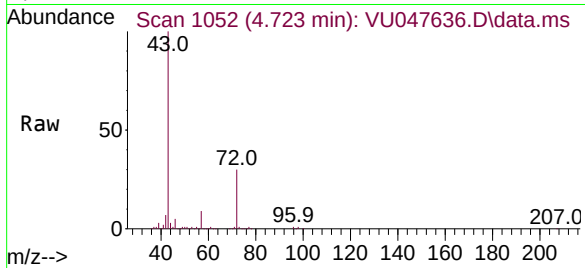




#22
2-Butanone
Concen: 405.020 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

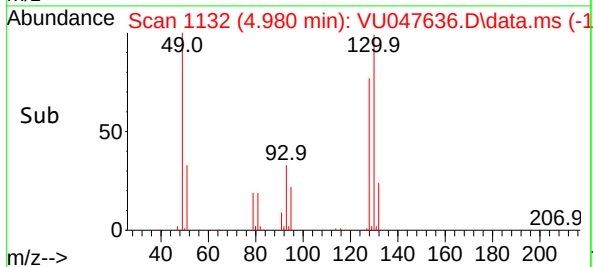
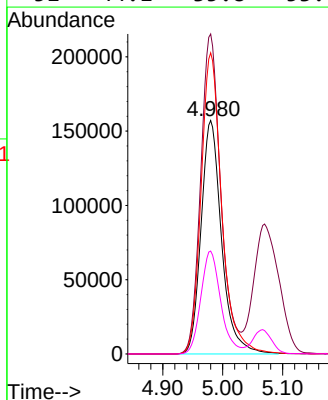
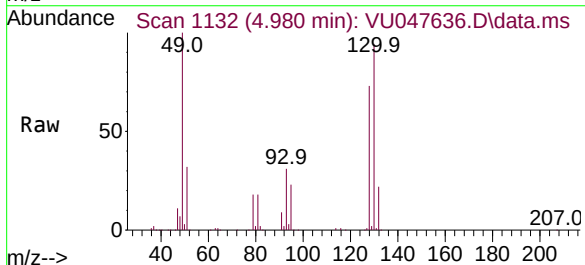
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

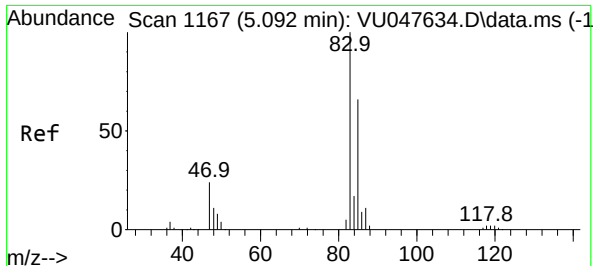
Tgt Ion: 43 Resp: 1268108
Ion Ratio Lower Upper
43 100
72 30.8 16.0 47.9



#23
Bromochloromethane
Concen: 250.387 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. 0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion:128 Resp: 374181
Ion Ratio Lower Upper
128 100
49 137.1 94.1 174.8
130 128.9 90.2 167.4
51 44.1 35.8 53.6

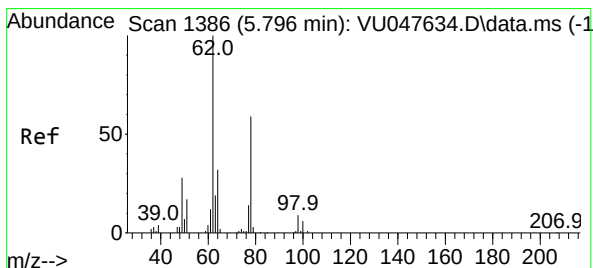
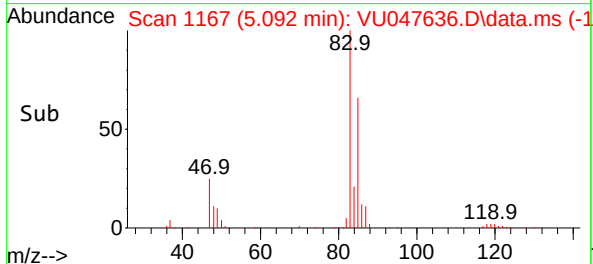
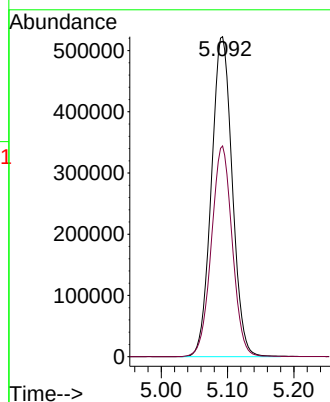
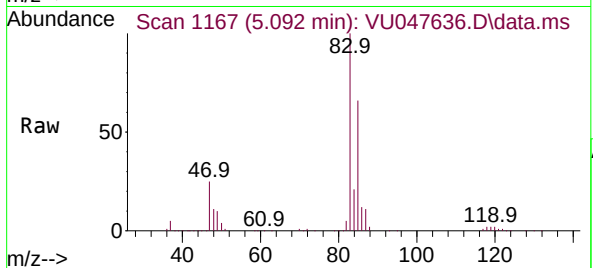




#25
Chloroform
Concen: 214.056 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

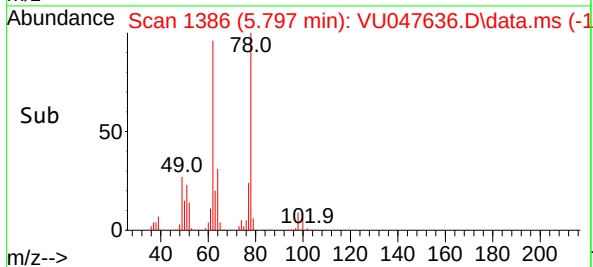
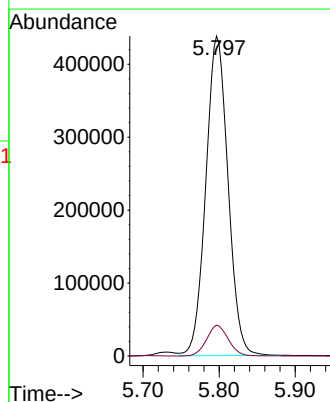
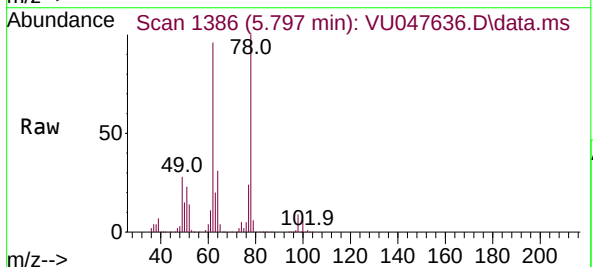
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

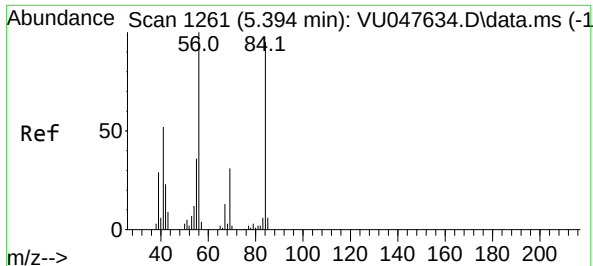
Tgt Ion: 83 Resp: 1143004
Ion Ratio Lower Upper
83 100
85 65.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 223.968 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion: 62 Resp: 888066
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.0





#29

Cyclohexane

Concen: 221.194 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD200053

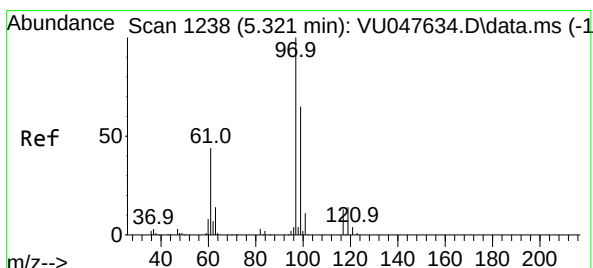
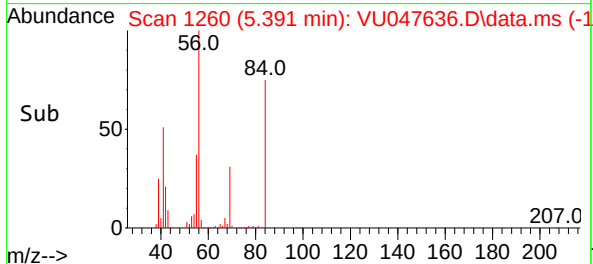
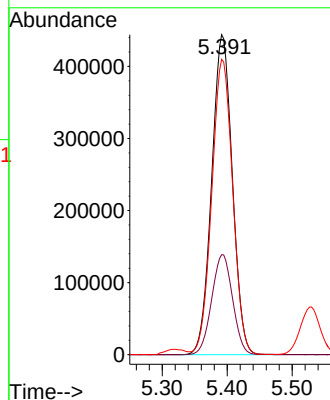
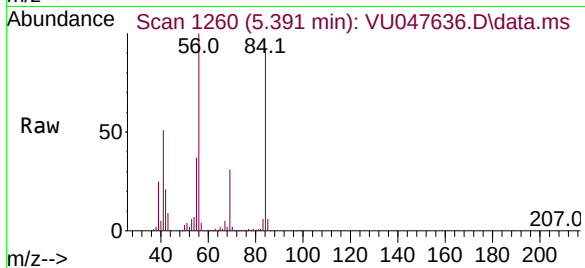
Tgt Ion: 56 Resp: 980151

Ion Ratio Lower Upper

56 100

69 31.6 25.4 38.2

84 93.4 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 209.721 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

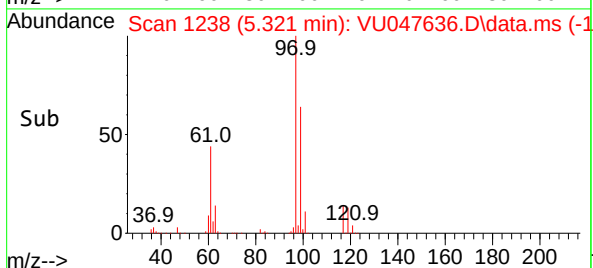
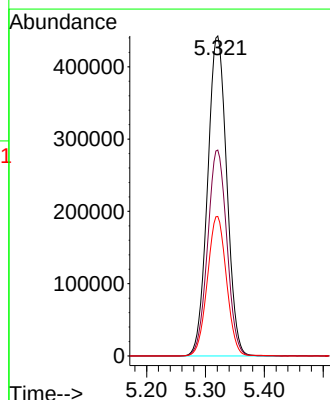
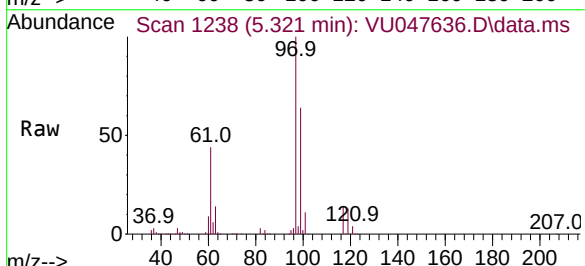
Tgt Ion: 97 Resp: 1001314

