

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U022222\
 Data File : U047235.D
 Acq On : 22 Feb 2022 16:36
 Operator : SY/MD
 Sample : N1621-02MS 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 23 03:40:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 18 00:54:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	361860	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	352260	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	205490	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	150697	45.854	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.700%
7) Chloroethane-d5	1.919	69	127197	52.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.420%
11) 1,1-Dichloroethene-d2	2.575	63	258160	47.402	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.800%
21) 2-Butanone-d5	4.629	46	260348	102.145	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.140%
24) Chloroform-d	5.067	84	261351	48.986	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.980%
26) 1,2-Dichloroethane-d4	5.703	65	161970	47.299	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.600%
32) Benzene-d6	5.732	84	532170	45.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.880%
36) 1,2-Dichloropropane-d6	6.694	67	167440	44.088	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.180%
41) Toluene-d8	7.899	98	508313	45.587	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.180%
43) trans-1,3-Dichloroprop...	8.179	79	85705	43.062	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.120%
47) 2-Hexanone-d5	8.633	63	214671	98.664	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.660%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	258425	46.666	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	205473	42.161	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	156478	46.410	ug/L	99
3) Chloromethane	1.527	50	164866	49.414	ug/L	100
5) Vinyl chloride	1.607	62	157730	46.912	ug/L	100
6) Bromomethane	1.864	94	81783	41.816	ug/L	97
8) Chloroethane	1.938	64	102721	52.994	ug/L	94
9) Trichlorofluoromethane	2.144	101	206026	52.915	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	118403	49.369	ug/L	95
12) 1,1-Dichloroethene	2.585	96	112527	47.821	ug/L	88
13) Acetone	2.646	43	160077	86.215	ug/L	96
14) Carbon disulfide	2.800	76	330498	44.751	ug/L	100
15) Methyl Acetate	2.954	43	163507	52.330	ug/L	96
16) Methylene chloride	3.051	84	143110	54.961	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	122113	49.394	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	392357	46.930	ug/L	97
19) 1,1-Dichloroethane	3.874	63	226219	48.723	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	140575	51.407	ug/L	100
22) 2-Butanone	4.713	43	257792	103.479	ug/L	98
23) Bromochloromethane	4.980	128	73587	50.742	ug/L	96
25) Chloroform	5.092	83	236336	51.964	ug/L	100

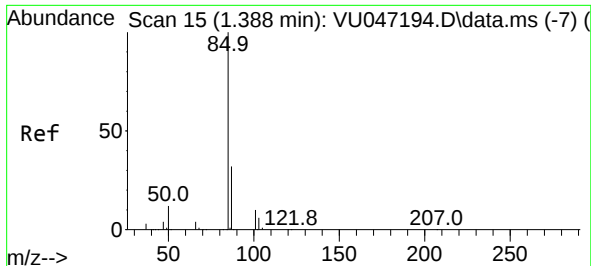
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022222\
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 Quant Title : VOC Analysis
 QLast Update : Fri Feb 18 00:54:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	184479	51.048	ug/L	100
29) Cyclohexane	5.391	56	203065	43.985	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	204266	48.412	ug/L	99
31) Carbon tetrachloride	5.530	117	175814	48.060	ug/L	99
33) Benzene	5.777	78	524610	47.748	ug/L	100
34) Trichloroethene	6.543	95	134806	47.234	ug/L	99
35) Methylcyclohexane	6.764	83	214920	44.881	ug/L	98
37) 1,2-Dichloropropane	6.793	63	135749	46.126	ug/L	98
38) Bromodichloromethane	7.108	83	181640	48.424	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	223170	46.658	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	458880	98.462	ug/L	96
42) Toluene	7.970	91	575069	47.653	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	214943	46.769	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	134716	48.601	ug/L	98
46) Tetrachloroethene	8.555	164	110165	47.984	ug/L	97
48) 2-Hexanone	8.684	43	367159	95.263	ug/L	98
49) Dibromochloromethane	8.813	129	149388	46.582	ug/L	99
50) 1,2-Dibromoethane	8.925	107	150561	48.898	ug/L	98
51) Chlorobenzene	9.446	112	364000	47.041	ug/L	100
52) Ethylbenzene	9.571	91	619494	46.905	ug/L	100
53) m,p-Xylene	9.694	106	241411	46.070	ug/L	98
54) o-xylene	10.102	106	234215	45.395	ug/L	98
55) Styrene	10.115	104	405862	45.717	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.784	83	254779	52.138	ug/L	99
59) Bromoform	10.292	173	119158	42.713	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	199972	45.651	ug/L	97
61) Isopropylbenzene	10.485	105	617436	42.743	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	432953	42.290	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	537925	43.277	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	300694	44.611	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	305794	45.132	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	302860	45.151	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	70885	50.791	ug/L	85
69) 1,3,5-Trichlorobenzene	13.218	180	250414	48.040	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	235909	47.743	ug/L	98
71) Naphthalene	14.086	128	832346	47.582	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	234942	47.753	ug/L	98

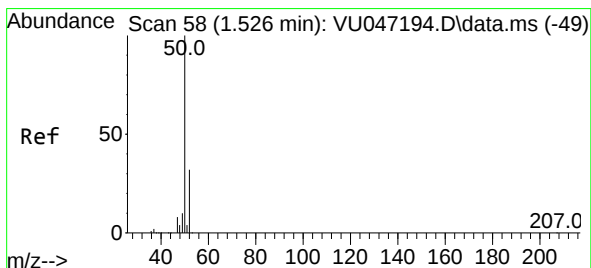
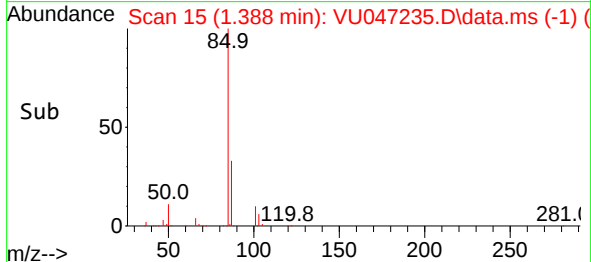
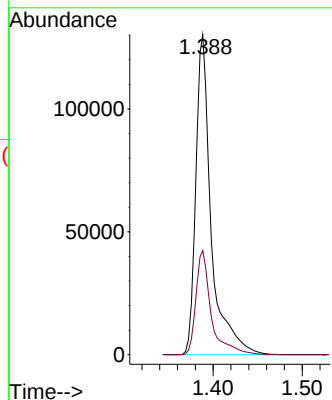
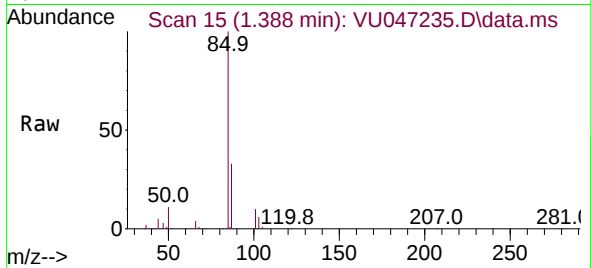
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 46.410 ug/L
 RT: 1.388 min Scan# 15
 Delta R.T. 0.000 min
 Lab File: VU047235.D
 Acq: 22 Feb 2022 16:36

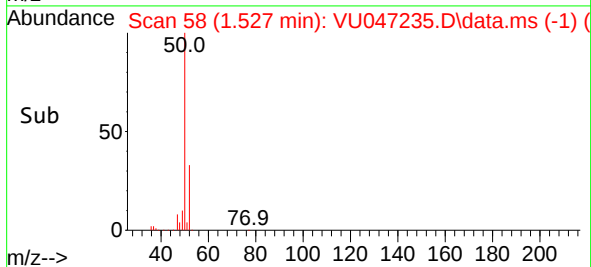
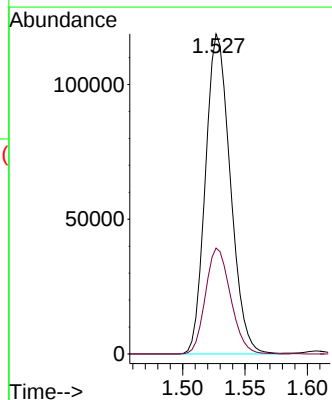
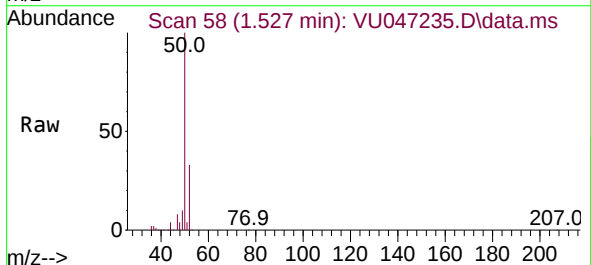
Instrument :
 MSVOA_U
 ClientSampleId :

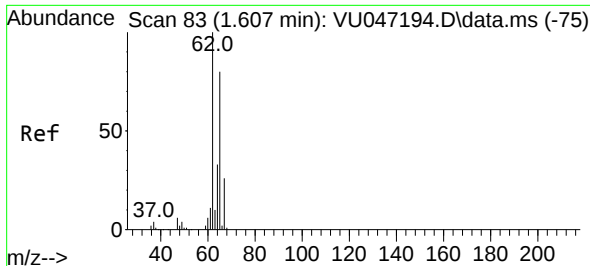
Tgt Ion: 85 Resp: 156478
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.6 38.4



#3
 Chloromethane
 Concen: 49.414 ug/L
 RT: 1.527 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: VU047235.D
 Acq: 22 Feb 2022 16:36

Tgt Ion: 50 Resp: 164866
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.2 43.2

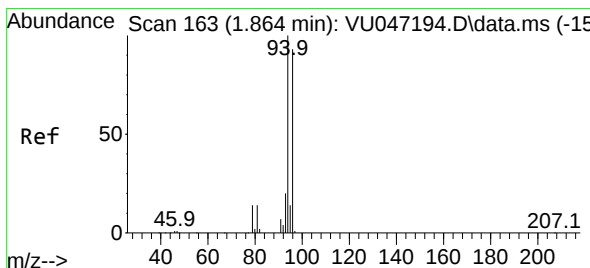
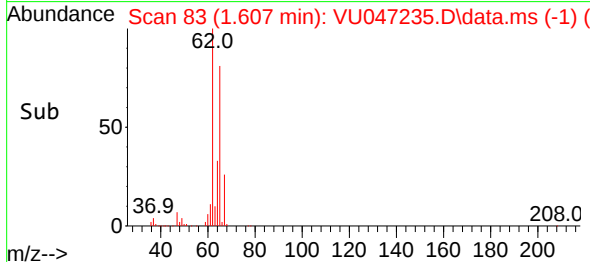
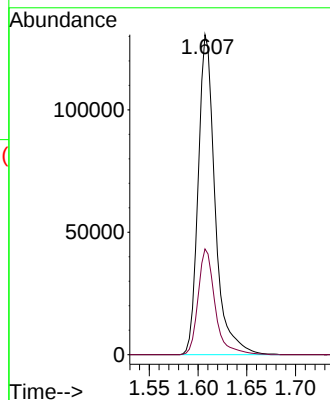
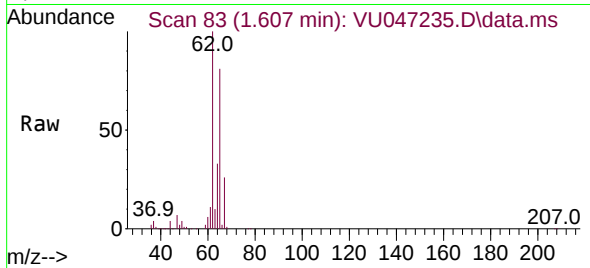




#5
 Vinyl chloride
 Concen: 46.912 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047235.D
 Acq: 22 Feb 2022 16:36

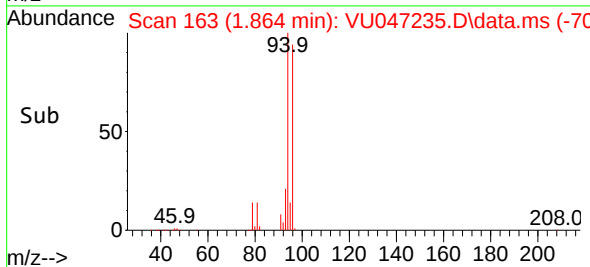
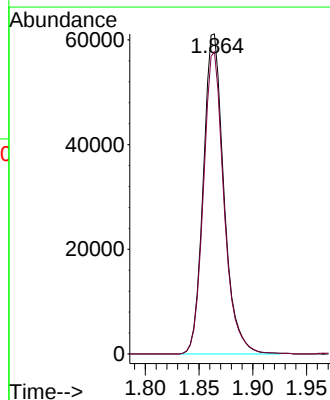
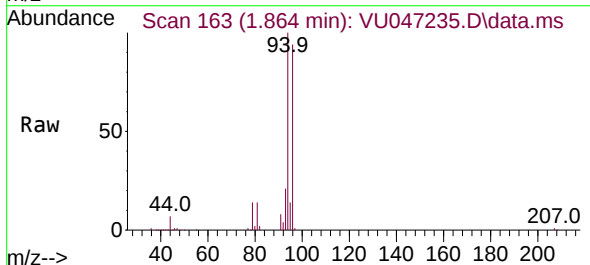
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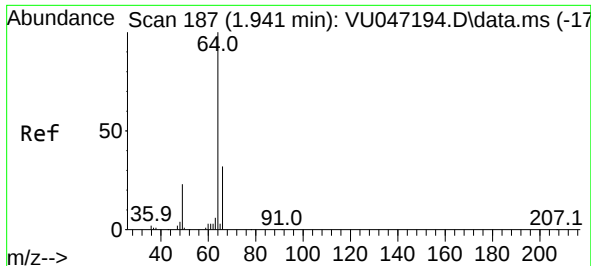
Tgt Ion: 62 Resp: 157730
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.1 42.9



#6
 Bromomethane
 Concen: 41.816 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU047235.D
 Acq: 22 Feb 2022 16:36

Tgt Ion: 94 Resp: 81783
 Ion Ratio Lower Upper
 94 100
 96 94.4 64.4 119.6

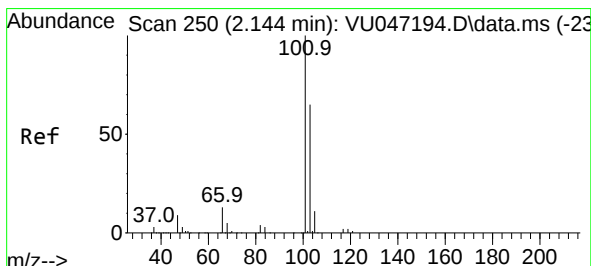
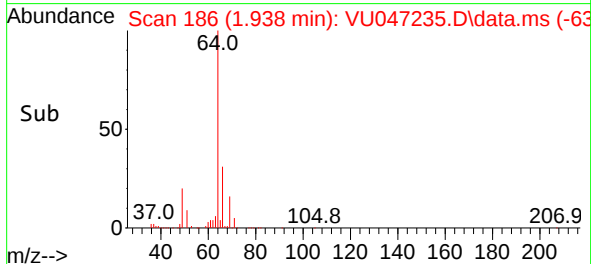
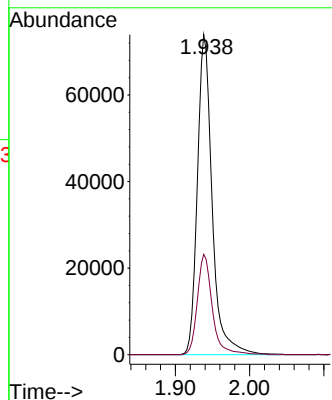
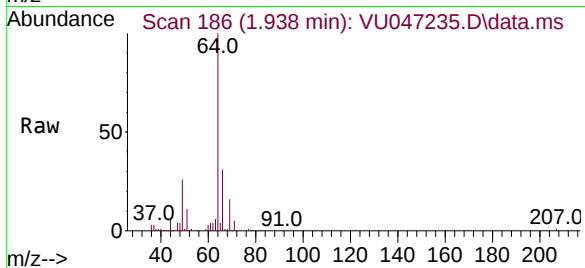




#8
Chloroethane
Concen: 52.994 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

