

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U030422\
 Data File : U047336.D
 Acq On : 04 Mar 2022 17:54
 Operator : SY/MD
 Sample : N1773-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY16

Quant Time: Mar 04 23:23:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 04 23:20:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	188515	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	179826	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98220	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	63256	4.728	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.600%
7) Chloroethane-d5	1.919	69	56477	5.060	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.575	65	26423	4.676	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.600%
20) 2-Butanone-d5	4.645	46	200159	45.568	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.140%
24) Chloroform-d	5.066	84	122338	4.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.706	65	69373	5.000	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.729	84	250008	4.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.693	67	79131	5.016	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.899	98	230549	4.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	8.179	79	33226	4.793	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.800%
46) 2-Hexanone-d5	8.635	63	190026	48.169	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.340%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	77018	4.793	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	100753	5.235	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	943	0.104	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	38295	4.144	ug/L	89
13) Acetone	2.661	43	9162	5.167	ug/L	76
17) Methyl tert-butyl Ether	3.369	73	74905	3.027	ug/L	98
18) trans-1,2-Dichloroethene	3.359	96	5062	0.504	ug/L	88
19) 1,1-Dichloroethane	3.877	63	36909	2.209	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	495372	45.346	ug/L	95
25) Chloroform	5.092	83	12891	0.705	ug/L	95
29) 1,1,1-Trichloroethane	5.320	97	20444	1.354	ug/L	98
31) Carbon tetrachloride	5.320	117	2689	0.206	ug/L	91
34) Trichloroethene	6.545	95	4785273	448.620	ug/L	95
35) Methylcyclohexane	6.693	83	18978	1.160	ug/L #	19
37) 1,2-Dichloropropane	6.693	63	8415	0.836	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	2220	0.139	ug/L #	55
45) 1,1,2-Trichloroethane	8.555	97	27066	3.110	ug/L #	1
47) Tetrachloroethene	8.558	164	3432365	377.734	ug/L	93
49) Dibromochloromethane	8.558	129	3210320	313.437	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	10846	1.330	ug/L #	68
65) 1,4-Dichlorobenzene	11.838	146	2385	0.099	ug/L	95

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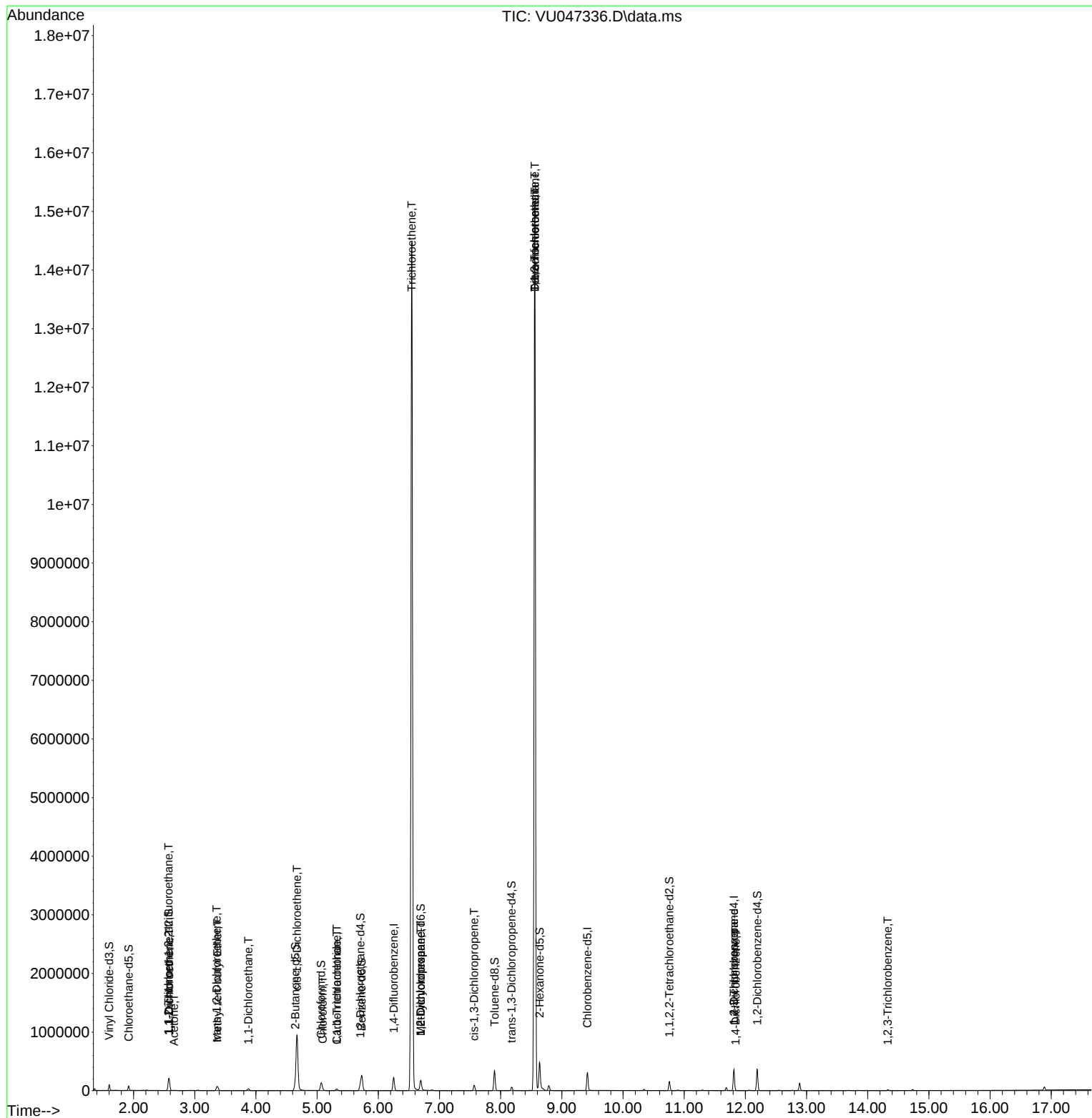
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.327	180	5248	0.316	ug/L	96

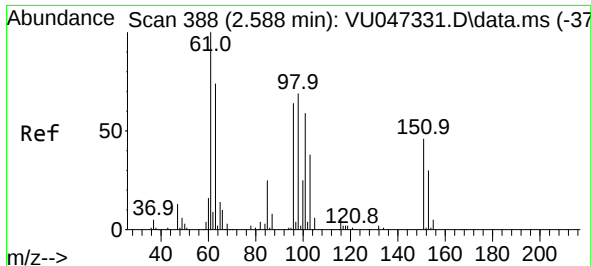
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.104 ug/L