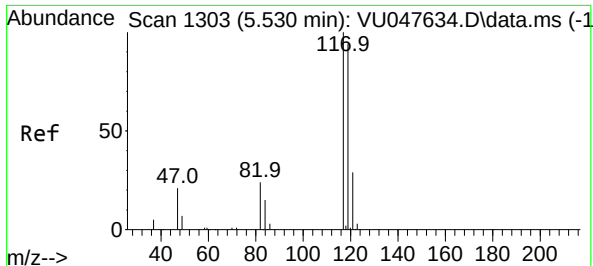
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 43.4 34.2 51.4

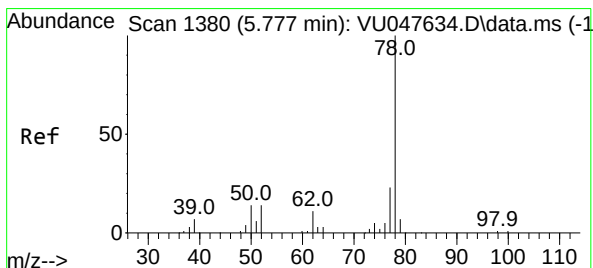
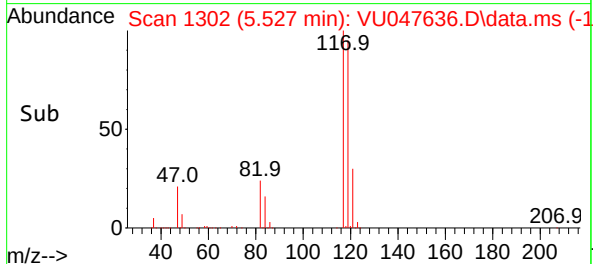
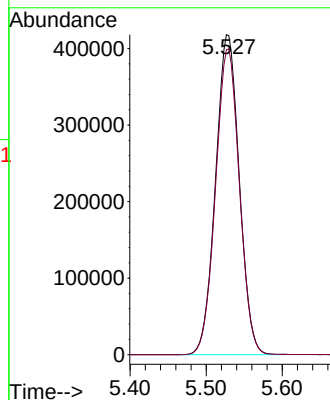
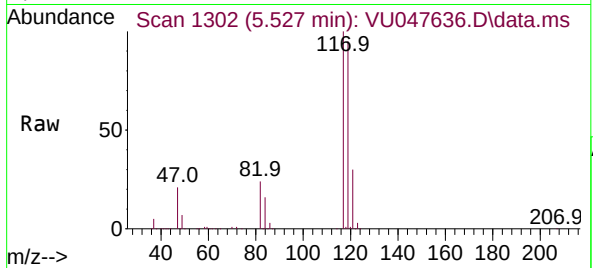




#31
Carbon tetrachloride
Concen: 221.536 ug/L
RT: 5.527 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

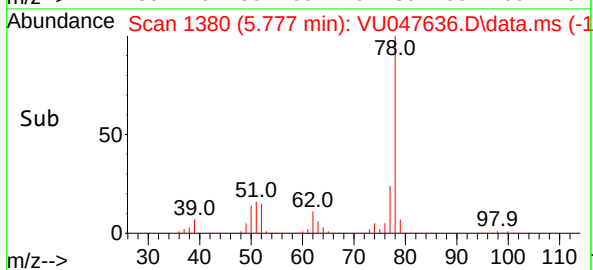
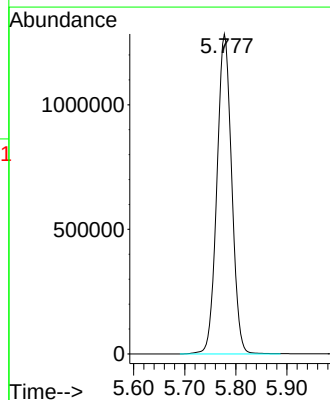
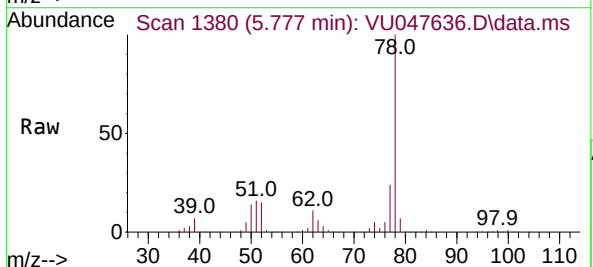
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

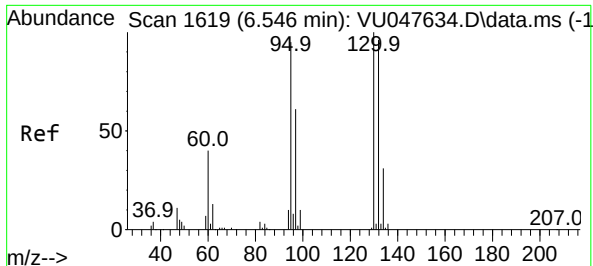
Tgt Ion:117 Resp: 905765
Ion Ratio Lower Upper
117 100
119 95.8 77.2 115.8



#33
Benzene
Concen: 217.745 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion: 78 Resp: 2577513

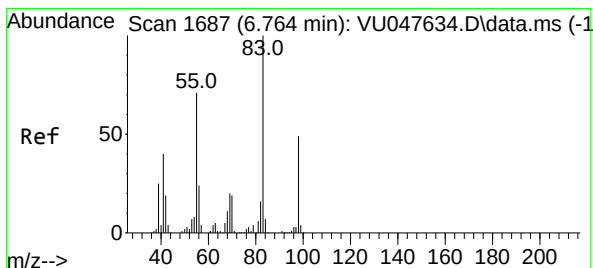
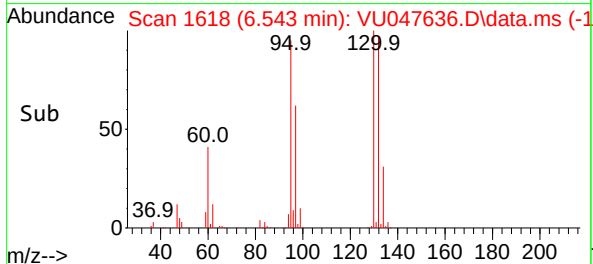
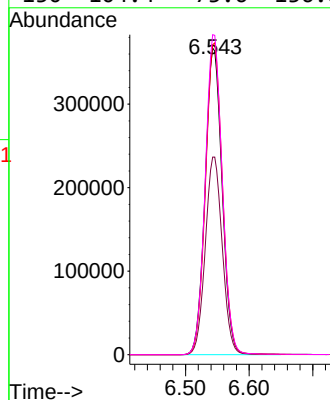
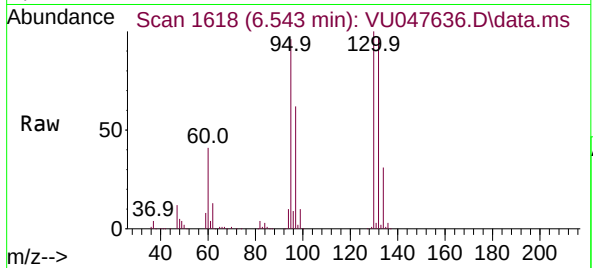




#34
Trichloroethene
Concen: 219.226 ug/L
RT: 6.543 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

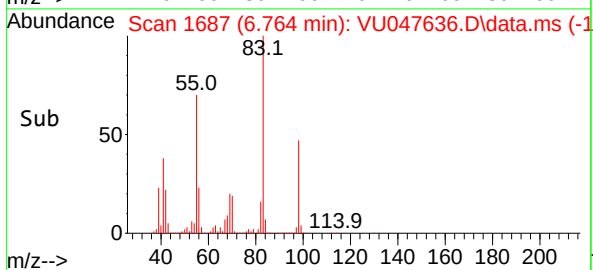
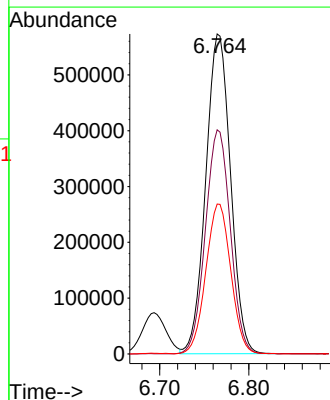
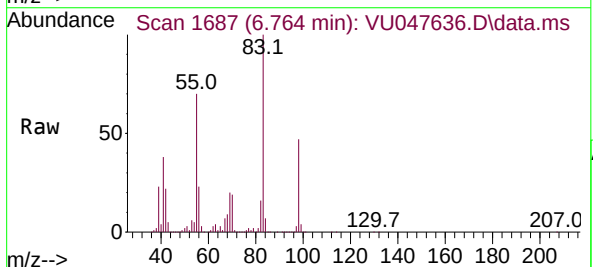
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

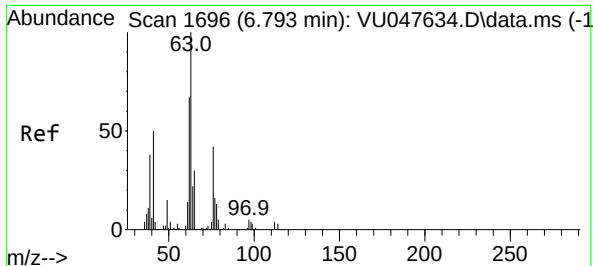
Tgt Ion: 95 Resp: 680736
Ion Ratio Lower Upper
95 100
97 64.4 44.7 82.9
132 101.1 70.4 130.8
130 104.4 73.6 136.8



#35
Methylcyclohexane
Concen: 234.218 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion: 83 Resp: 1108192
Ion Ratio Lower Upper
83 100
55 70.4 56.8 85.2
98 47.2 38.1 57.1