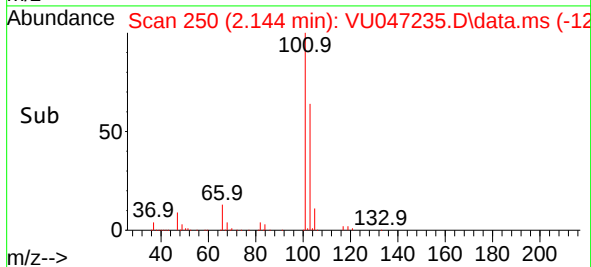
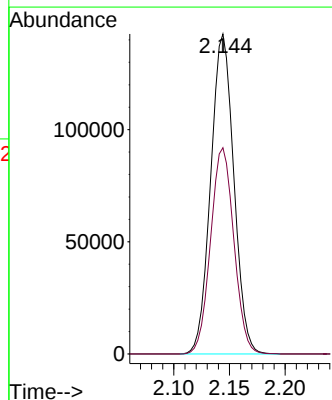
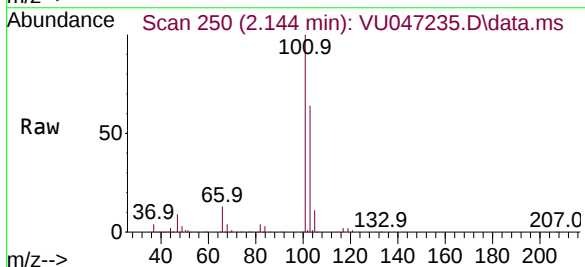
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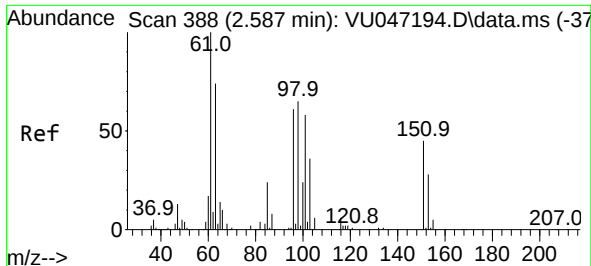
Tgt Ion: 64 Resp: 102721
Ion Ratio Lower Upper
64 100
66 31.4 24.4 45.2



#9
Trichlorofluoromethane
Concen: 52.915 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion:101 Resp: 206026
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

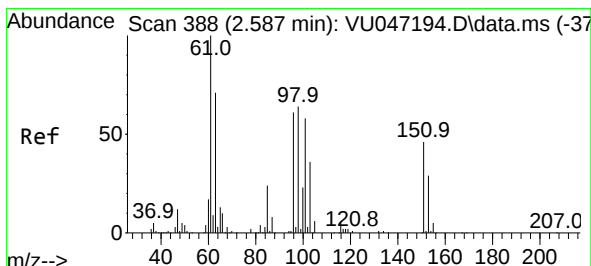
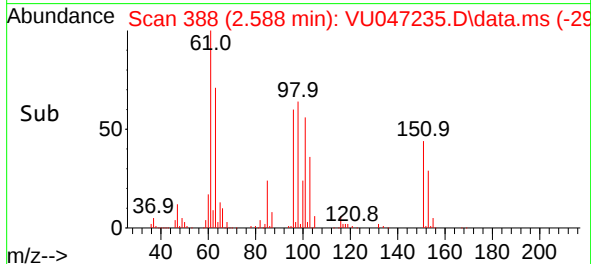
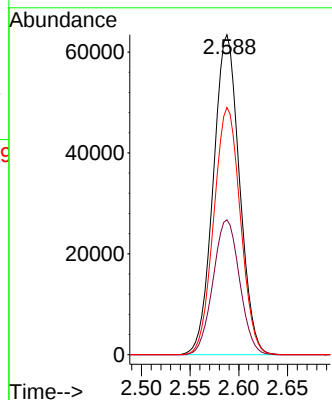
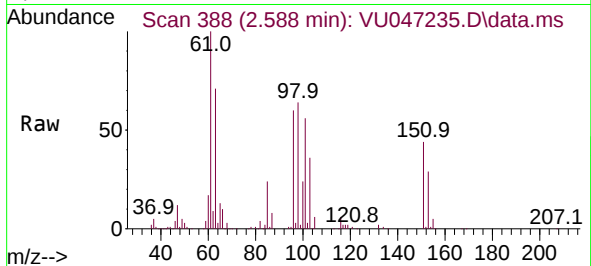




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.369 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU047235.D
 Acq: 22 Feb 2022 16:36

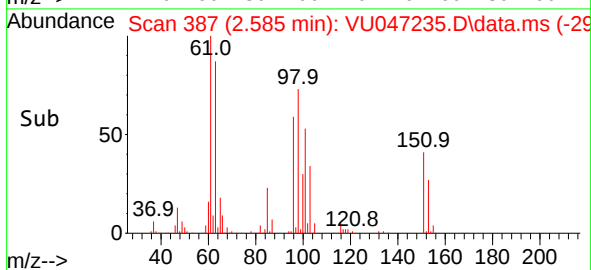
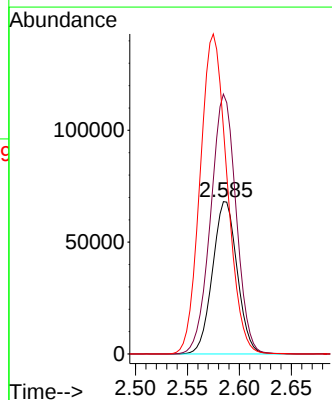
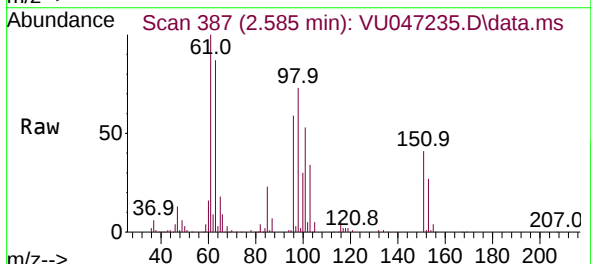
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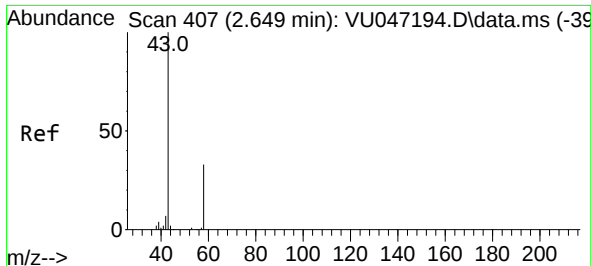
Tgt Ion:101 Resp: 118403
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.9 52.3
 151 78.6 58.3 87.5



#12
 1,1-Dichloroethene
 Concen: 47.821 ug/L
 RT: 2.585 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU047235.D
 Acq: 22 Feb 2022 16:36

Tgt Ion: 96 Resp: 112527
 Ion Ratio Lower Upper
 96 100
 61 170.5 114.9 213.3
 63 148.5 86.0 159.8





#13

Acetone

Concen: 86.215 ug/L

RT: 2.646 min Scan# 407

Delta R.T. -0.003 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

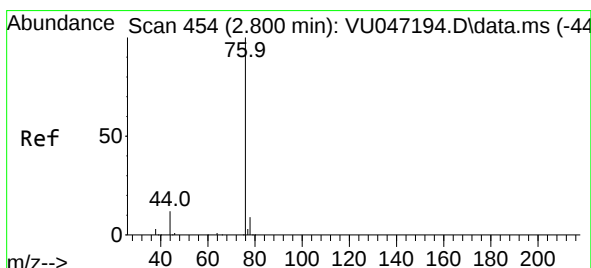
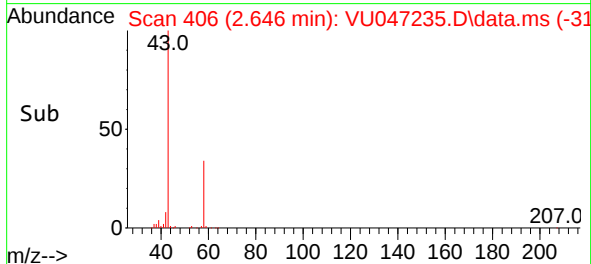
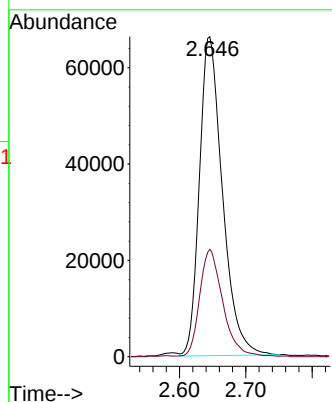
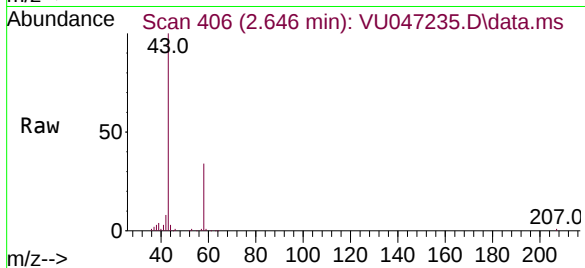
ClientSampleId :

Tgt Ion: 43 Resp: 160077

Ion Ratio Lower Upper

43 100

58 33.2 0.0 71.0



#14

Carbon disulfide

Concen: 44.751 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047235.D

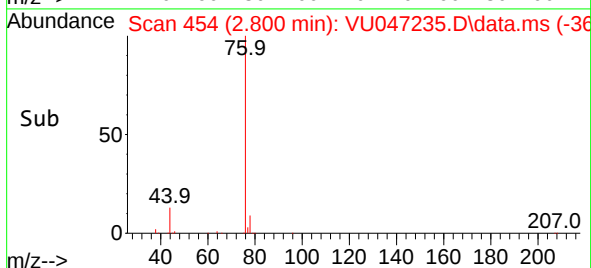
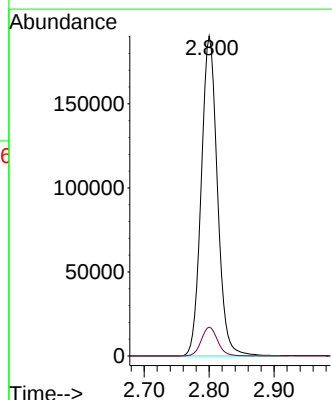
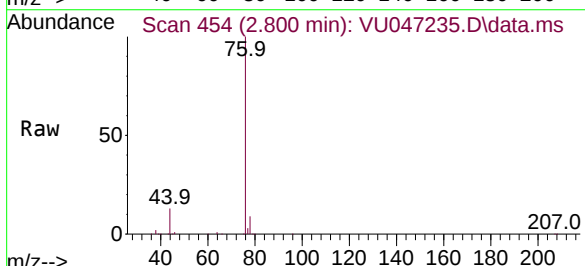
Acq: 22 Feb 2022 16:36

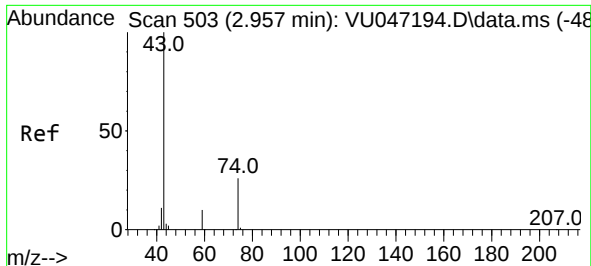
Tgt Ion: 76 Resp: 330498

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

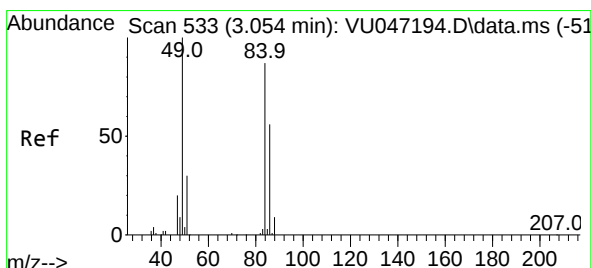
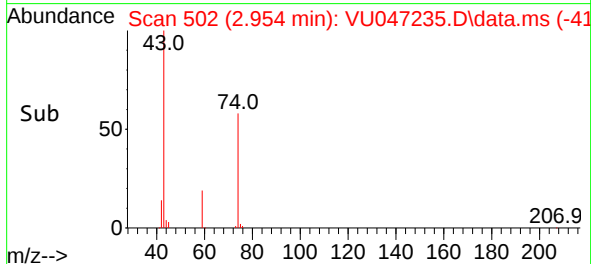
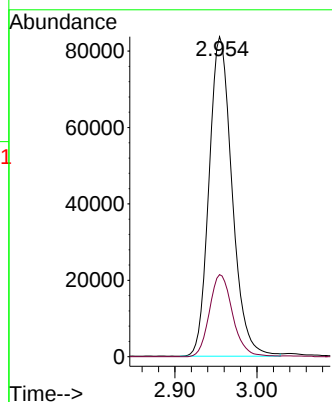
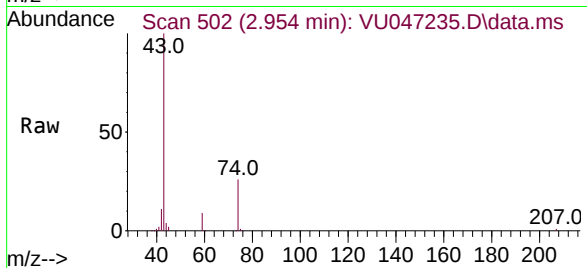




#15
Methyl Acetate
Concen: 52.330 ug/L
RT: 2.954 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

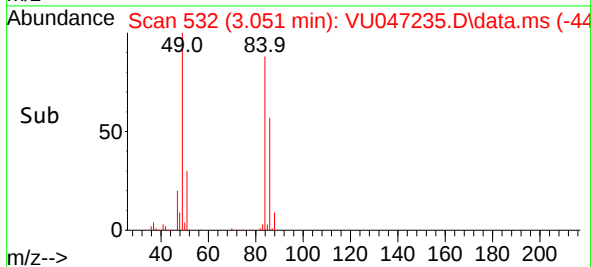
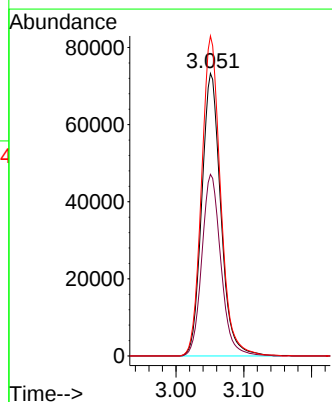
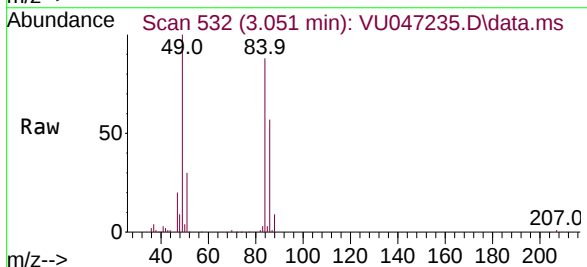
Instrument :
MSVOA_U
ClientSampleId :

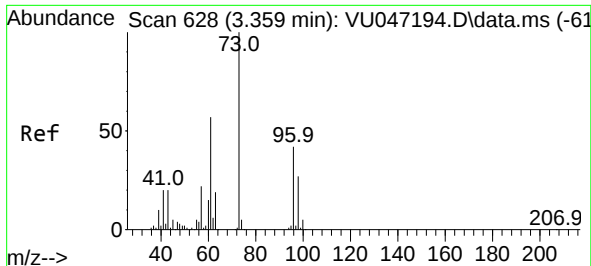
Tgt Ion: 43 Resp: 163507
Ion Ratio Lower Upper
43 100
74 25.9 22.3 33.5



#16
Methylene chloride
Concen: 54.961 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion: 84 Resp: 143110
Ion Ratio Lower Upper
84 100
86 64.3 44.7 82.9
49 113.2 75.9 141.1

