

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U030822\
 Data File : U047393.D
 Acq On : 08 Mar 2022 15:51
 Operator : SY/MD
 Sample : N1840-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY20

Quant Time: Mar 09 03:04:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 09 02:01:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.282	114	173524	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.423	117	165402	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	86736	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.610	65	38686	3.141	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.800%
7) Chloroethane-d5	1.938	69	41038	3.994	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.584	65	18240	3.507	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.200%
20) 2-Butanone-d5	4.742	46	180560	44.657	ug/L	0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.320%
24) Chloroform-d	5.099	84	96746	4.252	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.748	65	56235	4.403	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.764	84	177805	3.817	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
36) 1,2-Dichloropropane-d6	6.719	67	63903	4.404	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.912	98	152142	3.459	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.200%#
43) trans-1,3-Dichloroprop...	8.195	79	24513	3.845	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.800%
46) 2-Hexanone-d5	8.652	63	171145	47.166	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.340%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	64985	4.396	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	69716	4.102	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.000%
Target Compounds						
5) Vinyl chloride	1.617	62	3673	0.319	ug/L	85
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	544	0.065	ug/L #	21
12) 1,1-Dichloroethene	2.597	96	20603	2.422	ug/L	90
17) Methyl tert-butyl Ether	3.404	73	282684	12.412	ug/L	99
19) 1,1-Dichloroethane	3.887	63	16598	1.079	ug/L	94
22) cis-1,2-Dichloroethene	4.691	96	229608	22.834	ug/L	95
29) 1,1,1-Trichloroethane	5.353	97	10449	0.752	ug/L	97
31) Carbon tetrachloride	5.353	117	1530	0.128	ug/L	97
34) Trichloroethene	6.568	95	147870	15.072	ug/L	93
35) Methylcyclohexane	6.719	83	15529	1.032	ug/L #	66
37) 1,2-Dichloropropane	6.719	63	6764	0.731	ug/L #	88
39) cis-1,3-Dichloropropene	7.584	75	1554	0.106	ug/L #	50
45) 1,1,2-Trichloroethane	8.562	97	1538	0.192	ug/L #	5
47) Tetrachloroethene	8.565	164	190556	22.800	ug/L	92
49) Dibromochloromethane	8.565	129	173794	18.448	ug/L #	10
53) m,p-Xylene	9.700	106	2529	0.147	ug/L	99
60) Isopropylbenzene	11.005	105	2346	0.060	ug/L #	90
61) 1,2,3-Trichloropropane	11.812	75	8865	1.231	ug/L #	65
71) Naphthalene	14.089	128	5806	0.185	ug/L	98

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Response via : Initial Calibration

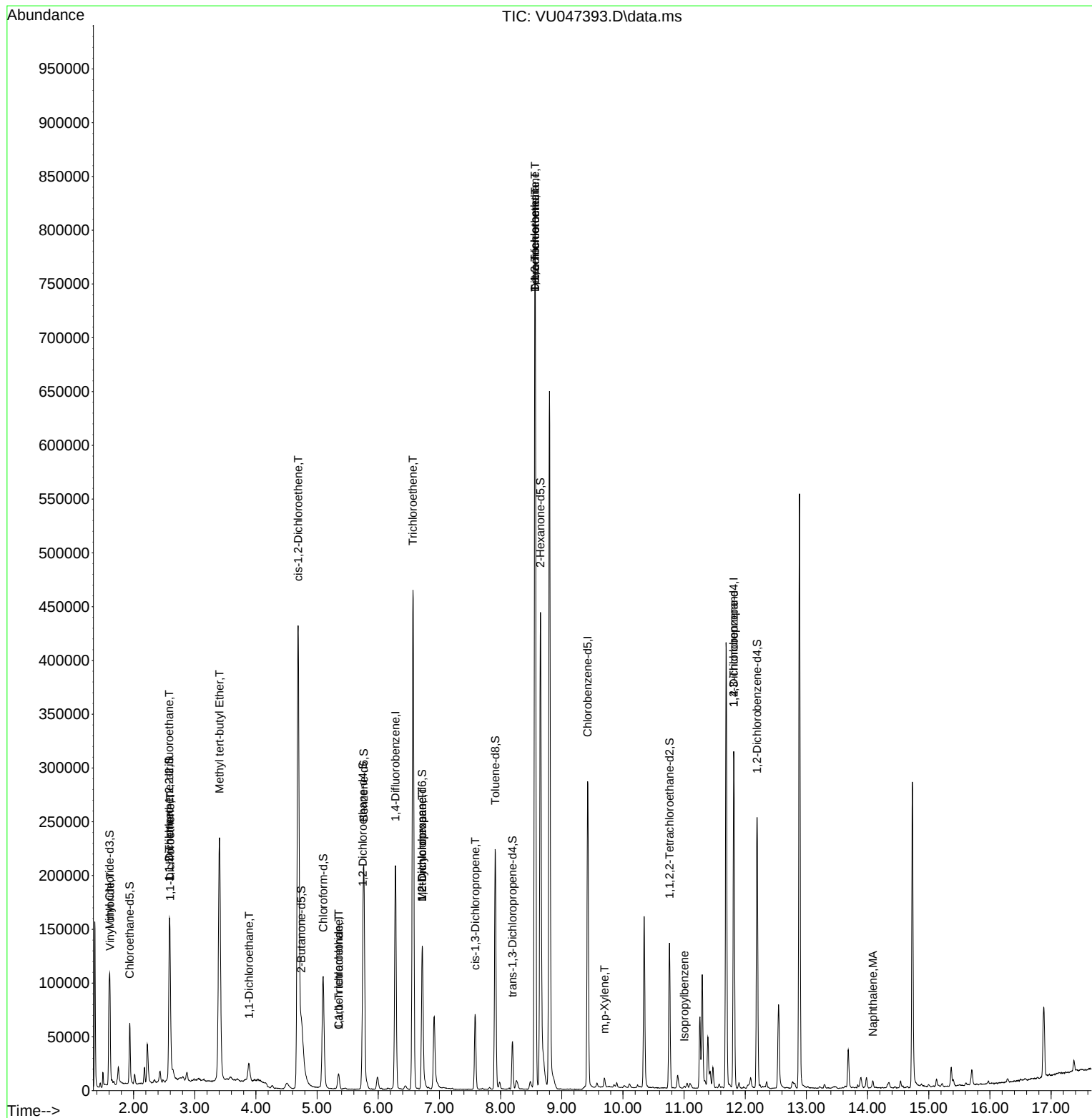
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