RT: 2.571 min Scan# 31

Delta R.T. -0.016 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

BFY16

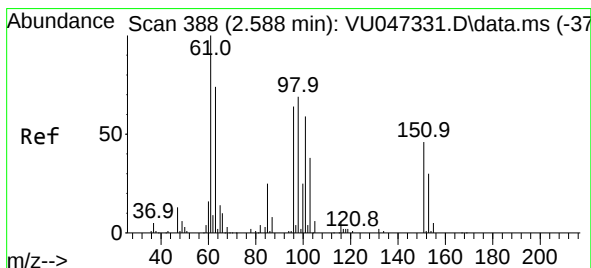
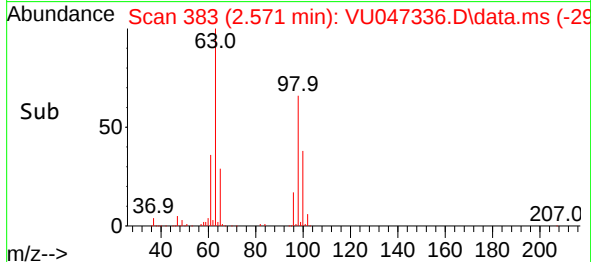
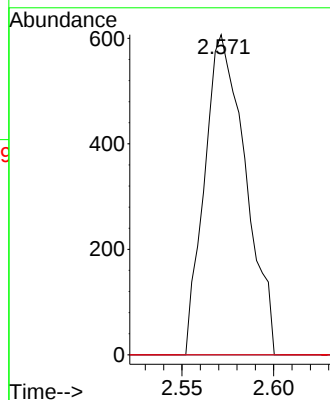
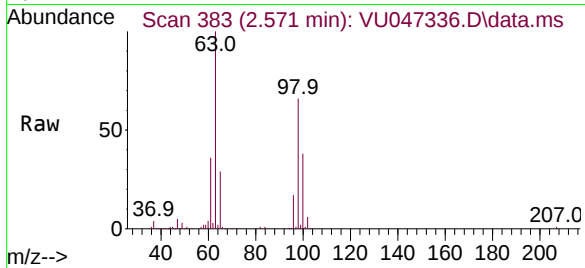
Tgt Ion:101 Resp: 943

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: 4.144 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

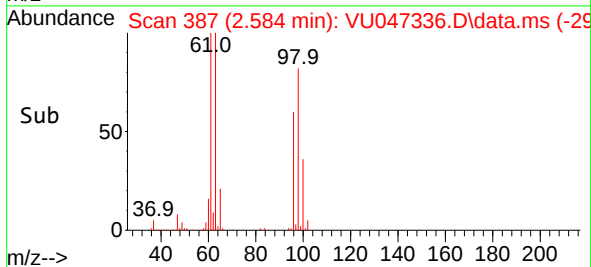
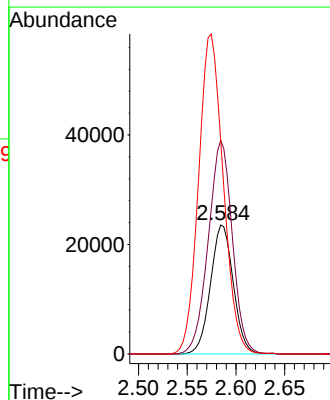
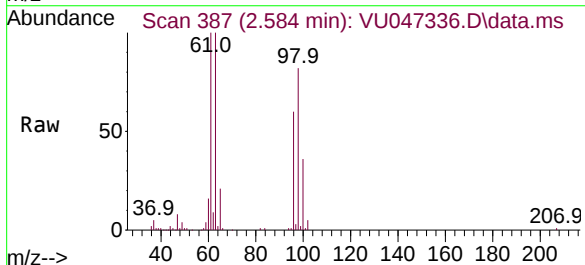
Tgt Ion: 96 Resp: 38295

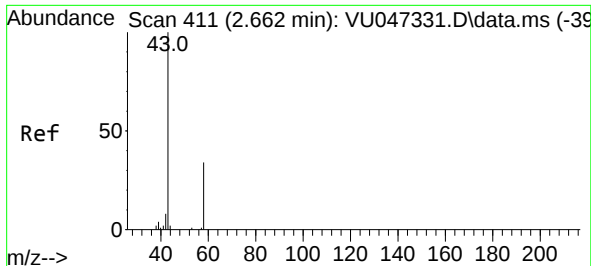
Ion Ratio Lower Upper

96 100

61 165.7 124.7 231.5

63 166.5 105.2 195.4





#13

Acetone

Concen: 5.167 ug/L

RT: 2.661 min Scan# 411

Delta R.T. -0.000 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

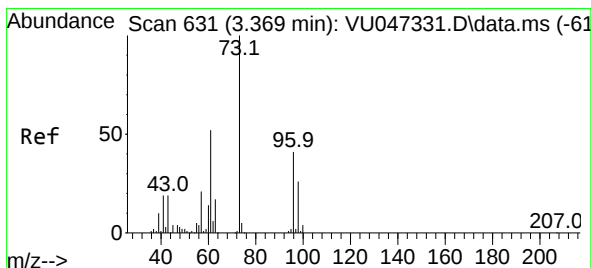
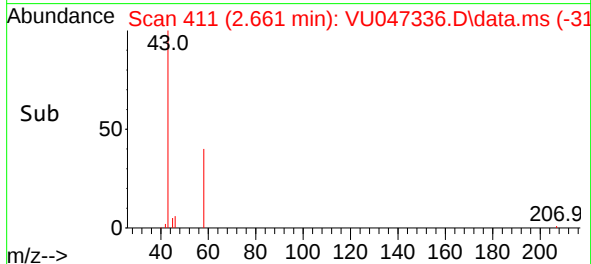
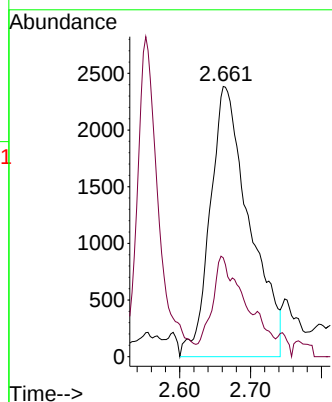
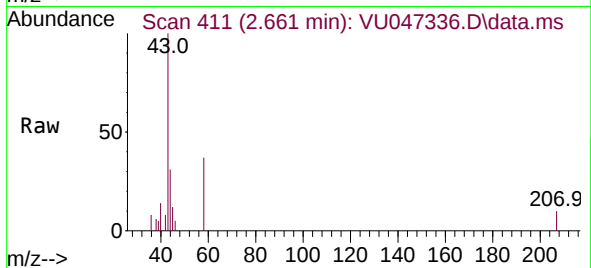
BFY16