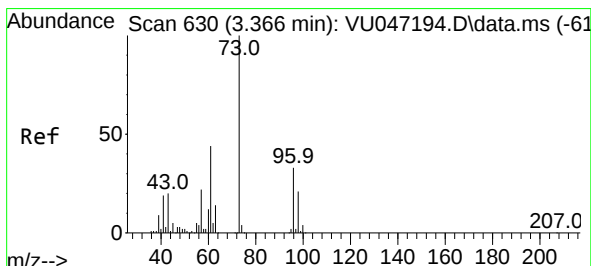
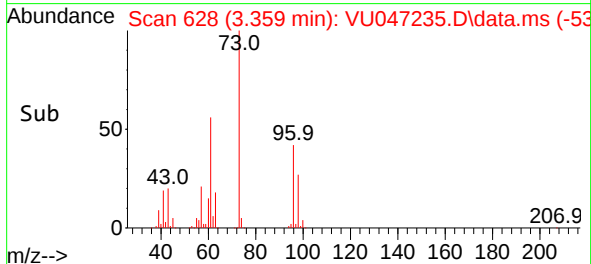
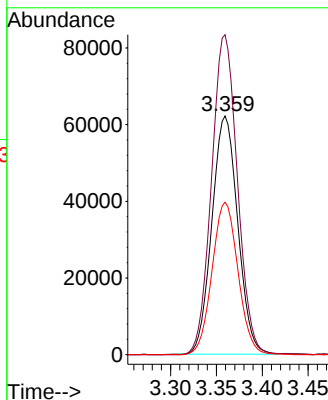
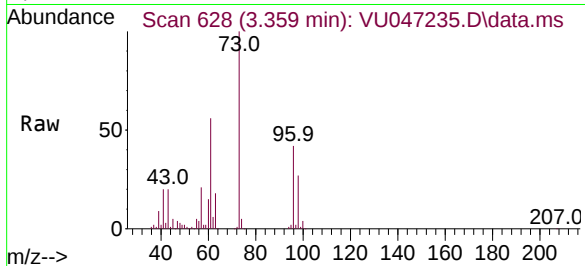




#17
trans-1,2-Dichloroethene
Concen: 49.394 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

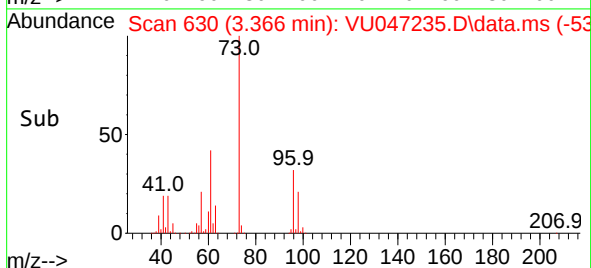
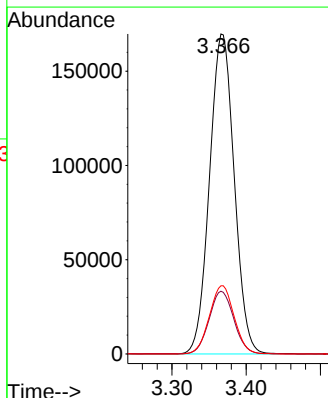
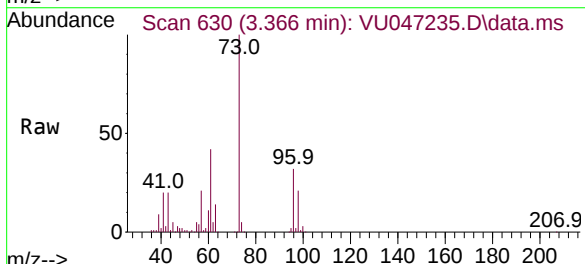
Instrument :
MSVOA_U
ClientSampleId :

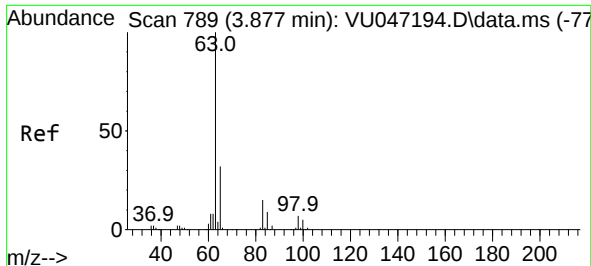
Tgt Ion: 96 Resp: 122113
Ion Ratio Lower Upper
96 100
61 134.0 92.5 171.9
98 63.9 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 46.930 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion: 73 Resp: 392357
Ion Ratio Lower Upper
73 100
43 19.7 14.1 21.1
57 21.4 16.4 24.6





#19

1,1-Dichloroethane

Concen: 48.723 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

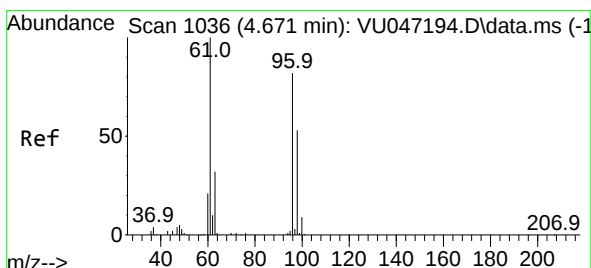
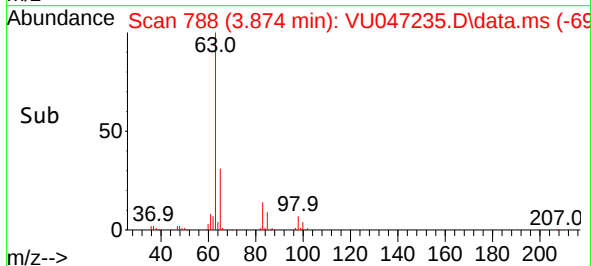
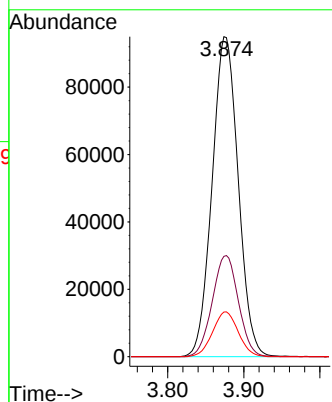
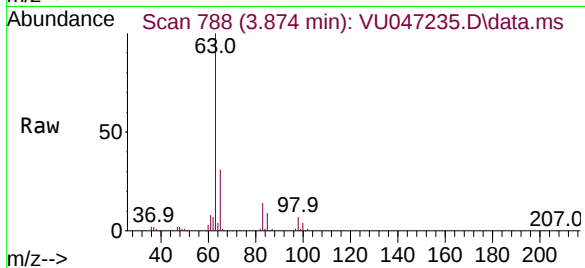
Tgt Ion: 63 Resp: 226219

Ion Ratio Lower Upper

63 100

65 31.4 22.8 42.4

83 13.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 51.407 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

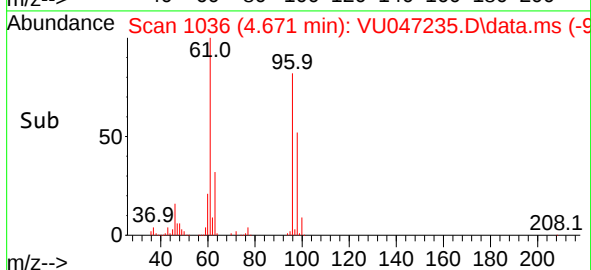
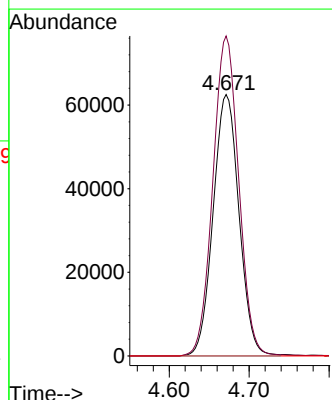
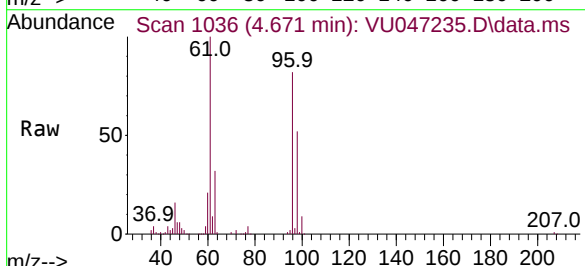
Tgt Ion: 96 Resp: 140575

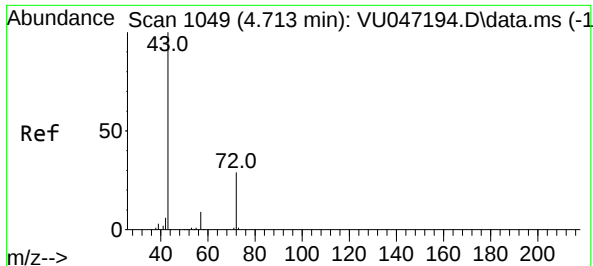
Ion Ratio Lower Upper

96 100

61 122.4 86.0 159.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.479 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

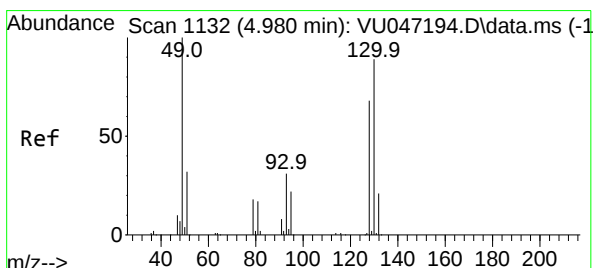
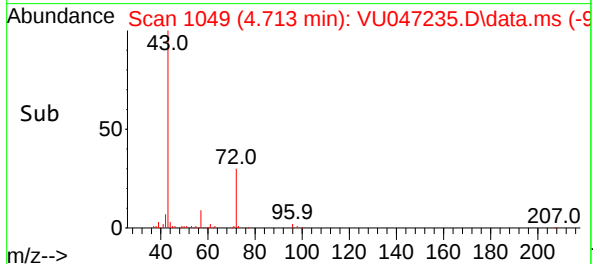
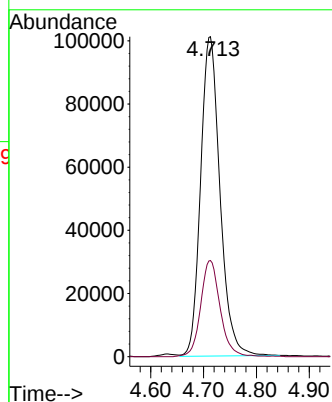
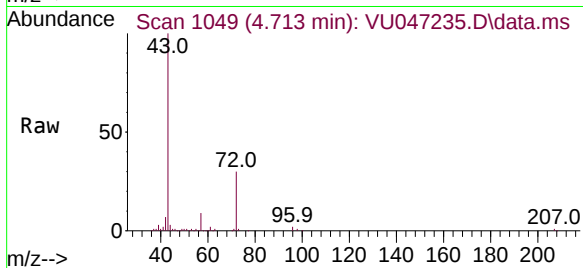
ClientSampleId :

Tgt Ion: 43 Resp: 257792

Ion Ratio Lower Upper

43 100

72 30.0 15.6 46.8



#23

Bromochloromethane

Concen: 50.742 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Tgt Ion:128 Resp: 73587

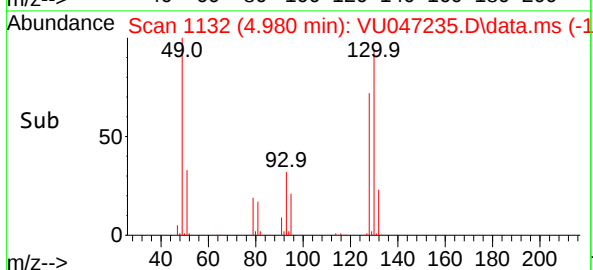
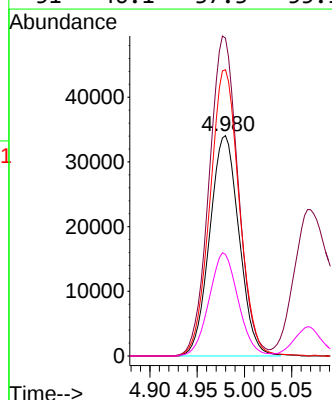
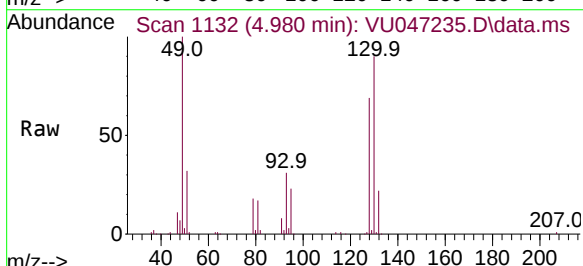
Ion Ratio Lower Upper

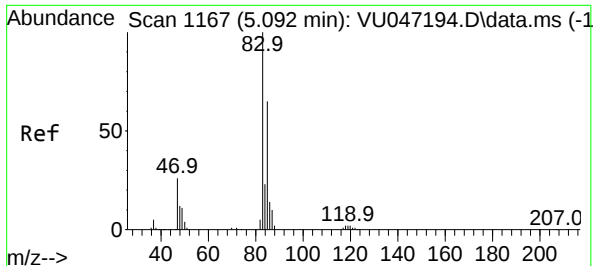
128 100

49 144.2 105.4 195.8

130 129.9 88.7 164.7

51 46.1 37.3 55.9

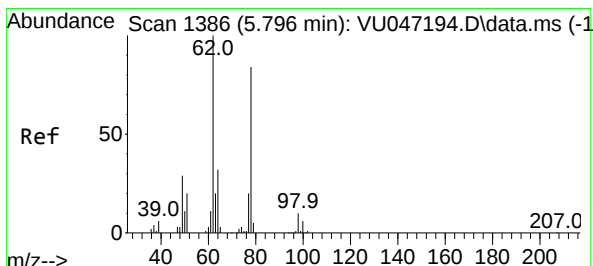
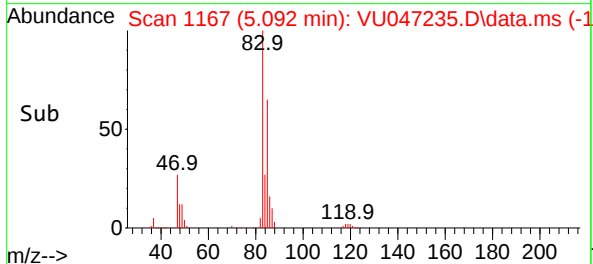
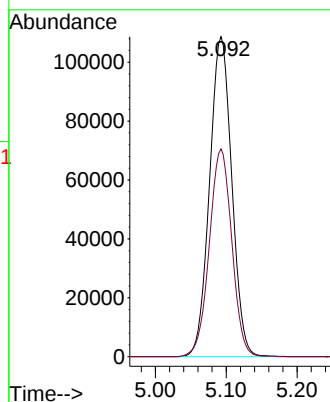
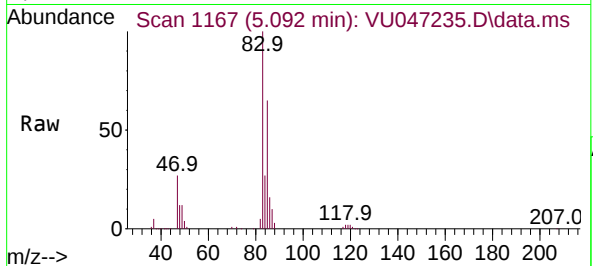




#25
Chloroform
Concen: 51.964 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