#37

1,2-Dichloropropane

Concen: 215.288 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

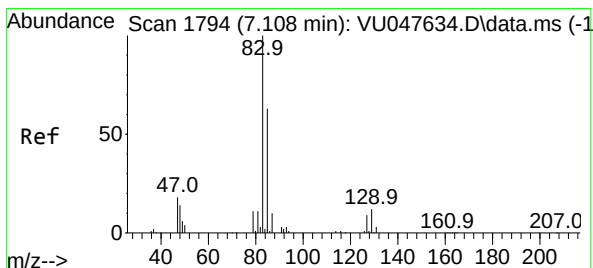
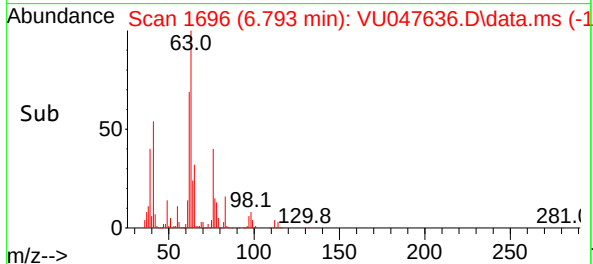
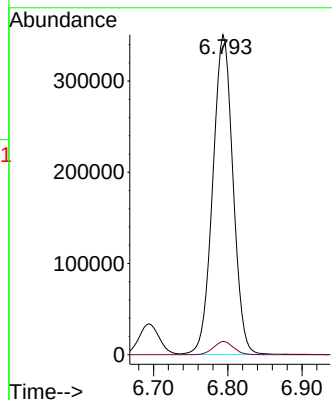
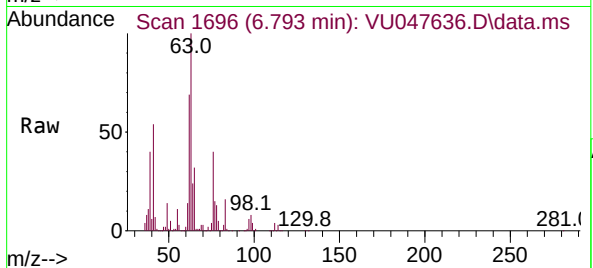
VSTD200053

Tgt Ion: 63 Resp: 664175

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 219.864 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

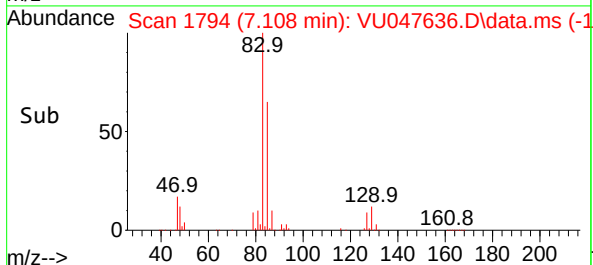
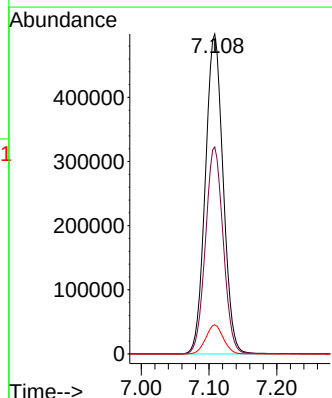
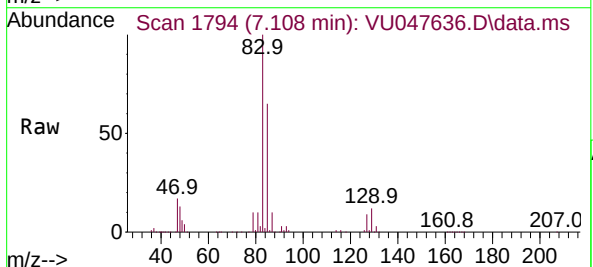
Tgt Ion: 83 Resp: 907672

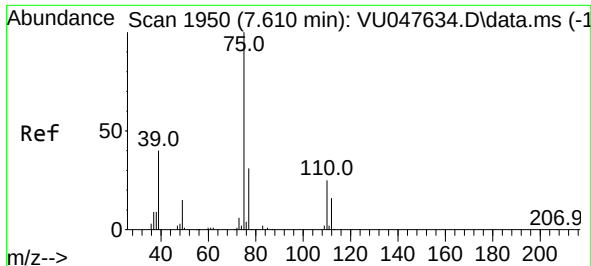
Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.4

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 240.861 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

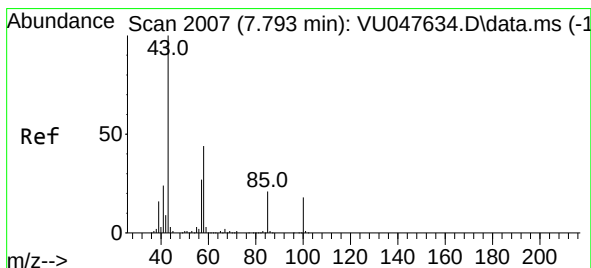
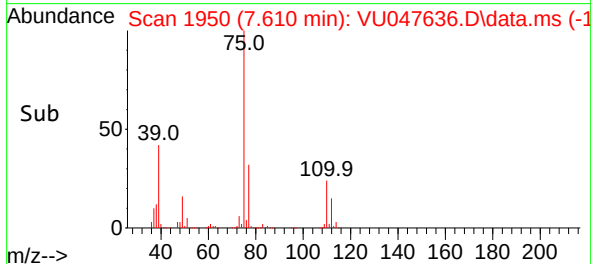
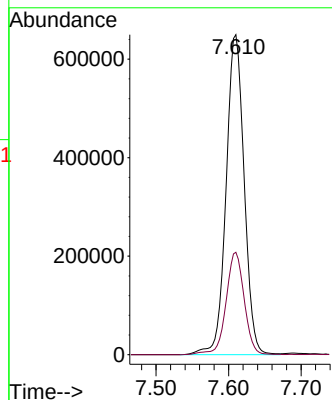
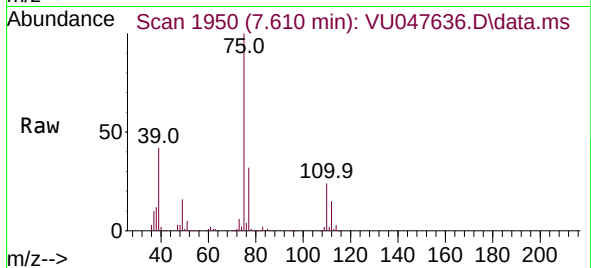
VSTD200053

Tgt Ion: 75 Resp: 1125836

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 519.636 ug/L

RT: 7.800 min Scan# 2009

Delta R.T. 0.007 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

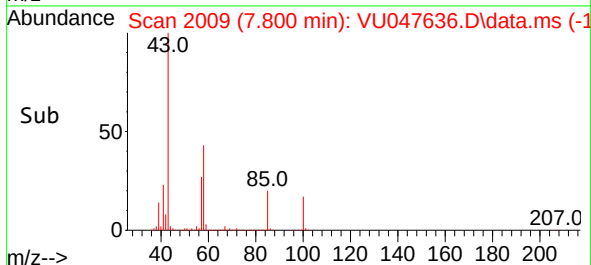
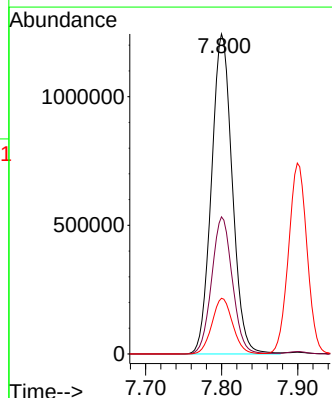
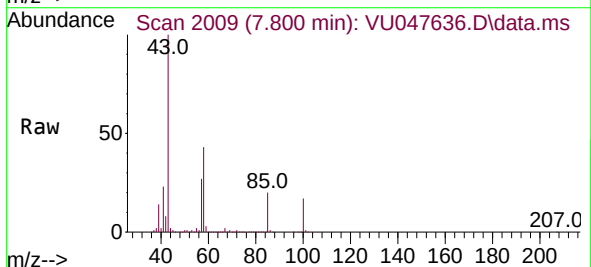
Tgt Ion: 43 Resp: 2358893

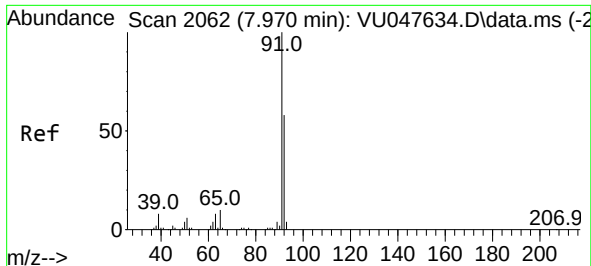
Ion Ratio Lower Upper

43 100

58 42.8 34.7 52.1

100 17.3 14.2 21.2





#42

Toluene

Concen: 230.735 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

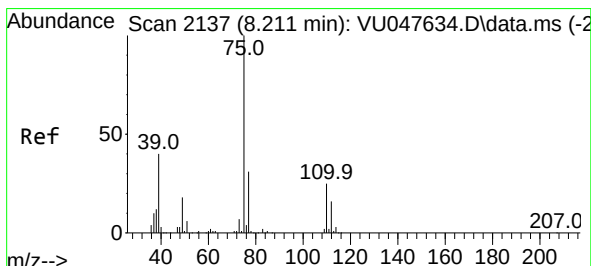
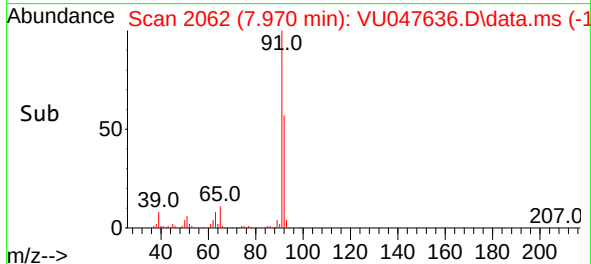
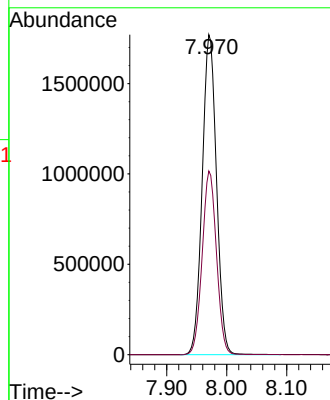
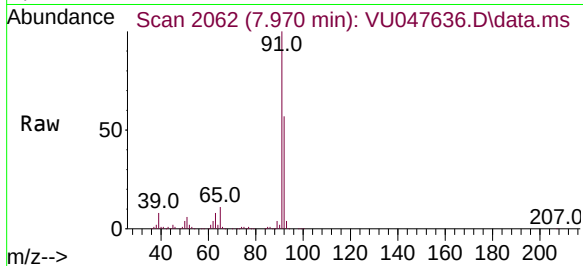
VSTD200053

Tgt Ion: 91 Resp: 2938005

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 245.681 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU047636.D

