

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041222\
 Data File : VU047941.D
 Acq On : 12 Apr 2022 09:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 13 01:23:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 12 04:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	367769	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	381351	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	231114	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	113416	42.527	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.060%
7) Chloroethane-d5	1.916	69	100084	47.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.180%
11) 1,1-Dichloroethene-d2	2.571	63	201929	41.384	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.760%
21) 2-Butanone-d5	4.633	46	202445	88.439	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.440%
24) Chloroform-d	5.067	84	224186	45.942	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.880%
26) 1,2-Dichloroethane-d4	5.703	65	136224	45.516	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.040%
32) Benzene-d6	5.729	84	420952	43.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.740%
36) 1,2-Dichloropropane-d6	6.694	67	136989	46.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.960%
41) Toluene-d8	7.899	98	386540	41.345	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.680%
43) trans-1,3-Dichloroprop...	8.182	79	61326	41.076	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.160%
47) 2-Hexanone-d5	8.636	63	149419	86.612	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.610%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	222421	43.978	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.960%
66) 1,2-Dichlorobenzene-d4	12.195	152	171510	41.712	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	156818	45.993	ug/L	100
3) Chloromethane	1.523	50	155752	47.766	ug/L	99
5) Vinyl chloride	1.607	62	161848	48.668	ug/L	97
6) Bromomethane	1.861	94	92177	51.498	ug/L	100
8) Chloroethane	1.938	64	103349	49.505	ug/L	97
9) Trichlorofluoromethane	2.141	101	216373	46.140	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	130547	48.160	ug/L	97
12) 1,1-Dichloroethene	2.584	96	115910	45.946	ug/L	86
13) Acetone	2.645	43	224047	105.176	ug/L	98
14) Carbon disulfide	2.797	76	323174	40.527	ug/L	100
15) Methyl Acetate	2.954	43	149878	44.123	ug/L	99
16) Methylene chloride	3.051	84	140853	48.656	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	123900	45.534	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	369634	48.151	ug/L	100
19) 1,1-Dichloroethane	3.874	63	233016	49.654	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	141415	47.406	ug/L	95
22) 2-Butanone	4.713	43	253205	92.273	ug/L	97
23) Bromochloromethane	4.977	128	80143	48.932	ug/L	97
25) Chloroform	5.092	83	249922	49.466	ug/L	100

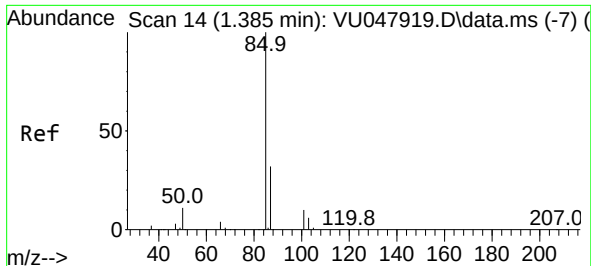
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041222\
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 Quant Title : VOC Analysis
 QLast Update : Tue Apr 12 04:48:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	187895	48.136	ug/L	100
29) Cyclohexane	5.391	56	181621	46.935	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	207079	47.889	ug/L	99
31) Carbon tetrachloride	5.526	117	177992	45.584	ug/L	99
33) Benzene	5.777	78	545686	49.436	ug/L	100
34) Trichloroethene	6.546	95	138276	47.782	ug/L	96
35) Methylcyclohexane	6.767	83	205289	46.629	ug/L	98
37) 1,2-Dichloropropane	6.793	63	142364	50.734	ug/L	100
38) Bromodichloromethane	7.108	83	185228	48.069	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	206548	47.438	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	402921	90.850	ug/L	98
42) Toluene	7.970	91	595383	49.158	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	206045	47.396	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	147270	49.485	ug/L	99
46) Tetrachloroethene	8.555	164	122562	47.129	ug/L	99
48) 2-Hexanone	8.687	43	349859	91.708	ug/L	99
49) Dibromochloromethane	8.812	129	160784	46.645	ug/L	100
50) 1,2-Dibromoethane	8.925	107	159710	47.869	ug/L	99
51) Chlorobenzene	9.449	112	400634	48.717	ug/L	99
52) Ethylbenzene	9.571	91	613629	48.185	ug/L	99
53) m,p-Xylene	9.697	106	239474	47.924	ug/L	96
54) o-Xylene	10.102	106	236460	48.214	ug/L	98
55) Styrene	10.115	104	417401	49.849	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	260797	46.744	ug/L	99
59) Bromoform	10.291	173	130013	43.993	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	199704	45.836	ug/L	99
61) Isopropylbenzene	10.488	105	606665	48.570	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	315780	46.595	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	498270	48.403	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	327309	47.146	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	332163	46.191	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	328627	47.307	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	56602	40.557	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	264460	46.904	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	229161	46.402	ug/L	99
71) Naphthalene	14.089	128	661610	44.934	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	239559	48.387	ug/L	99

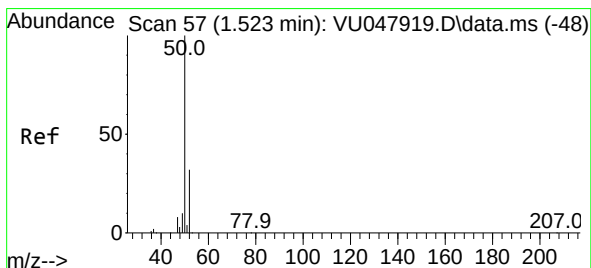
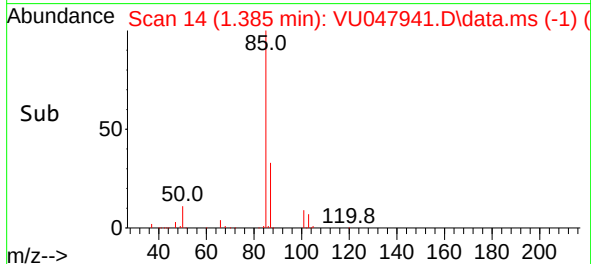
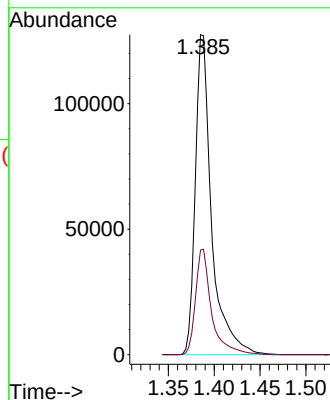
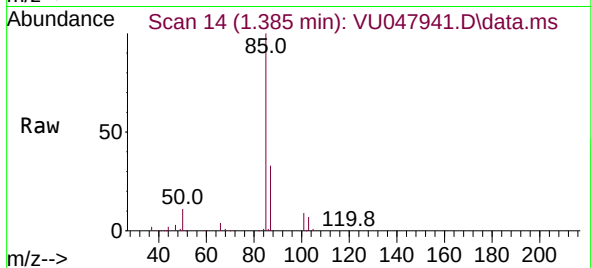
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#2
Dichlorodifluoromethane
Concen: 45.993 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

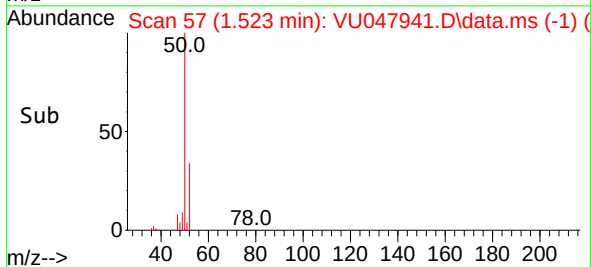
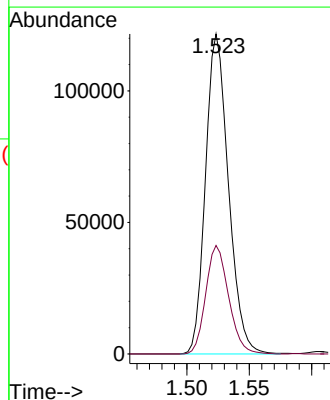
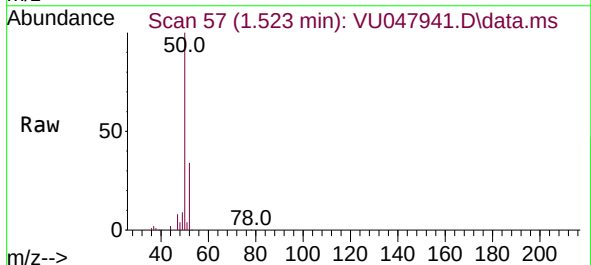
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MSVOA_U
ClientSampleId :

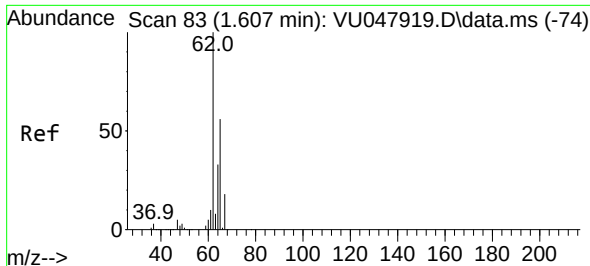
Tgt Ion: 85 Resp: 156818
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.8



#3
Chloromethane
Concen: 47.766 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Tgt Ion: 50 Resp: 155752
Ion Ratio Lower Upper
50 100
52 33.9 23.2 43.2

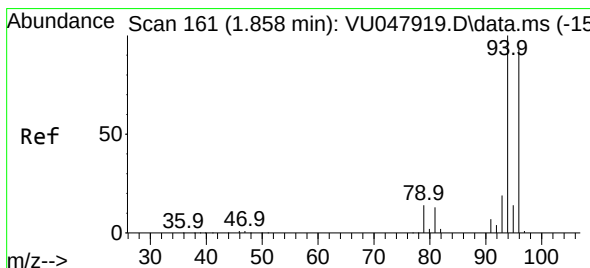
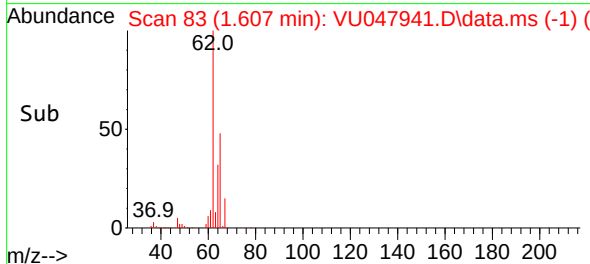
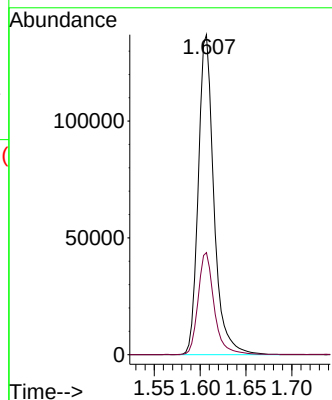
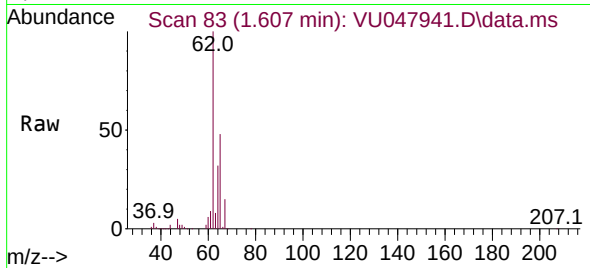




#5
 Vinyl chloride
 Concen: 48.668 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047941.D
 Acq: 12 Apr 2022 09:32

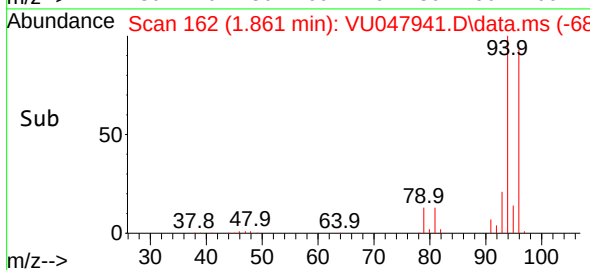
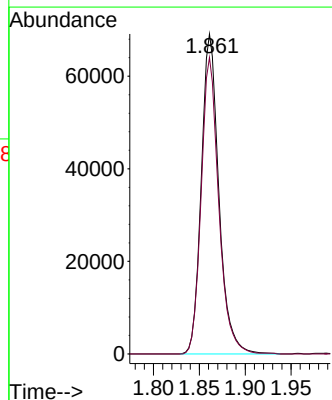
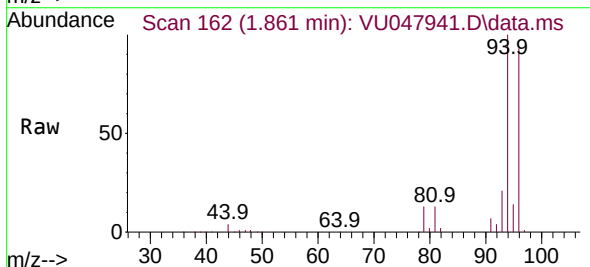
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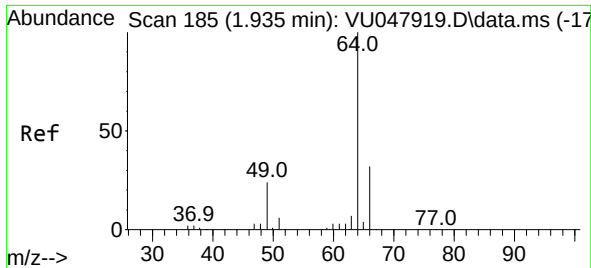
Tgt Ion: 62 Resp: 161848
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.7 43.9



#6
 Bromomethane
 Concen: 51.498 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU047941.D
 Acq: 12 Apr 2022 09:32

Tgt Ion: 94 Resp: 92177
 Ion Ratio Lower Upper
 94 100
 96 92.7 64.8 120.3

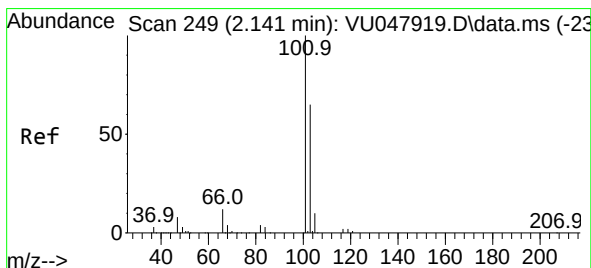
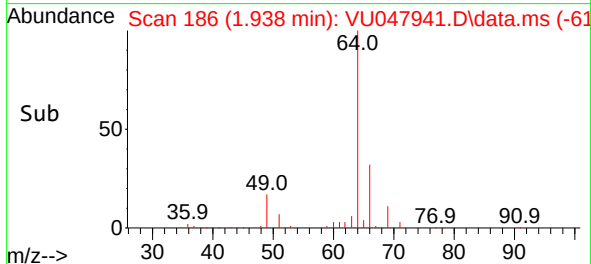
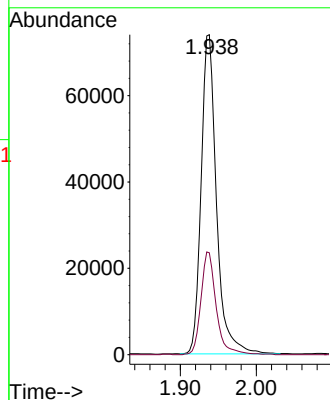
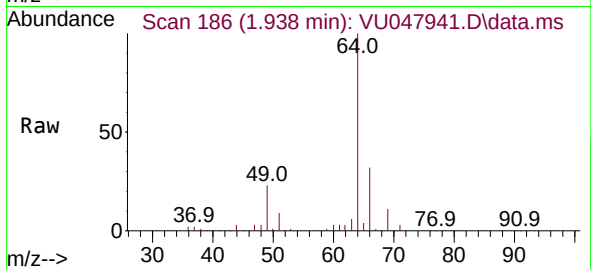




#8
Chloroethane
Concen: 49.505 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