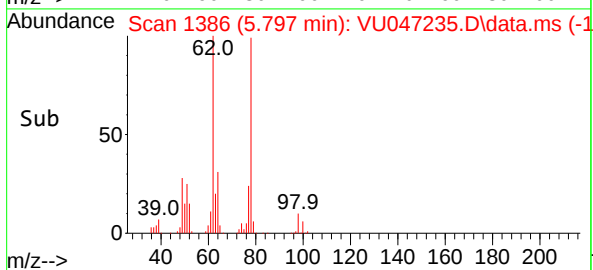
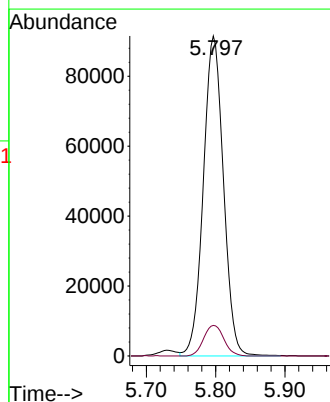
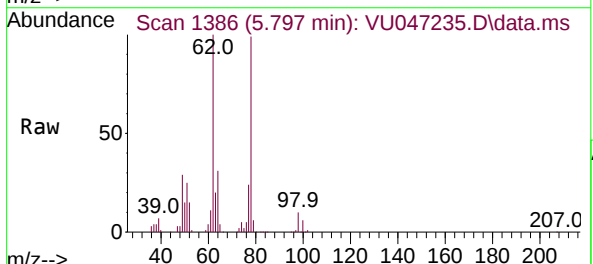
Instrument :
MSVOA_U
ClientSampleId :

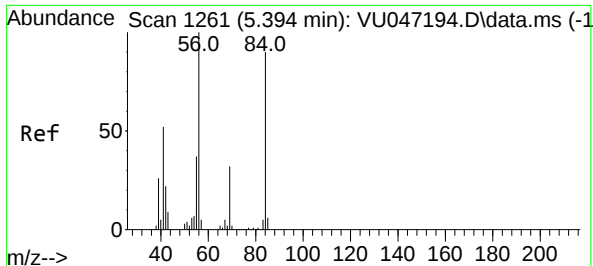
Tgt Ion: 83 Resp: 236336
Ion Ratio Lower Upper
83 100
85 65.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 51.048 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion: 62 Resp: 184479
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5





#29

Cyclohexane

Concen: 43.985 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

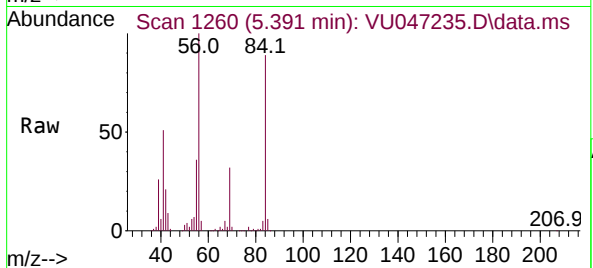
Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :



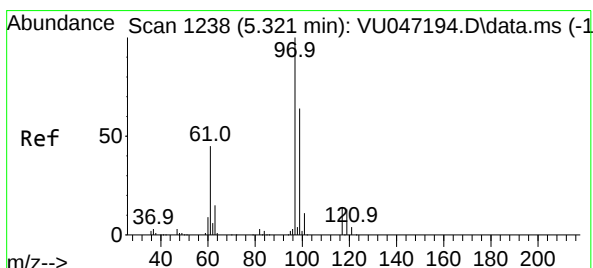
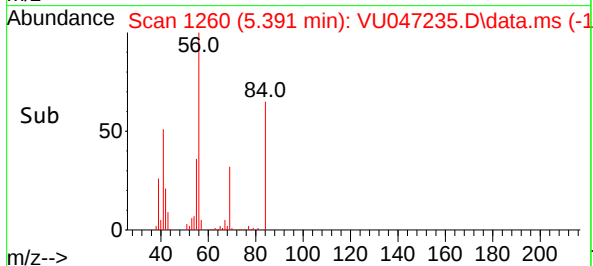
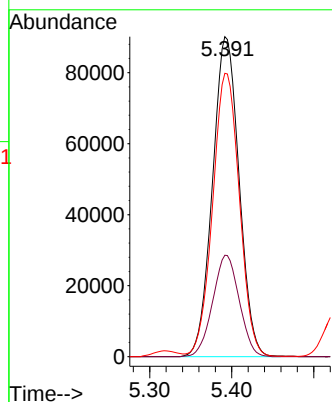
Tgt Ion: 56 Resp: 203065

Ion Ratio Lower Upper

56 100

69 31.7 25.8 38.6

84 89.2 74.2 111.2



#30

1,1,1-Trichloroethane

Concen: 48.412 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

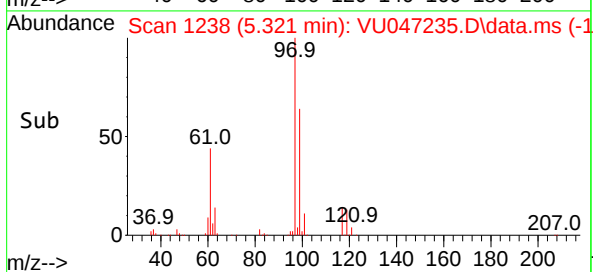
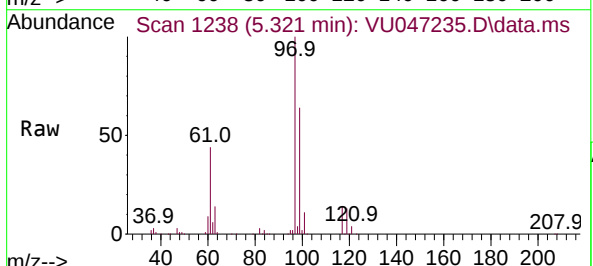
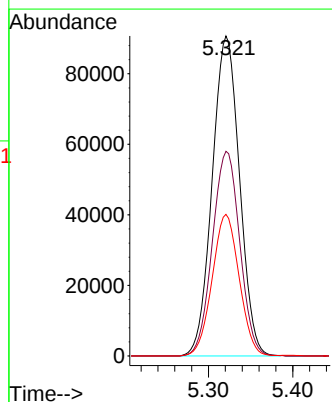
Tgt Ion: 97 Resp: 204266

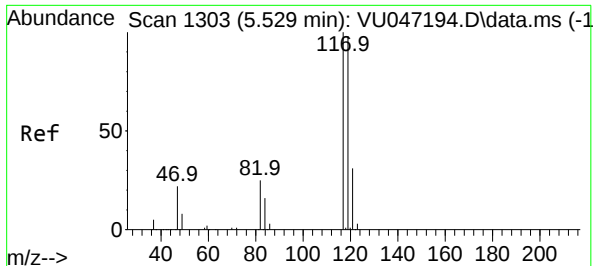
Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

61 43.8 34.1 51.1

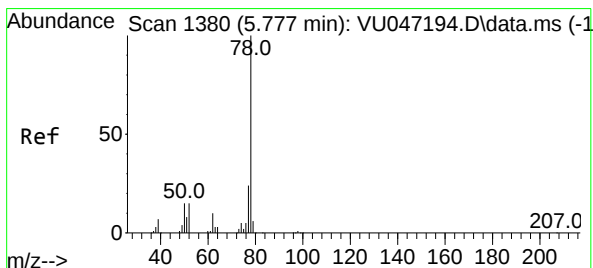
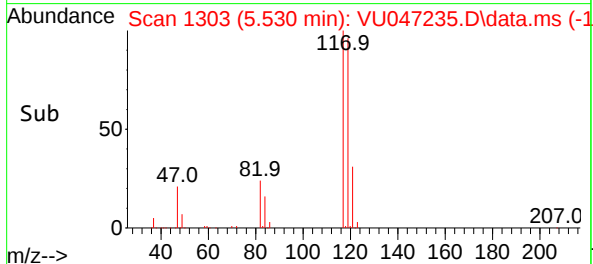
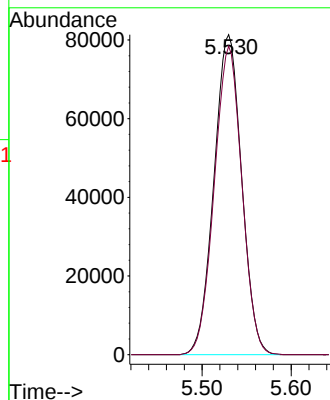
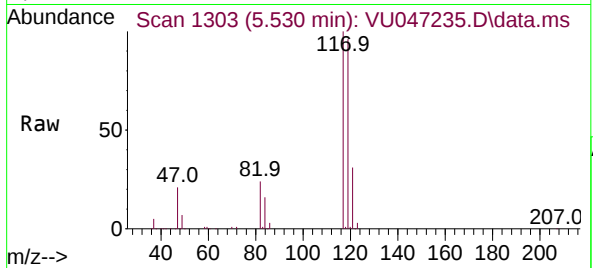




#31
Carbon tetrachloride
Concen: 48.060 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

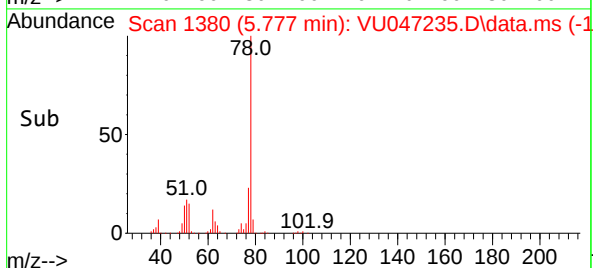
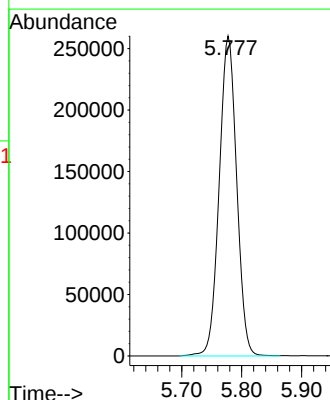
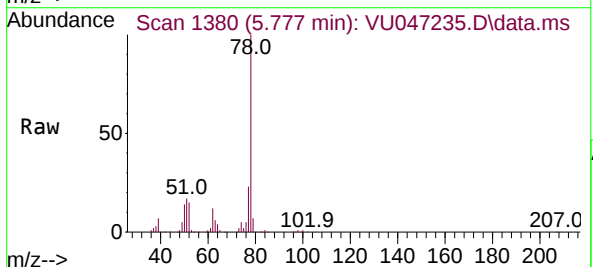
Instrument :
MSVOA_U
ClientSampleId :

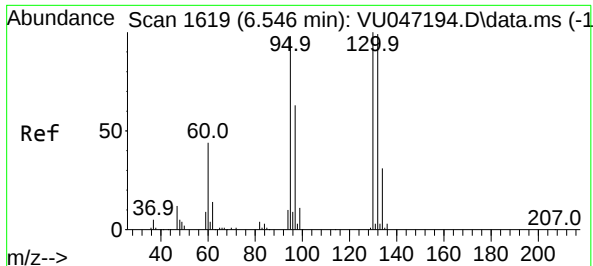
Tgt Ion:117 Resp: 175814
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3



#33
Benzene
Concen: 47.748 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion: 78 Resp: 524610

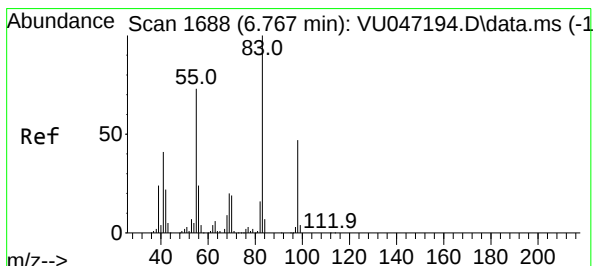
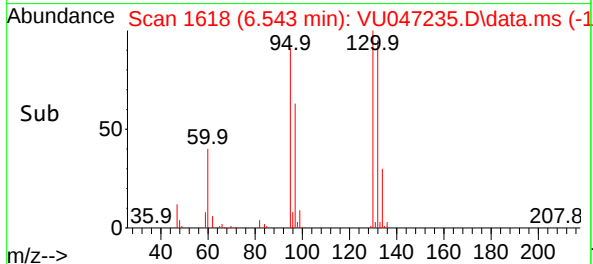
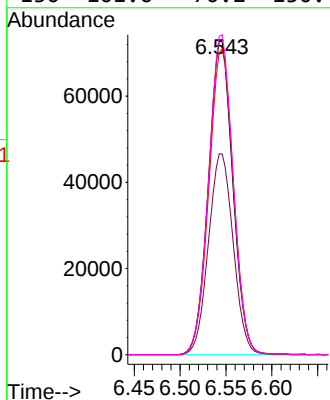
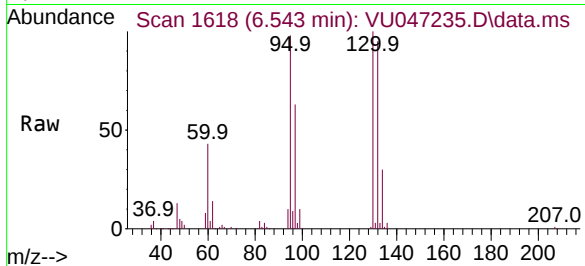




#34
Trichloroethene
Concen: 47.234 ug/L
RT: 6.543 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

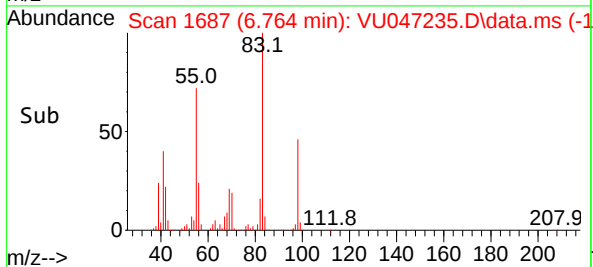
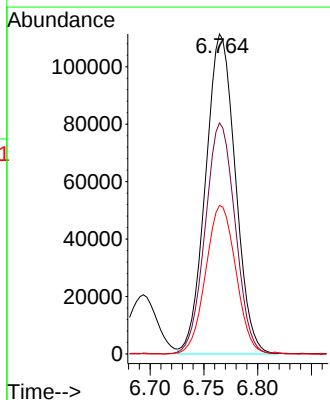
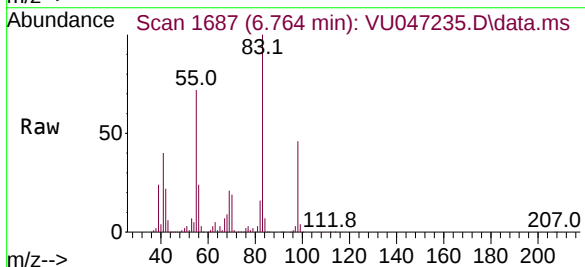
Instrument :
MSVOA_U
ClientSampleId :

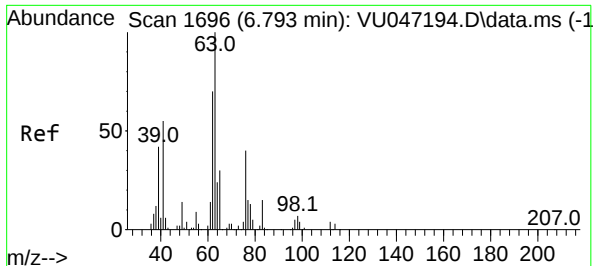
Tgt Ion: 95 Resp: 134806
Ion Ratio Lower Upper
95 100
97 64.1 45.1 83.7
132 96.4 66.7 123.9
130 101.6 70.2 130.4



#35
Methylcyclohexane
Concen: 44.881 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion: 83 Resp: 214920
Ion Ratio Lower Upper
83 100
55 72.6 56.6 85.0
98 47.0 38.4 57.6





#37

1,2-Dichloropropane

Concen: 46.126 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

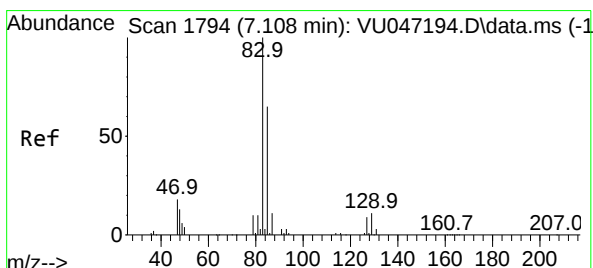
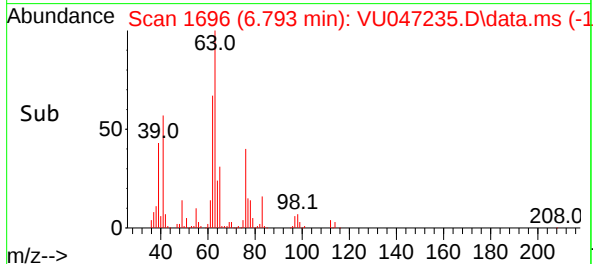
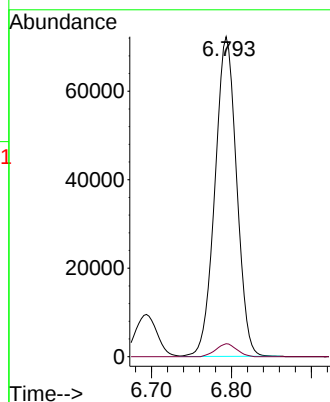
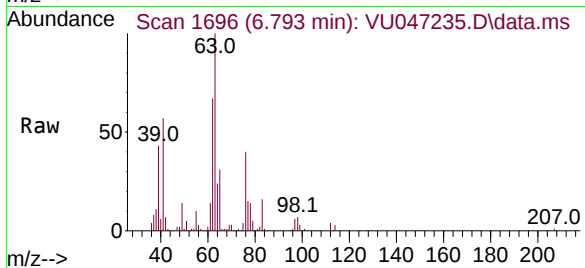
ClientSampleId :