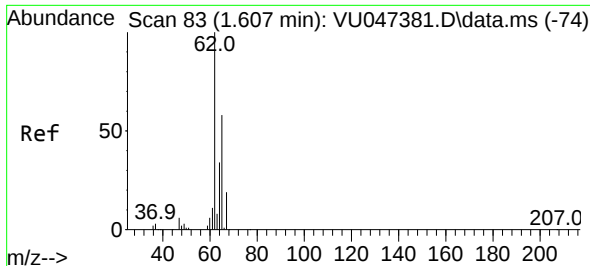
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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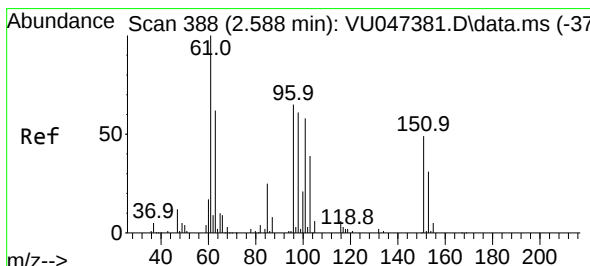
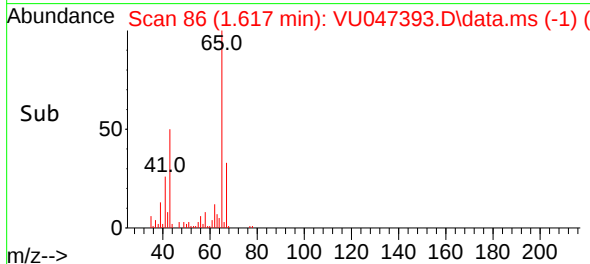
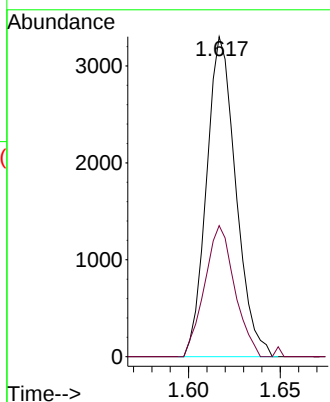
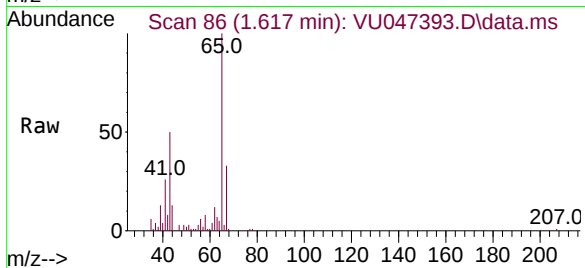




#5
 Vinyl chloride
 Concen: 0.319 ug/L
 RT: 1.617 min Scan# 80
 Delta R.T. 0.010 min
 Lab File: VU047393.D
 Acq: 08 Mar 2022 15:51

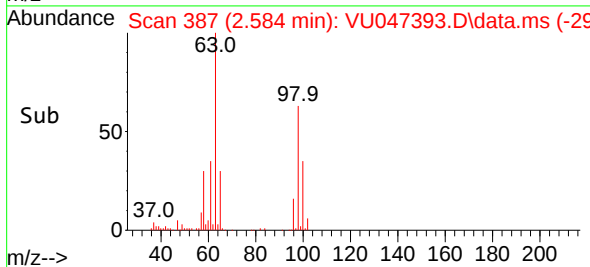
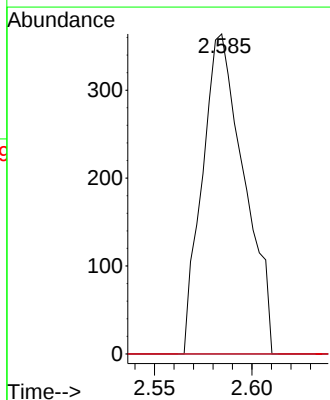
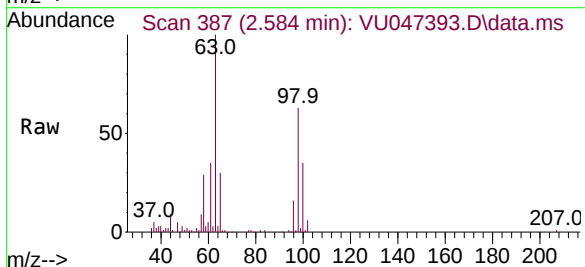
Instrument :
 MSVOA_U
 ClientSampleId :
 BFY20

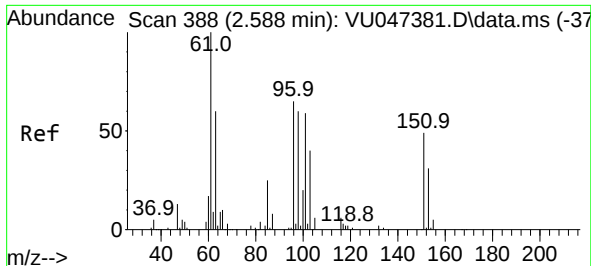
Tgt Ion: 62 Resp: 3673
 Ion Ratio Lower Upper
 62 100
 64 41.0 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.065 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU047393.D
 Acq: 08 Mar 2022 15:51

Tgt Ion: 101 Resp: 544
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 2.422 ug/L

RT: 2.597 min Scan# 391

Delta R.T. 0.010 min

Lab File: VU047393.D

Acq: 08 Mar 2022 15:51

Instrument :

MSVOA_U

ClientSampleId :