Tgt Ion: 43 Resp: 9162

Ion Ratio Lower Upper

43 100

58 21.9 0.0 71.6



#17

Methyl tert-butyl Ether

Concen: 3.027 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

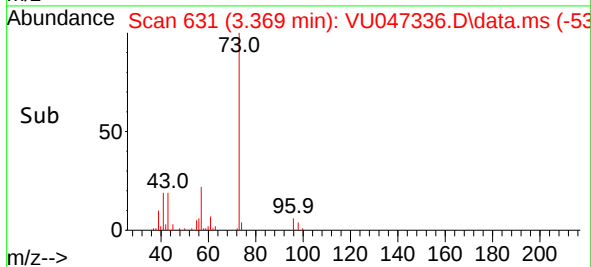
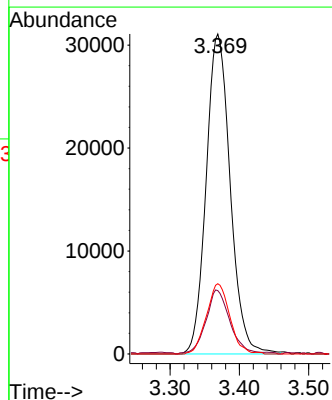
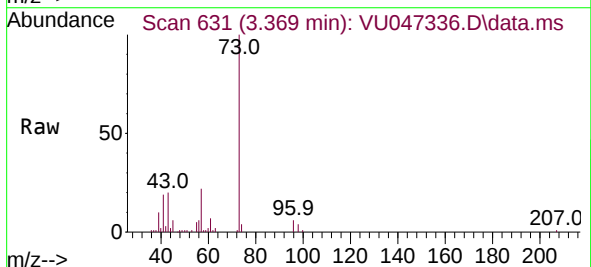
Tgt Ion: 73 Resp: 74905

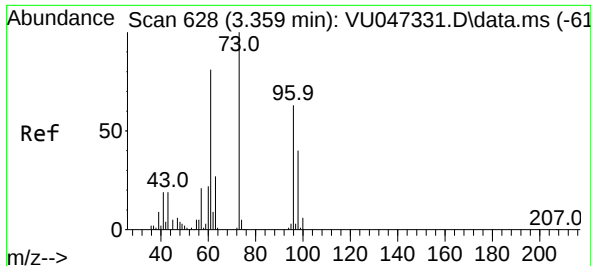
Ion Ratio Lower Upper

73 100

43 20.0 14.8 22.2

57 21.2 17.4 26.0

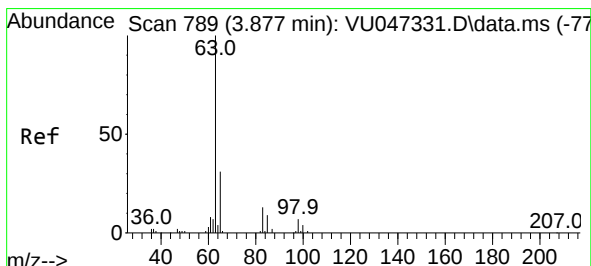
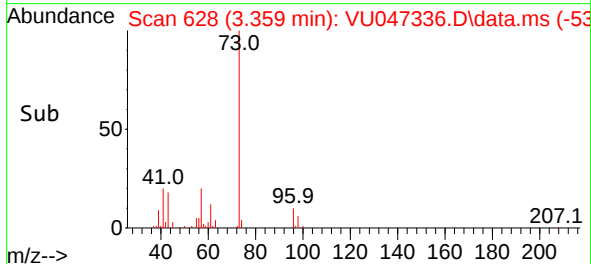
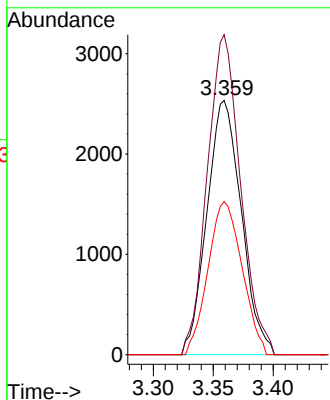
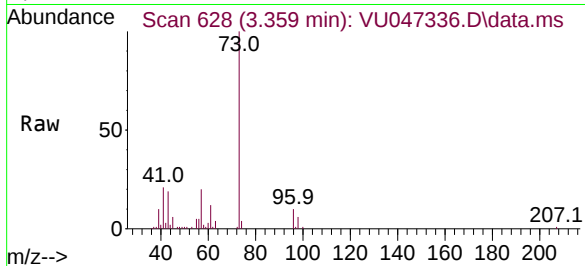




#18
trans-1,2-Dichloroethene
Concen: 0.504 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047336.D
Acq: 04 Mar 2022 17:54

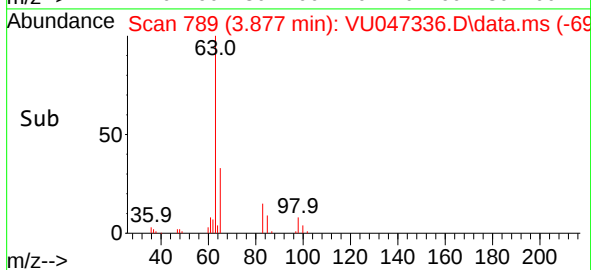
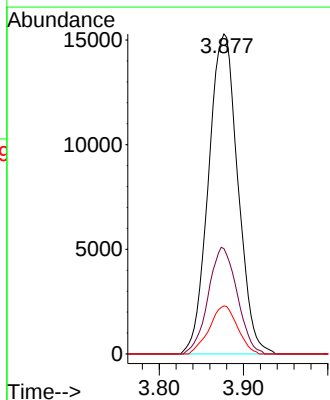
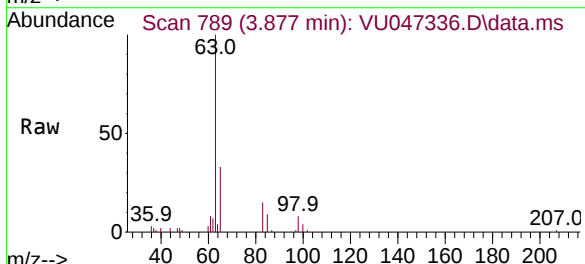
Instrument :
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ClientSampleId :
BFY16