Tgt Ion: 63 Resp: 135749

Ion Ratio Lower Upper

63 100

112 3.9 3.7 5.5



#38

Bromodichloromethane

Concen: 48.424 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

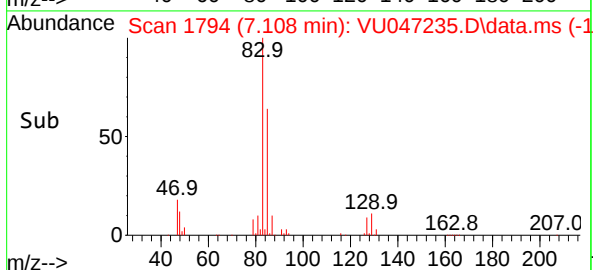
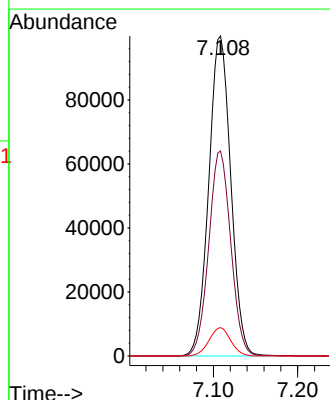
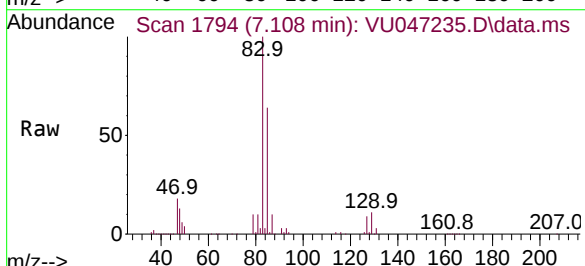
Tgt Ion: 83 Resp: 181640

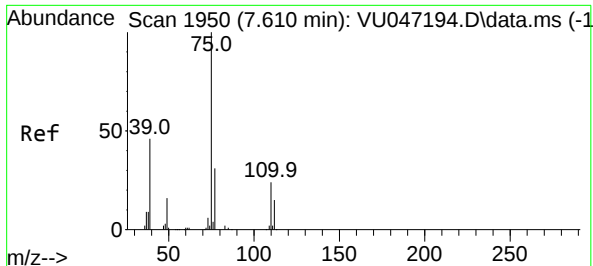
Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6

127 8.9 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 46.658 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

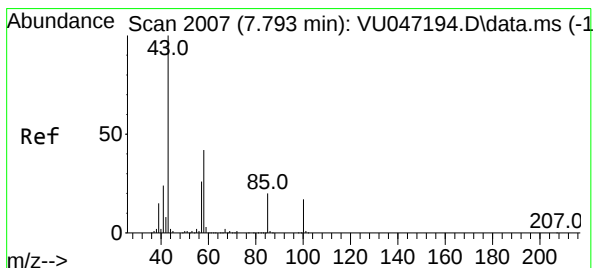
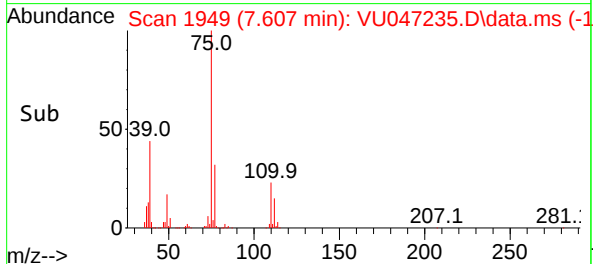
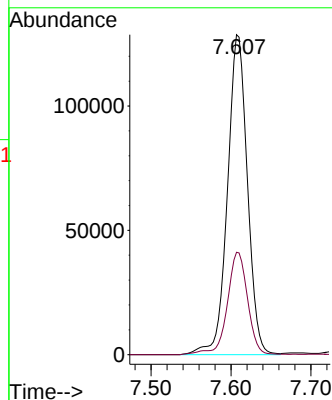
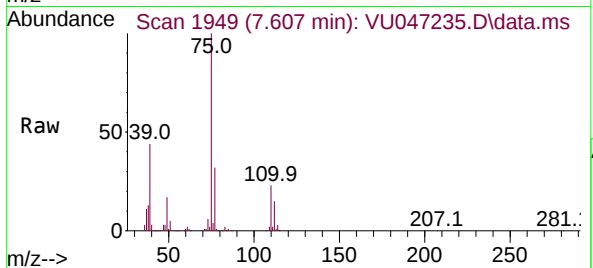
ClientSampleId :

Tgt Ion: 75 Resp: 223170

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 98.462 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

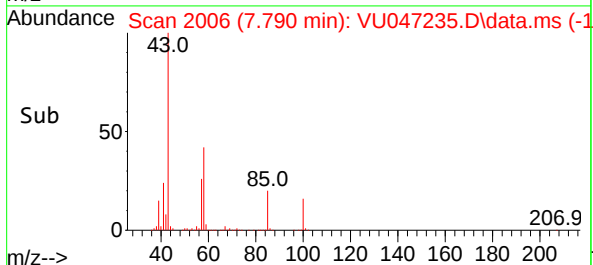
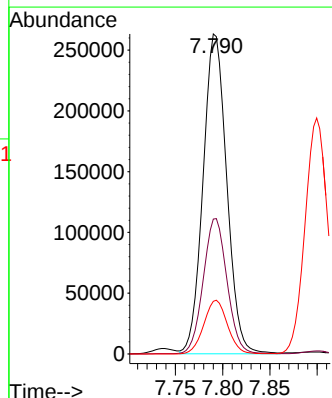
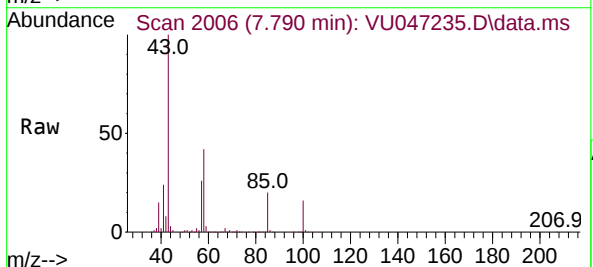
Tgt Ion: 43 Resp: 458880

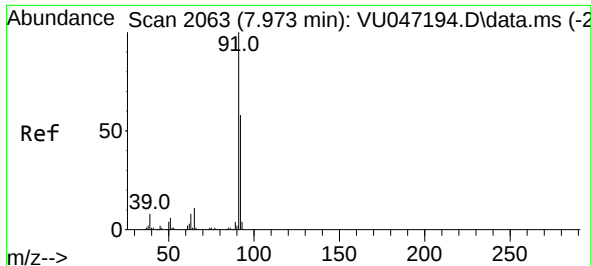
Ion Ratio Lower Upper

43 100

58 42.6 35.8 53.8

100 16.8 15.7 23.5





#42

Toluene

Concen: 47.653 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

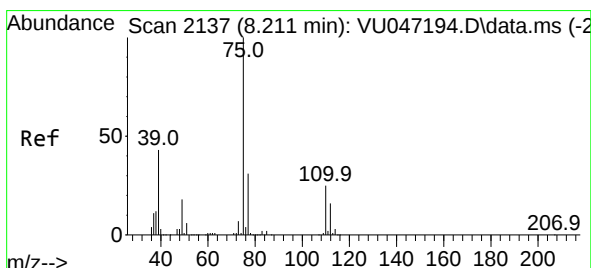
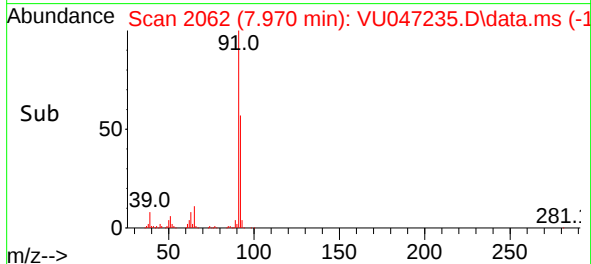
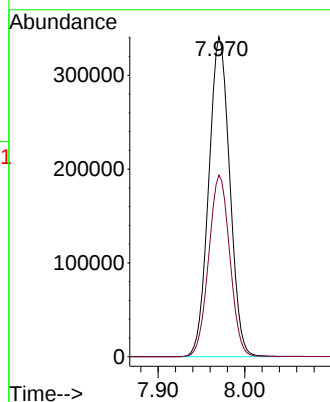
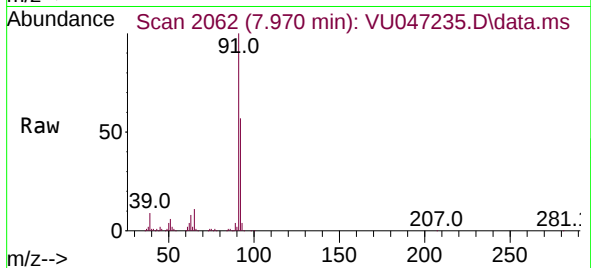
ClientSampleId :

Tgt Ion: 91 Resp: 575069

Ion Ratio Lower Upper

91 100

92 56.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 46.769 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU047235.D

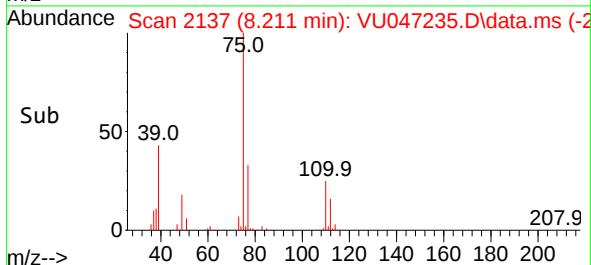
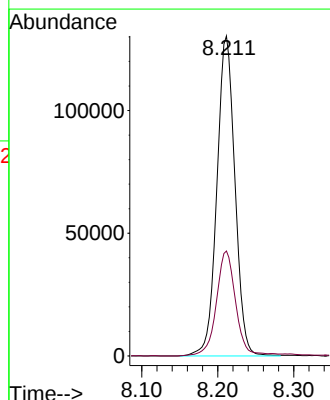
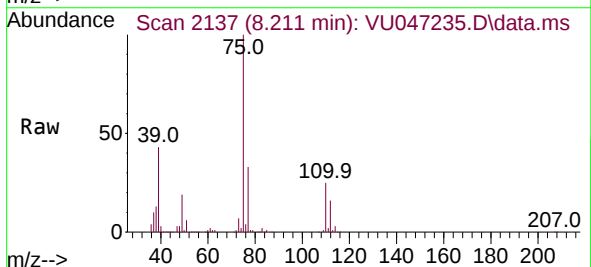
Acq: 22 Feb 2022 16:36

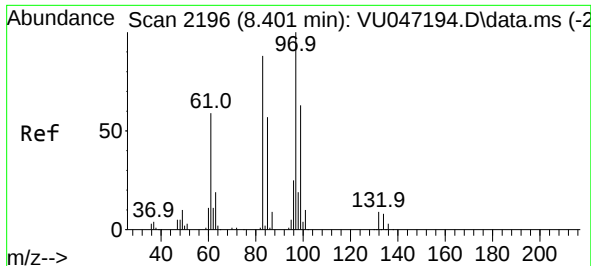
Tgt Ion: 75 Resp: 214943

Ion Ratio Lower Upper

75 100

77 32.8 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 48.601 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 134716

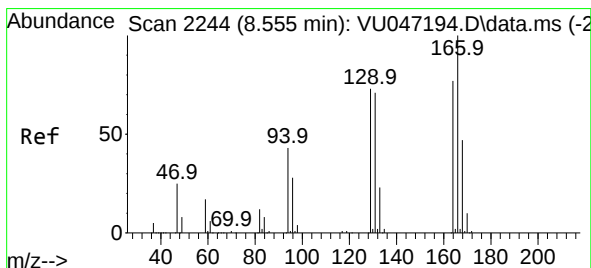
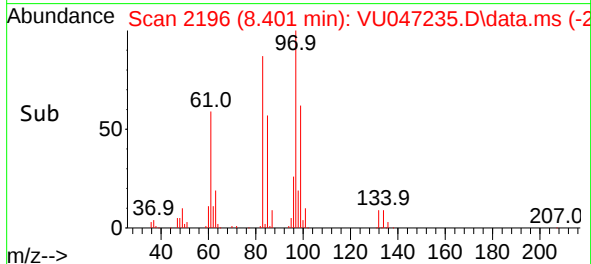
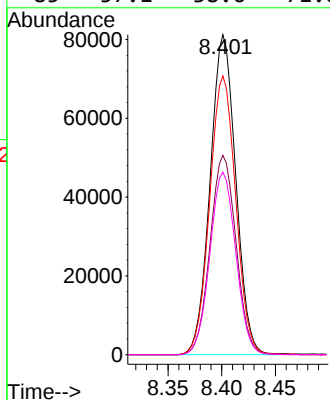
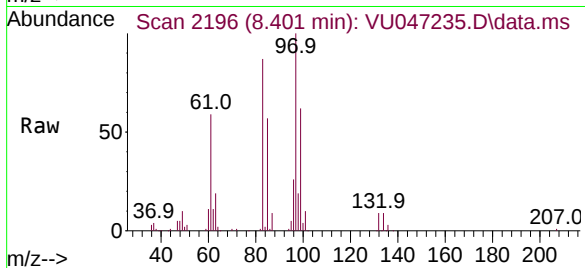
Ion Ratio Lower Upper

97 100

99 62.3 42.4 78.8

83 87.1 59.4 110.4

85 57.1 38.6 71.8



#46

Tetrachloroethene

Concen: 47.984 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Tgt Ion:164 Resp: 110165

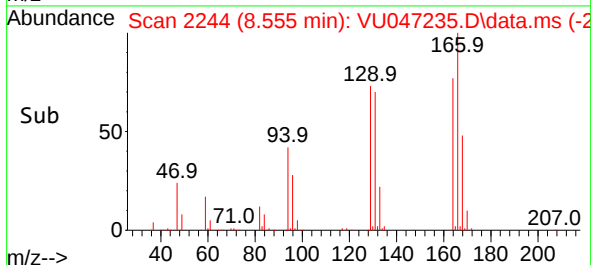
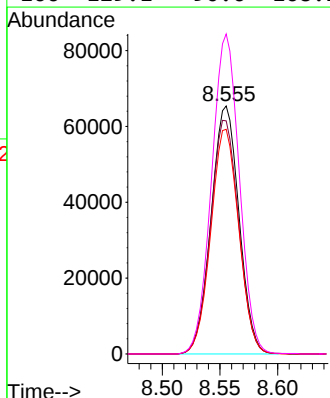
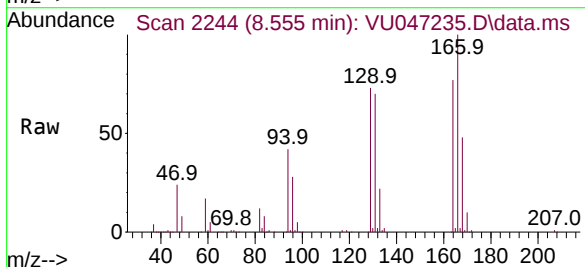
Ion Ratio Lower Upper