BFY20

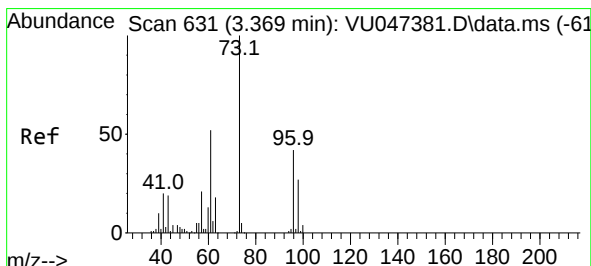
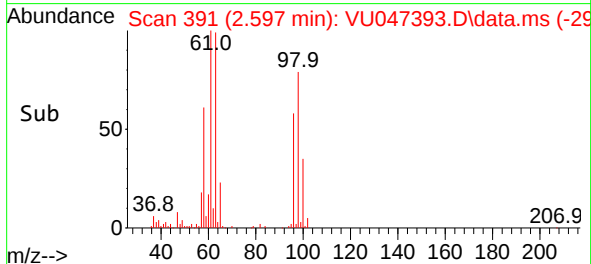
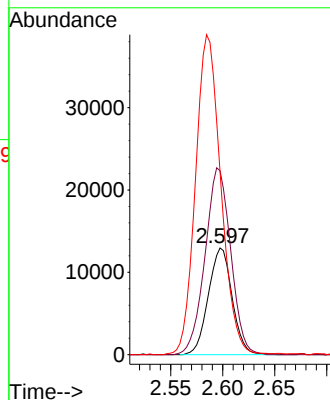
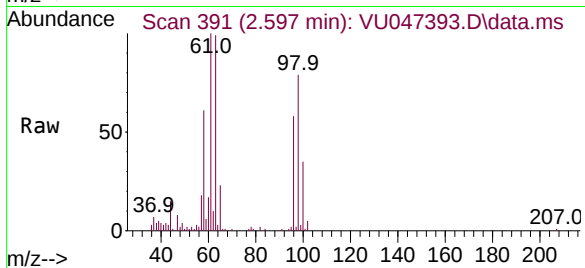
Tgt Ion: 96 Resp: 20603

Ion Ratio Lower Upper

96 100

61 172.4 124.7 231.5

63 171.4 105.2 195.4



#17

Methyl tert-butyl Ether

Concen: 12.412 ug/L

RT: 3.404 min Scan# 642

Delta R.T. 0.036 min

Lab File: VU047393.D

Acq: 08 Mar 2022 15:51

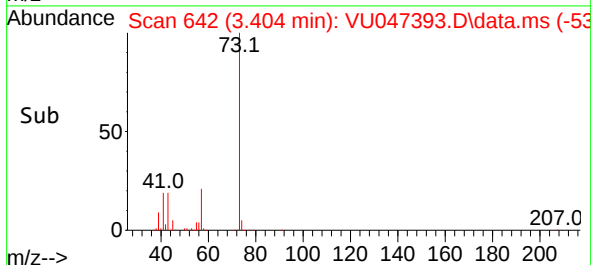
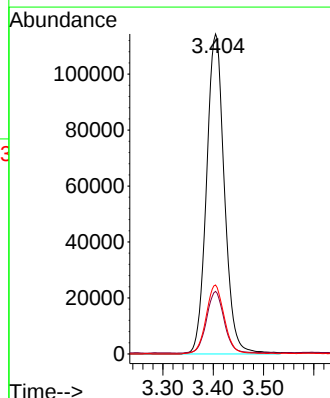
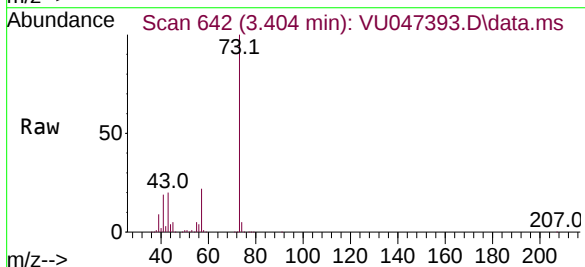
Tgt Ion: 73 Resp: 282684

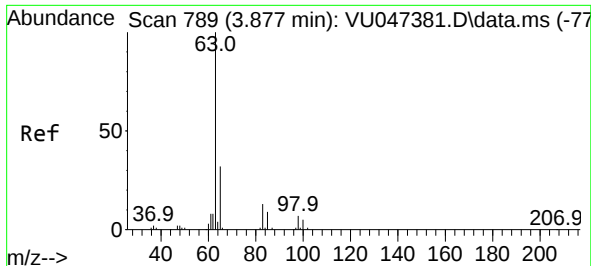
Ion Ratio Lower Upper

73 100

43 19.0 14.8 22.2

57 21.9 17.4 26.0





#19

1,1-Dichloroethane

Concen: 1.079 ug/L

RT: 3.887 min Scan# 792

Delta R.T. 0.010 min

Lab File: VU047393.D

Acq: 08 Mar 2022 15:51

Instrument :

MSVOA_U

ClientSampleId :

BFY20

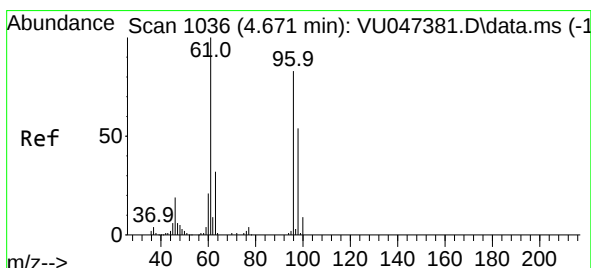
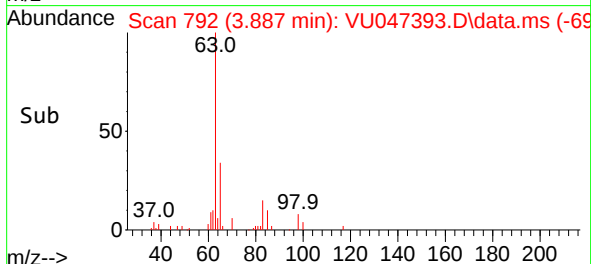
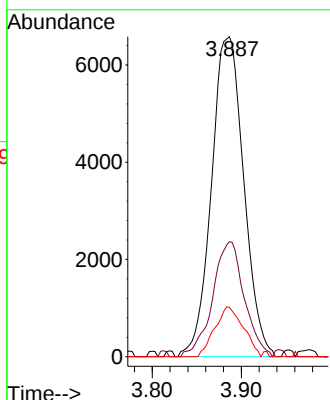
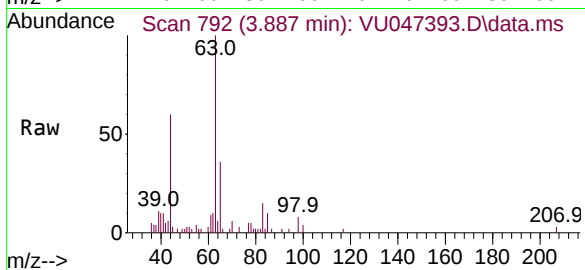
Tgt Ion: 63 Resp: 16598