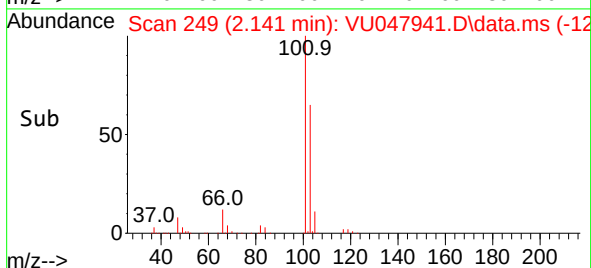
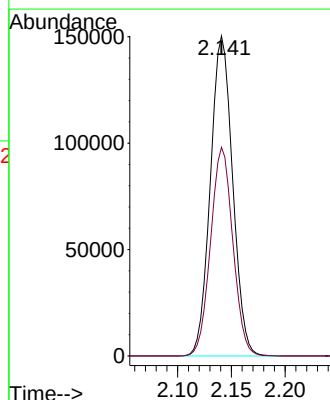
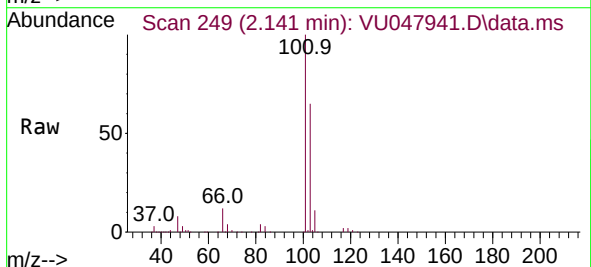
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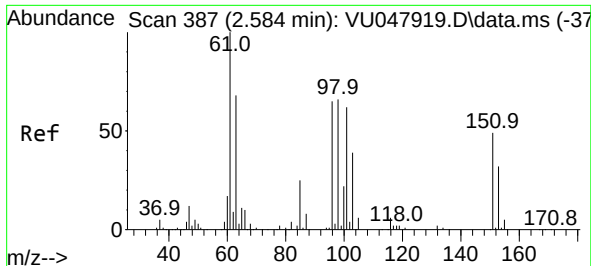
Tgt Ion: 64 Resp: 103349
Ion Ratio Lower Upper
64 100
66 31.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 46.140 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Tgt Ion:101 Resp: 216373
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2

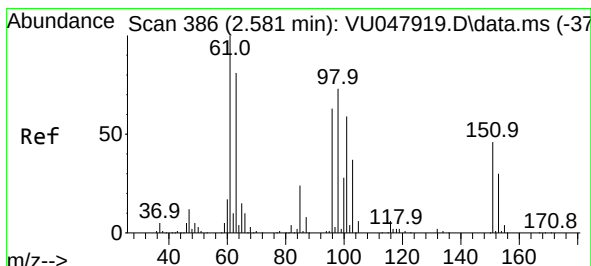
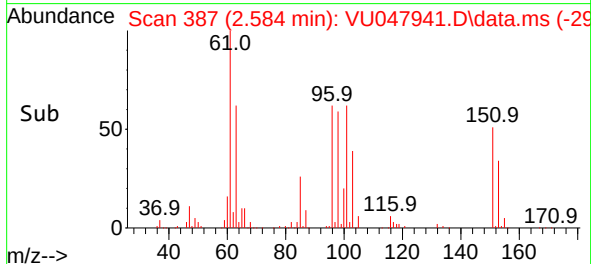
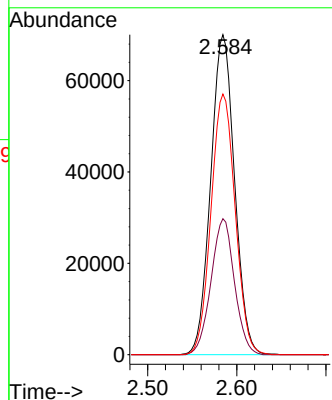
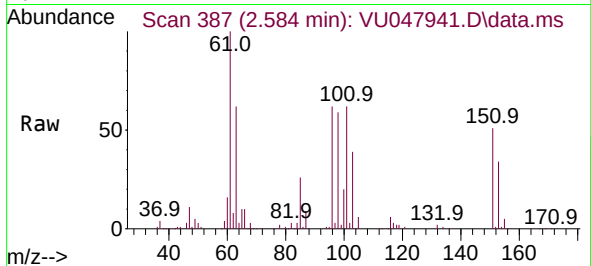




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.160 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU047941.D
 Acq: 12 Apr 2022 09:32

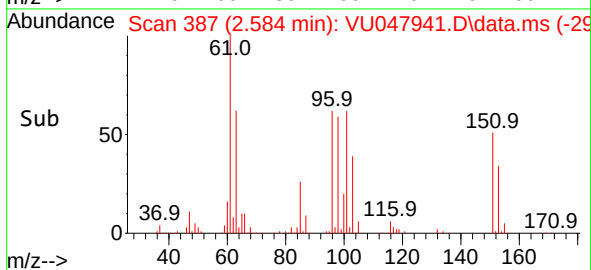
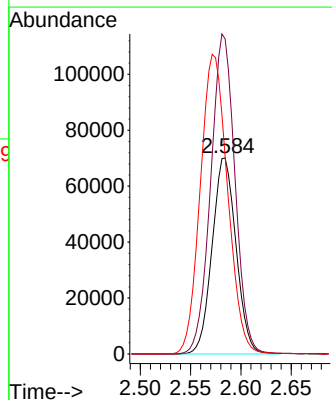
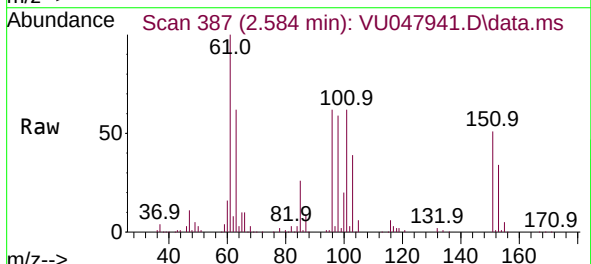
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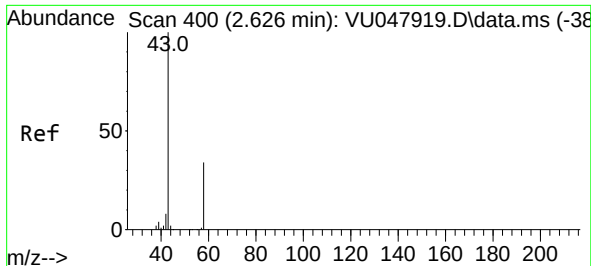
Tgt Ion:101 Resp: 130547
 Ion Ratio Lower Upper
 101 100
 85 41.7 32.8 49.2
 151 82.5 63.0 94.6



#12
 1,1-Dichloroethene
 Concen: 45.946 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.003 min
 Lab File: VU047941.D
 Acq: 12 Apr 2022 09:32

Tgt Ion: 96 Resp: 115910
 Ion Ratio Lower Upper
 96 100
 61 160.8 113.1 210.1
 63 100.5 94.8 176.0





#13

Acetone

Concen: 105.176 ug/L

RT: 2.645 min Scan# 406

Delta R.T. 0.019 min

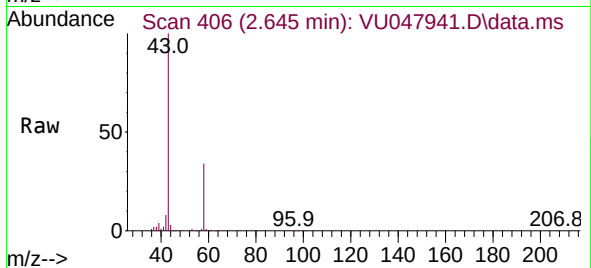
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Acq: 12 Apr 2022 09:32

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MSVOA_U

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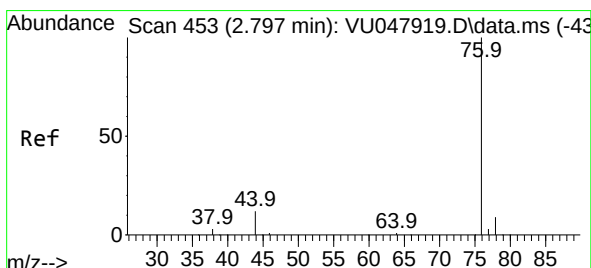
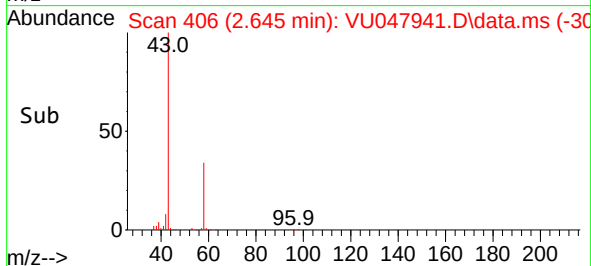
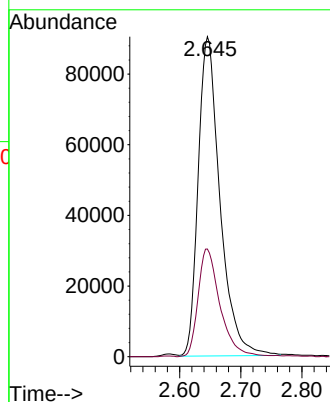


Tgt Ion: 43 Resp: 224047

Ion Ratio Lower Upper

43 100

58 33.9 0.0 70.0



#14

Carbon disulfide

Concen: 40.527 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU047941.D

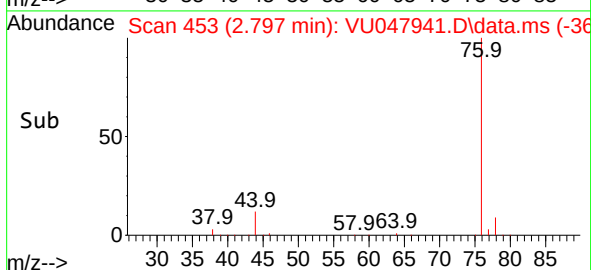
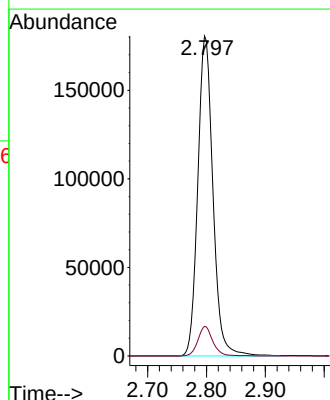
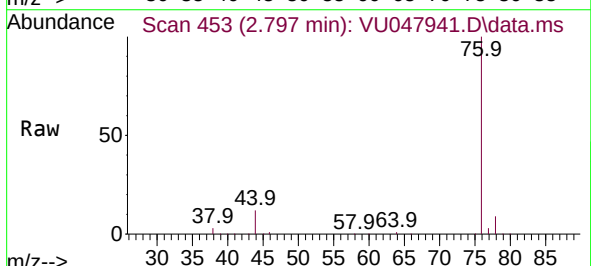
Acq: 12 Apr 2022 09:32

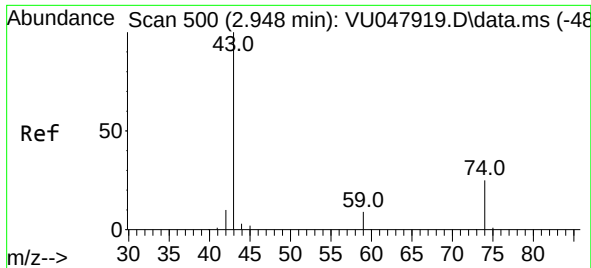
Tgt Ion: 76 Resp: 323174

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

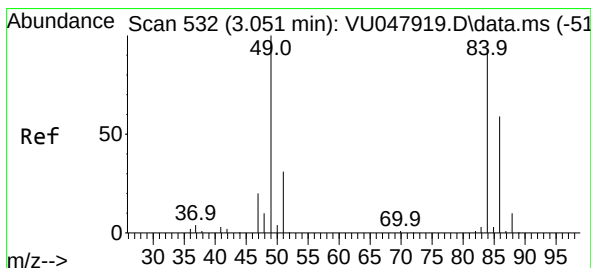
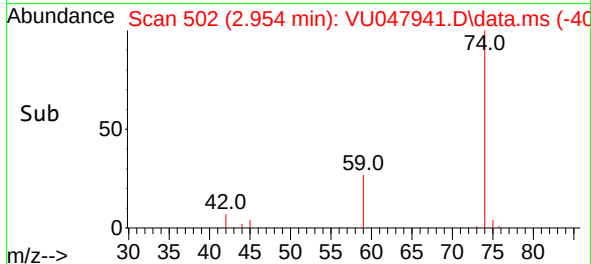
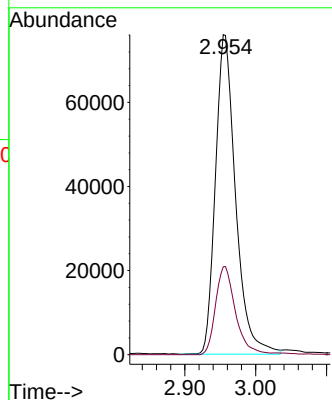
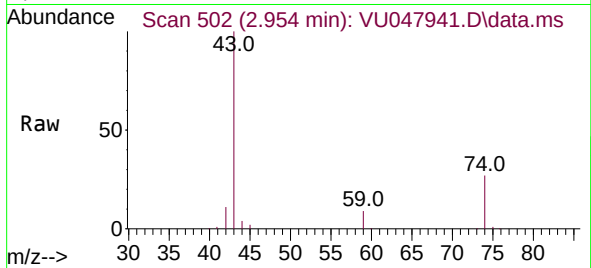




#15
Methyl Acetate
Concen: 44.123 ug/L
RT: 2.954 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

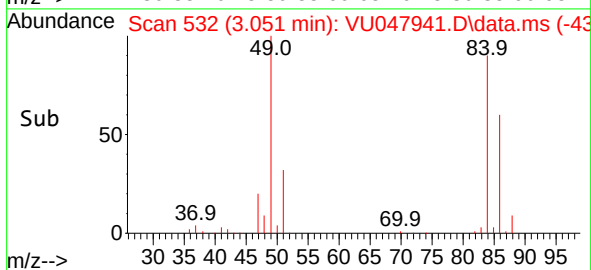
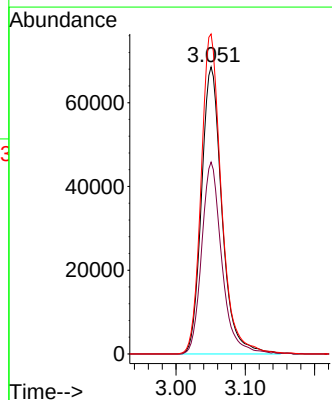
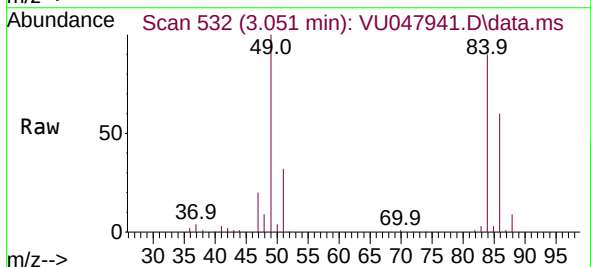
Instrument :
MSVOA_U
ClientSampleId :

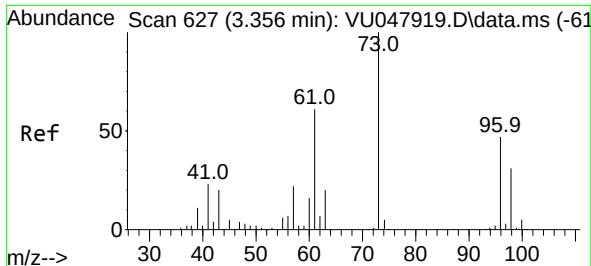
Tgt Ion: 43 Resp: 149878
Ion Ratio Lower Upper
43 100
74 27.3 22.2 33.2



#16
Methylene chloride
Concen: 48.656 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

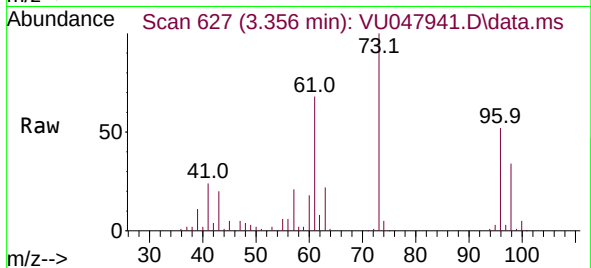
Tgt Ion: 84 Resp: 140853
Ion Ratio Lower Upper
84 100
86 66.8 46.0 85.4
49 111.5 75.3 139.8