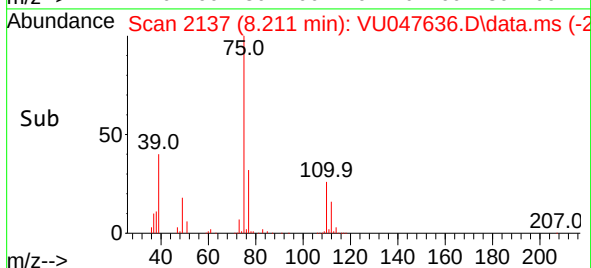
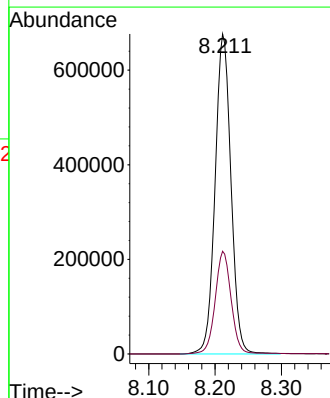
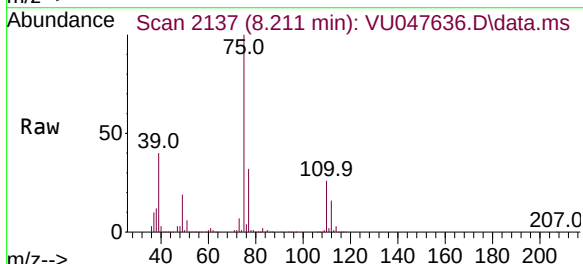
Acq: 24 Mar 2022 14:49

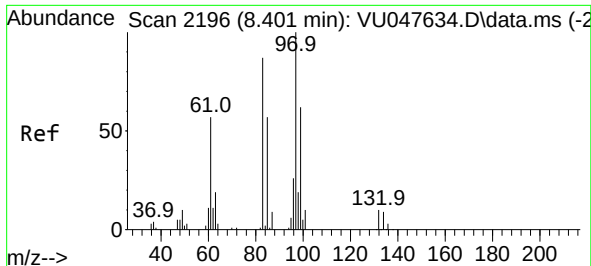
Tgt Ion: 75 Resp: 1125412

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8

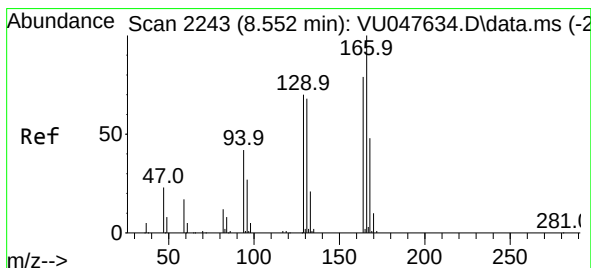
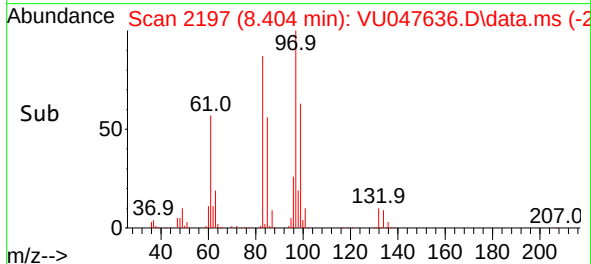
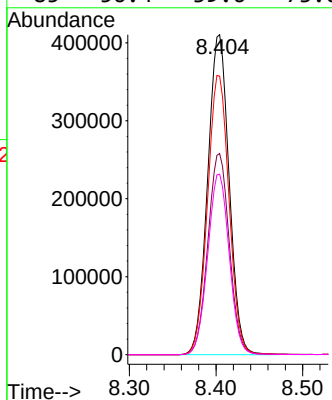
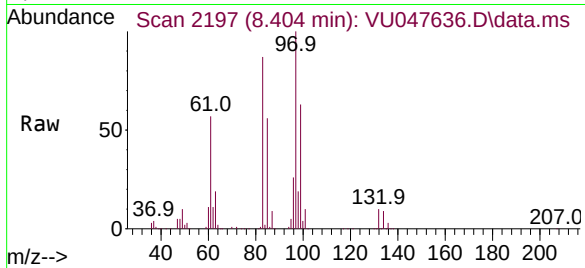




#45
1,1,2-Trichloroethane
Concen: 225.613 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

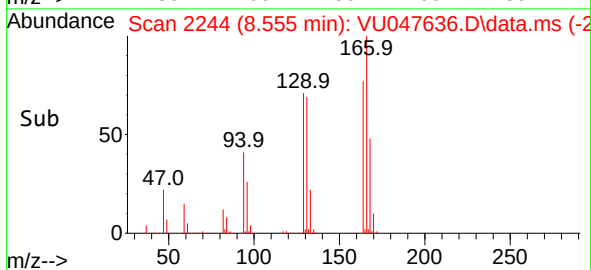
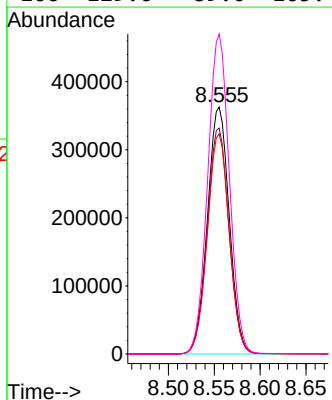
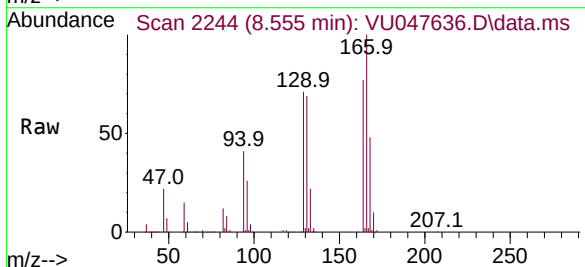
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

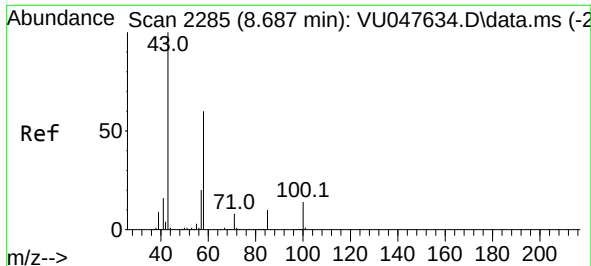
Tgt Ion:	97	Resp:	707106
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.3	80.3
83	87.1	61.0	113.4
85	56.4	39.6	73.6



#46
Tetrachloroethene
Concen: 254.631 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion:	164	Resp:	602208
Ion	Ratio	Lower	Upper
164	100		
129	91.5	62.4	116.0
131	89.1	60.7	112.7
166	129.6	89.0	165.4

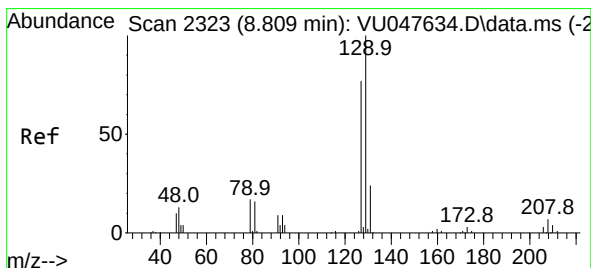
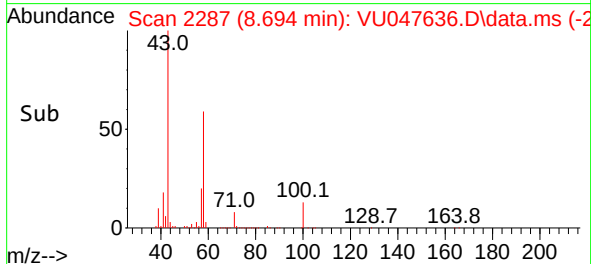
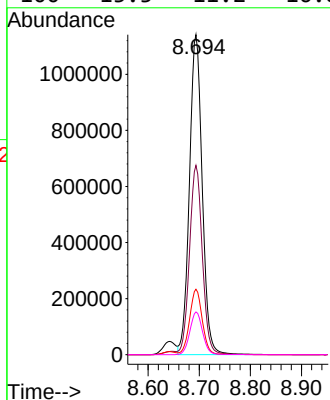
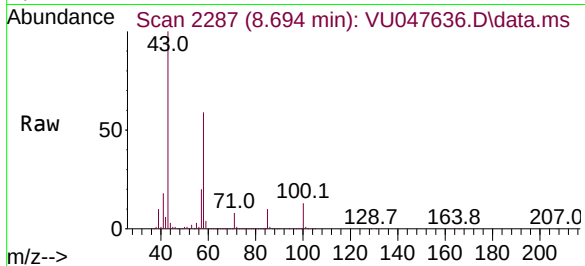




#48
2-Hexanone
Concen: 492.608 ug/L
RT: 8.694 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

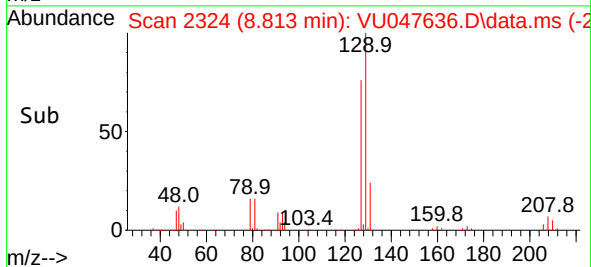
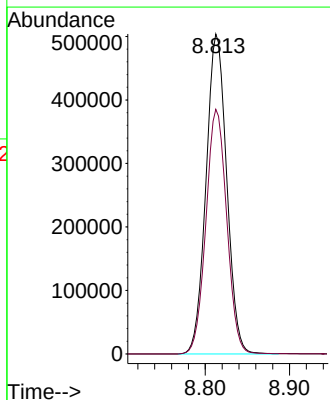
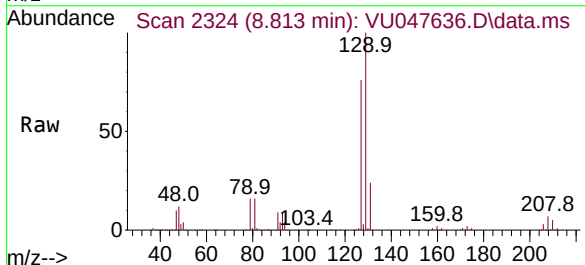
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

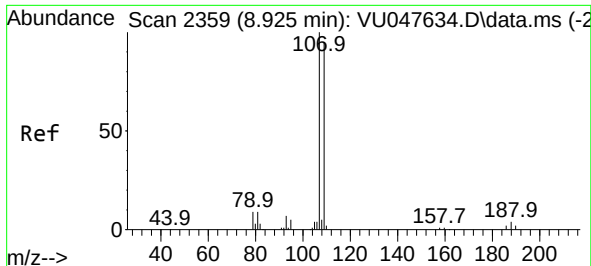
Tgt Ion: 43 Resp: 1979006
Ion Ratio Lower Upper
43 100
58 59.2 48.1 72.1
57 20.3 16.2 24.4
100 13.3 11.2 16.8



#49
Dibromochloromethane
Concen: 258.676 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion: 129 Resp: 859275
Ion Ratio Lower Upper
129 100
127 76.4 54.2 100.6