Ion Ratio Lower Upper

63 100

65 36.0 22.3 41.5

83 15.4 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 22.834 ug/L

RT: 4.691 min Scan# 1042

Delta R.T. 0.019 min

Lab File: VU047393.D

Acq: 08 Mar 2022 15:51

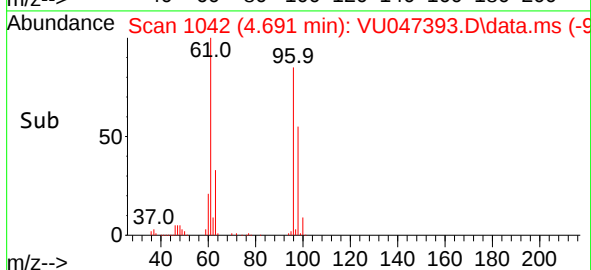
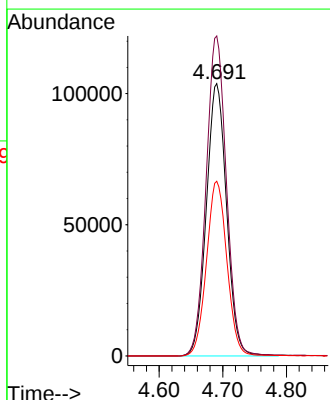
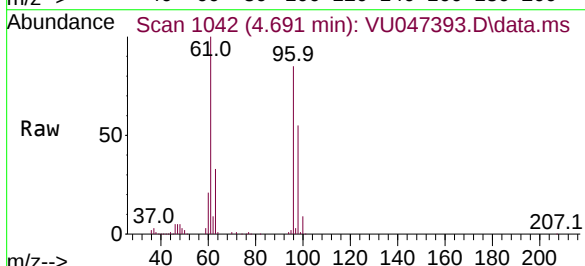
Tgt Ion: 96 Resp: 229608

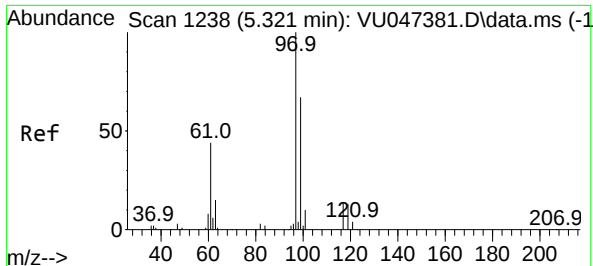
Ion Ratio Lower Upper

96 100

61 117.5 88.5 164.3

98 64.2 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 0.752 ug/L

RT: 5.353 min Scan# 1248

Delta R.T. 0.032 min

Lab File: VU047393.D

Acq: 08 Mar 2022 15:51

Instrument :

MSVOA_U

ClientSampleId :

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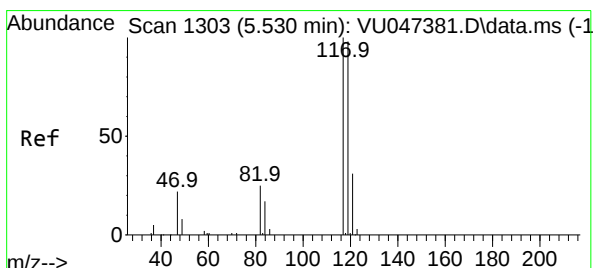
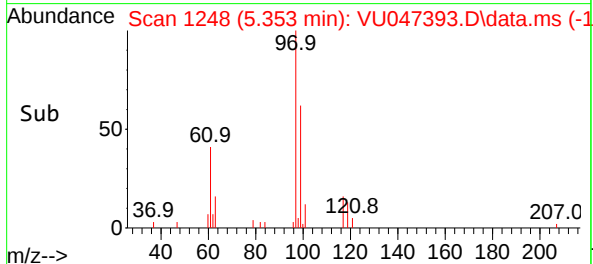
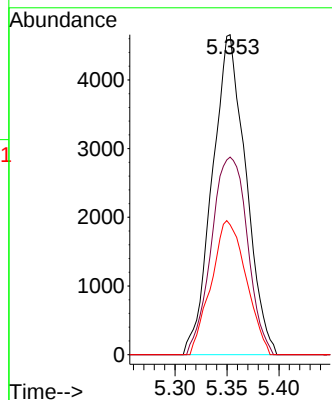
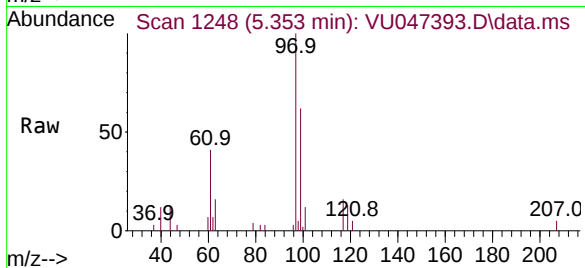
Tgt Ion: 97 Resp: 10449

Ion Ratio Lower Upper

97 100

99 66.4 51.3 76.9

61 43.5 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.128 ug/L

RT: 5.353 min Scan# 1248

Delta R.T. -0.177 min

Lab File: VU047393.D

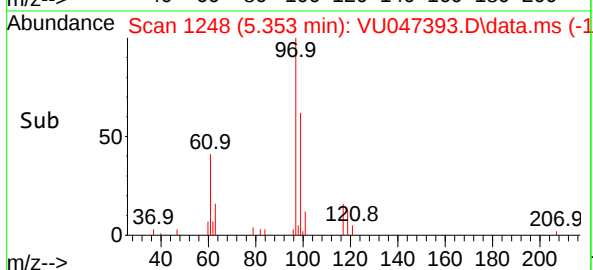
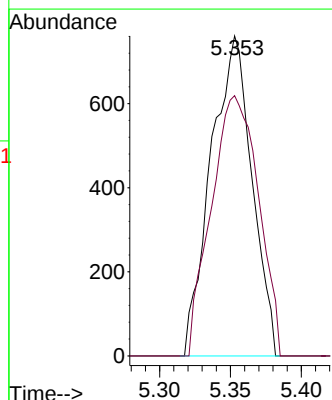
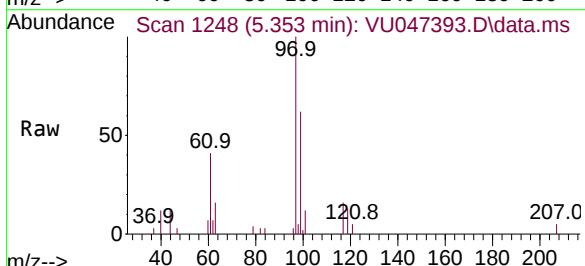
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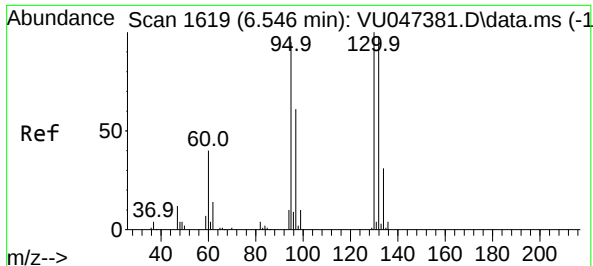
Tgt Ion: 117 Resp: 1530