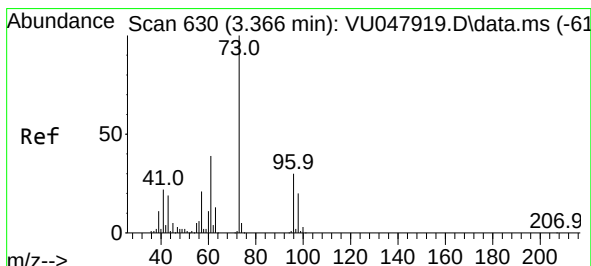
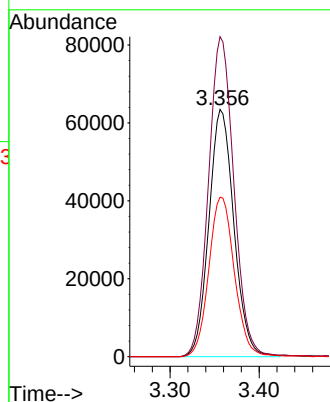
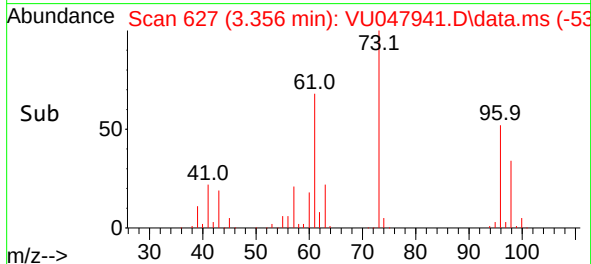


#17
trans-1,2-Dichloroethene
Concen: 45.534 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

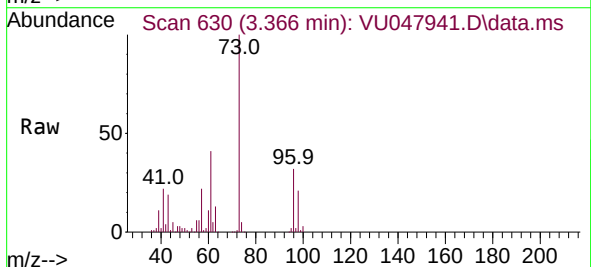
Instrument :
MSVOA_U
ClientSampleId :



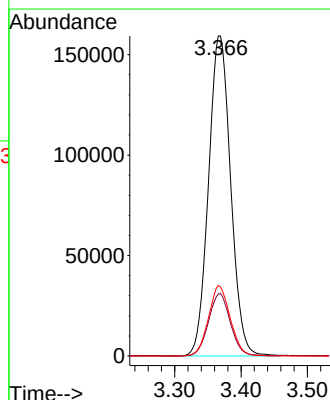
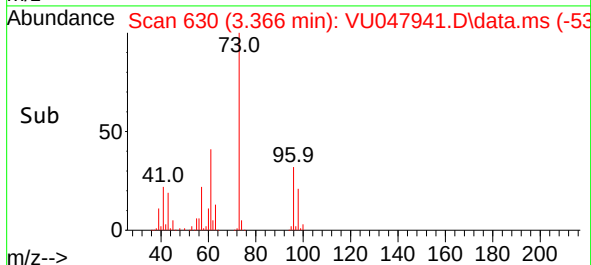
Tgt Ion: 96 Resp: 123900
Ion Ratio Lower Upper
96 100
61 129.5 88.4 164.2
98 64.6 43.3 80.5

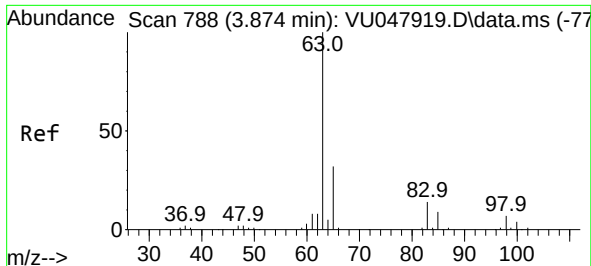


#18
Methyl tert-butyl Ether
Concen: 48.151 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32



Tgt Ion: 73 Resp: 369634
Ion Ratio Lower Upper
73 100
43 19.3 15.3 22.9
57 21.5 17.0 25.6





#19

1,1-Dichloroethane

Concen: 49.654 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

ClientSampleId :

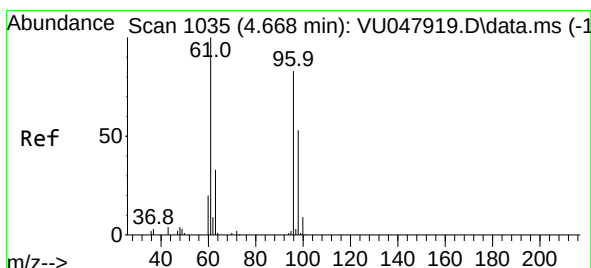
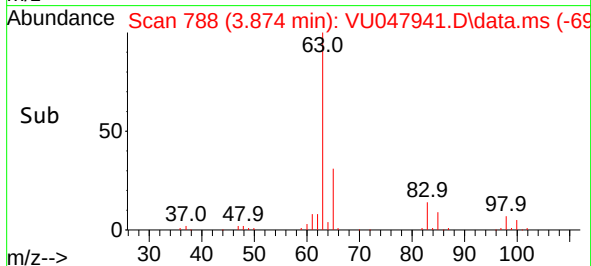
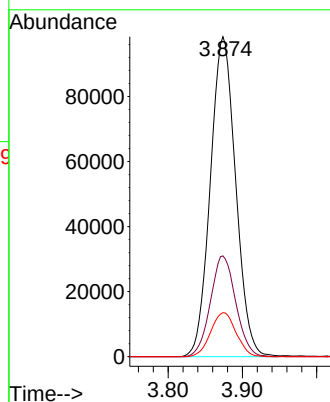
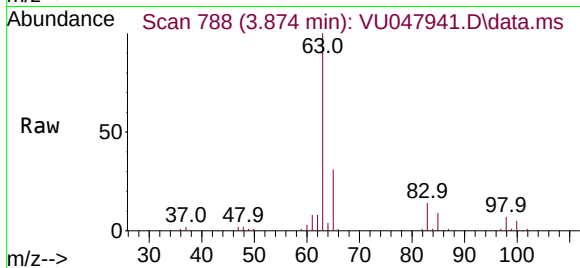
Tgt Ion: 63 Resp: 233016

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 13.7 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 47.406 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

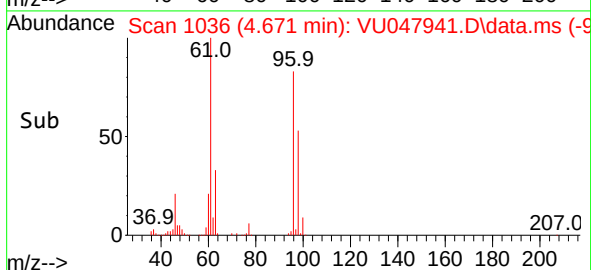
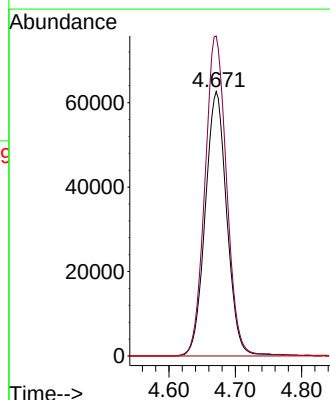
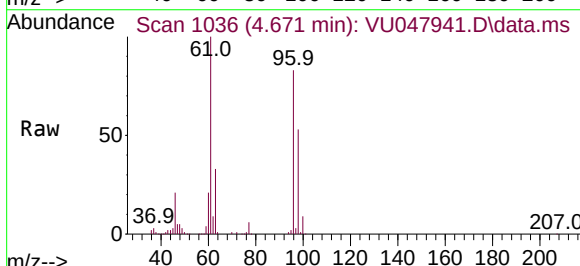
Tgt Ion: 96 Resp: 141415

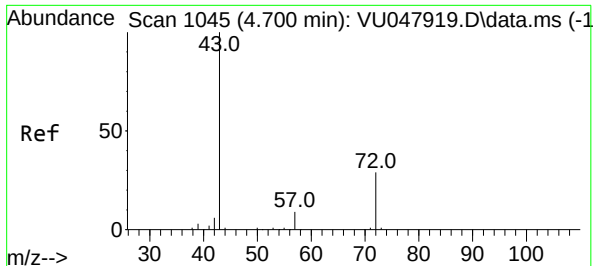
Ion Ratio Lower Upper

96 100

61 121.0 80.7 149.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.273 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.013 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

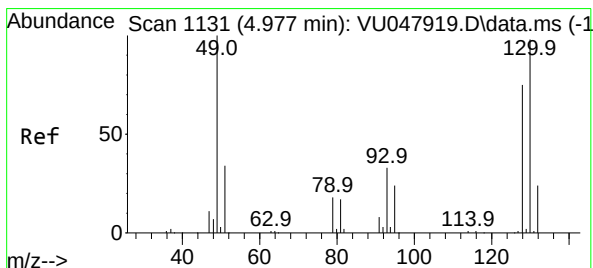
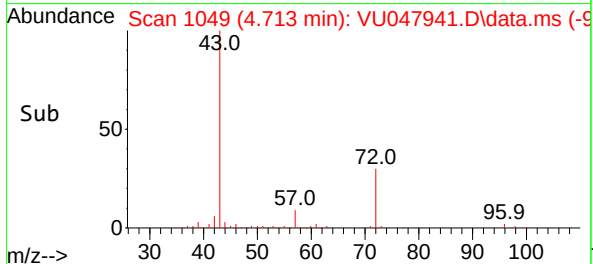
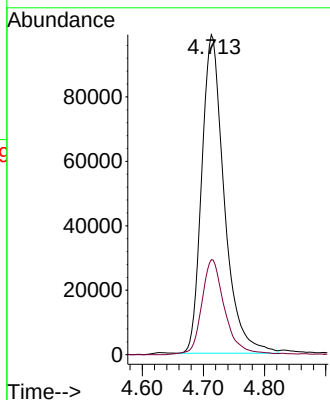
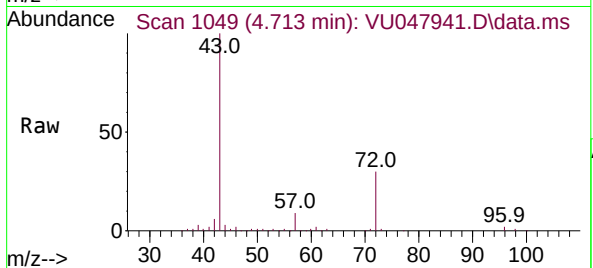
ClientSampleId :

Tgt Ion: 43 Resp: 253205

Ion Ratio Lower Upper

43 100

72 30.4 16.0 47.9



#23

Bromochloromethane

Concen: 48.932 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Tgt Ion: 128 Resp: 80143

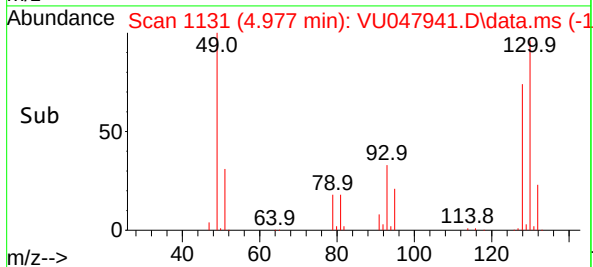
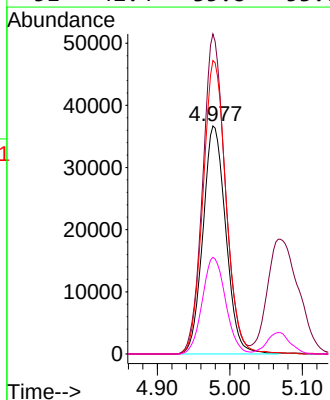
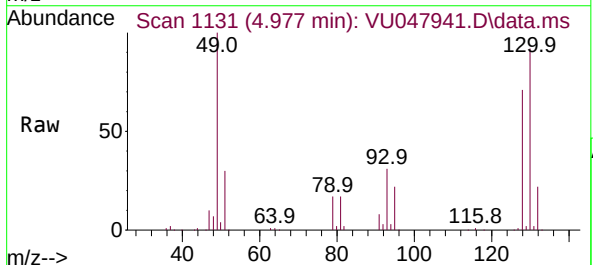
Ion Ratio Lower Upper

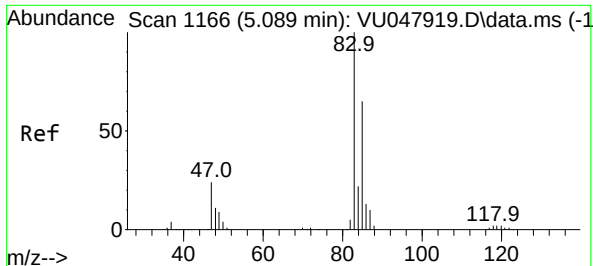
128 100

49 140.3 94.1 174.8

130 128.7 90.2 167.4

51 42.4 35.8 53.6





#25

Chloroform

Concen: 49.466 ug/L

RT: 5.092 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

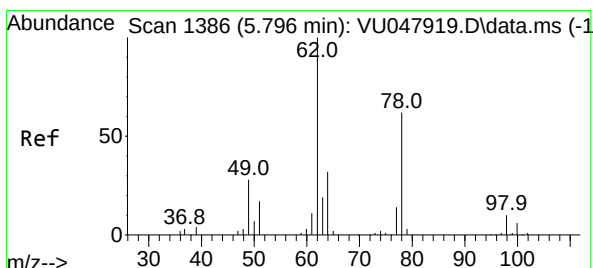
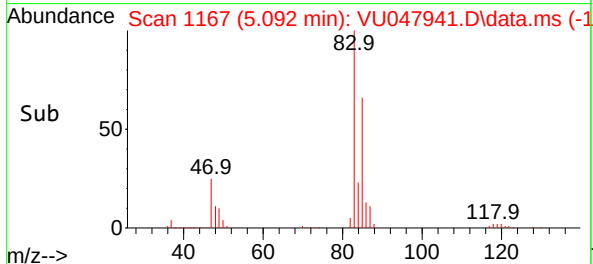
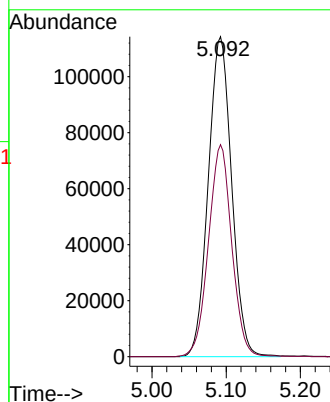
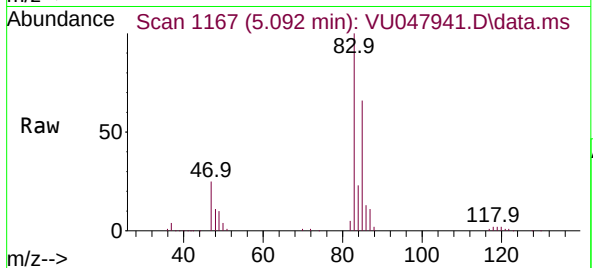
ClientSampleId :

Tgt Ion: 83 Resp: 249922

Ion Ratio Lower Upper

83 100

85 66.2 46.2 85.8



#27

1,2-Dichloroethane

Concen: 48.136 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU047941.D

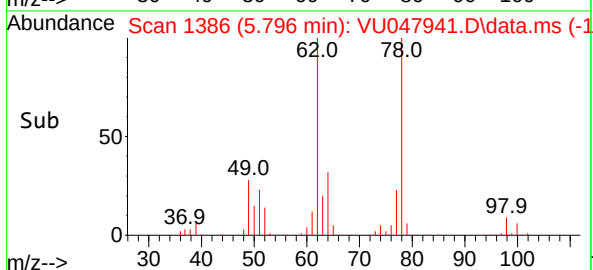
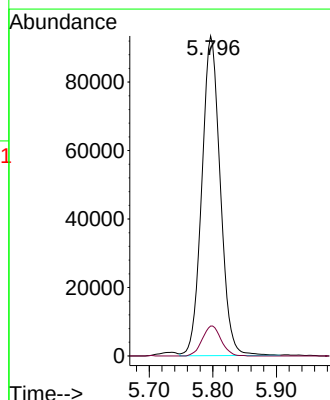
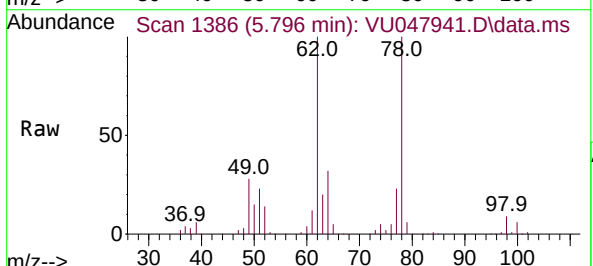
Acq: 12 Apr 2022 09:32