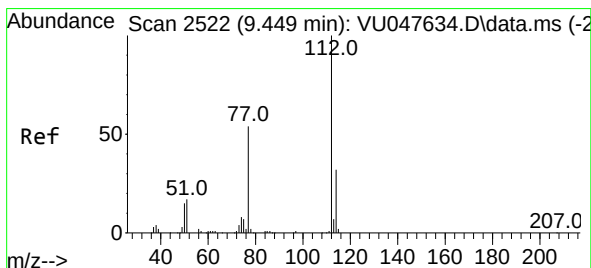
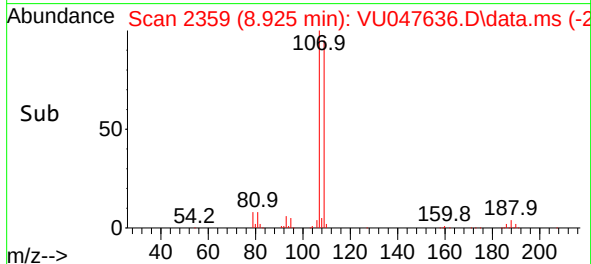
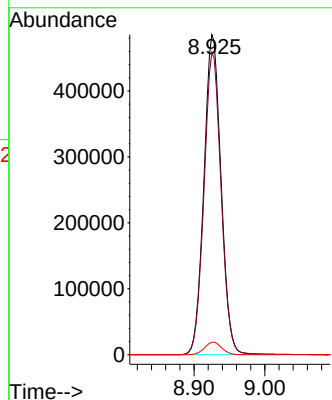
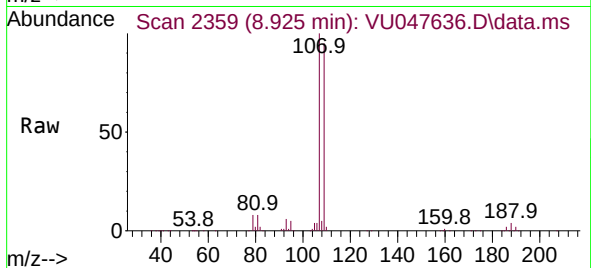




#50
1,2-Dibromoethane
Concen: 240.385 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

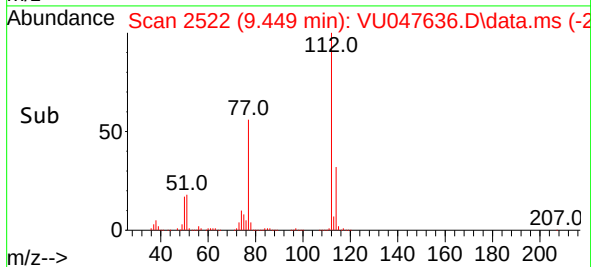
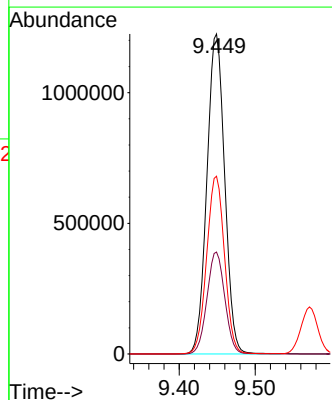
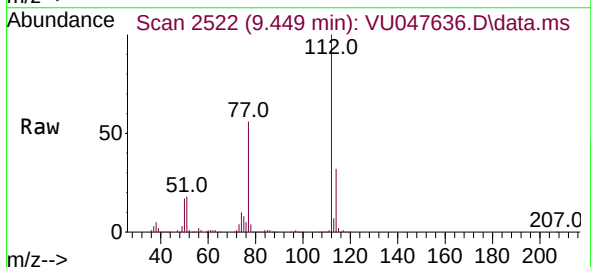
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

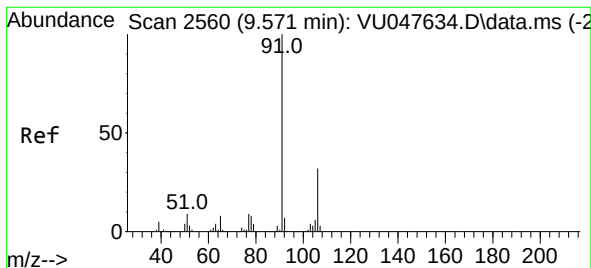
Tgt Ion:107 Resp: 815532
Ion Ratio Lower Upper
107 100
109 94.5 66.6 123.6
188 3.9 3.4 5.2



#51
Chlorobenzene
Concen: 240.575 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion:112 Resp: 1990582
Ion Ratio Lower Upper
112 100
114 31.9 22.1 41.1
77 55.5 43.4 65.0





#52

Ethylbenzene

Concen: 244.743 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

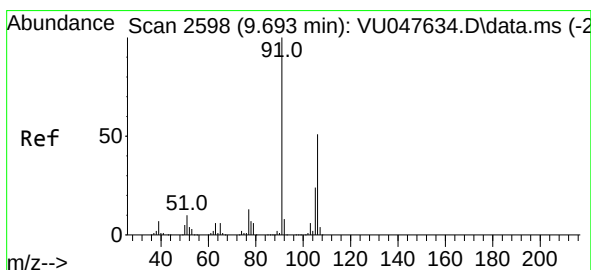
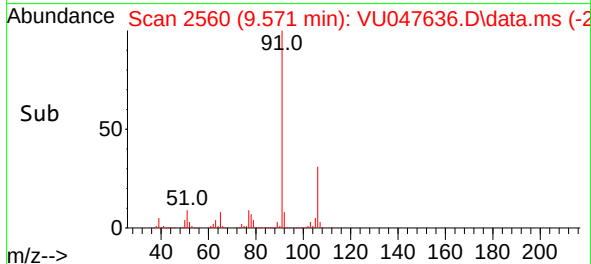
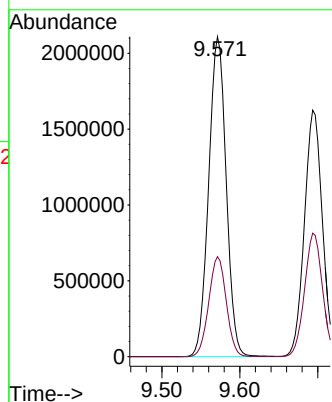
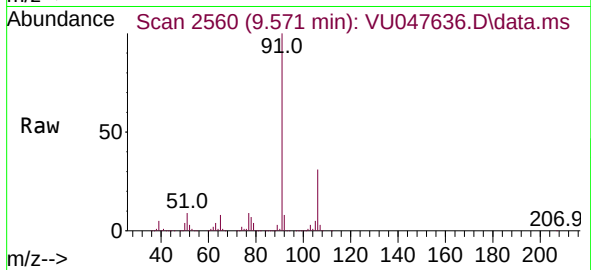
VSTD200053

Tgt Ion: 91 Resp: 3295440

Ion Ratio Lower Upper

91 100

106 31.3 22.4 41.6



#53

m,p-Xylene

Concen: 246.424 ug/L

RT: 9.694 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU047636.D

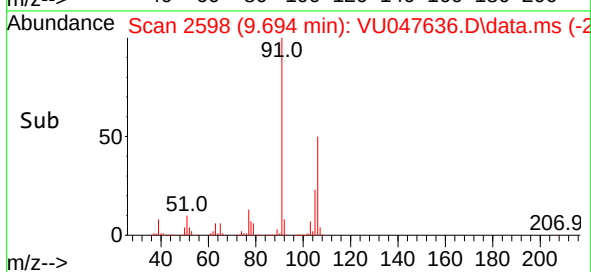
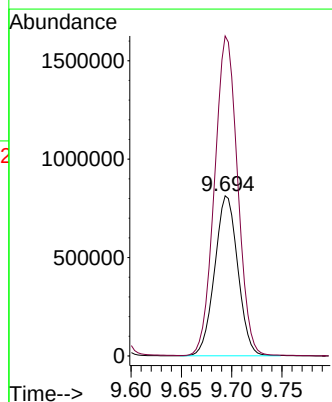
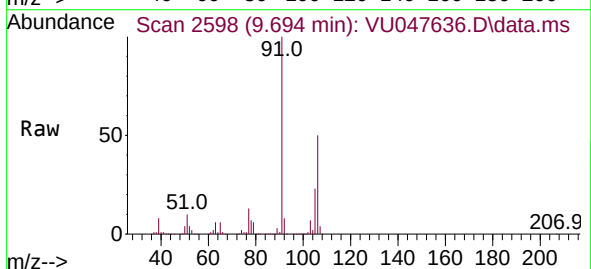
Acq: 24 Mar 2022 14:49

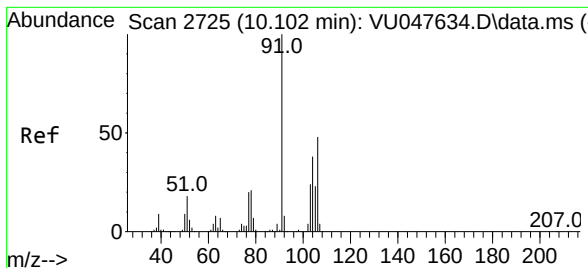
Tgt Ion:106 Resp: 1300383

Ion Ratio Lower Upper

106 100

91 199.7 137.7 255.7

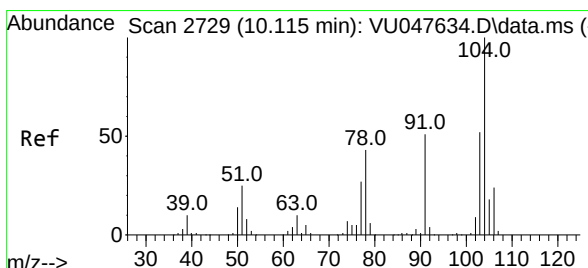
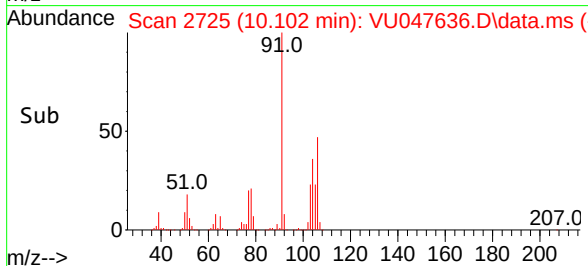
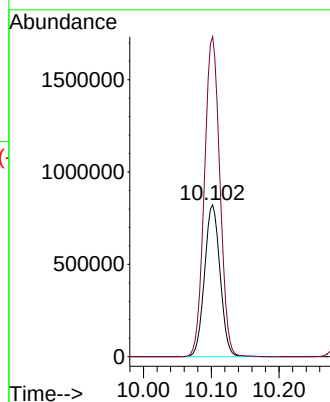
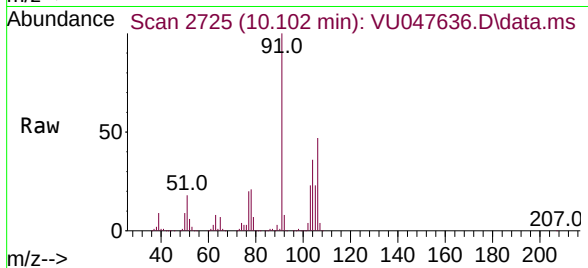