Ion Ratio Lower Upper

117 100

119 93.7 77.5 116.3

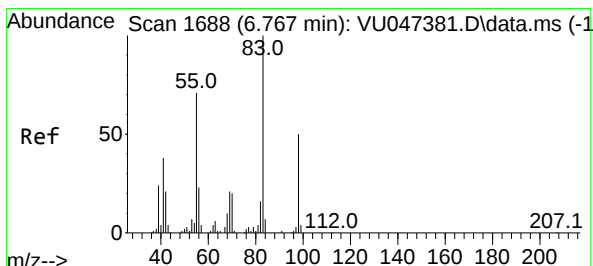
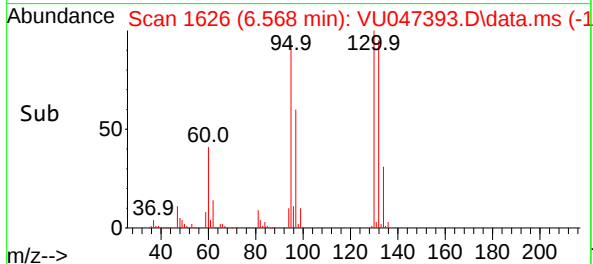
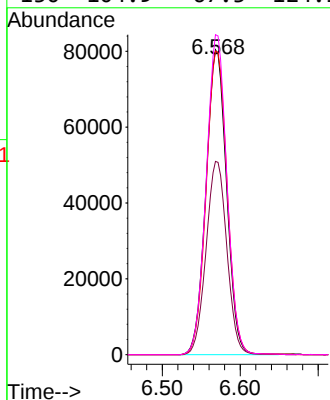
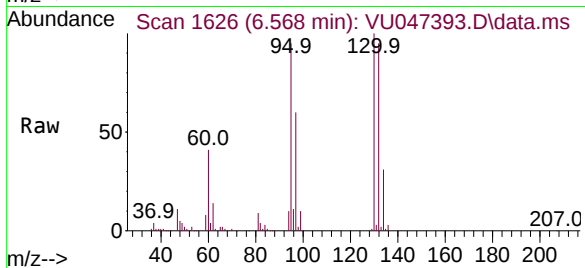




#34
Trichloroethene
Concen: 15.072 ug/L
RT: 6.568 min Scan# 1626
Delta R.T. 0.023 min
Lab File: VU047393.D
Acq: 08 Mar 2022 15:51

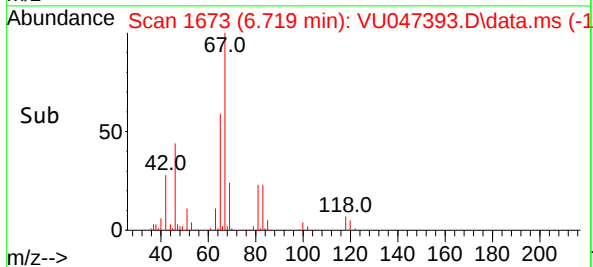
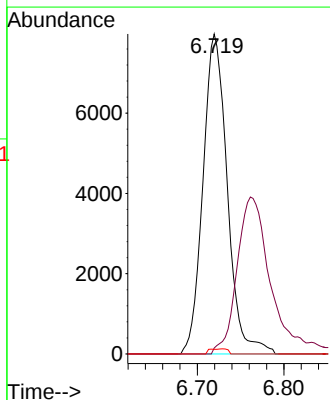
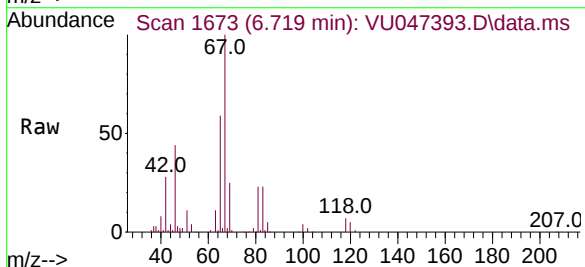
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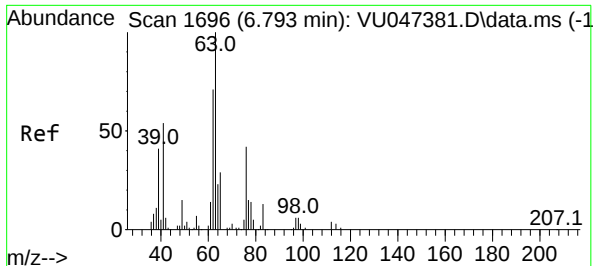
Tgt Ion:	95	Resp:	147870
Ion	Ratio	Lower	Upper
95	100		
97	63.4	46.5	86.5
132	99.6	65.1	120.9
130	104.9	67.3	124.9



#35
Methylcyclohexane
Concen: 1.032 ug/L
RT: 6.719 min Scan# 1673
Delta R.T. -0.048 min
Lab File: VU047393.D
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Tgt Ion:	83	Resp:	15529
Ion	Ratio	Lower	Upper
83	100		
55	67.9	61.9	92.9
98	0.0	39.0	58.6





#37

1,2-Dichloropropane

Concen: 0.731 ug/L

RT: 6.719 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU047393.D

Acq: 08 Mar 2022 15:51

Instrument :

MSVOA_U

ClientSampleId :