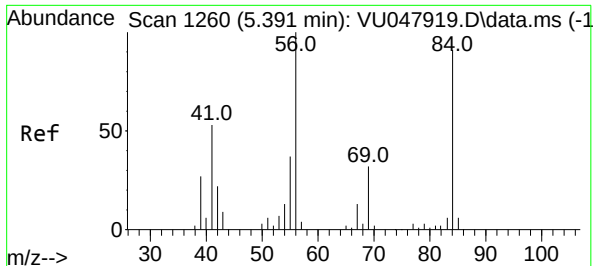
Tgt Ion: 62 Resp: 187895

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.0





#29

Cyclohexane

Concen: 46.935 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

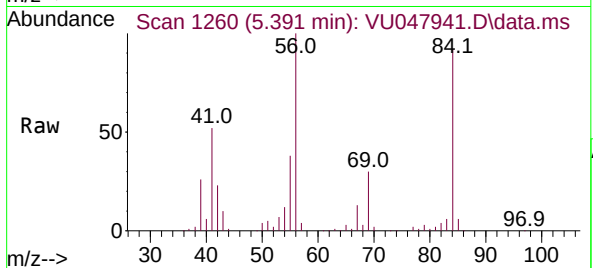
Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

ClientSampleId :



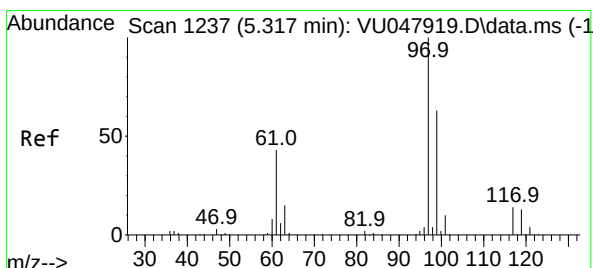
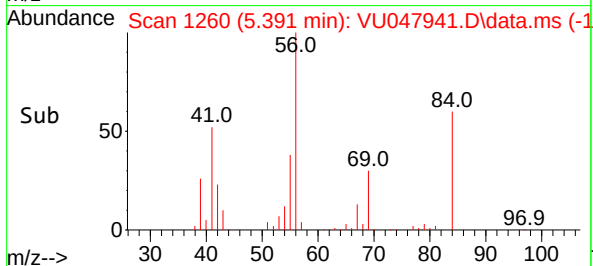
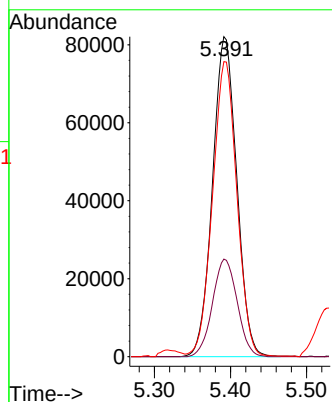
Tgt Ion: 56 Resp: 181621

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.2

84 92.7 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 47.889 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.003 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

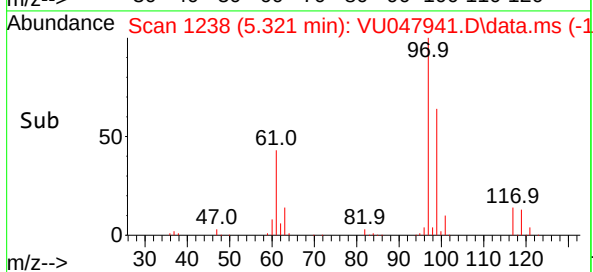
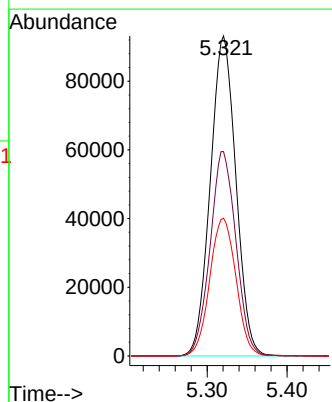
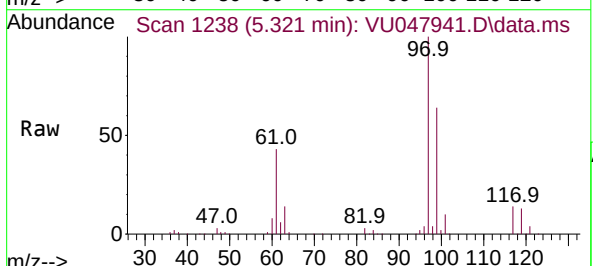
Tgt Ion: 97 Resp: 207079

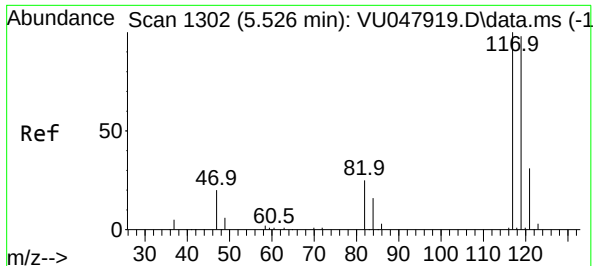
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 44.2 34.2 51.4

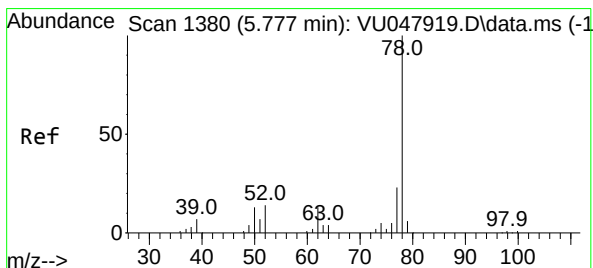
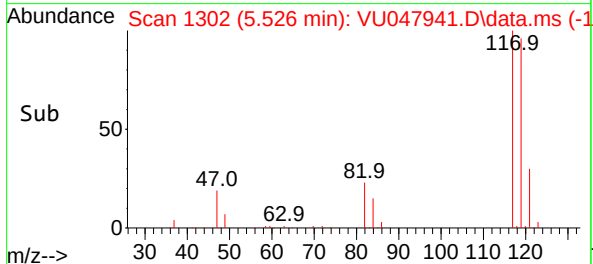
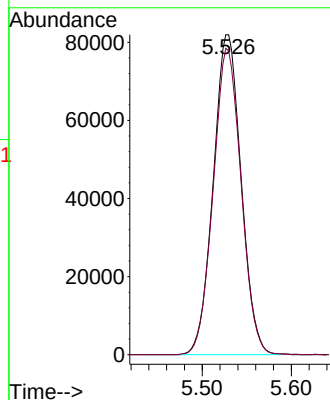
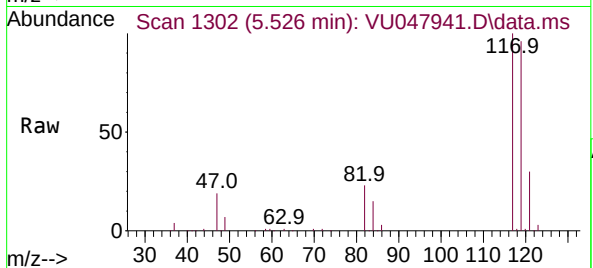




#31
Carbon tetrachloride
Concen: 45.584 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

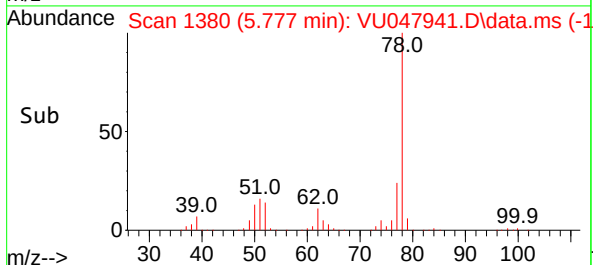
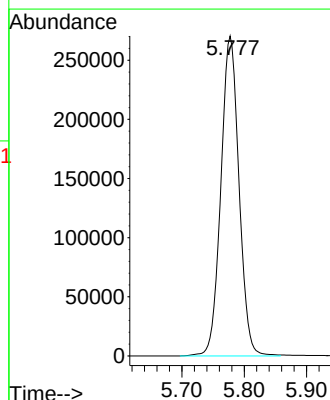
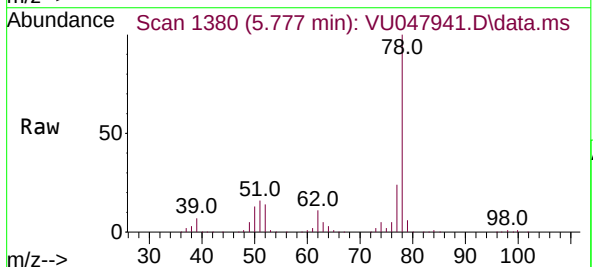
Instrument :
MSVOA_U
ClientSampleId :

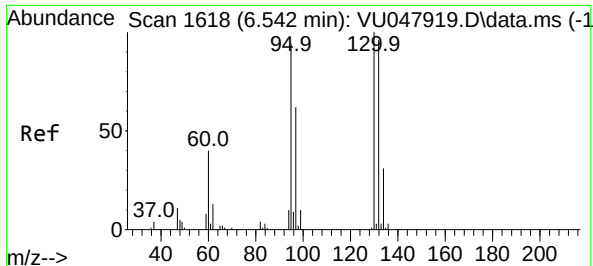
Tgt Ion:117 Resp: 177992
Ion Ratio Lower Upper
117 100
119 95.7 77.2 115.8



#33
Benzene
Concen: 49.436 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

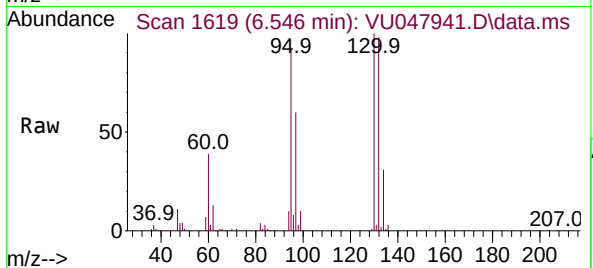
Tgt Ion: 78 Resp: 545686



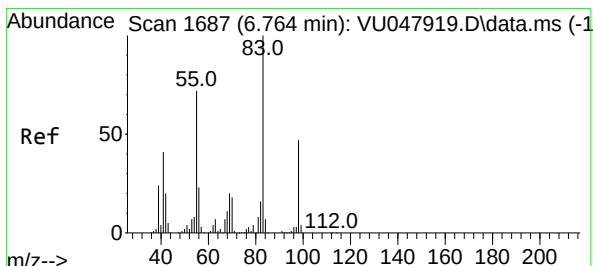
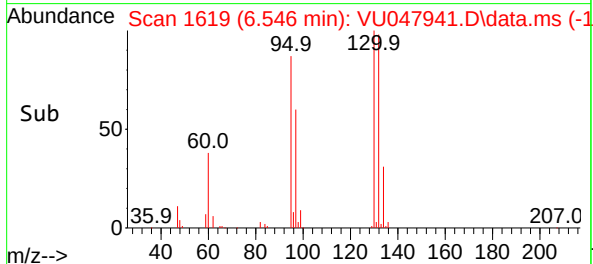
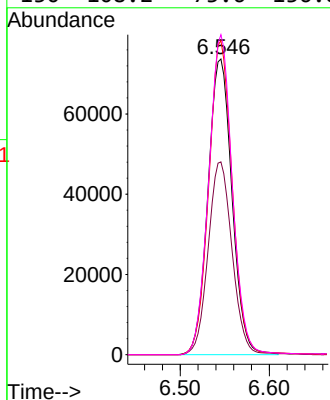


#34
Trichloroethene
Concen: 47.782 ug/L
RT: 6.546 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Instrument :
MSVOA_U
ClientSampleId :

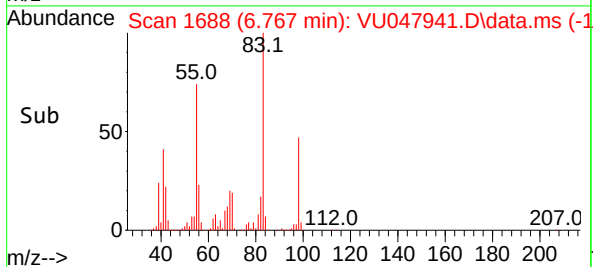
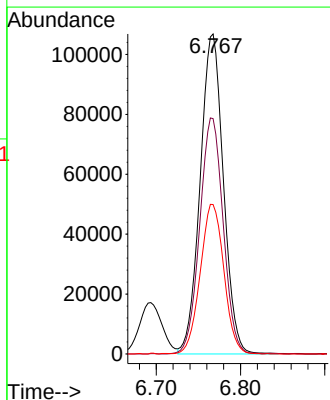
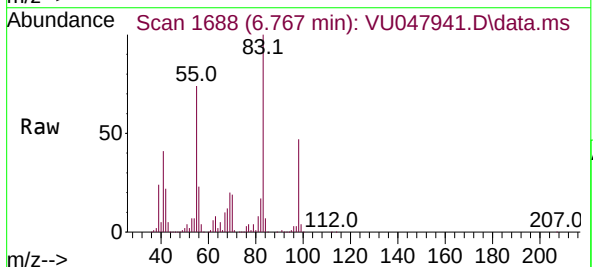


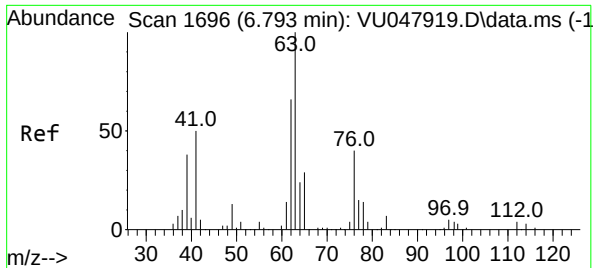
Tgt Ion: 95 Resp: 138276
Ion Ratio Lower Upper
95 100
97 65.2 44.7 82.9
132 106.2 70.4 130.8
130 108.2 73.6 136.8



#35
Methylcyclohexane
Concen: 46.629 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Tgt Ion: 83 Resp: 205289
Ion Ratio Lower Upper
83 100
55 74.3 56.8 85.2
98 47.5 38.1 57.1

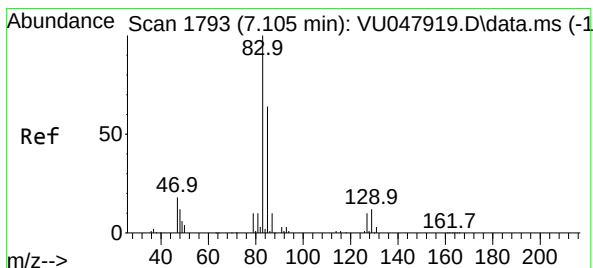
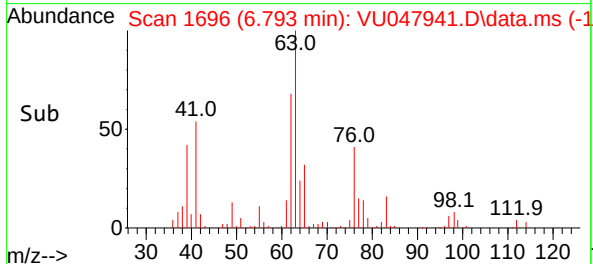
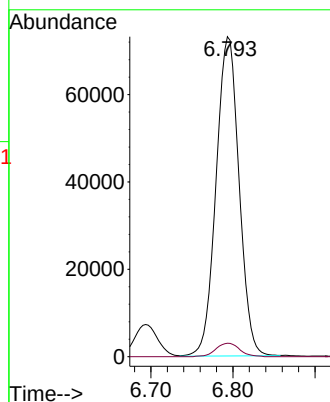
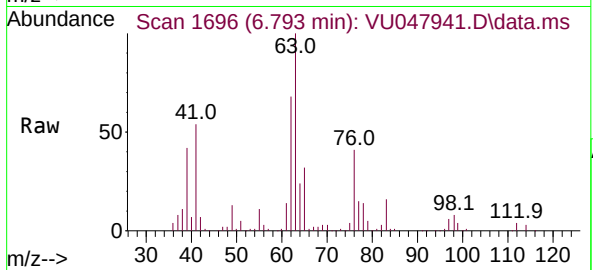