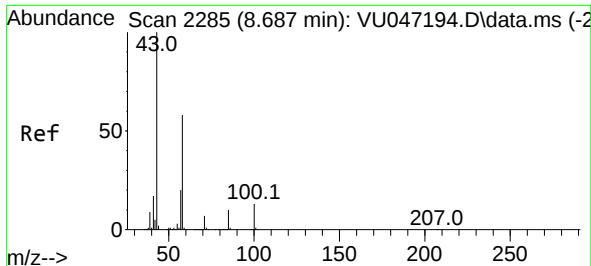
164 100

129 94.0 69.5 129.1

131 90.6 67.0 124.4

166 129.1 90.6 168.2





#48

2-Hexanone

Concen: 95.263 ug/L

RT: 8.684 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 367159

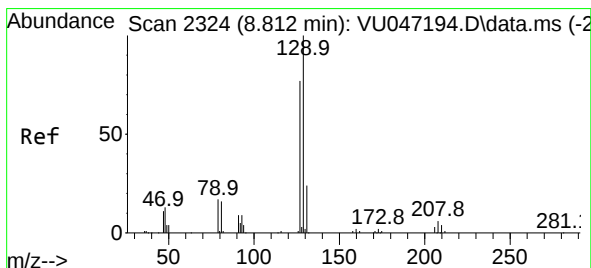
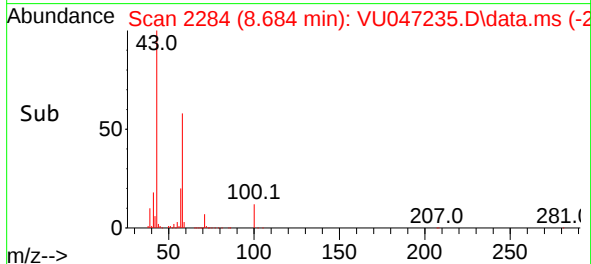
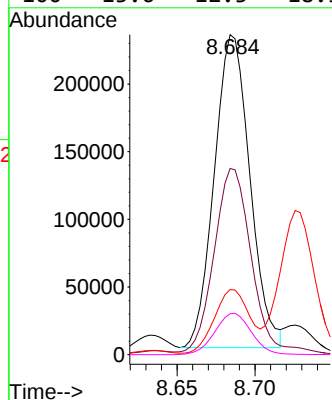
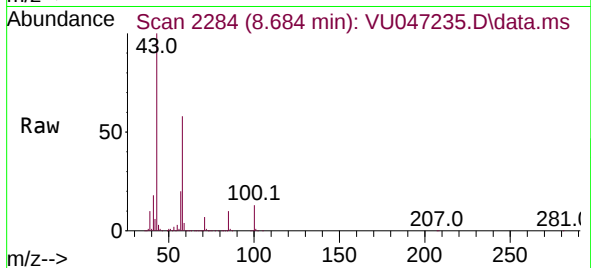
Ion Ratio Lower Upper

43 100

58 63.4 49.4 74.2

57 20.9 17.5 26.3

100 13.6 12.3 18.5



#49

Dibromochloromethane

Concen: 46.582 ug/L

RT: 8.813 min Scan# 2324

Delta R.T. 0.000 min

Lab File: VU047235.D

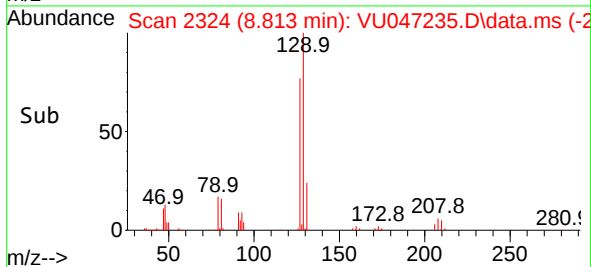
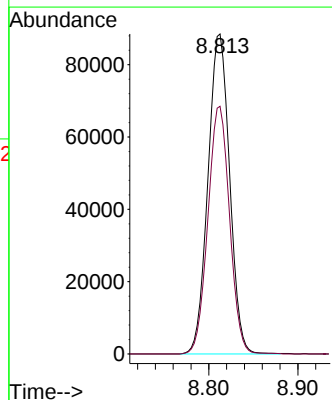
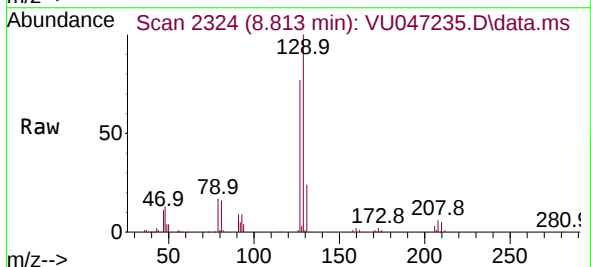
Acq: 22 Feb 2022 16:36

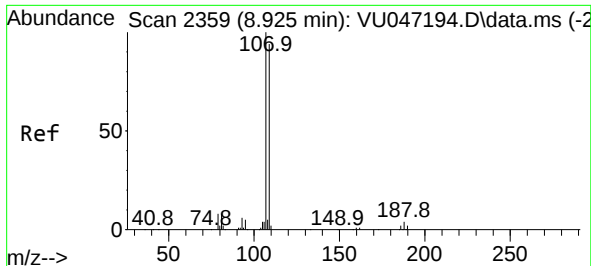
Tgt Ion: 129 Resp: 149388

Ion Ratio Lower Upper

129 100

127 77.4 54.5 101.3





#50

1,2-Dibromoethane

Concen: 48.898 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

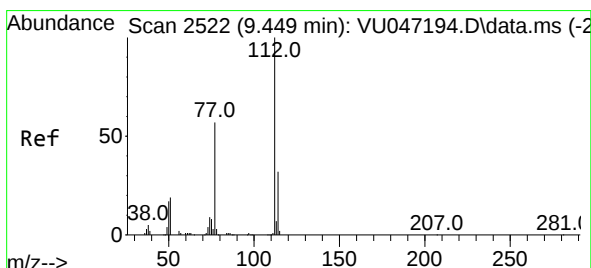
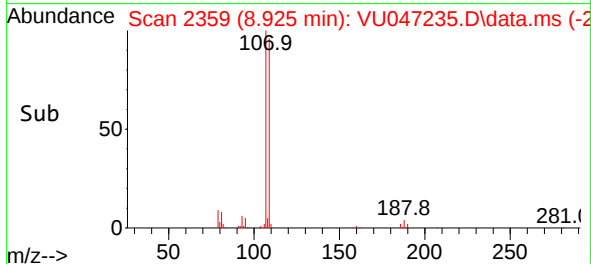
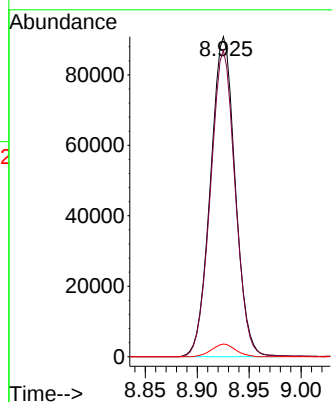
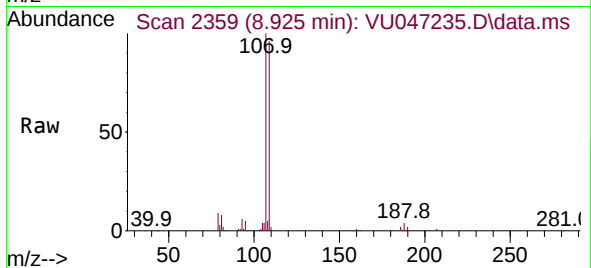
Tgt Ion:107 Resp: 150561

Ion Ratio Lower Upper

107 100

109 95.8 65.6 121.8

188 4.0 3.1 4.7



#51

Chlorobenzene

Concen: 47.041 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

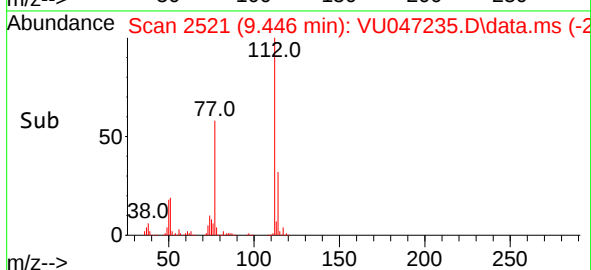
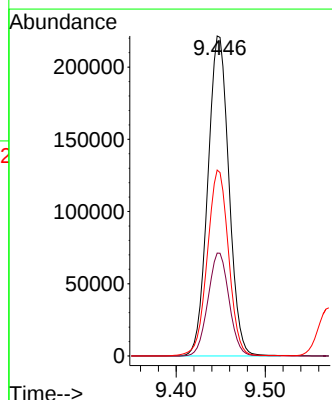
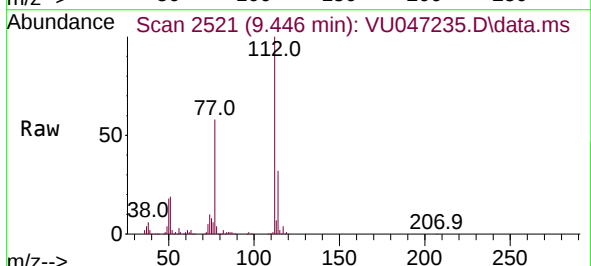
Tgt Ion:112 Resp: 364000

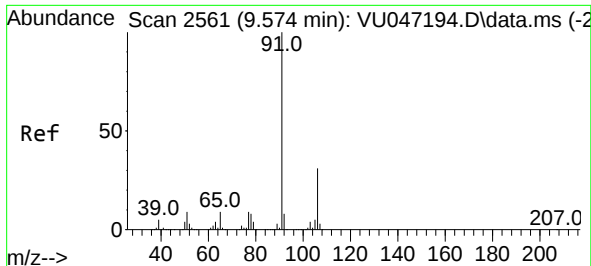
Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

77 58.1 46.5 69.7

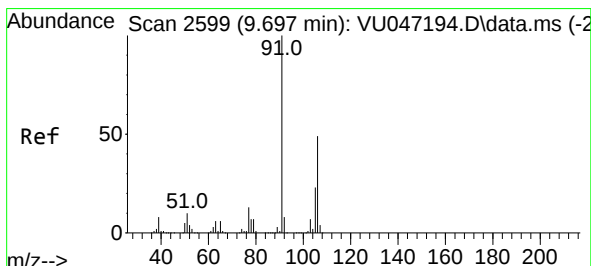
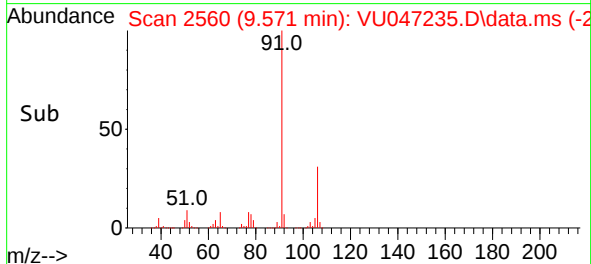
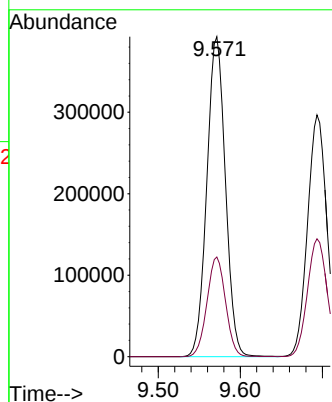
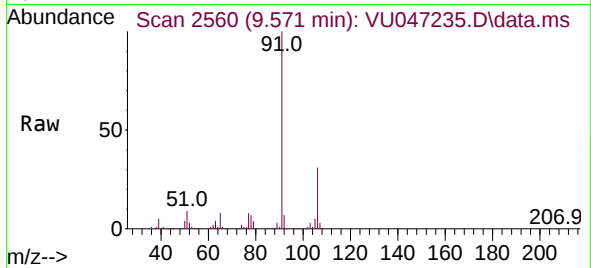




#52
Ethylbenzene
Concen: 46.905 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

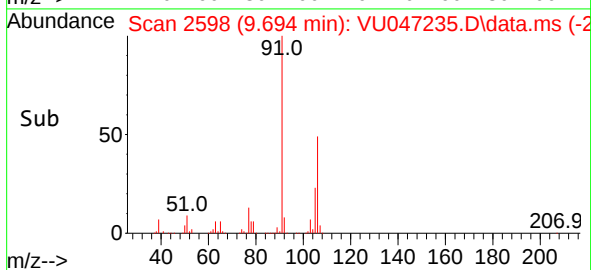
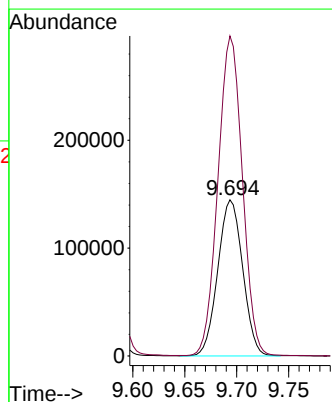
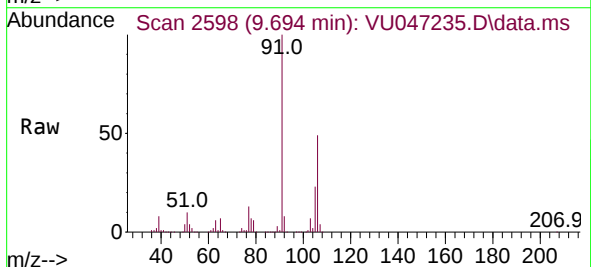
Instrument :
MSVOA_U
ClientSampleId :

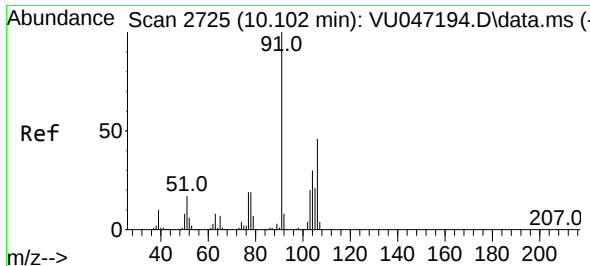
Tgt Ion: 91 Resp: 619494
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.4



#53
m,p-Xylene
Concen: 46.070 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion:106 Resp: 241411
Ion Ratio Lower Upper
106 100
91 205.0 145.5 270.1

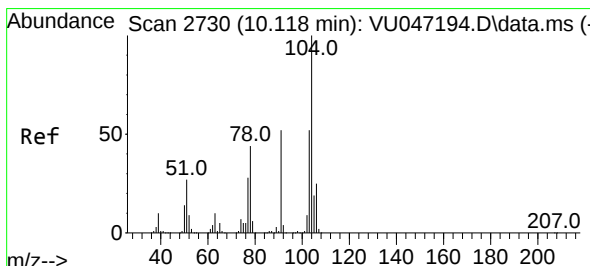
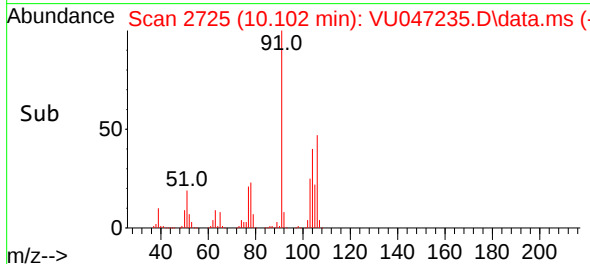
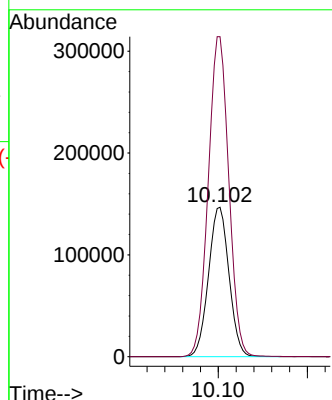
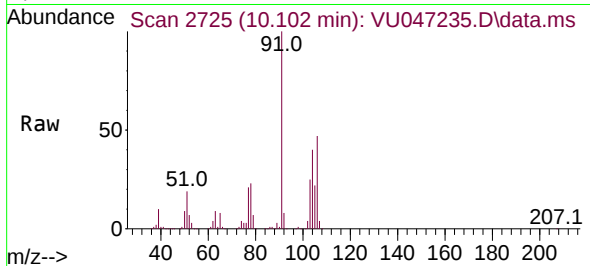