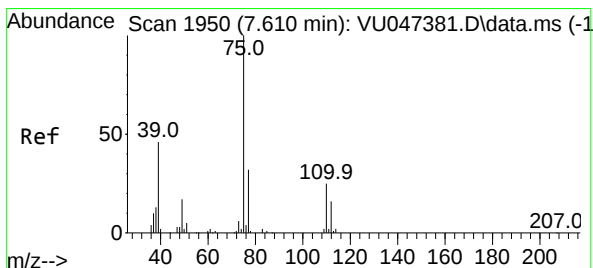
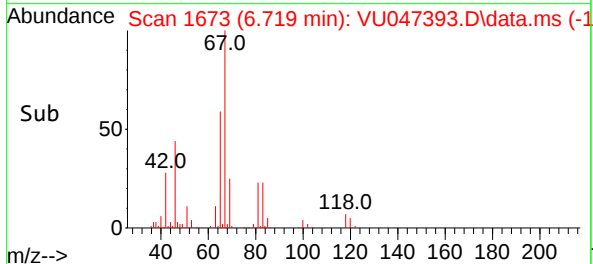
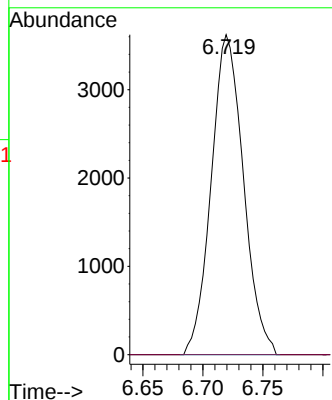
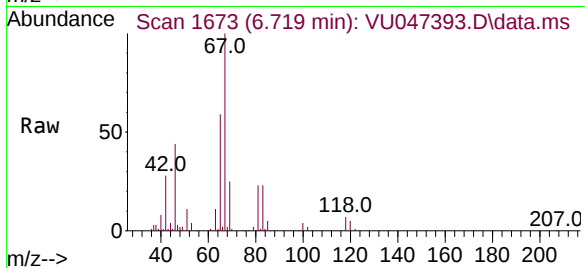
BFY20

Tgt Ion: 63 Resp: 6764

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.584 min Scan# 1942

Delta R.T. -0.026 min

Lab File: VU047393.D

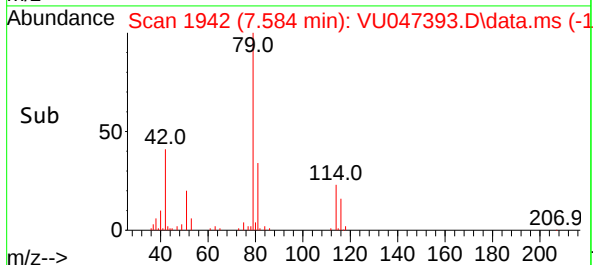
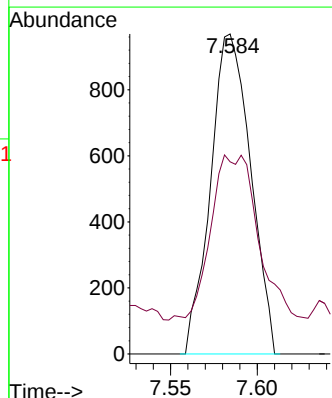
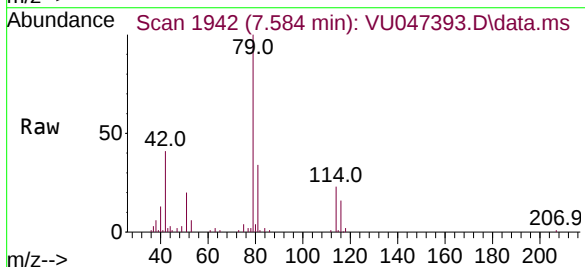
Acq: 08 Mar 2022 15:51

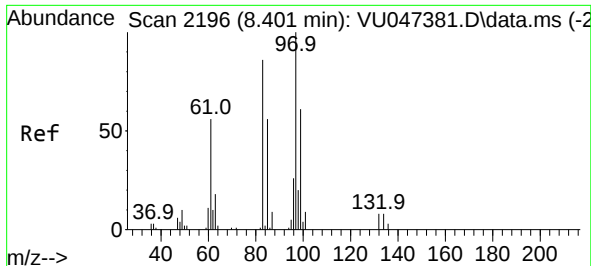
Tgt Ion: 75 Resp: 1554

Ion Ratio Lower Upper

75 100

77 60.1 22.5 41.9#





#45

1,1,2-Trichloroethane

Concen: 0.192 ug/L

RT: 8.562 min Scan# 2196

Delta R.T. 0.161 min

Lab File: VU047393.D

Acq: 08 Mar 2022 15:51

Instrument :

MSVOA_U

ClientSampleId :

BFY20

Tgt Ion: 97 Resp: 1538

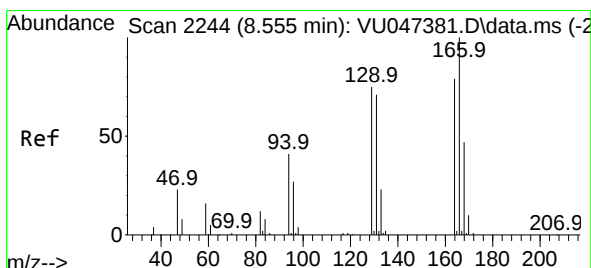
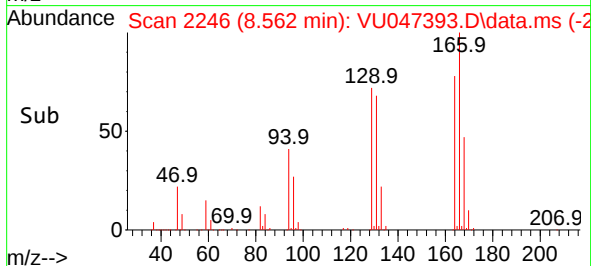
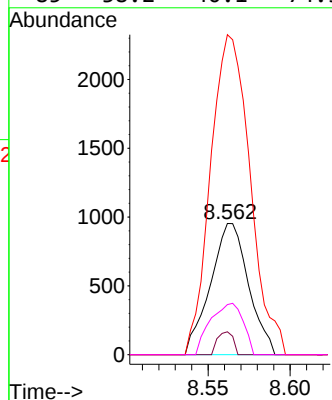
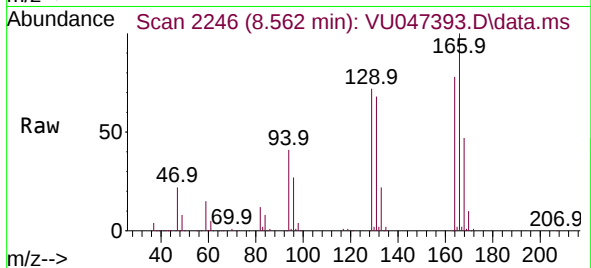
Ion Ratio Lower Upper