#54
o-Xylene
Concen: 253.673 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

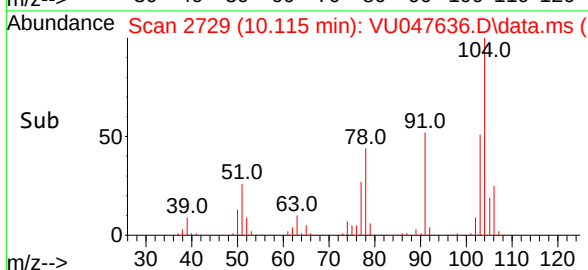
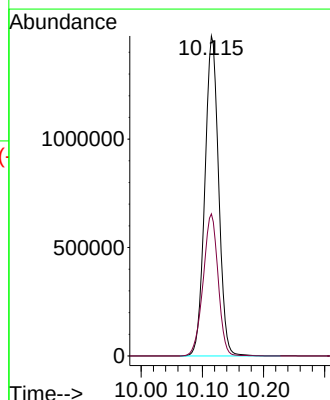
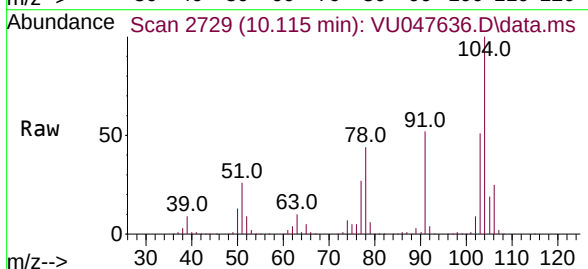
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

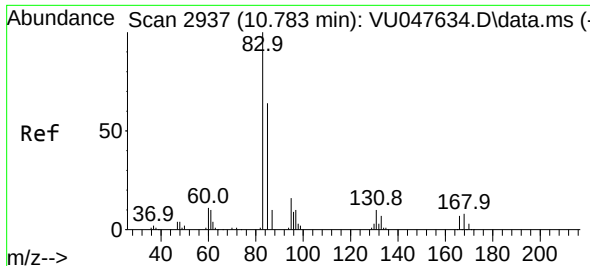
Tgt Ion:106 Resp: 1305383
Ion Ratio Lower Upper
106 100
91 210.7 146.7 272.5



#55
Styrene
Concen: 264.014 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion:104 Resp: 2309517
Ion Ratio Lower Upper
104 100
78 44.4 30.4 56.4

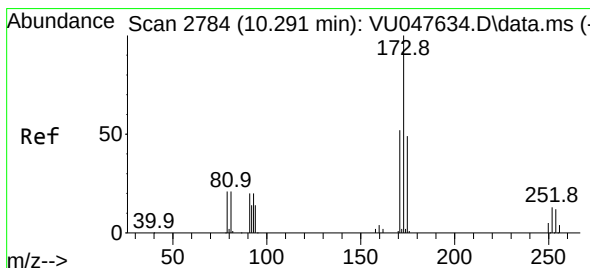
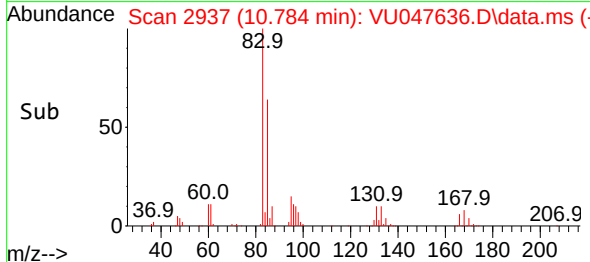
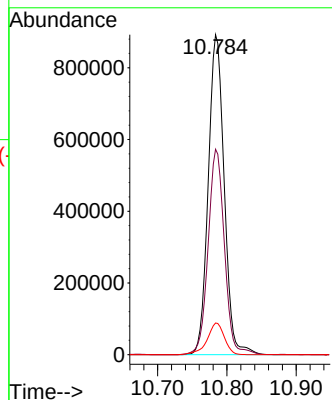
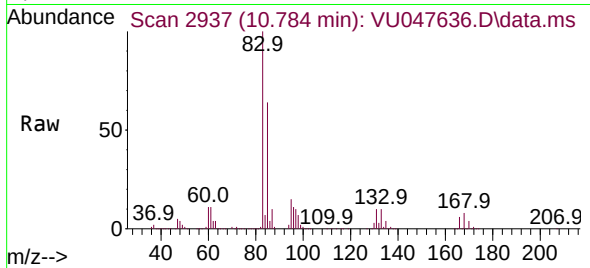




#57
1,1,2-Tetrachloroethane
Concen: 260.713 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

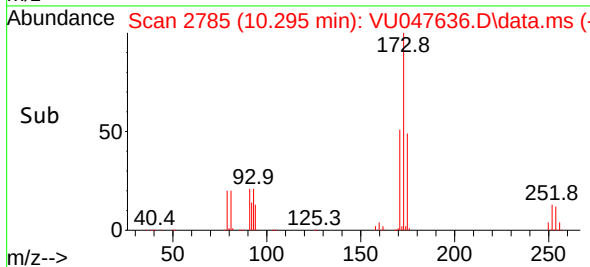
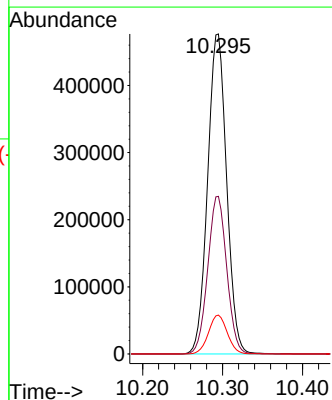
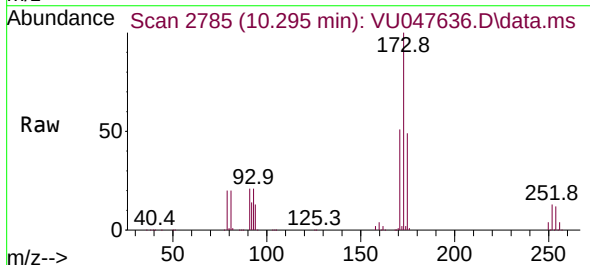
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

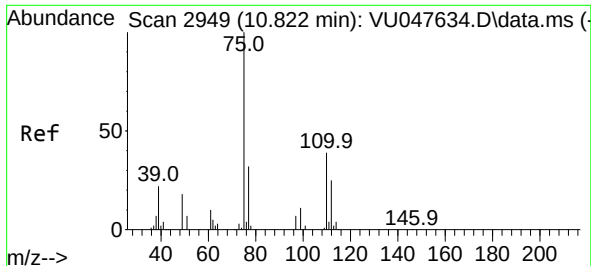
Tgt Ion: 83 Resp: 1423880
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.3
131 9.9 8.6 13.0



#59
Bromoform
Concen: 259.356 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion:173 Resp: 787129
Ion Ratio Lower Upper
173 100
175 49.2 38.7 58.1
254 12.0 9.6 14.4

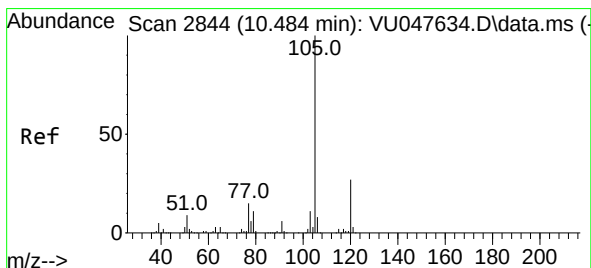
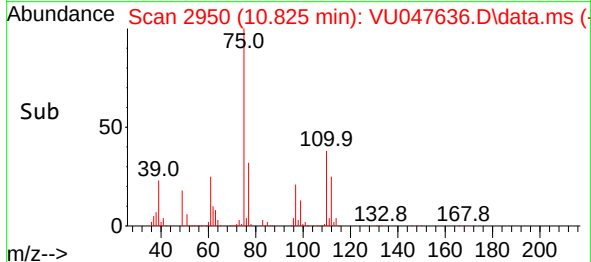
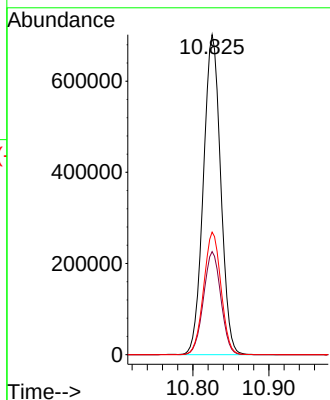
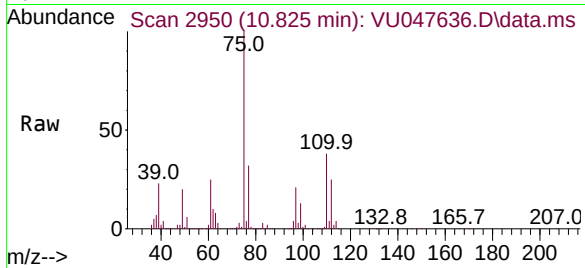




#60
1,2,3-Trichloropropane
Concen: 202.503 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

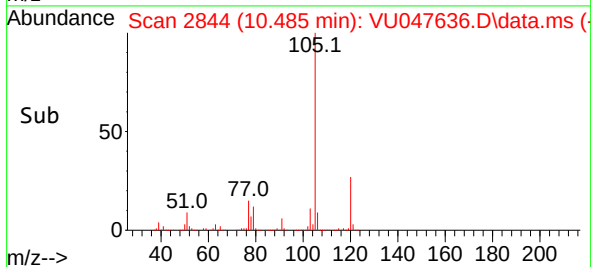
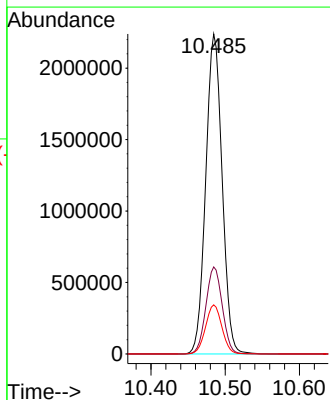
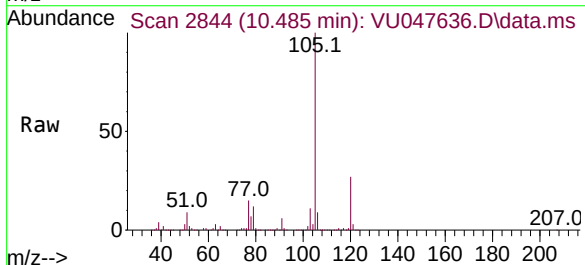
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