#54
o-xylene
Concen: 45.395 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

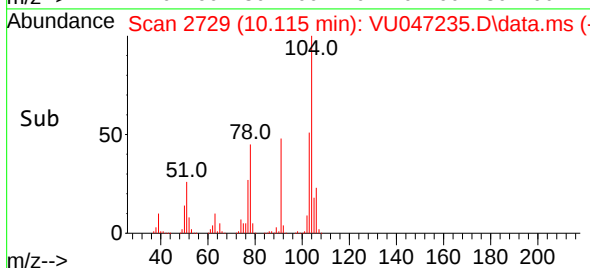
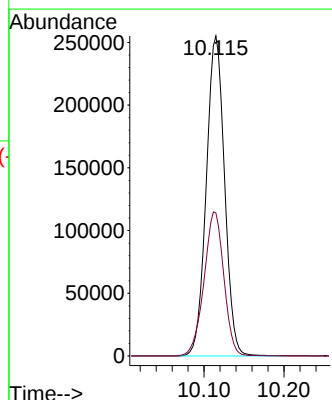
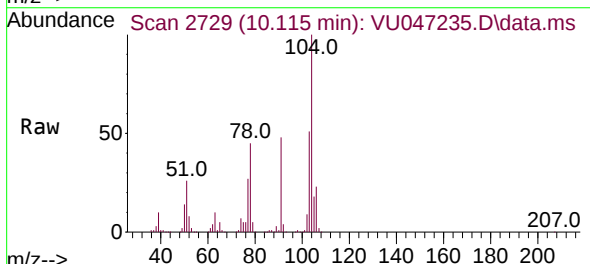
Instrument :
MSVOA_U
ClientSampleId :

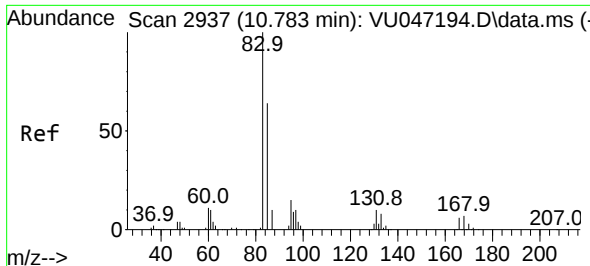
Tgt Ion:106 Resp: 234215
Ion Ratio Lower Upper
106 100
91 214.1 152.0 282.2



#55
Styrene
Concen: 45.717 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion:104 Resp: 405862
Ion Ratio Lower Upper
104 100
78 44.7 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 52.138 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

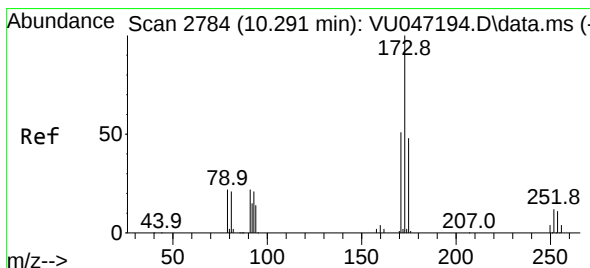
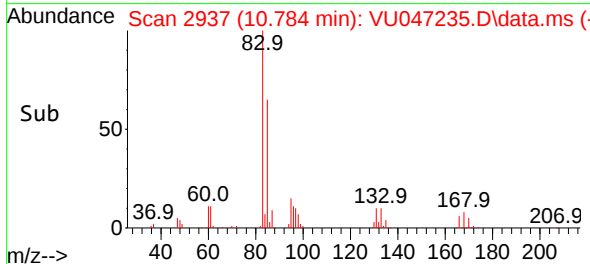
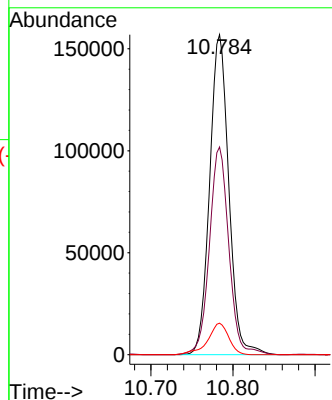
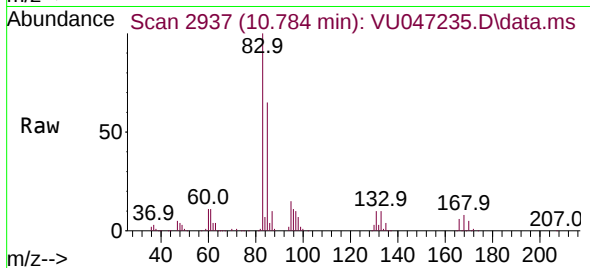
Tgt Ion: 83 Resp: 254779

Ion Ratio Lower Upper

83 100

85 64.9 44.7 83.1

131 9.8 7.8 11.6



#59

Bromoform

Concen: 42.713 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

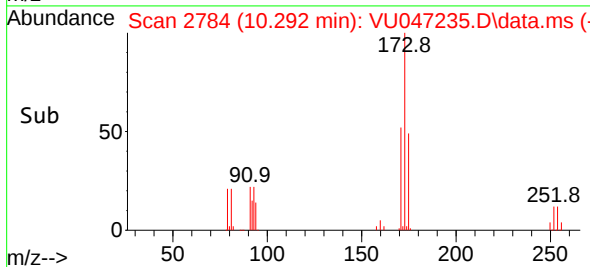
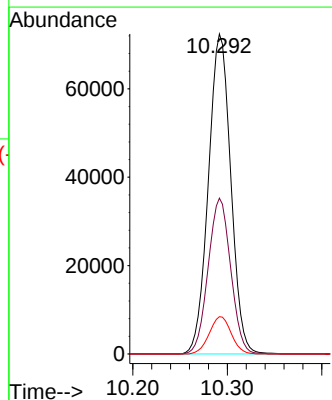
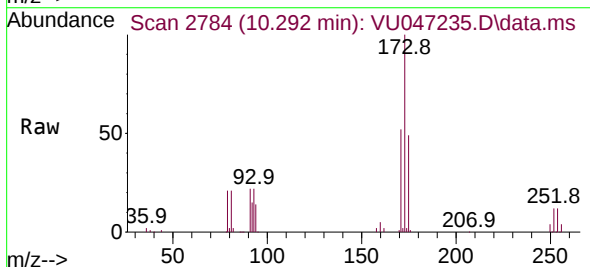
Tgt Ion:173 Resp: 119158

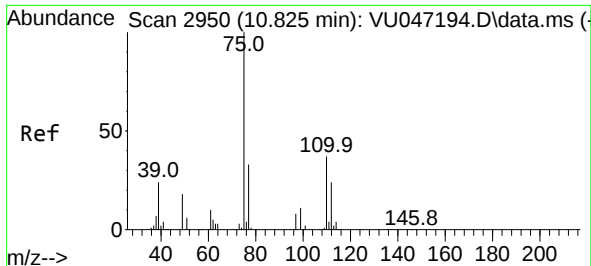
Ion Ratio Lower Upper

173 100

175 48.9 37.6 56.4

254 11.4 8.1 12.1

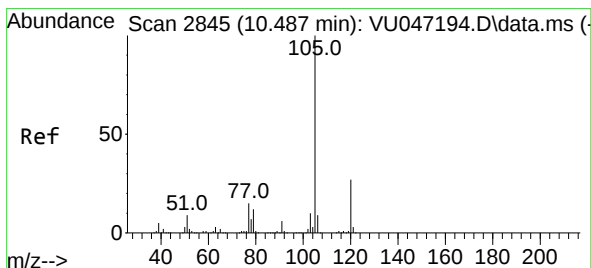
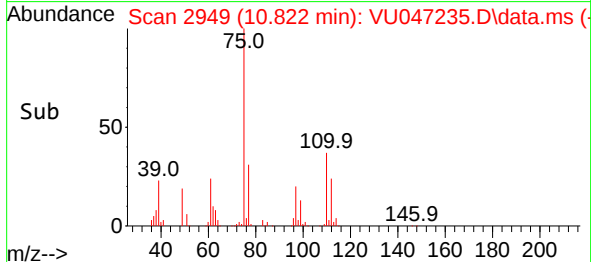
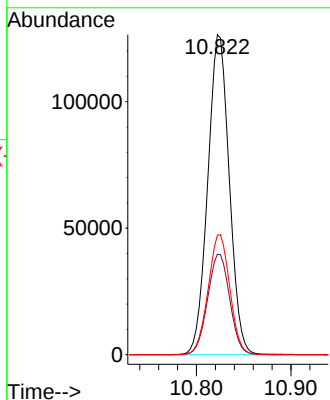
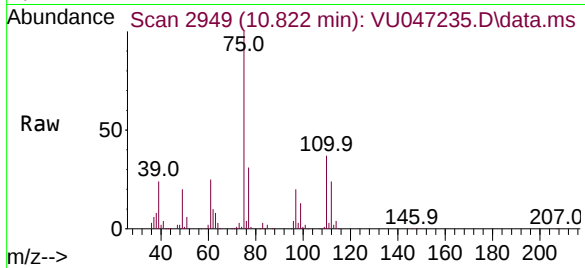




#60
1,2,3-Trichloropropane
Concen: 45.651 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

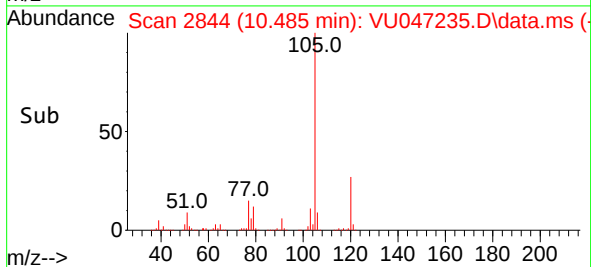
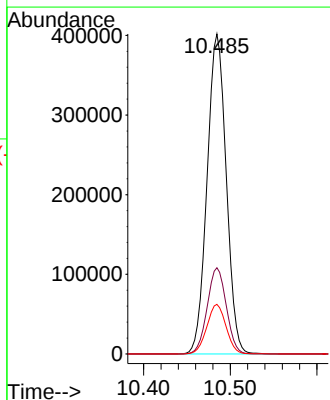
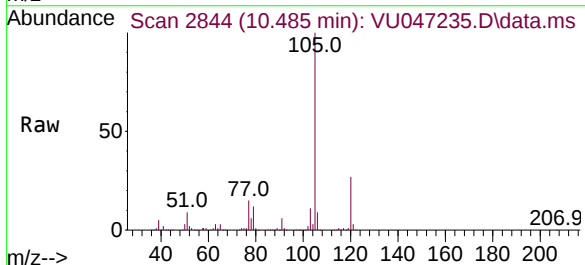
Instrument :
MSVOA_U
ClientSampleId :

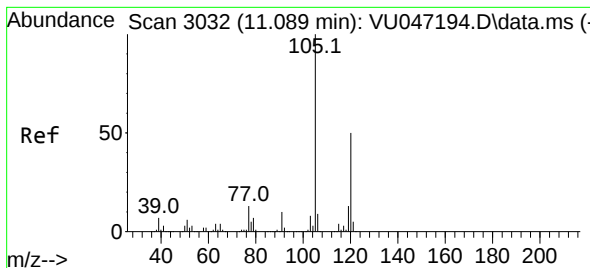
Tgt Ion: 75 Resp: 199972
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
110 37.8 32.5 48.7



#61
Isopropylbenzene
Concen: 42.743 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion: 105 Resp: 617436
Ion Ratio Lower Upper
105 100
120 26.9 20.6 31.0
77 15.5 12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 42.290 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

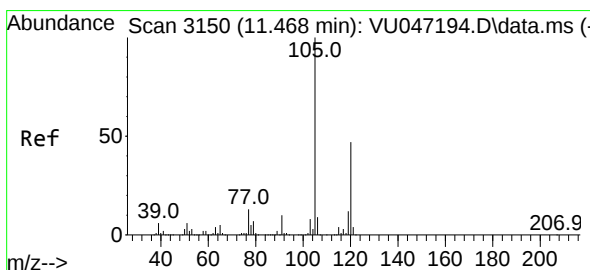
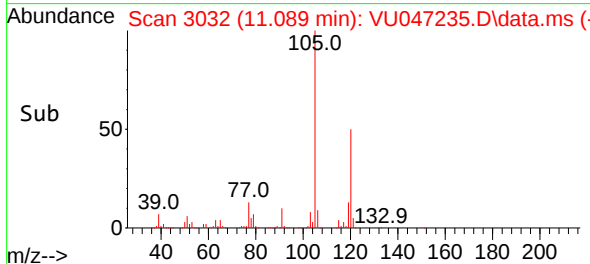
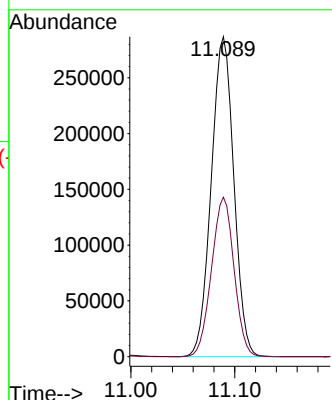
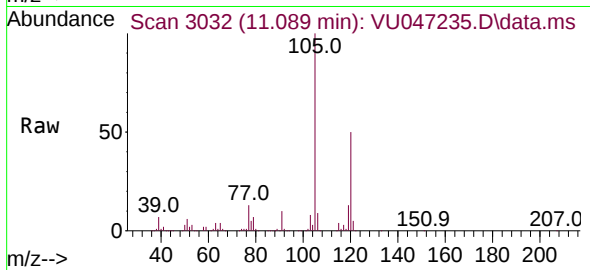
ClientSampleId :

Tgt Ion:105 Resp: 432953

Ion Ratio Lower Upper

105 100

120 49.7 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 43.277 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU047235.D

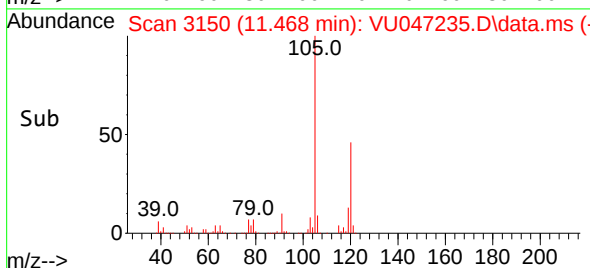
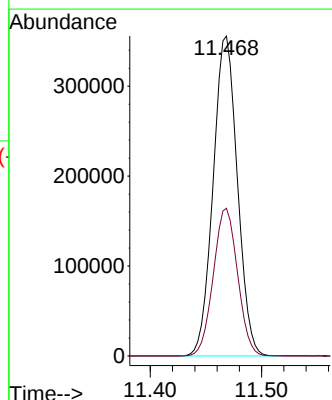
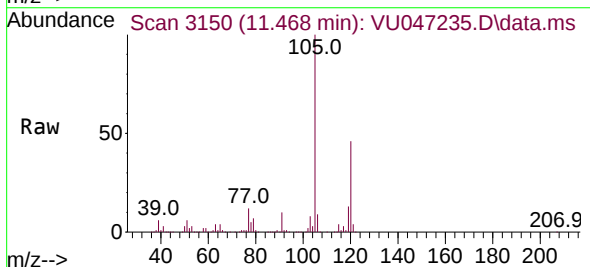
Acq: 22 Feb 2022 16:36