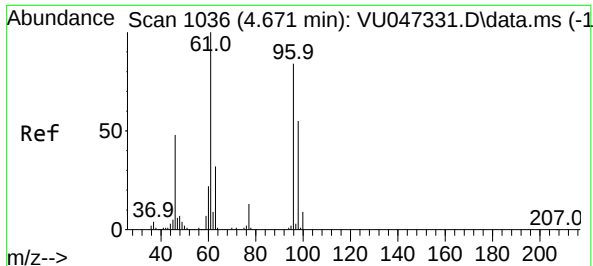
Tgt Ion: 96 Resp: 5062
Ion Ratio Lower Upper
96 100
61 125.8 100.8 187.2
98 60.2 45.1 83.7



#19
1,1-Dichloroethane
Concen: 2.209 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU047336.D
Acq: 04 Mar 2022 17:54

Tgt Ion: 63 Resp: 36909
Ion Ratio Lower Upper
63 100
65 32.9 22.3 41.5
83 15.0 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 45.346 ug/L

RT: 4.671 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

BFY16

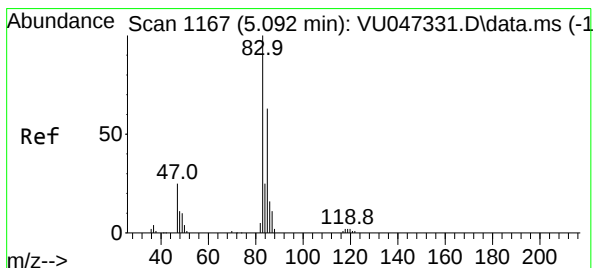
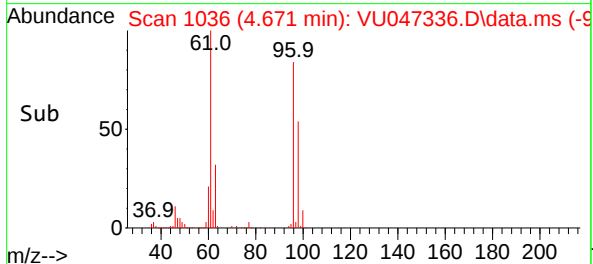
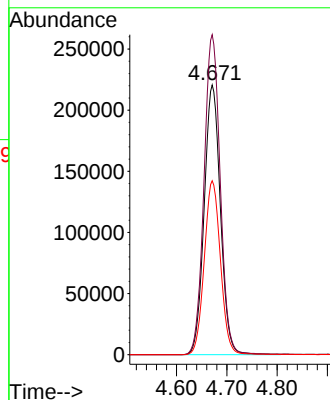
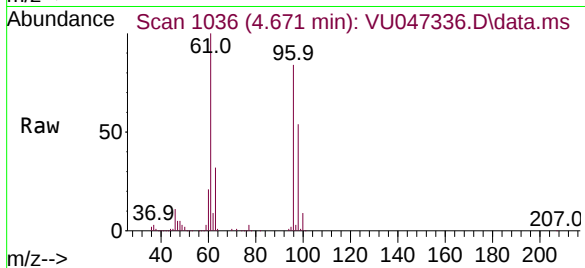
Tgt Ion: 96 Resp: 495372

Ion Ratio Lower Upper

96 100

61 118.6 88.5 164.3

98 64.5 44.4 82.5



#25

Chloroform

Concen: 0.705 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047336.D

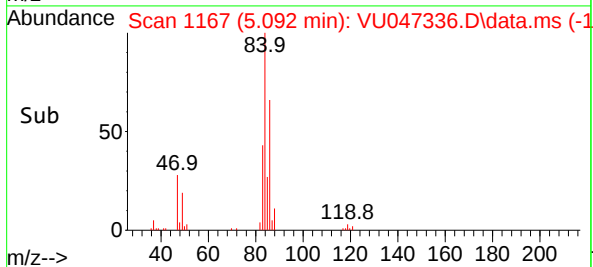
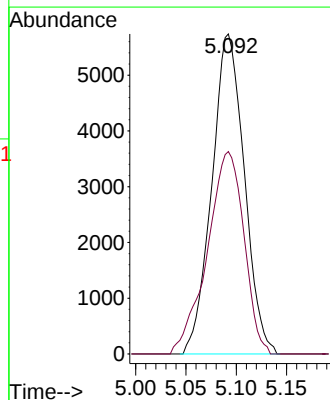
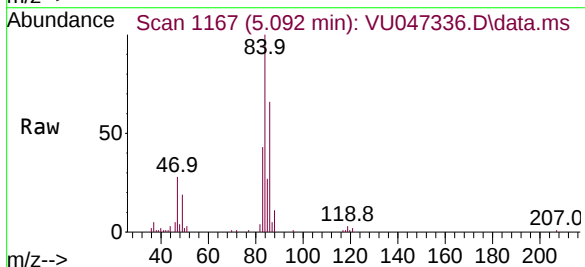
Acq: 04 Mar 2022 17:54

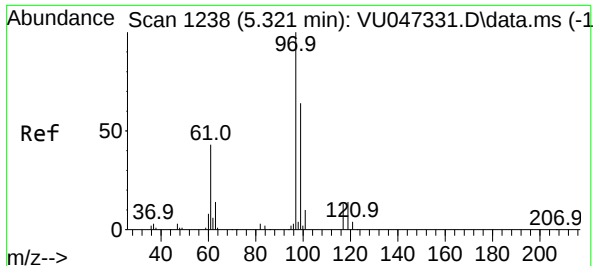
Tgt Ion: 83 Resp: 12891

Ion Ratio Lower Upper

83 100

85 63.3 46.9 87.1





#29

1,1,1-Trichloroethane

Concen: 1.354 ug/L

RT: 5.320 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Instrument :