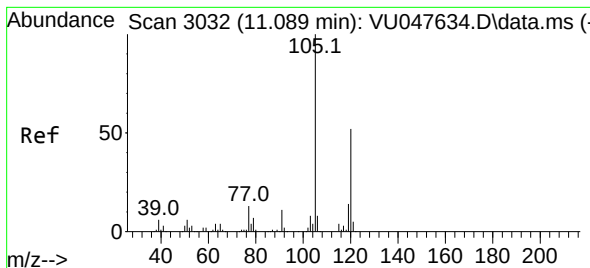
Tgt Ion: 75 Resp: 1108482
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 38.4 31.4 47.2



#61
Isopropylbenzene
Concen: 215.132 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion:105 Resp: 3419731
Ion Ratio Lower Upper
105 100
120 27.2 21.9 32.9
77 15.3 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 158.584 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

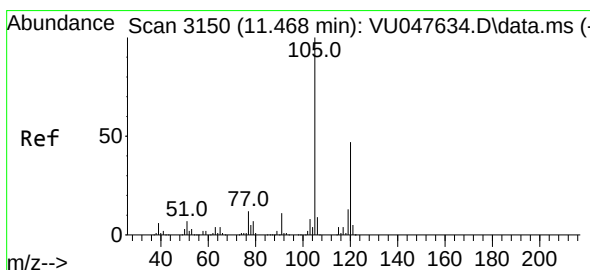
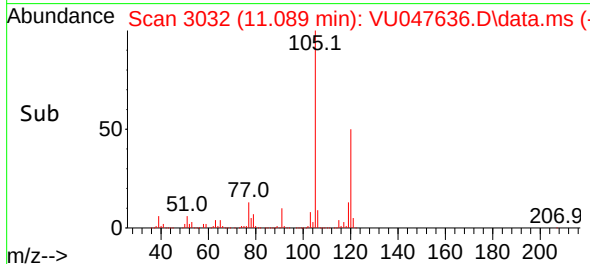
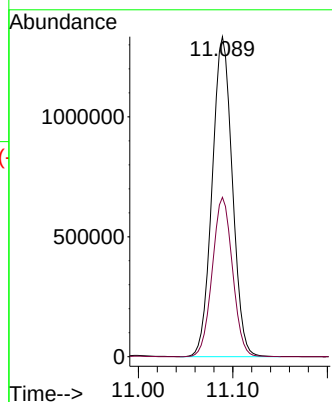
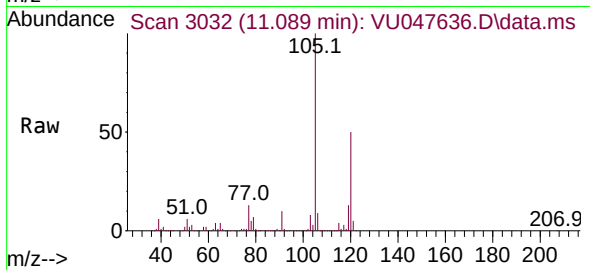
VSTD200053

Tgt Ion:105 Resp: 1975282

Ion Ratio Lower Upper

105 100

120 50.0 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 232.083 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU047636.D

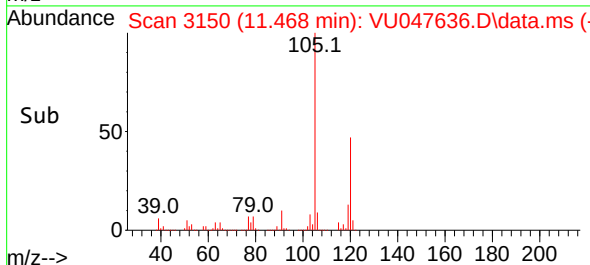
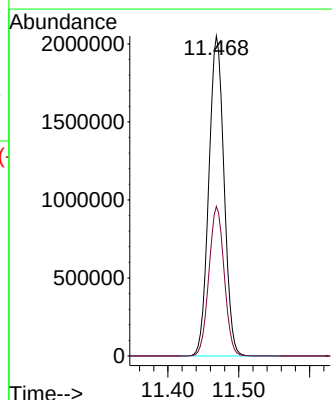
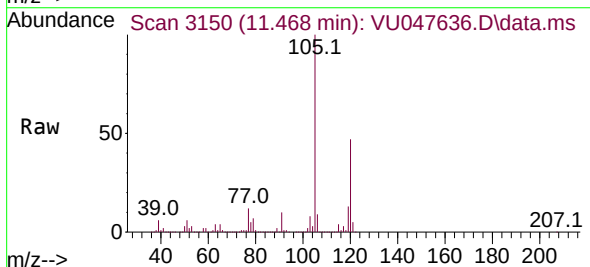
Acq: 24 Mar 2022 14:49

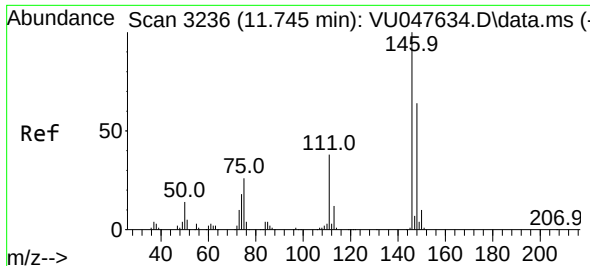
Tgt Ion:105 Resp: 3053720

Ion Ratio Lower Upper

105 100

120 46.9 37.6 56.4

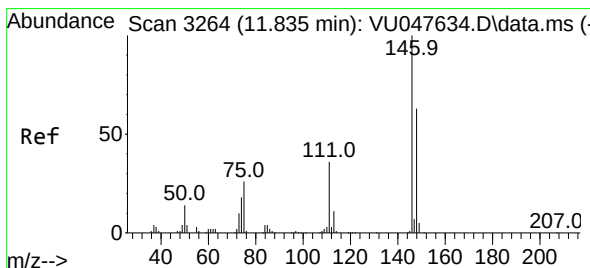
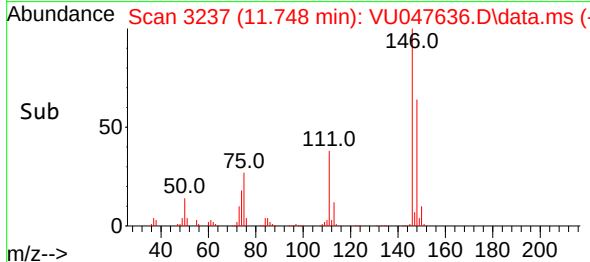
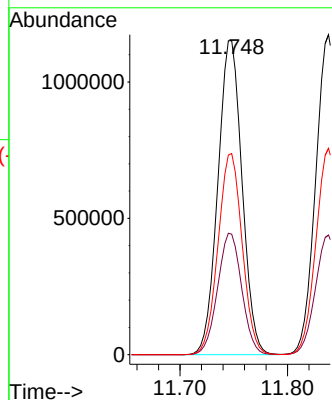
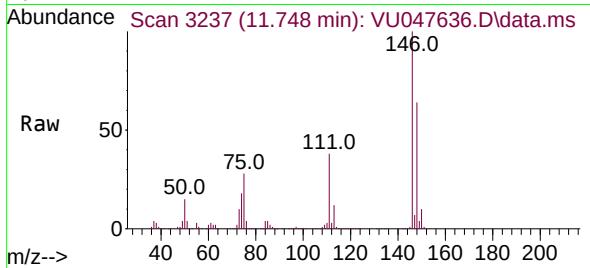




#64
1,3-Dichlorobenzene
Concen: 231.757 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

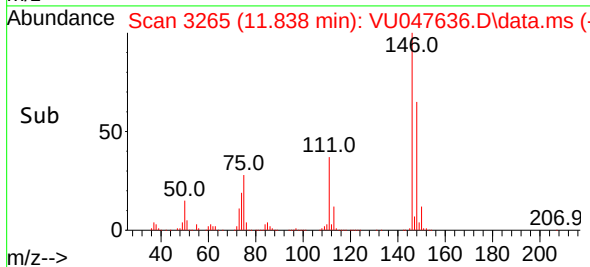
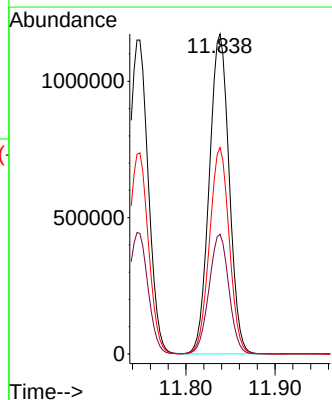
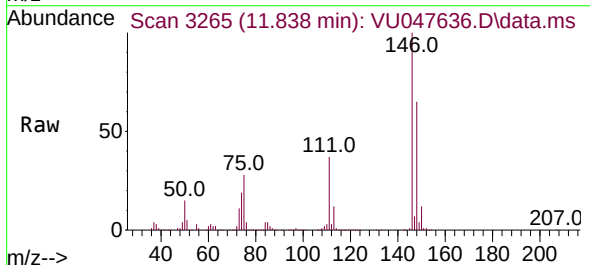
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

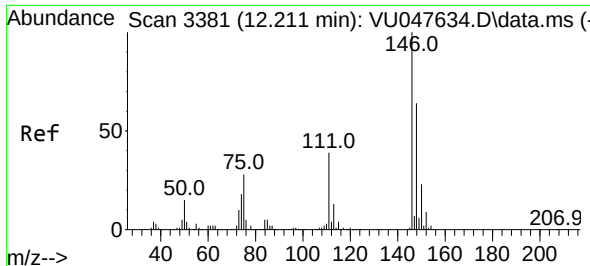
Tgt Ion:146 Resp: 1801701
Ion Ratio Lower Upper
146 100
111 38.4 26.7 49.7
148 64.0 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 225.602 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion:146 Resp: 1814673
Ion Ratio Lower Upper
146 100
111 37.4 25.3 47.1
148 64.5 44.5 82.7