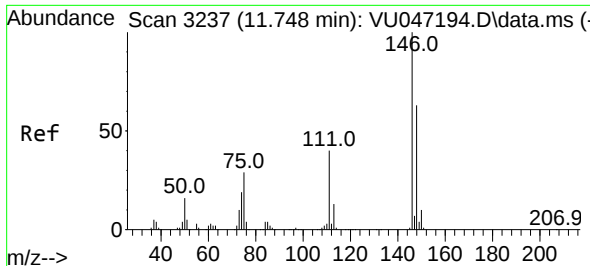
Tgt Ion:105 Resp: 537925

Ion Ratio Lower Upper

105 100

120 46.2 35.4 53.2

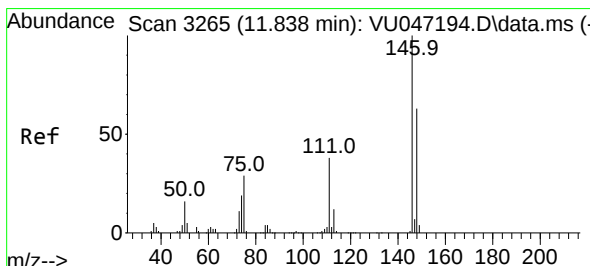
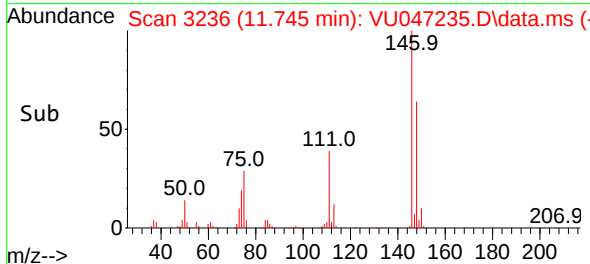
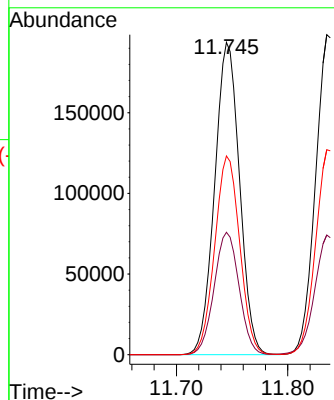
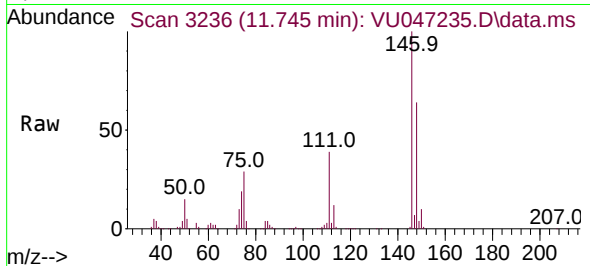




#64
 1,3-Dichlorobenzene
 Concen: 44.611 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU047235.D
 Acq: 22 Feb 2022 16:36

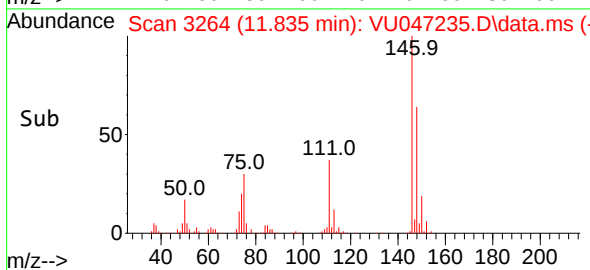
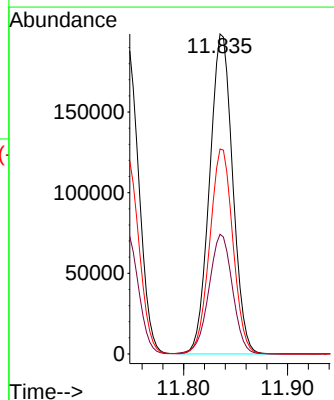
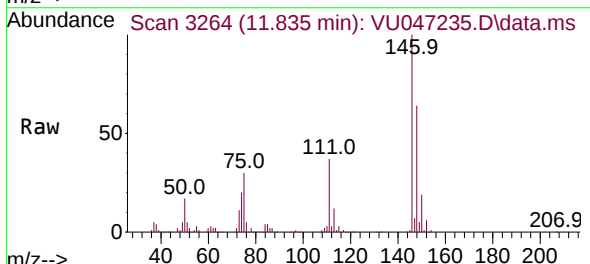
Instrument :
 MSVOA_U
 ClientSampleId :

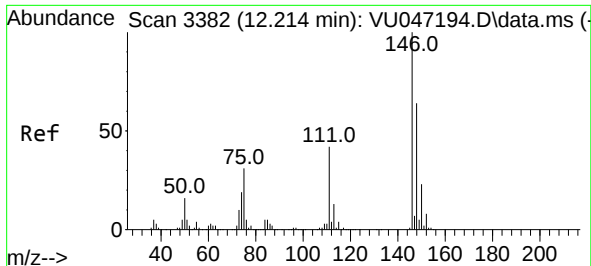
Tgt Ion:146 Resp: 300694
 Ion Ratio Lower Upper
 146 100
 111 39.2 29.4 54.6
 148 63.6 45.8 85.2



#65
 1,4-Dichlorobenzene
 Concen: 45.132 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.003 min
 Lab File: VU047235.D
 Acq: 22 Feb 2022 16:36

Tgt Ion:146 Resp: 305794
 Ion Ratio Lower Upper
 146 100
 111 37.4 28.9 53.7
 148 64.1 44.5 82.7

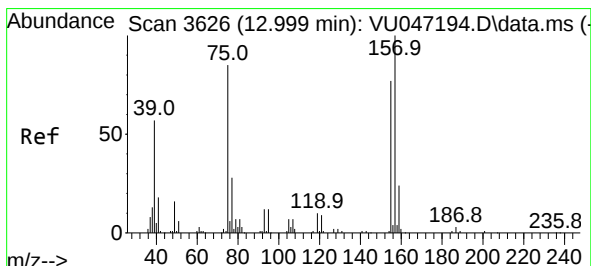
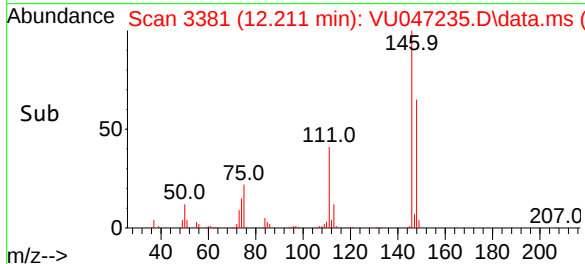
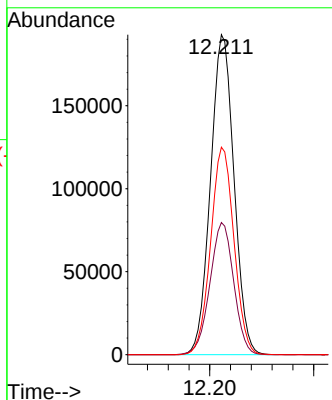
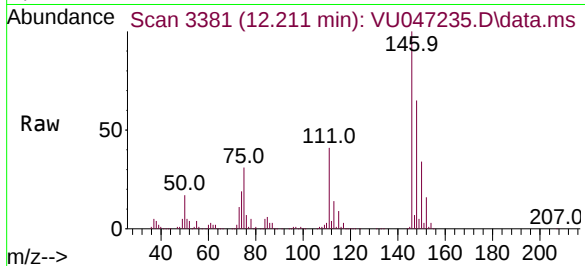




#67
1,2-Dichlorobenzene
Concen: 45.151 ug/L
RT: 12.211 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

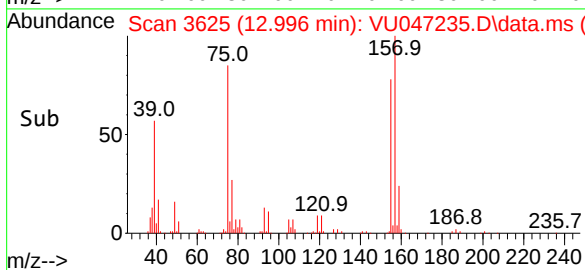
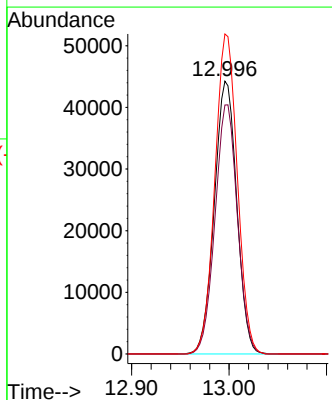
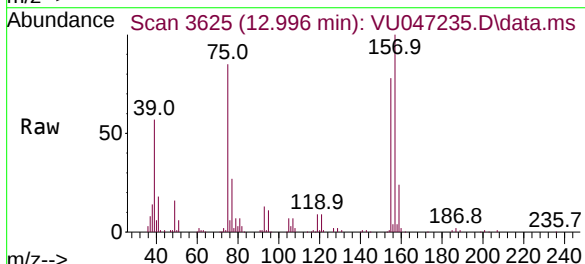
Instrument :
MSVOA_U
ClientSampleId :

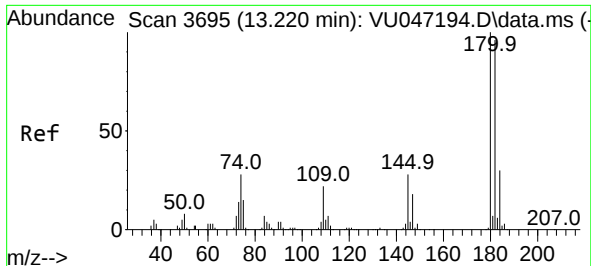
Tgt Ion:146 Resp: 302860
Ion Ratio Lower Upper
146 100
111 41.3 34.2 51.4
148 64.8 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 50.791 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion: 75 Resp: 70885
Ion Ratio Lower Upper
75 100
155 91.2 65.0 97.4
157 117.3 79.7 119.5





#69

1,3,5-Trichlorobenzene

Concen: 48.040 ug/L

RT: 13.218 min Scan# 3694

Delta R.T. -0.003 min

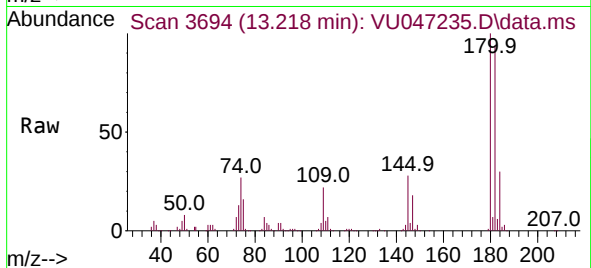
Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 250414

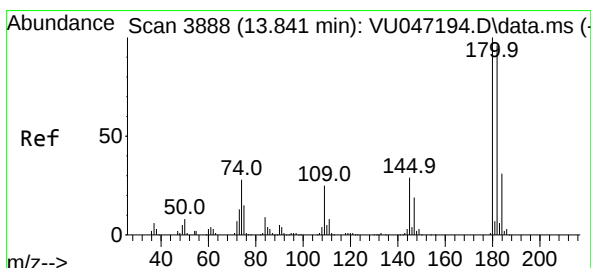
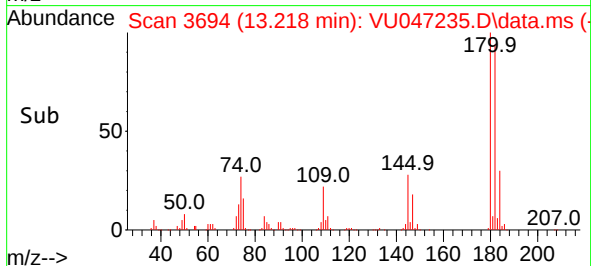
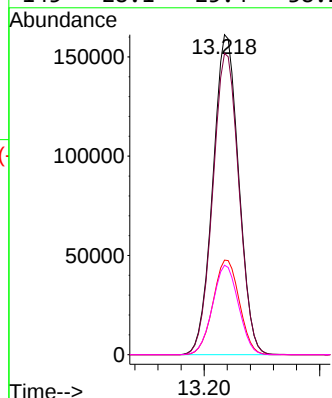
Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.6

184 30.2 24.7 37.1

145 28.1 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 47.743 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU047235.D

Acq: 22 Feb 2022 16:36

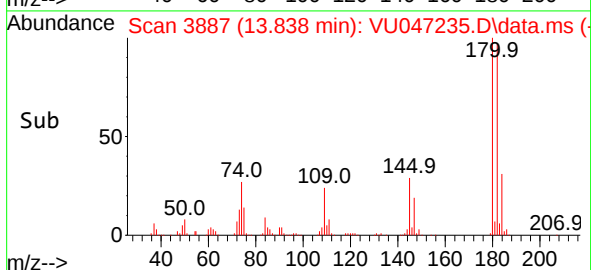
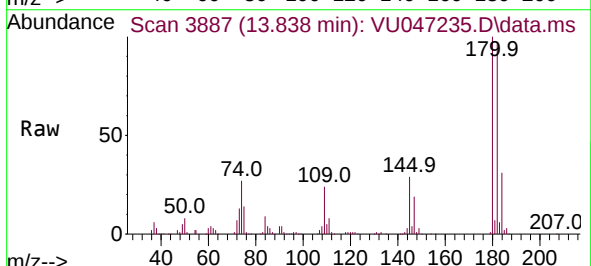
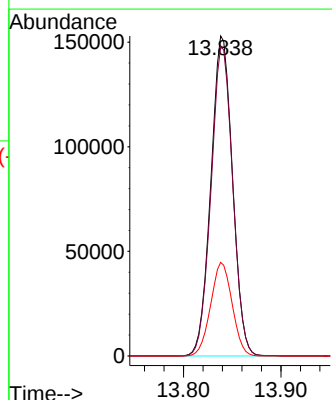
Tgt Ion:180 Resp: 235909

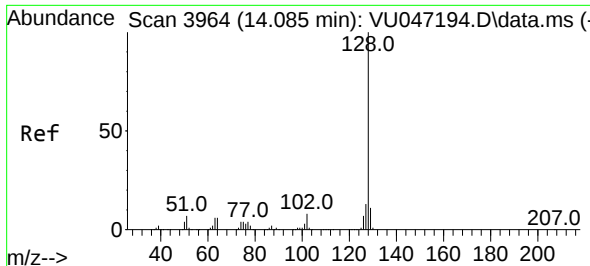
Ion Ratio Lower Upper

180 100

182 96.6 76.6 114.8

145 28.9 25.2 37.8

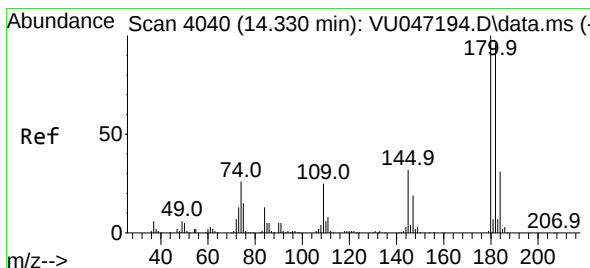
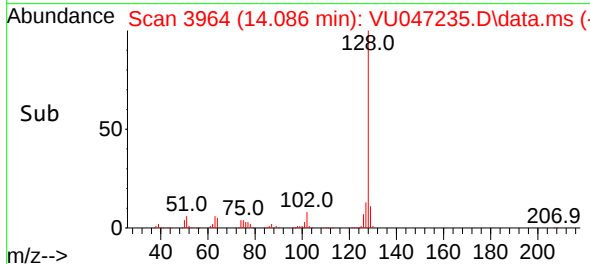
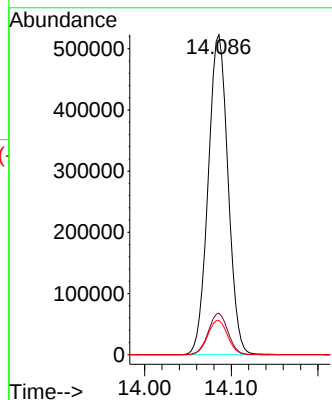
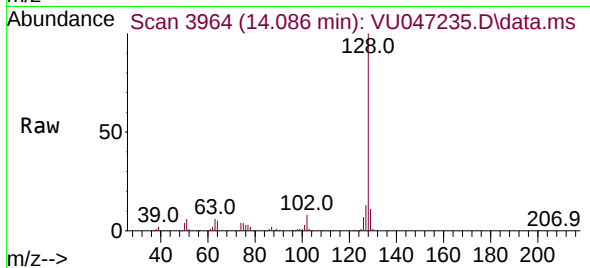




#71
Naphthalene
Concen: 47.582 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 832346
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 47.753 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU047235.D
Acq: 22 Feb 2022 16:36

Tgt Ion:180 Resp: 234942
Ion Ratio Lower Upper
180 100
182 95.3 76.6 115.0
145 30.3 27.4 41.2