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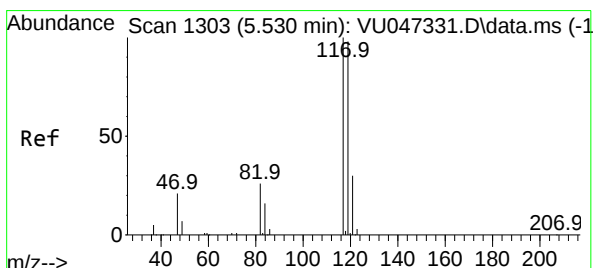
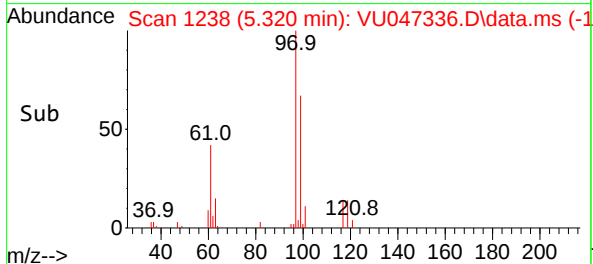
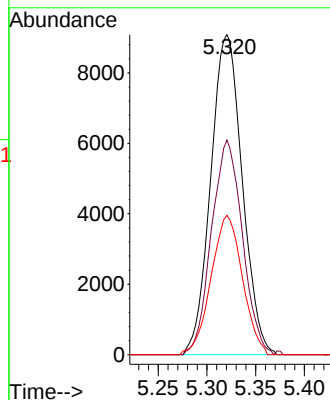
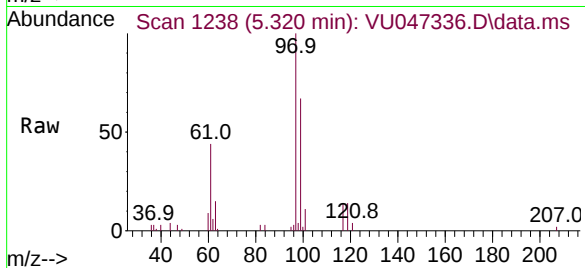
Tgt Ion: 97 Resp: 20444

Ion Ratio Lower Upper

97 100

99 65.7 51.3 76.9

61 43.3 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.206 ug/L

RT: 5.320 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047336.D

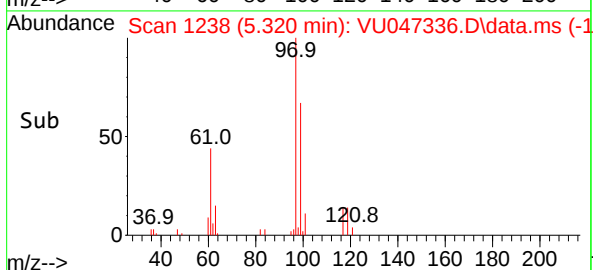
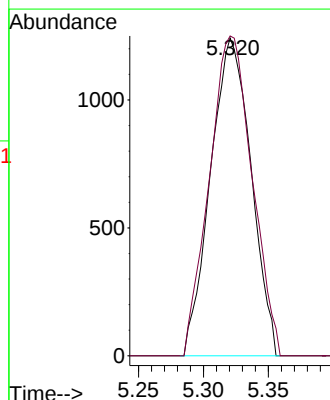
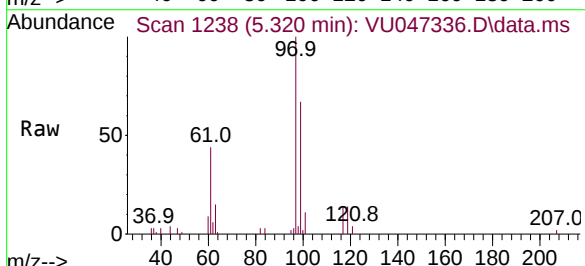
Acq: 04 Mar 2022 17:54

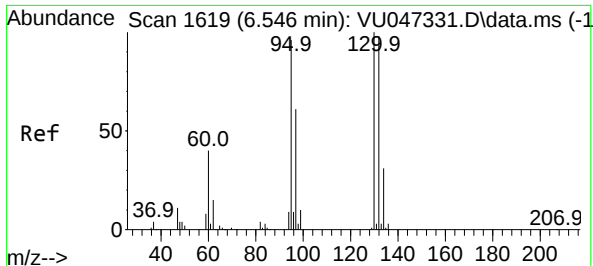
Tgt Ion: 117 Resp: 2689

Ion Ratio Lower Upper

117 100

119 106.2 77.5 116.3

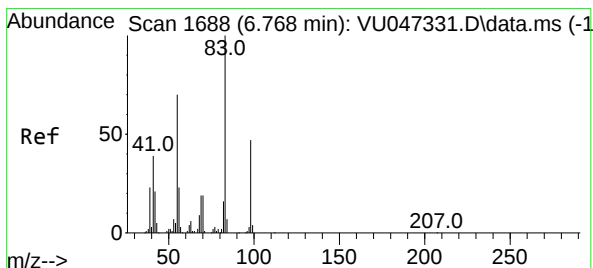
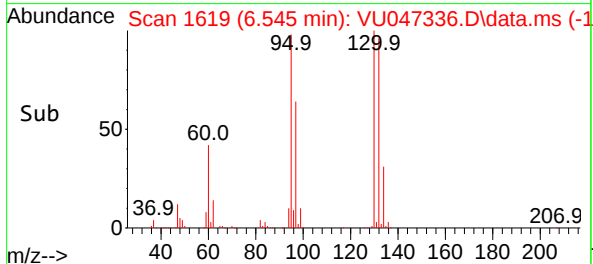
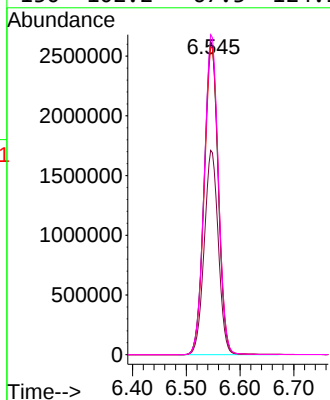
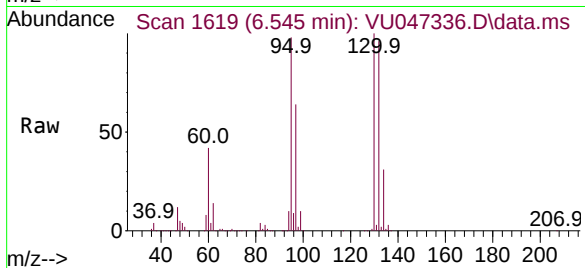




#34
Trichloroethene
Concen: 448.620 ug/L
RT: 6.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU047336.D
Acq: 04 Mar 2022 17:54