#37
1,2-Dichloropropane
Concen: 50.734 ug/L
RT: 6.793 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

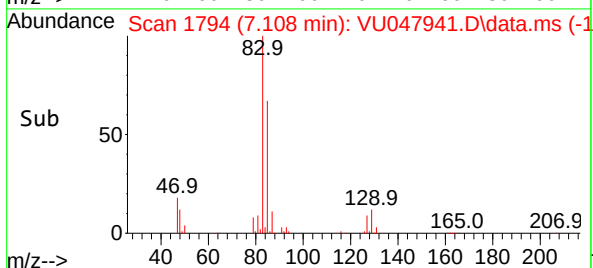
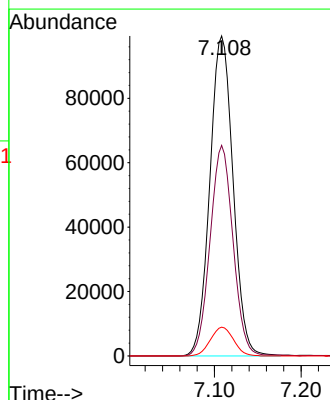
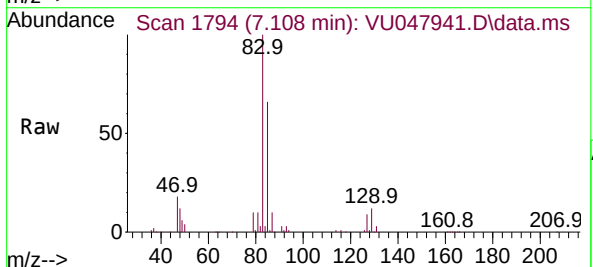
Instrument :
MSVOA_U
ClientSampleId :

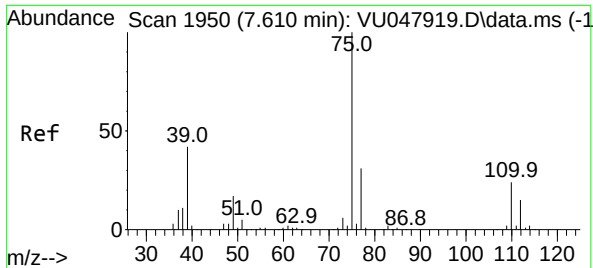
Tgt Ion: 63 Resp: 142364
Ion Ratio Lower Upper
63 100
112 4.4 3.4 5.2



#38
Bromodichloromethane
Concen: 48.069 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Tgt Ion: 83 Resp: 185228
Ion Ratio Lower Upper
83 100
85 65.8 44.4 82.4
127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 47.438 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

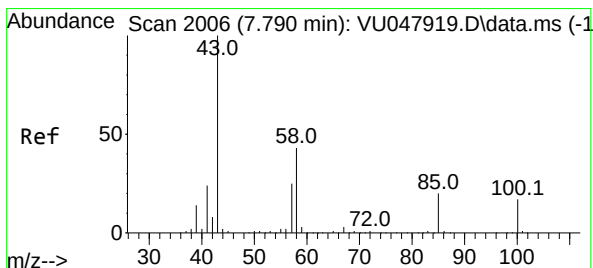
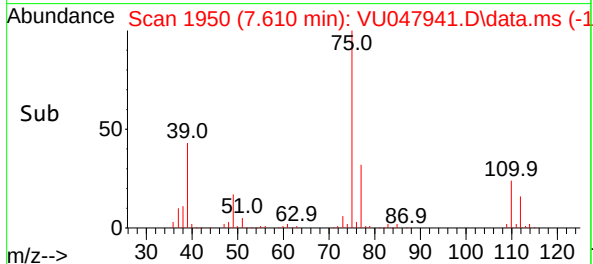
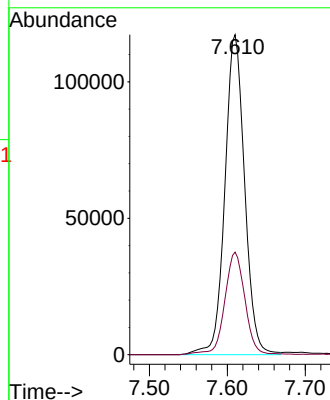
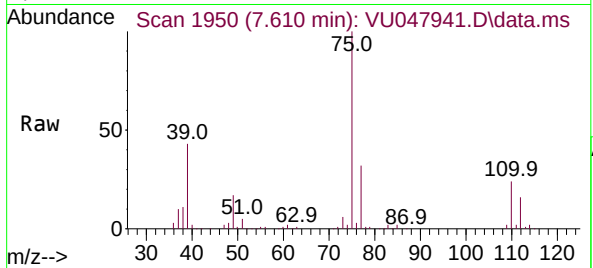
ClientSampleId :

Tgt Ion: 75 Resp: 206548

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 90.850 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

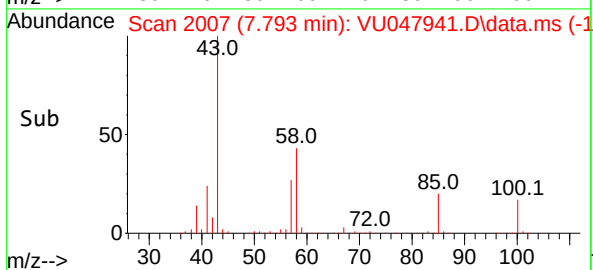
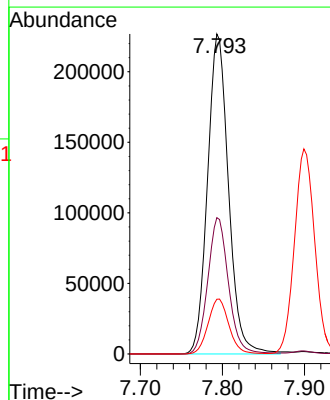
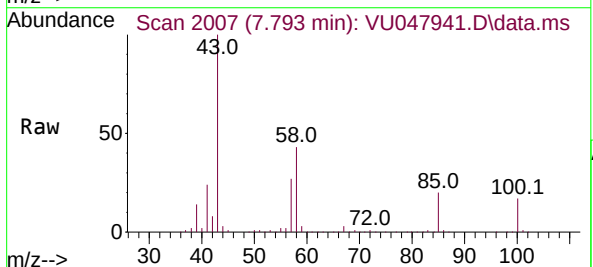
Tgt Ion: 43 Resp: 402921

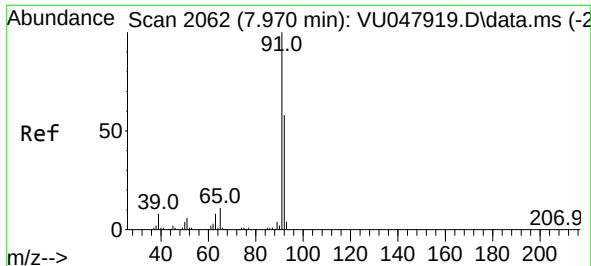
Ion Ratio Lower Upper

43 100

58 42.1 34.7 52.1

100 17.1 14.2 21.2





#42

Toluene

Concen: 49.158 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

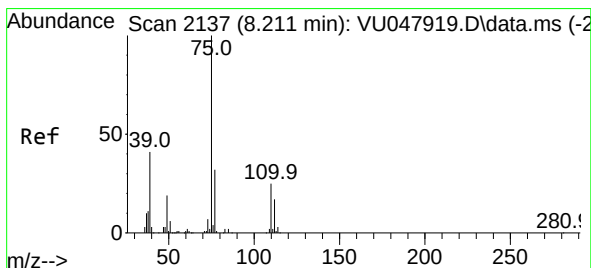
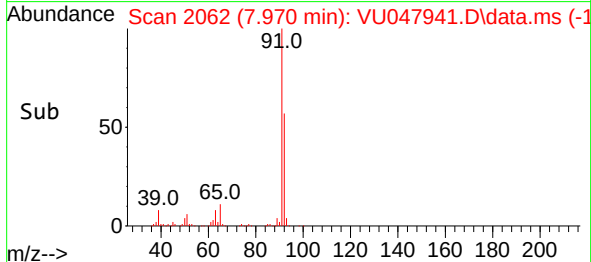
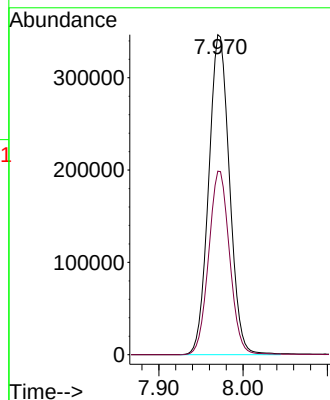
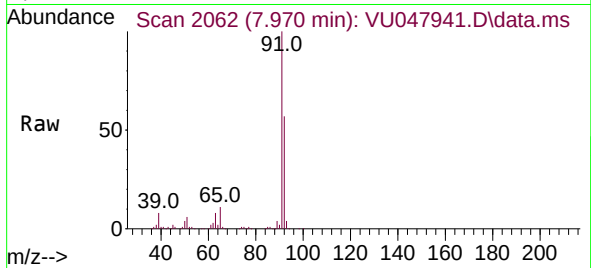
ClientSampleId :

Tgt Ion: 91 Resp: 595383

Ion Ratio Lower Upper

91 100

92 57.3 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 47.396 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU047941.D

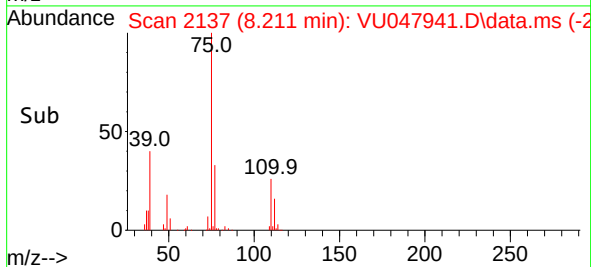
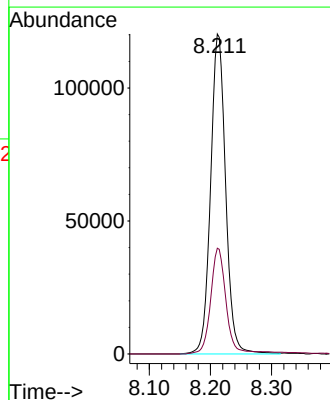
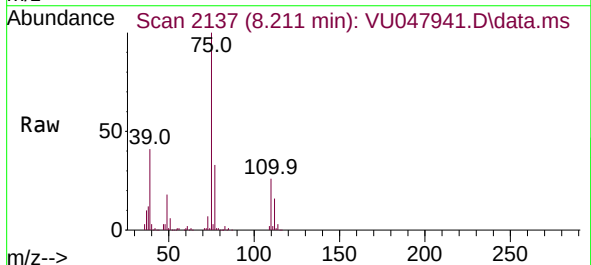
Acq: 12 Apr 2022 09:32

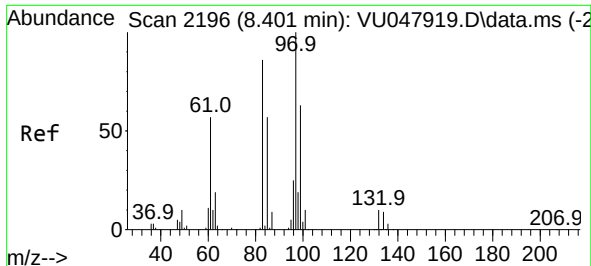
Tgt Ion: 75 Resp: 206045

Ion Ratio Lower Upper

75 100

77 33.1 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 49.485 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

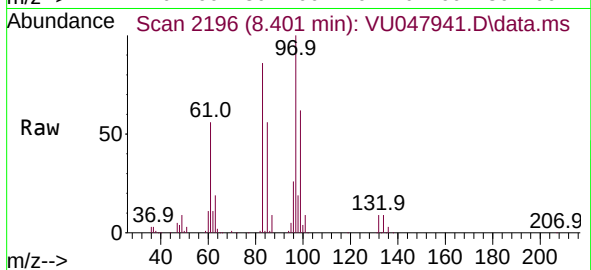
Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 147270

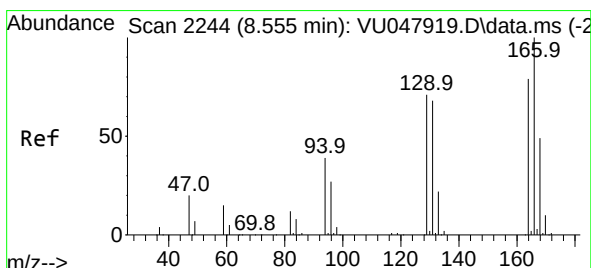
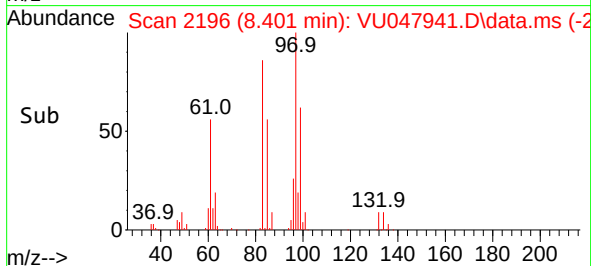
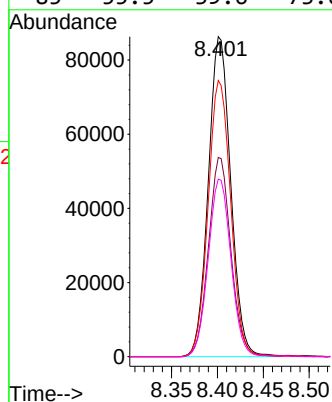
Ion Ratio Lower Upper

97 100

99 62.3 43.3 80.3

83 86.3 61.0 113.4

85 55.5 39.6 73.6



#46

Tetrachloroethene

Concen: 47.129 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Tgt Ion:164 Resp: 122562

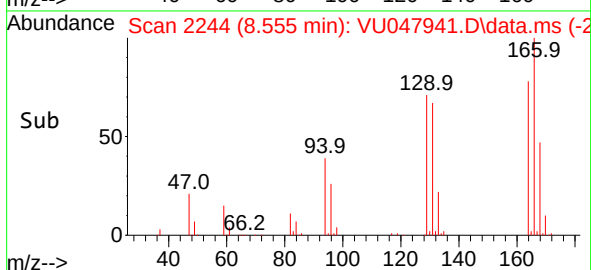
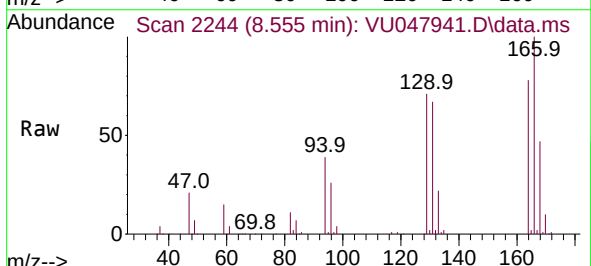
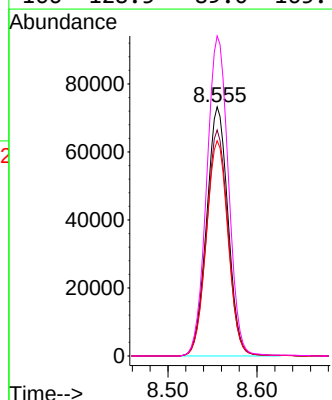
Ion Ratio Lower Upper