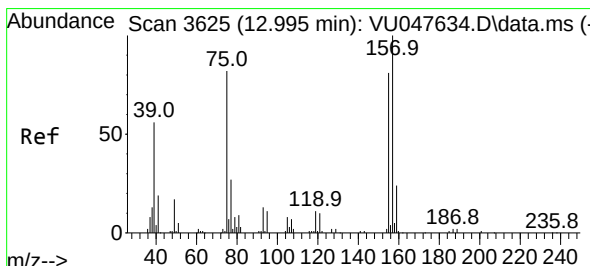
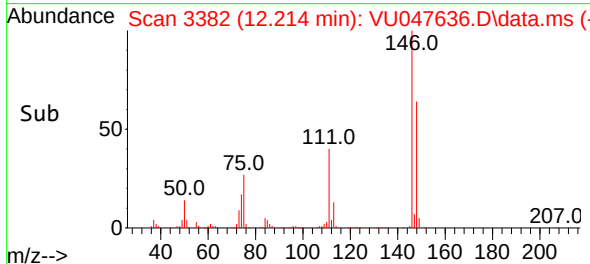
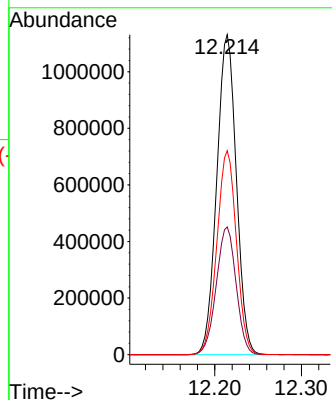
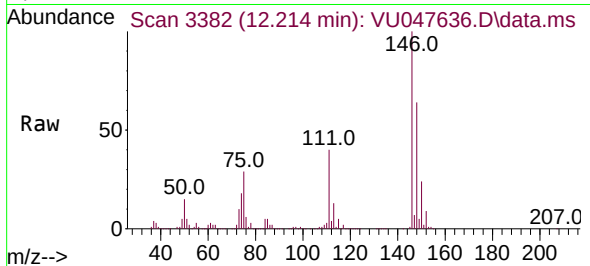




#67
1,2-Dichlorobenzene
Concen: 226.061 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

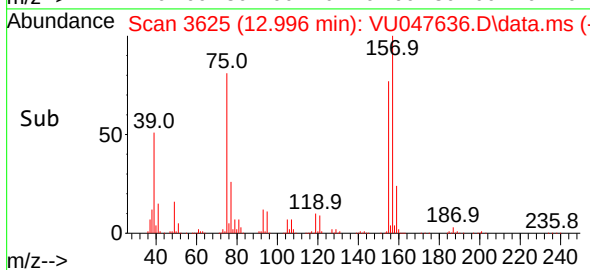
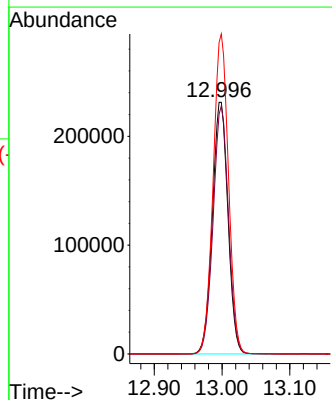
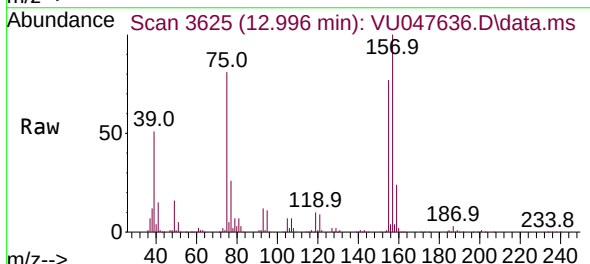
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

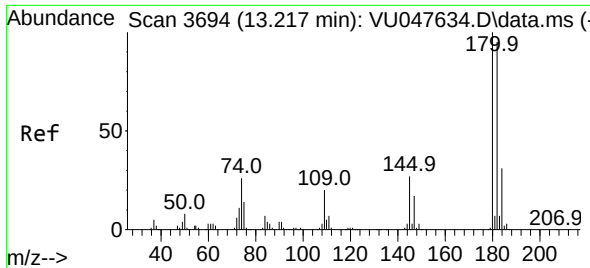
Tgt Ion:146 Resp: 1775147
Ion Ratio Lower Upper
146 100
111 39.9 31.7 47.5
148 63.7 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 246.449 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU047636.D
Acq: 24 Mar 2022 14:49

Tgt Ion: 75 Resp: 369648
Ion Ratio Lower Upper
75 100
155 95.2 78.9 118.3
157 123.8 97.5 146.3

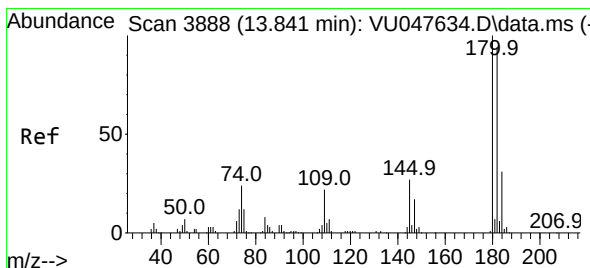
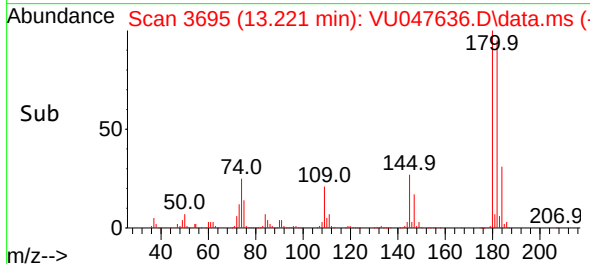
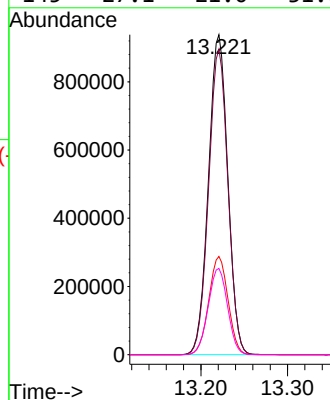
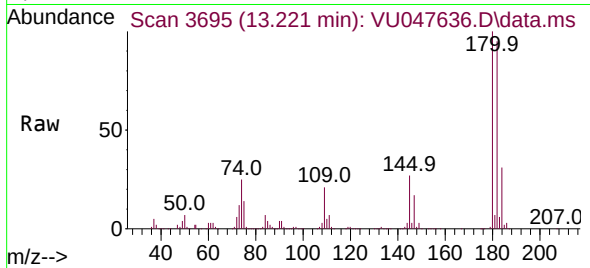




#69
 1,3,5-Trichlorobenzene
 Concen: 253.216 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU047636.D
 Acq: 24 Mar 2022 14:49

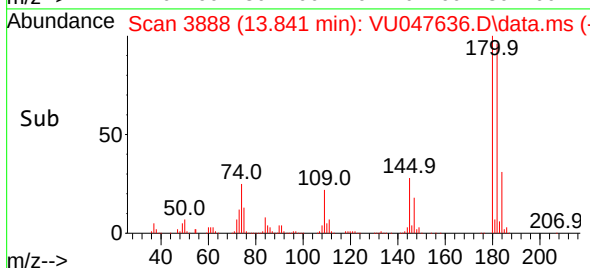
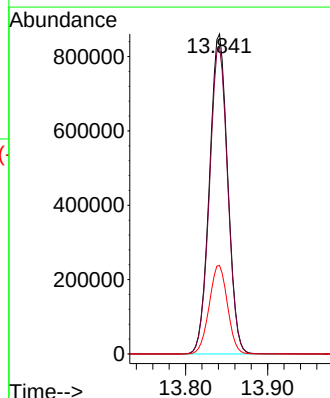
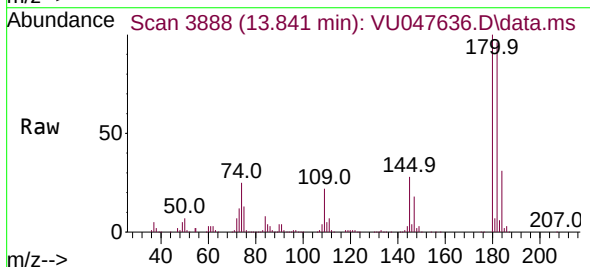
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200053

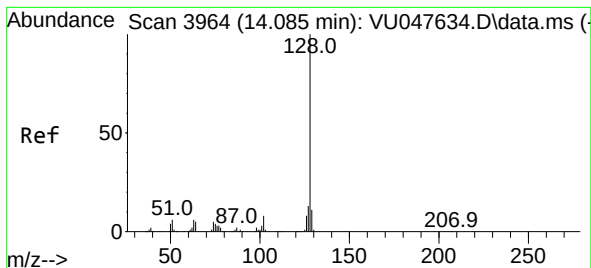
Tgt Ion:180 Resp: 1454894
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.0 115.6
 184 30.7 24.5 36.7
 145 27.1 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 260.518 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047636.D
 Acq: 24 Mar 2022 14:49

Tgt Ion:180 Resp: 1327082
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.2 114.2
 145 27.7 21.8 32.8





#71

Naphthalene

Concen: 249.477 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD200053

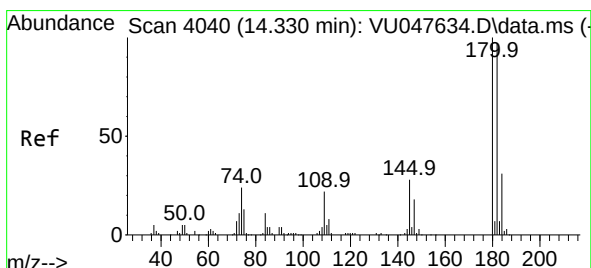
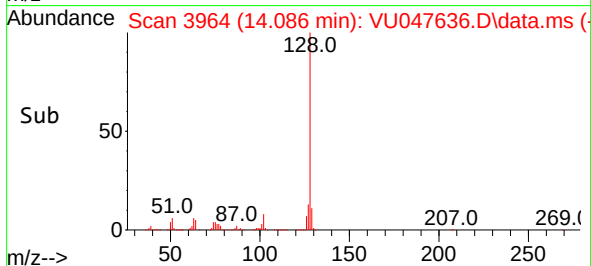
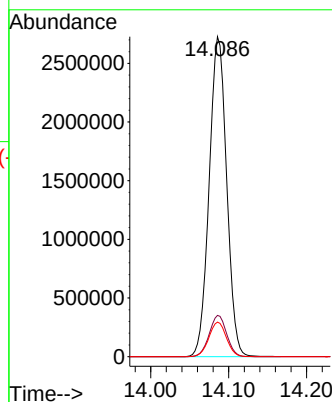
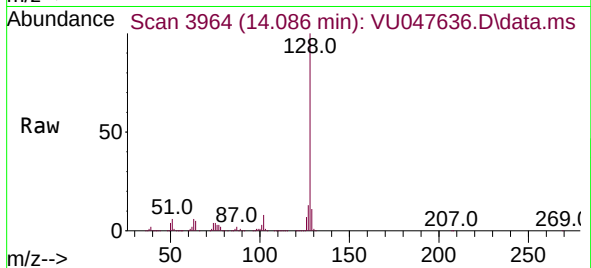
Tgt Ion:128 Resp: 4250045

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 252.761 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU047636.D

Acq: 24 Mar 2022 14:49

Tgt Ion:180 Resp: 1304084

Ion Ratio Lower Upper

180 100

182 95.8 77.4 116.0

145 29.5 22.8 34.2