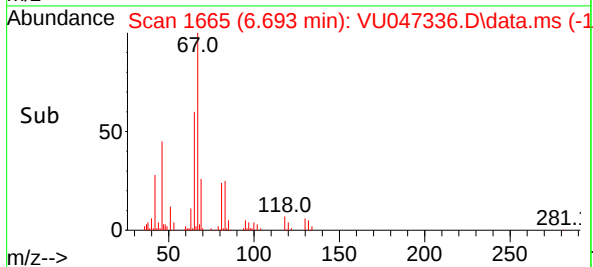
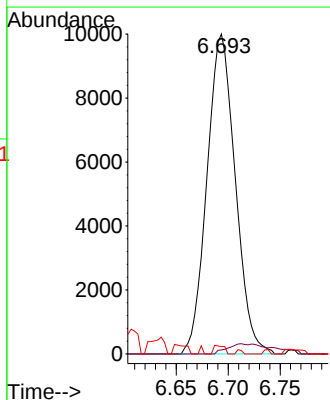
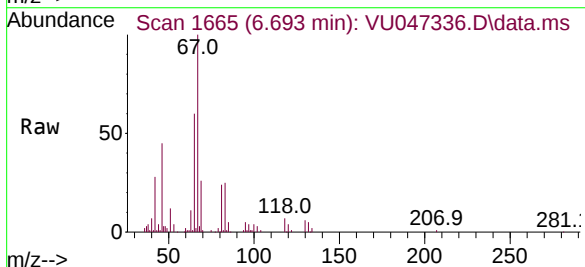
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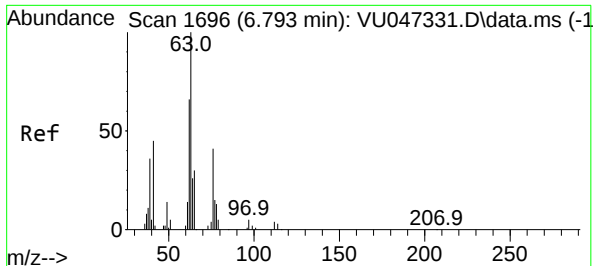
Tgt Ion: 95 Resp: 4785273
Ion Ratio Lower Upper
95 100
97 65.3 46.5 86.5
132 98.2 65.1 120.9
130 102.2 67.3 124.9



#35
Methylcyclohexane
Concen: 1.160 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047336.D
Acq: 04 Mar 2022 17:54

Tgt Ion: 83 Resp: 18978
Ion Ratio Lower Upper
83 100
55 2.3 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.836 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

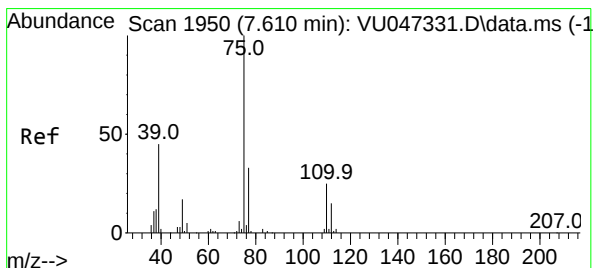
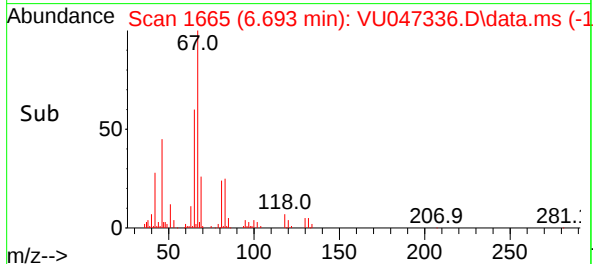
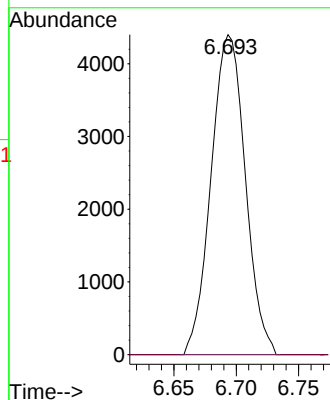
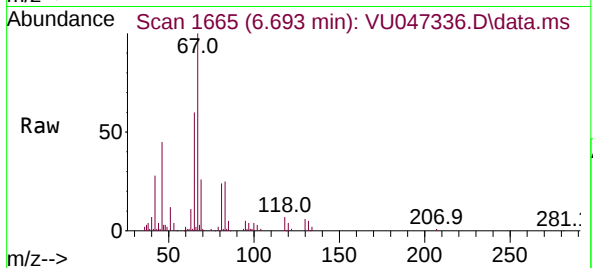
BFY16

Tgt Ion: 63 Resp: 8415

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.139 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU047336.D

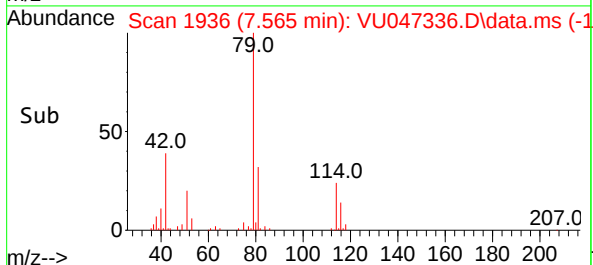
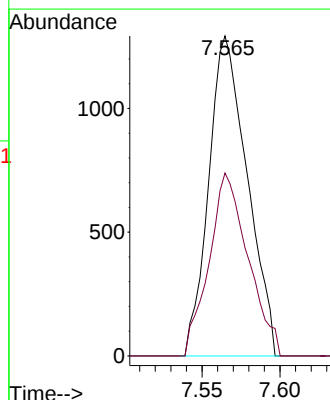
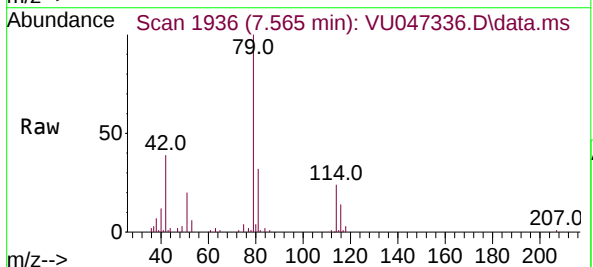
Acq: 04 Mar 2022 17:54