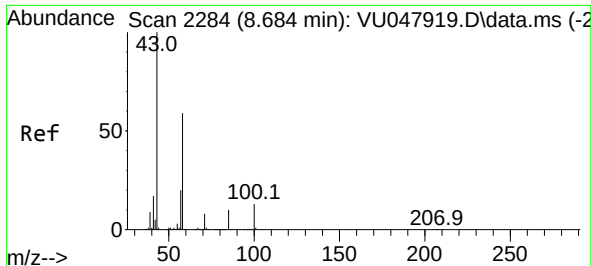
164 100

129 90.7 62.4 116.0

131 86.4 60.7 112.7

166 128.5 89.0 165.4

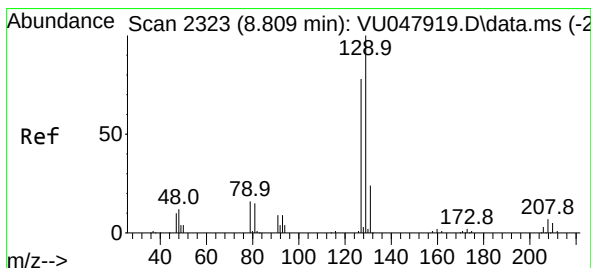
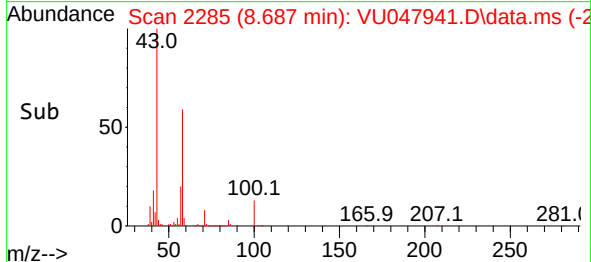
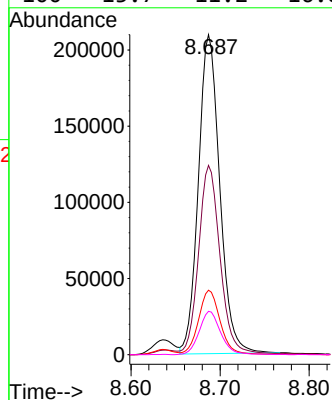
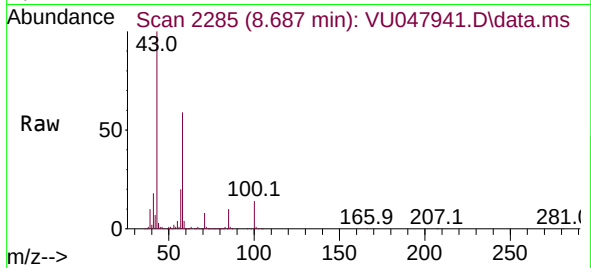




#48
2-Hexanone
Concen: 91.708 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

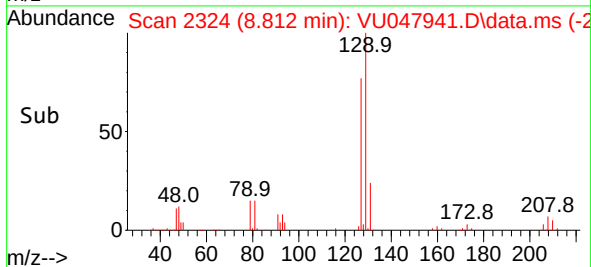
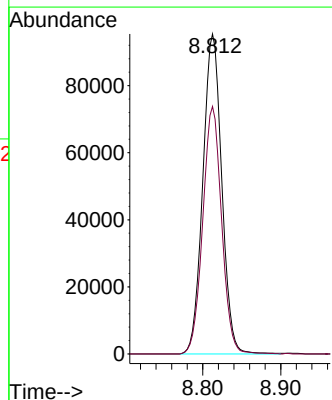
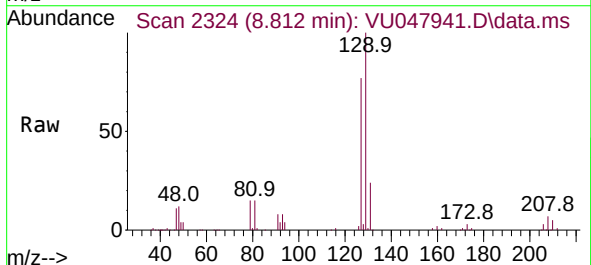
Instrument :
MSVOA_U
ClientSampleId :

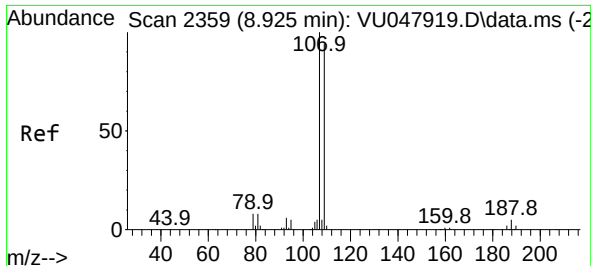
Tgt Ion: 43 Resp: 349859
Ion Ratio Lower Upper
43 100
58 59.0 48.1 72.1
57 20.3 16.2 24.4
100 13.7 11.2 16.8



#49
Dibromochloromethane
Concen: 46.645 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

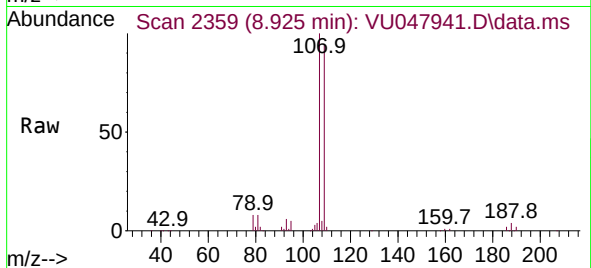
Tgt Ion: 129 Resp: 160784
Ion Ratio Lower Upper
129 100
127 77.3 54.2 100.6



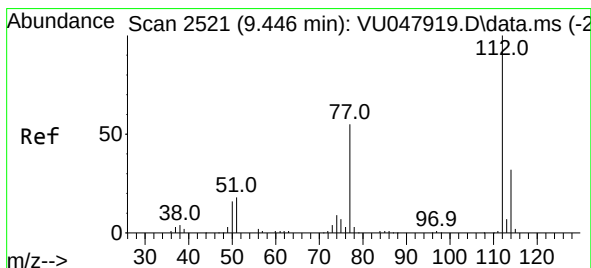
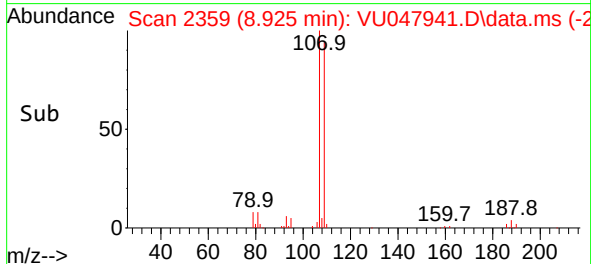
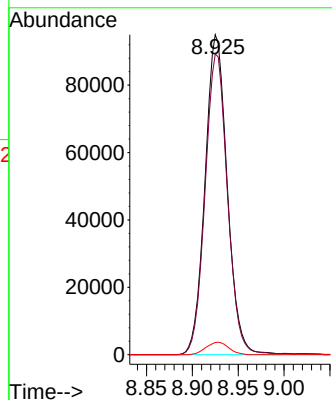


#50
1,2-Dibromoethane
Concen: 47.869 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Instrument :
MSVOA_U
ClientSampleId :

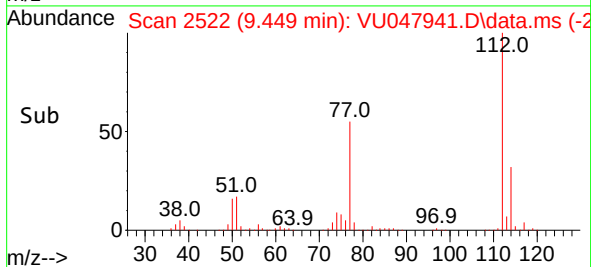
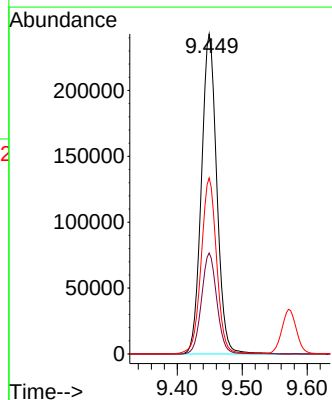
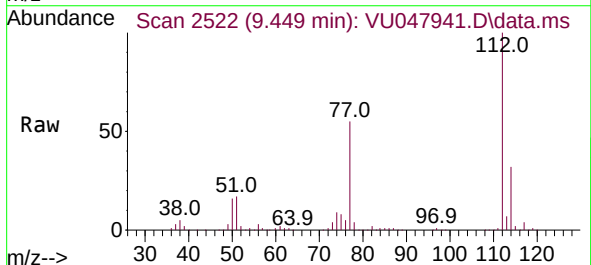


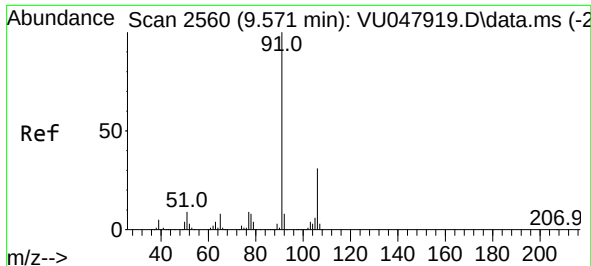
Tgt Ion:107 Resp: 159710
Ion Ratio Lower Upper
107 100
109 94.0 66.6 123.6
188 3.8 3.4 5.2



#51
Chlorobenzene
Concen: 48.717 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Tgt Ion:112 Resp: 400634
Ion Ratio Lower Upper
112 100
114 31.5 22.1 41.1
77 55.0 43.4 65.0

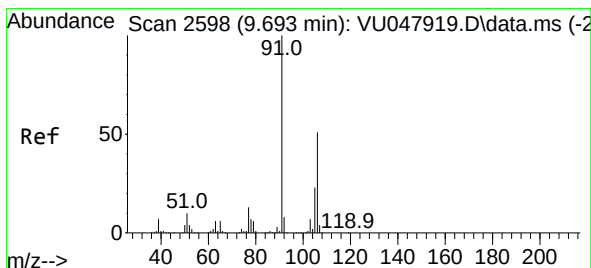
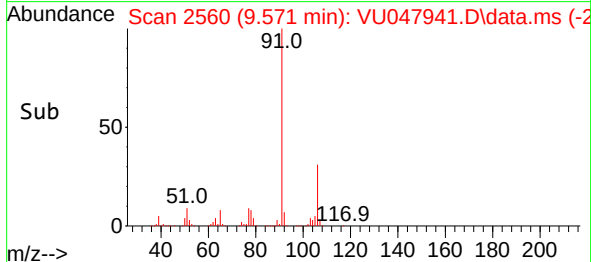
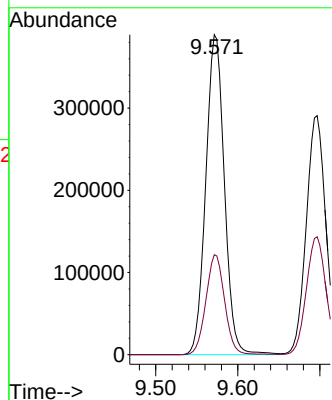
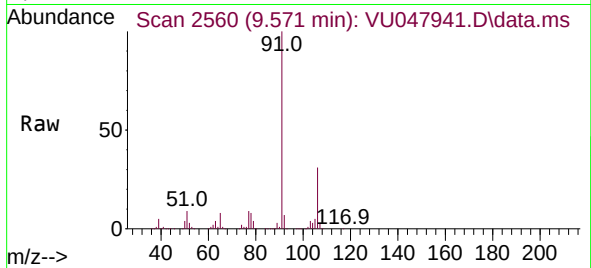




#52
Ethylbenzene
Concen: 48.185 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

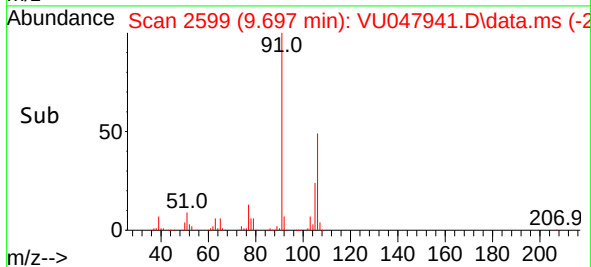
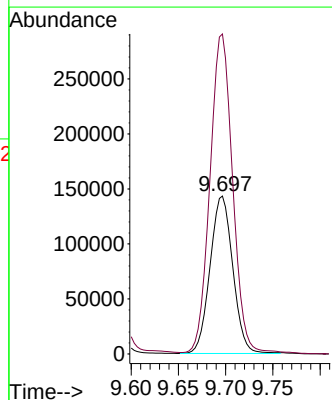
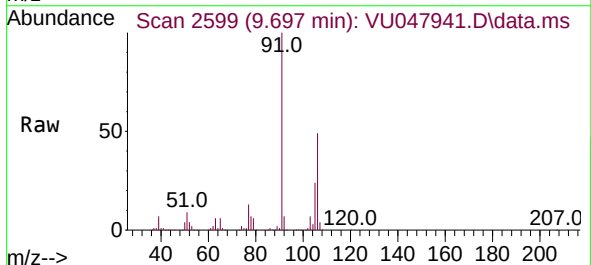
Instrument :
MSVOA_U
ClientSampleId :

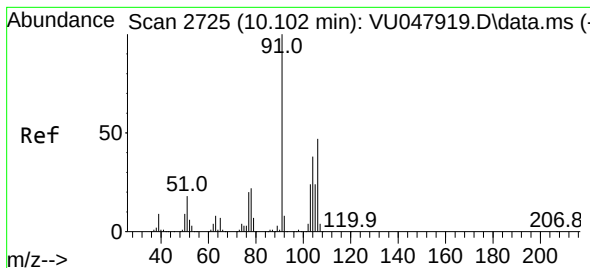
Tgt Ion: 91 Resp: 613629
Ion Ratio Lower Upper
91 100
106 31.2 22.4 41.6



#53
m,p-Xylene
Concen: 47.924 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Tgt Ion:106 Resp: 239474
Ion Ratio Lower Upper
106 100
91 202.6 137.7 255.7





#54

o-Xylene

Concen: 48.214 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

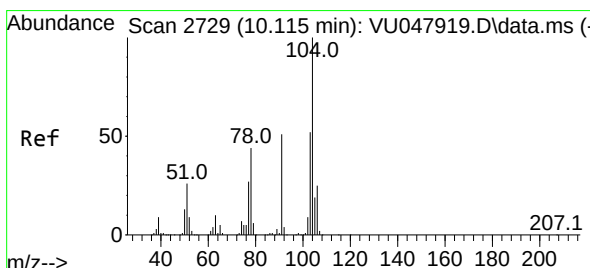
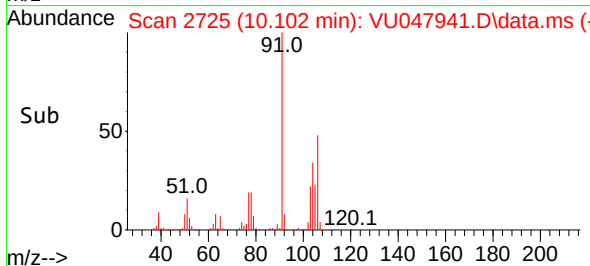
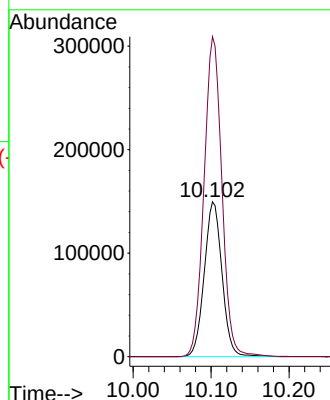
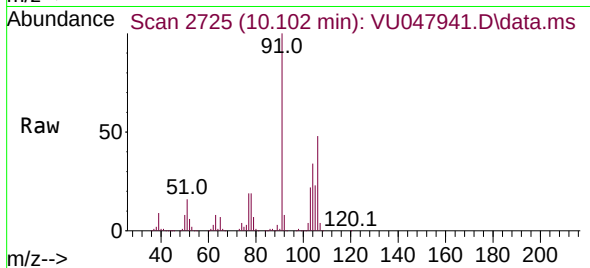
ClientSampleId :