97 100

99 17.4 42.3 78.5#

83 244.1 62.0 115.2#

85 38.2 40.1 74.5#



#47

Tetrachloroethene

Concen: 22.800 ug/L

RT: 8.565 min Scan# 2247

Delta R.T. 0.010 min

Lab File: VU047393.D

Acq: 08 Mar 2022 15:51

Tgt Ion: 164 Resp: 190556

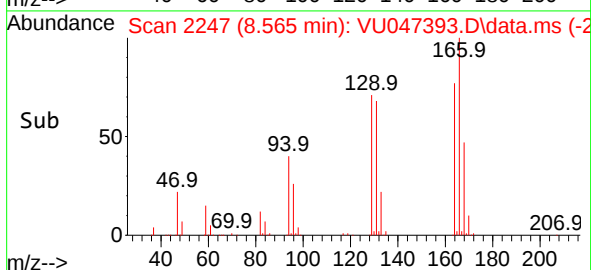
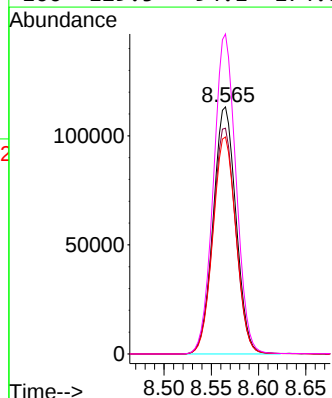
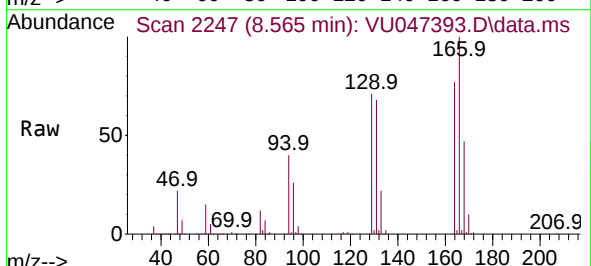
Ion Ratio Lower Upper

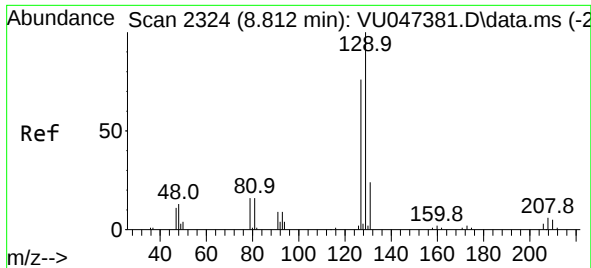
164 100

129 91.4 71.8 133.4

131 87.8 68.5 127.3

166 129.5 94.1 174.8





#49

Dibromochloromethane

Concen: 18.448 ug/L

RT: 8.565 min Scan# 21

Delta R.T. -0.247 min

Lab File: VU047393.D

Acq: 08 Mar 2022 15:51

Instrument :

MSVOA_U

ClientSampleId :

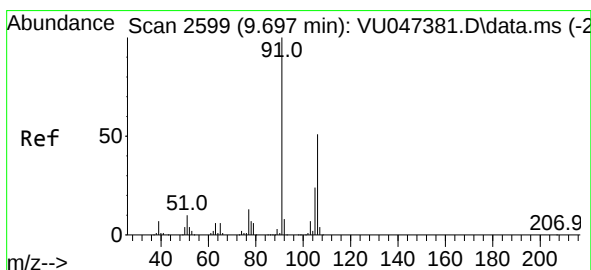
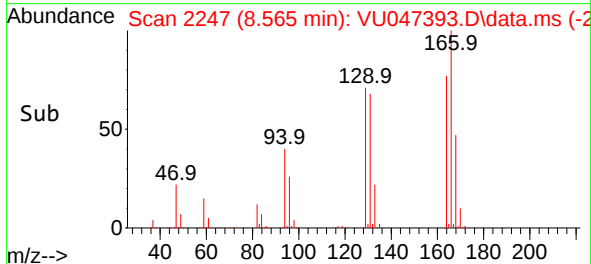
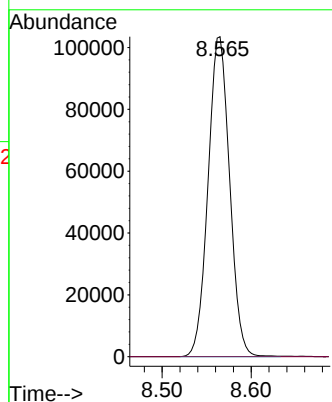
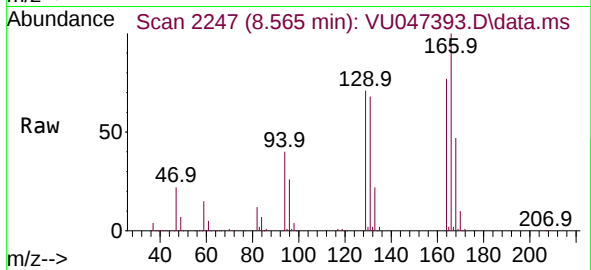
BFY20

Tgt Ion:129 Resp: 173794

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#53

m,p-Xylene

Concen: 0.147 ug/L

RT: 9.700 min Scan# 2600

Delta R.T. 0.003 min

Lab File: VU047393.D

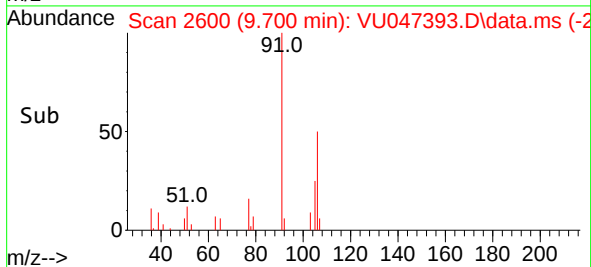
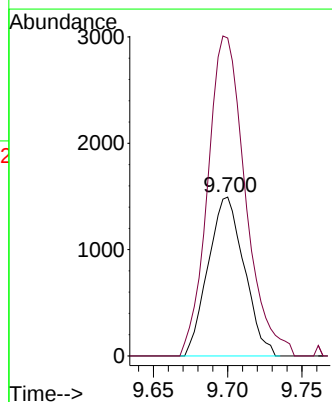
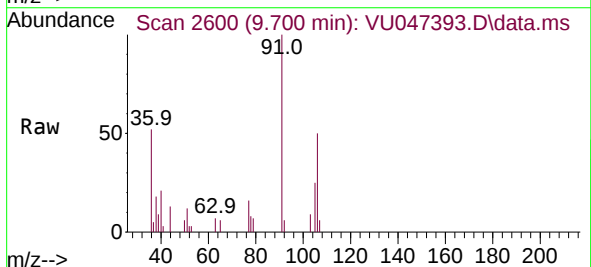
Acq: 08 Mar 2022 15:51