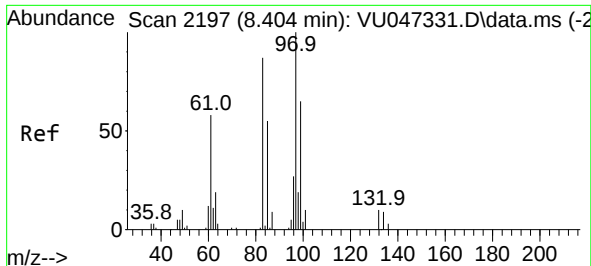
Tgt Ion: 75 Resp: 2220

Ion Ratio Lower Upper

75 100

77 57.2 22.5 41.9#





#45

1,1,2-Trichloroethane

Concen: 3.110 ug/L

RT: 8.555 min Scan# 2197

Delta R.T. 0.151 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

BFY16

Tgt Ion: 97 Resp: 27066

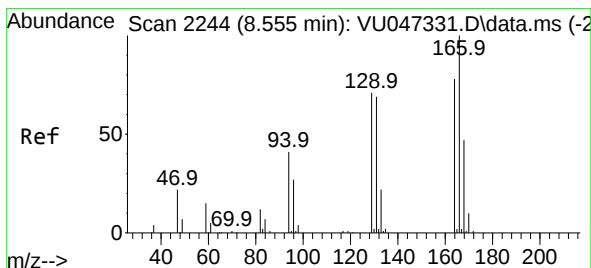
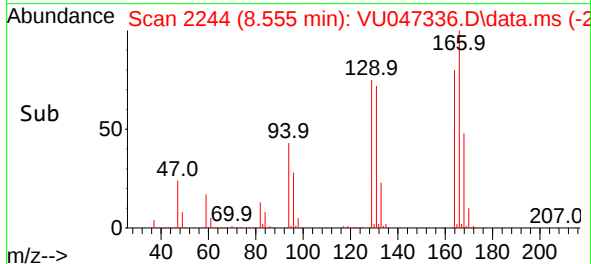
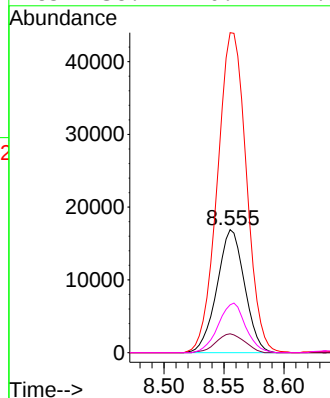
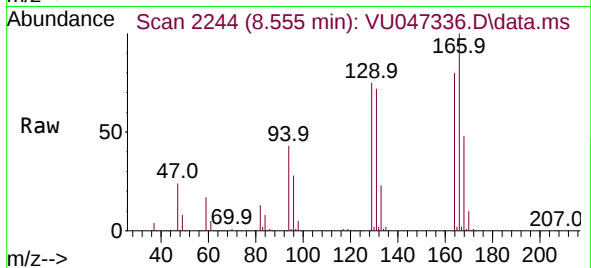
Ion Ratio Lower Upper

97 100

99 15.4 42.3 78.5#

83 260.0 62.0 115.2#

85 38.9 40.1 74.5#



#47

Tetrachloroethene

Concen: 377.734 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. 0.003 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Tgt Ion:164 Resp: 3432365

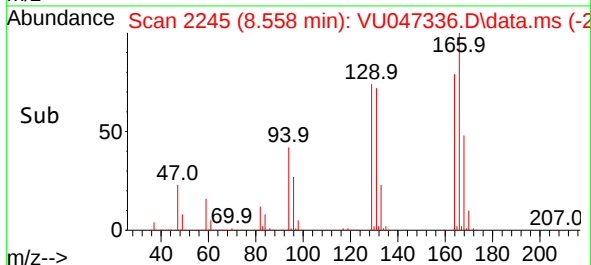
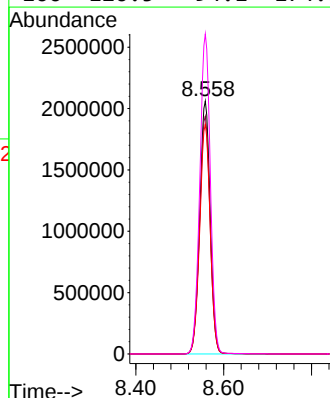
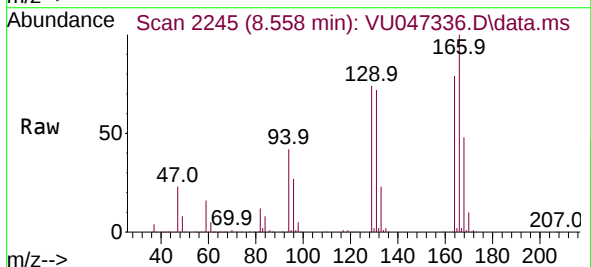
Ion Ratio Lower Upper