Tgt Ion:106 Resp: 236460

Ion Ratio Lower Upper

106 100

91 206.6 146.7 272.5



#55

Styrene

Concen: 49.849 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU047941.D

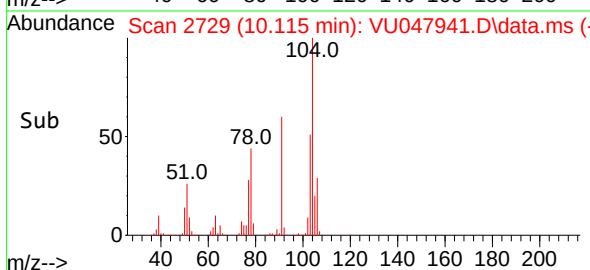
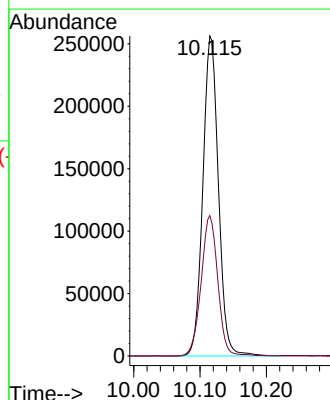
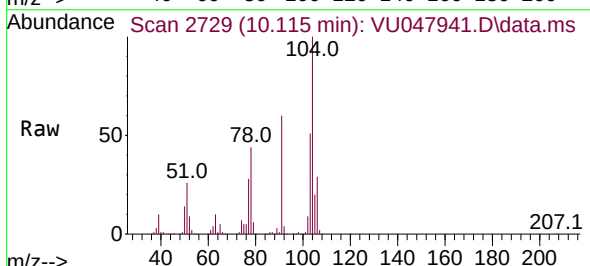
Acq: 12 Apr 2022 09:32

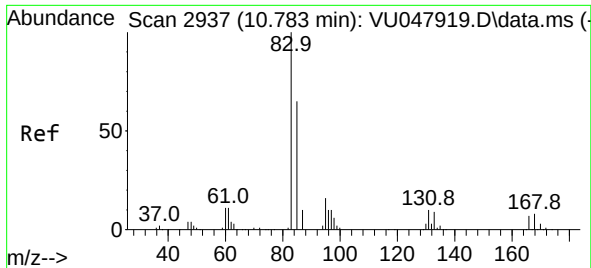
Tgt Ion:104 Resp: 417401

Ion Ratio Lower Upper

104 100

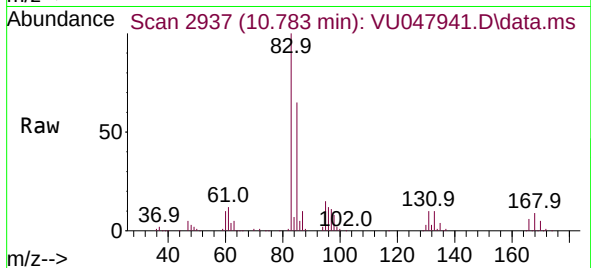
78 43.8 30.4 56.4



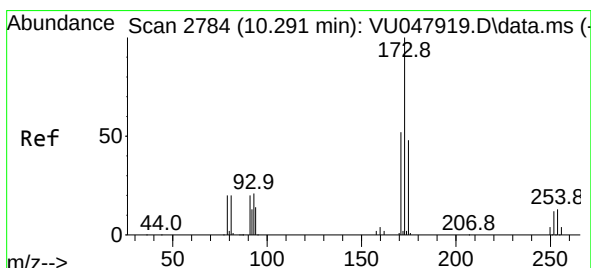
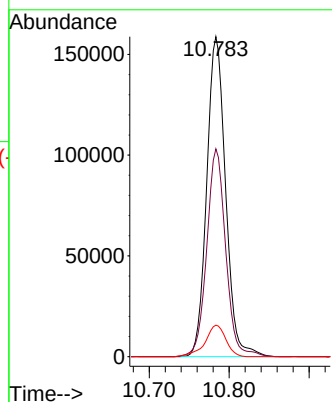
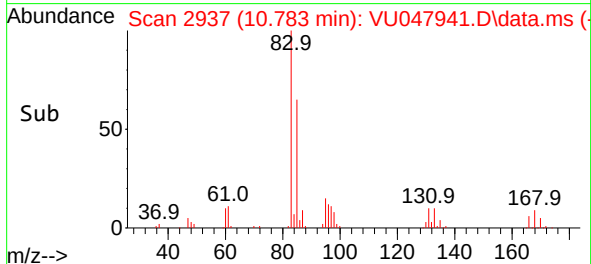


#57
1,1,2,2-Tetrachloroethane
Concen: 46.744 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Instrument :
MSVOA_U
ClientSampleId :

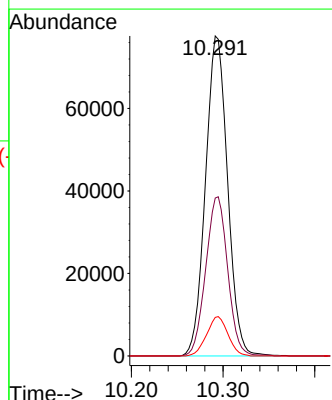
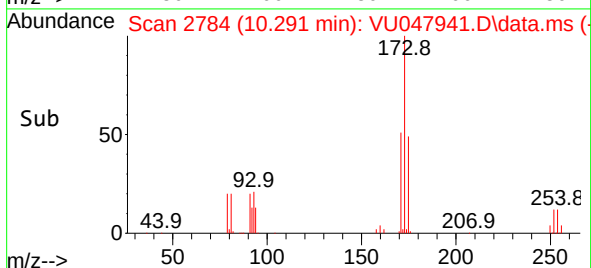
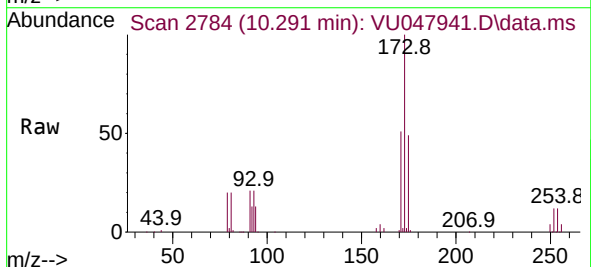


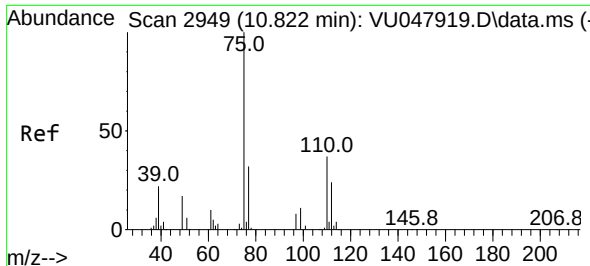
Tgt Ion: 83 Resp: 260797
Ion Ratio Lower Upper
83 100
85 64.9 44.9 83.3
131 9.8 8.6 13.0



#59
Bromoform
Concen: 43.993 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Tgt Ion:173 Resp: 130013
Ion Ratio Lower Upper
173 100
175 49.5 38.7 58.1
254 11.9 9.6 14.4

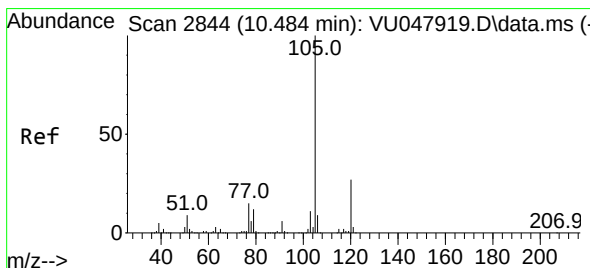
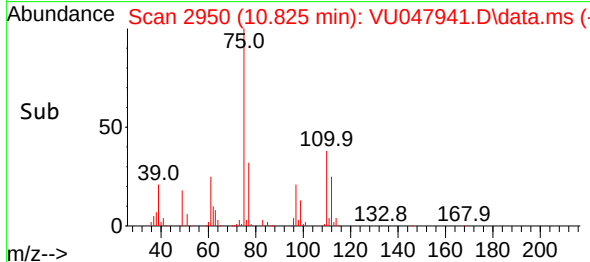
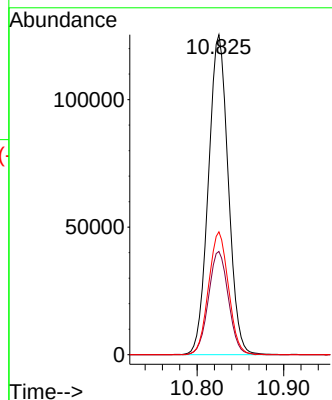
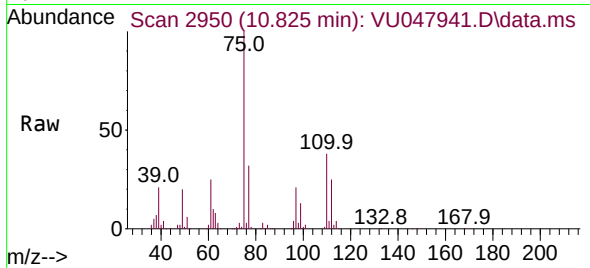




#60
1,2,3-Trichloropropane
Concen: 45.836 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

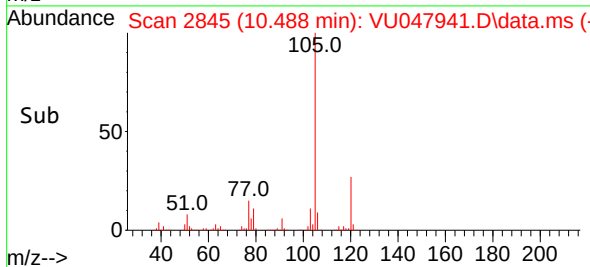
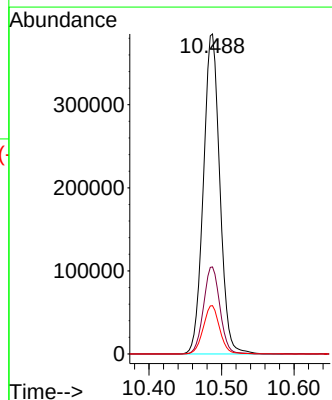
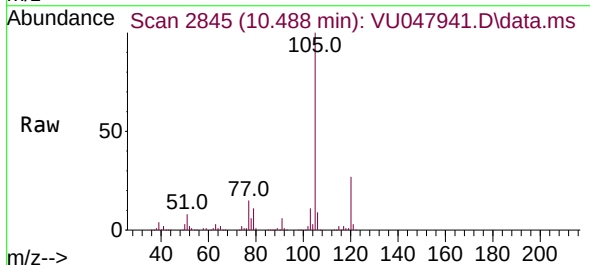
Instrument :
MSVOA_U
ClientSampleId :

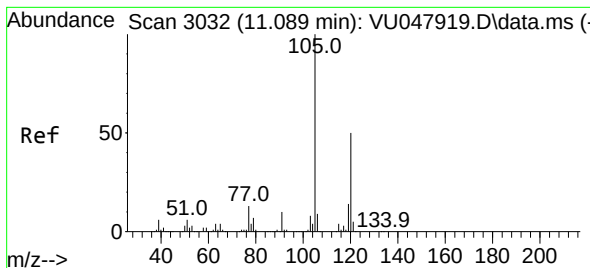
Tgt Ion: 75 Resp: 199704
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 38.4 31.4 47.2



#61
Isopropylbenzene
Concen: 48.570 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Tgt Ion: 105 Resp: 606665
Ion Ratio Lower Upper
105 100
120 27.3 21.9 32.9
77 15.1 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 46.595 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

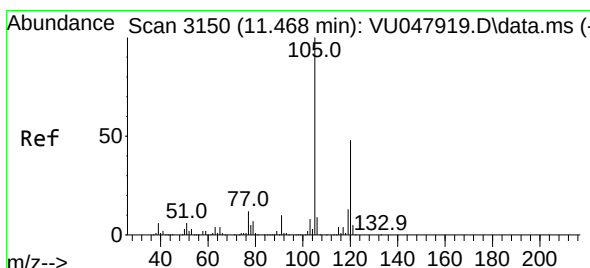
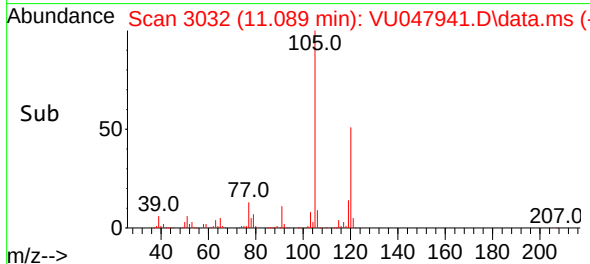
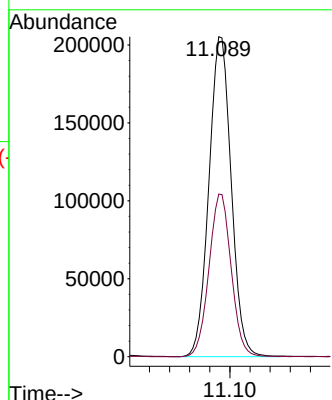
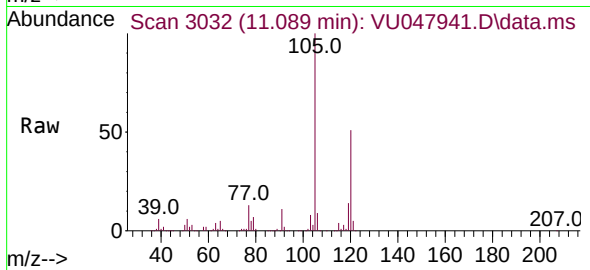
ClientSampleId :

Tgt Ion:105 Resp: 315780

Ion Ratio Lower Upper

105 100

120 50.6 40.8 61.2



#63

1,2,4-Trimethylbenzene

Concen: 48.403 ug/L

RT: 11.471 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU047941.D

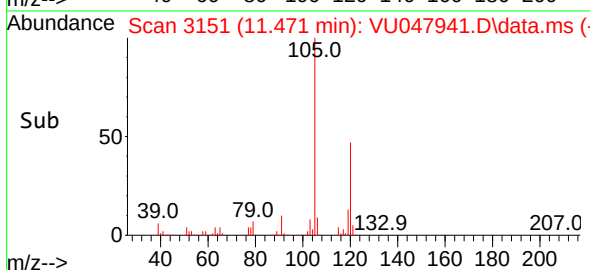
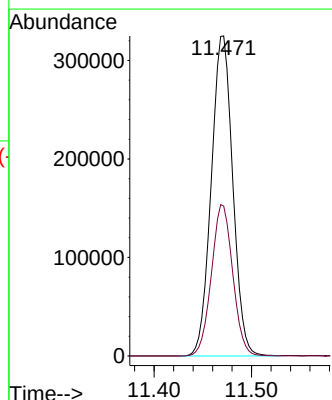
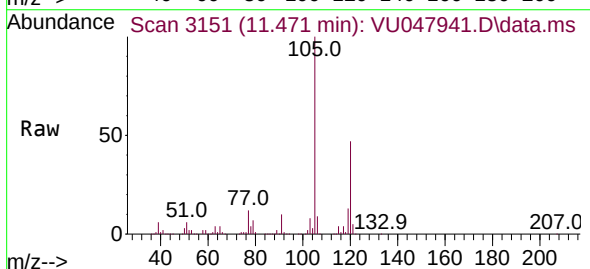
Acq: 12 Apr 2022 09:32