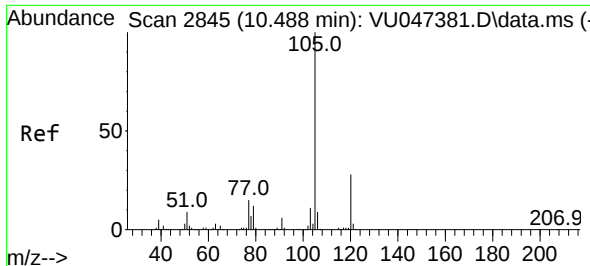
Tgt Ion:106 Resp: 2529

Ion Ratio Lower Upper

106 100

91 200.1 139.4 259.0

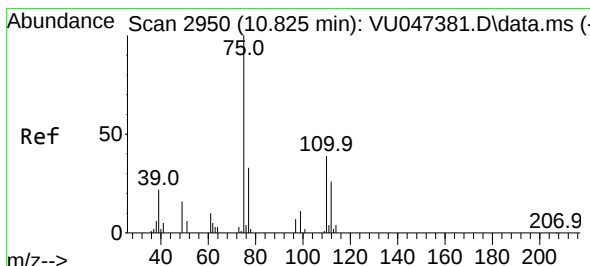
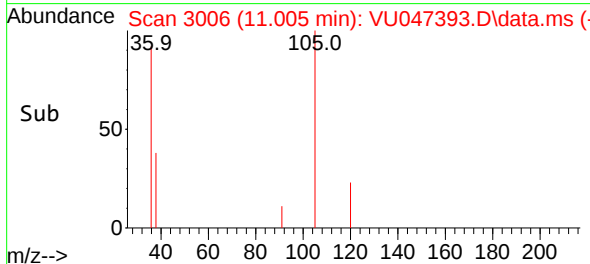
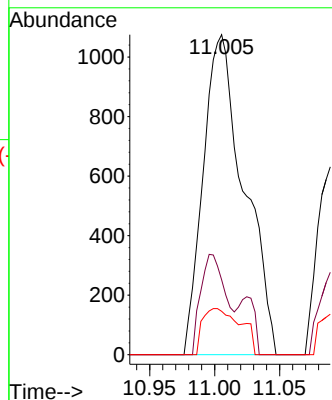
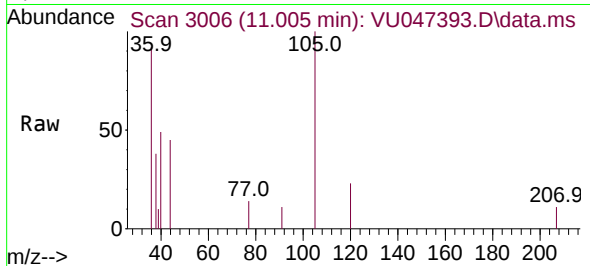




#60
Isopropylbenzene
Concen: 0.060 ug/L
RT: 11.005 min Scan# 3006
Delta R.T. 0.518 min
Lab File: VU047393.D
Acq: 08 Mar 2022 15:51

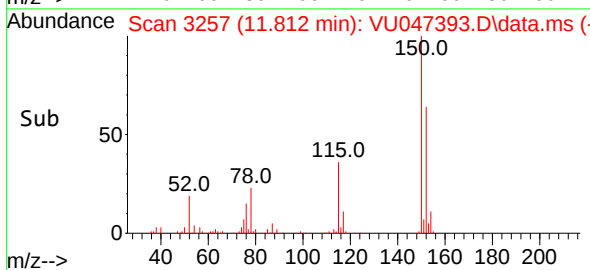
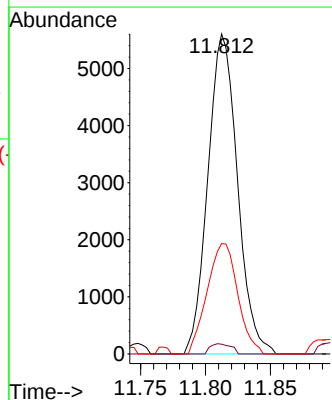
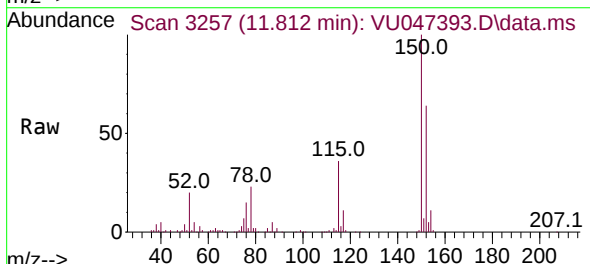
Instrument :
MSVOA_U
ClientSampleId :
BFY20

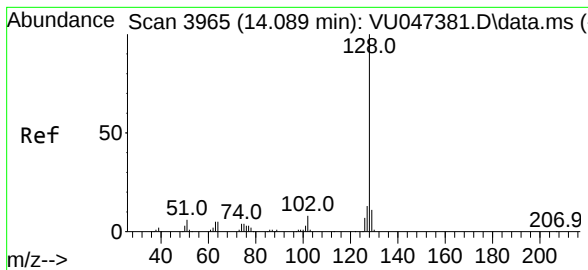
Tgt Ion:105 Resp: 2346
Ion Ratio Lower Upper
105 100
120 19.5 20.7 31.1#
77 13.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 1.231 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU047393.D
Acq: 08 Mar 2022 15:51

Tgt Ion: 75 Resp: 8865
Ion Ratio Lower Upper
75 100
110 2.2 29.9 44.9#
77 35.7 25.5 38.3





#71
Naphthalene
Concen: 0.185 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU047393.D
Acq: 08 Mar 2022 15:51

Instrument :
MSVOA_U
ClientSampleId :
BFY20

Tgt Ion:128 Resp: 5806
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 11.5 10.2 15.2