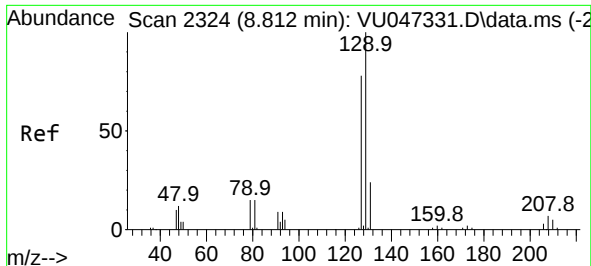
164 100

129 94.0 71.8 133.4

131 90.7 68.5 127.3

166 126.5 94.1 174.8





#49

Dibromochloromethane

Concen: 313.437 ug/L

RT: 8.558 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

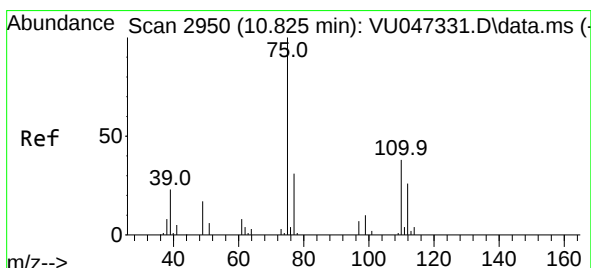
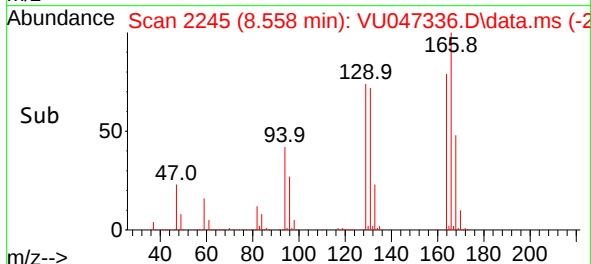
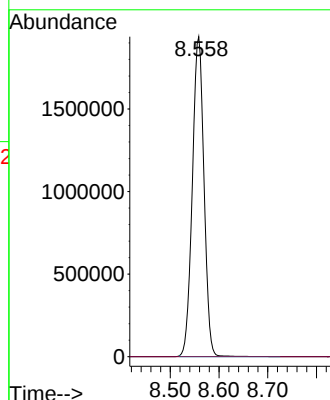
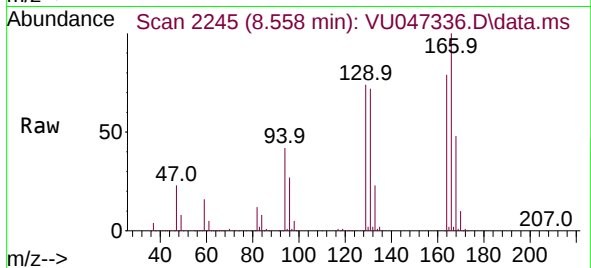
BFY16

Tgt Ion:129 Resp: 3210320

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.330 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

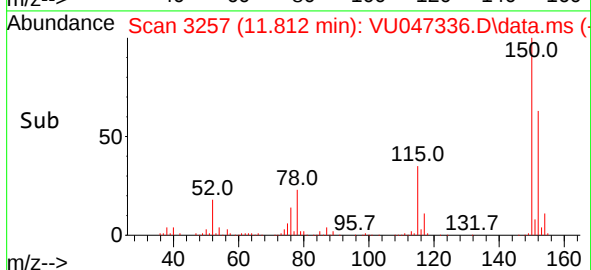
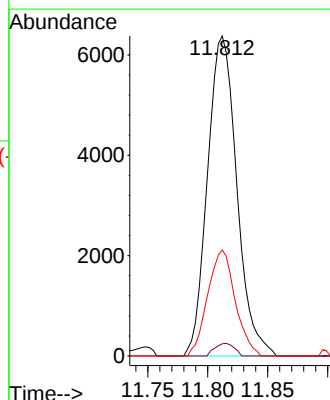
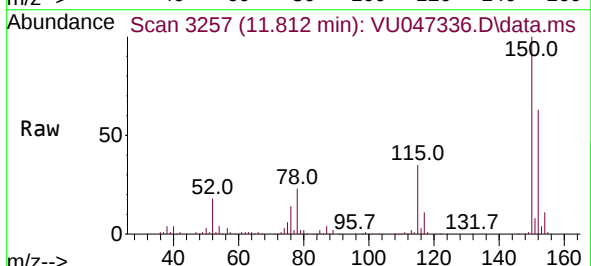
Tgt Ion: 75 Resp: 10846

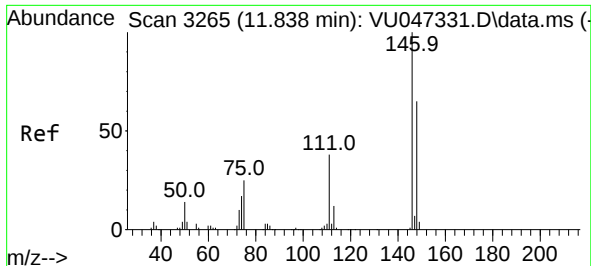
Ion Ratio Lower Upper

75 100

110 2.6 29.9 44.9#

77 31.0 25.5 38.3

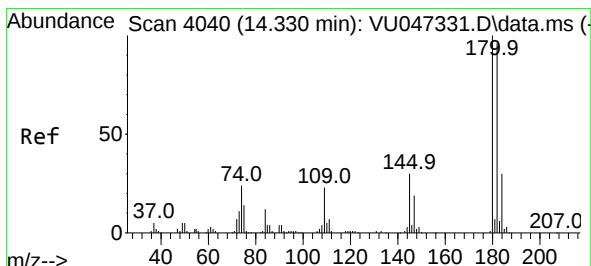
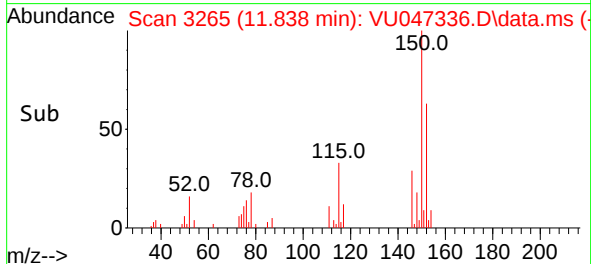
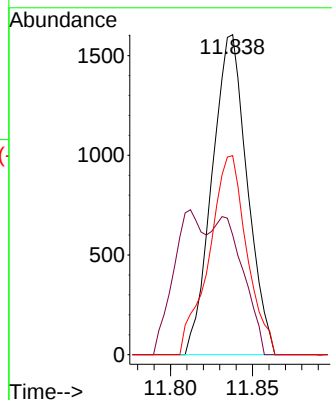
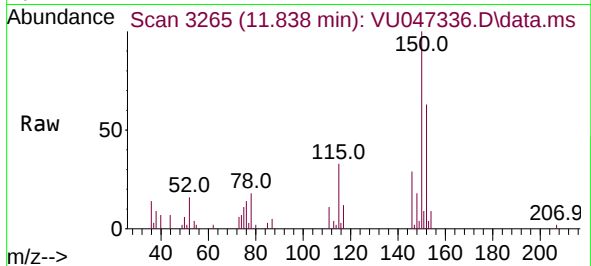




#65
1,4-Dichlorobenzene
Concen: 0.099 ug/L
RT: 11.838 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047336.D
Acq: 04 Mar 2022 17:54

Instrument :
MSVOA_U
ClientSampleId :
BFY16

Tgt Ion:146 Resp: 2385
Ion Ratio Lower Upper
146 100
111 37.4 28.7 53.3
148 62.2 45.8 85.0



#72
1,2,3-Trichlorobenzene
Concen: 0.316 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VU047336.D
Acq: 04 Mar 2022 17:54

Tgt Ion:180 Resp: 5248
Ion Ratio Lower Upper
180 100
182 97.1 76.2 114.4
145 29.2 28.4 42.6