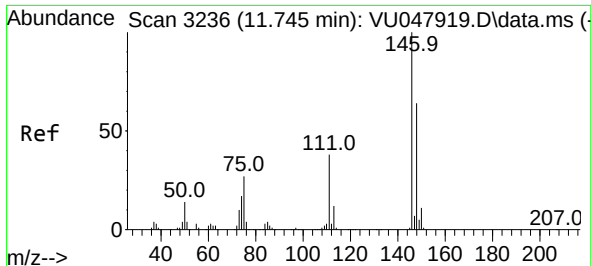
Tgt Ion:105 Resp: 498270

Ion Ratio Lower Upper

105 100

120 46.9 37.6 56.4

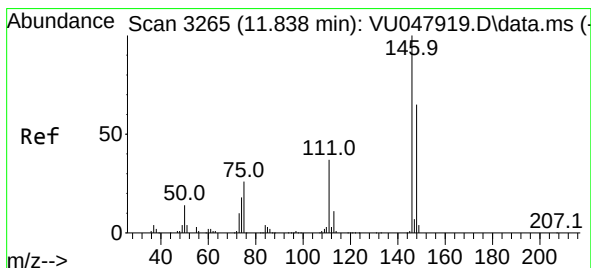
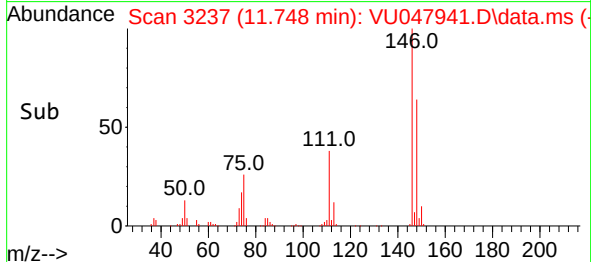
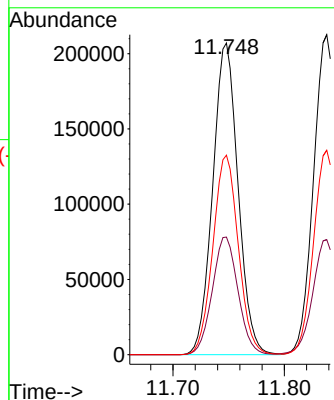
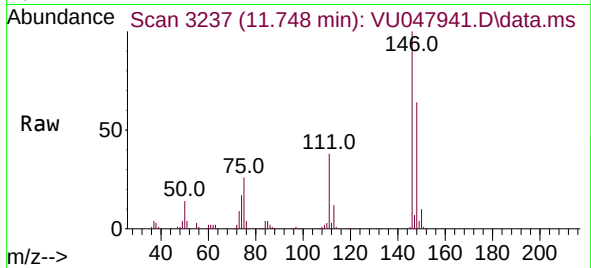




#64
1,3-Dichlorobenzene
Concen: 47.146 ug/L
RT: 11.748 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

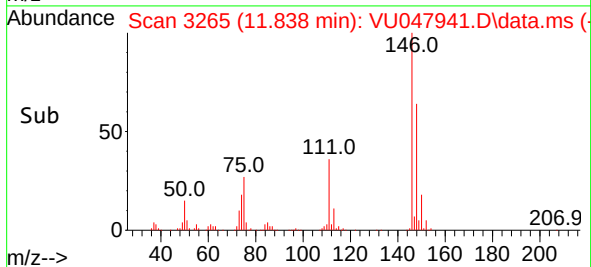
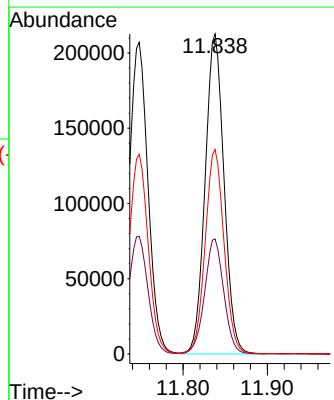
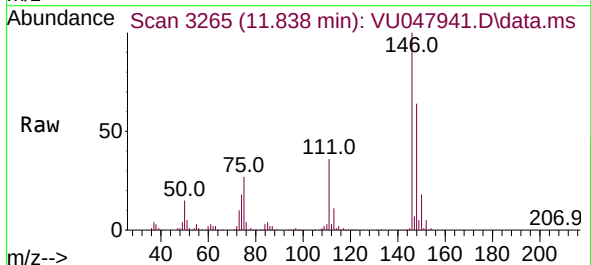
Instrument :
MSVOA_U
ClientSampleId :

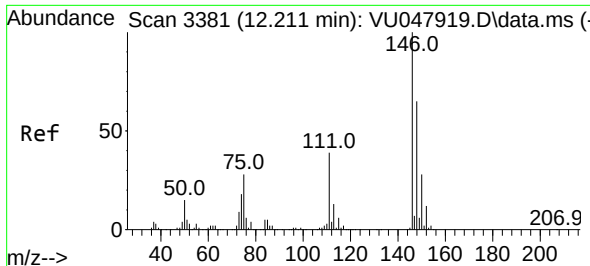
Tgt Ion:146 Resp: 327309
Ion Ratio Lower Upper
146 100
111 37.7 26.7 49.7
148 64.0 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 46.191 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

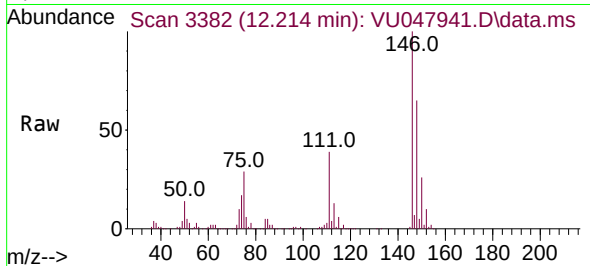
Tgt Ion:146 Resp: 332163
Ion Ratio Lower Upper
146 100
111 36.0 25.3 47.1
148 63.9 44.5 82.7



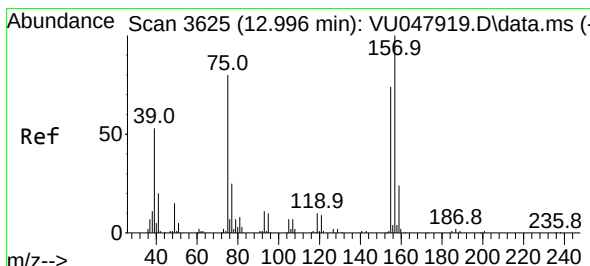
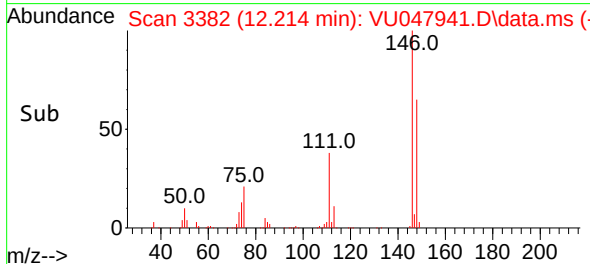
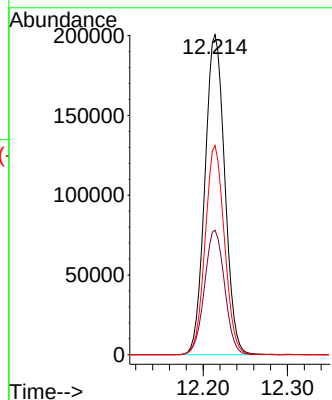


#67
1,2-Dichlorobenzene
Concen: 47.307 ug/L
RT: 12.214 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

Instrument :
MSVOA_U
ClientSampleId :

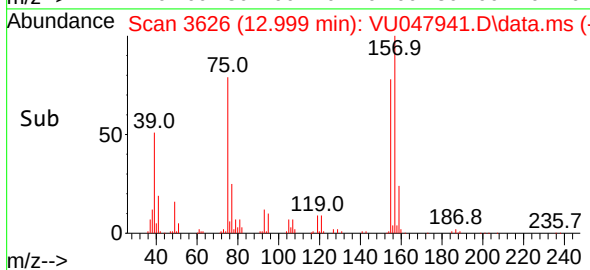
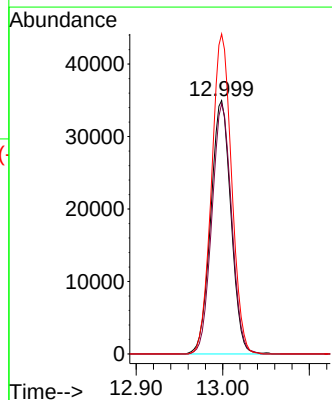
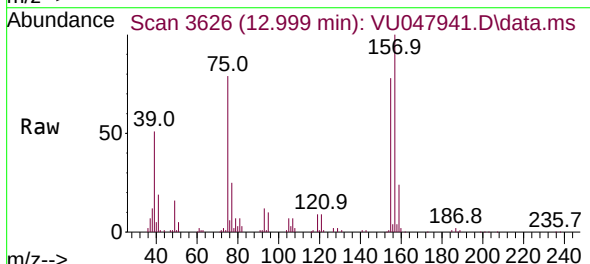


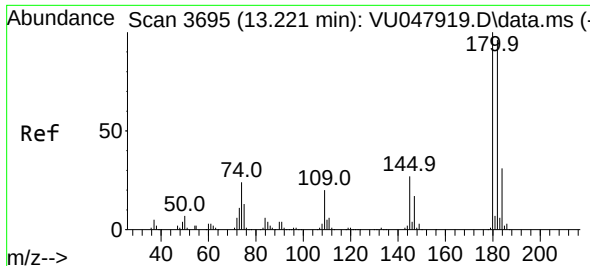
Tgt Ion:146 Resp: 328627
Ion Ratio Lower Upper
146 100
111 38.9 31.7 47.5
148 65.4 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 40.557 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU047941.D
Acq: 12 Apr 2022 09:32

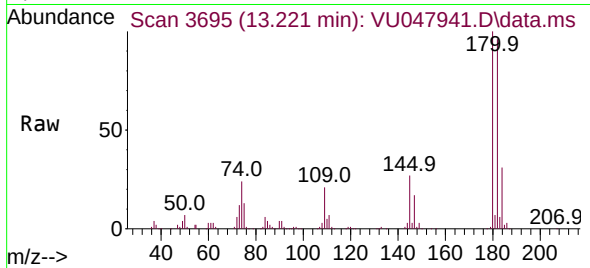
Tgt Ion: 75 Resp: 56602
Ion Ratio Lower Upper
75 100
155 98.7 78.9 118.3
157 126.3 97.5 146.3



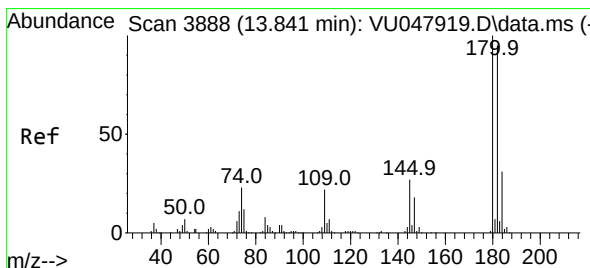
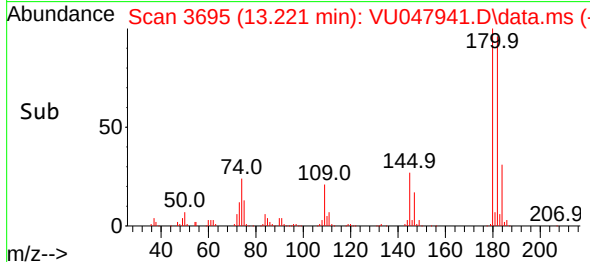
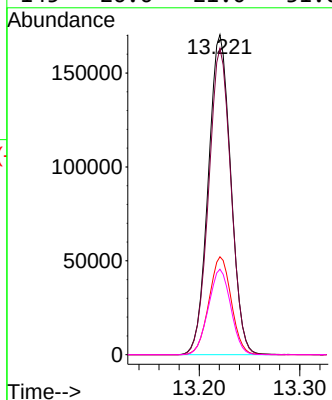


#69
 1,3,5-Trichlorobenzene
 Concen: 46.904 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU047941.D
 Acq: 12 Apr 2022 09:32

Instrument :
 MSVOA_U
 ClientSampleId :

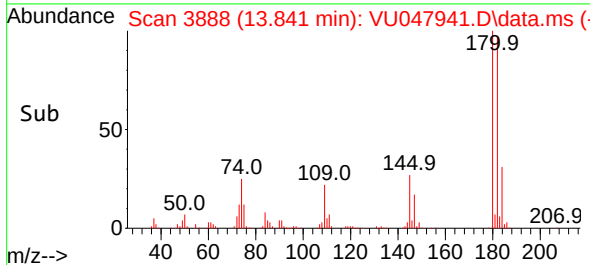
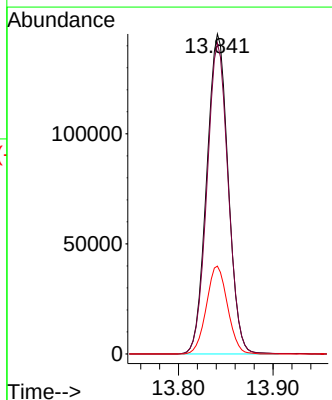
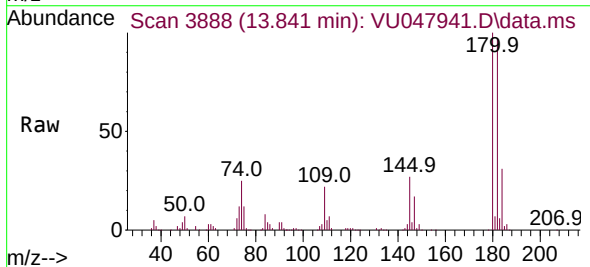


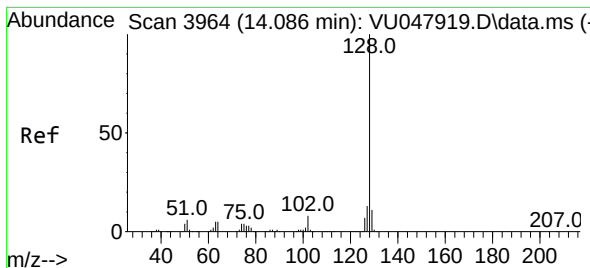
Tgt Ion:180 Resp: 264460
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.0 115.6
 184 30.4 24.5 36.7
 145 26.6 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 46.402 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047941.D
 Acq: 12 Apr 2022 09:32

Tgt Ion:180 Resp: 229161
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.2 114.2
 145 27.0 21.8 32.8





#71

Naphthalene

Concen: 44.934 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Instrument :

MSVOA_U

ClientSampleId :

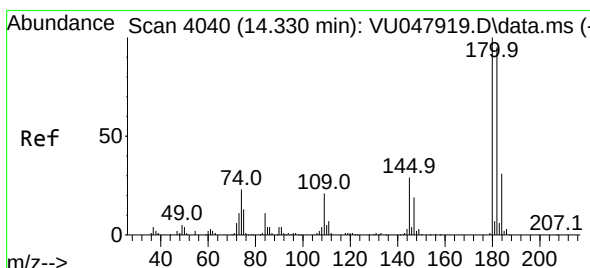
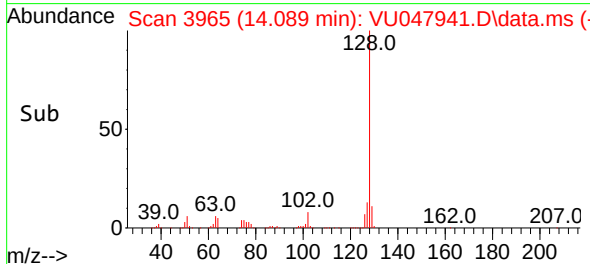
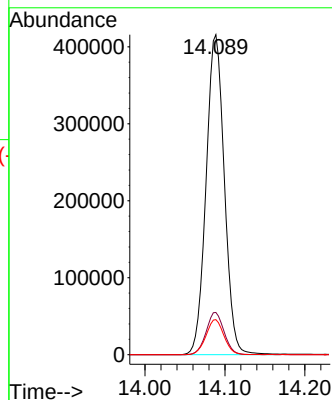
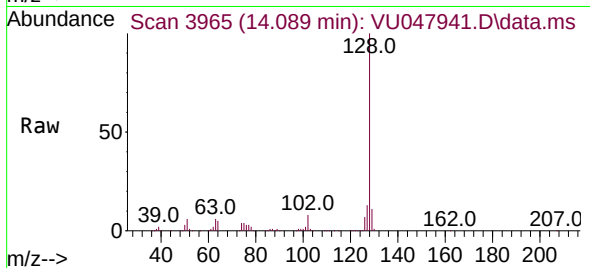
Tgt Ion:128 Resp: 661610

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 48.387 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU047941.D

Acq: 12 Apr 2022 09:32

Tgt Ion:180 Resp: 239559

Ion Ratio Lower Upper

180 100

182 95.4 77.4 116.0

145 29.0 22.8 34.2

