

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030422\
 Data File : VU047336.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)

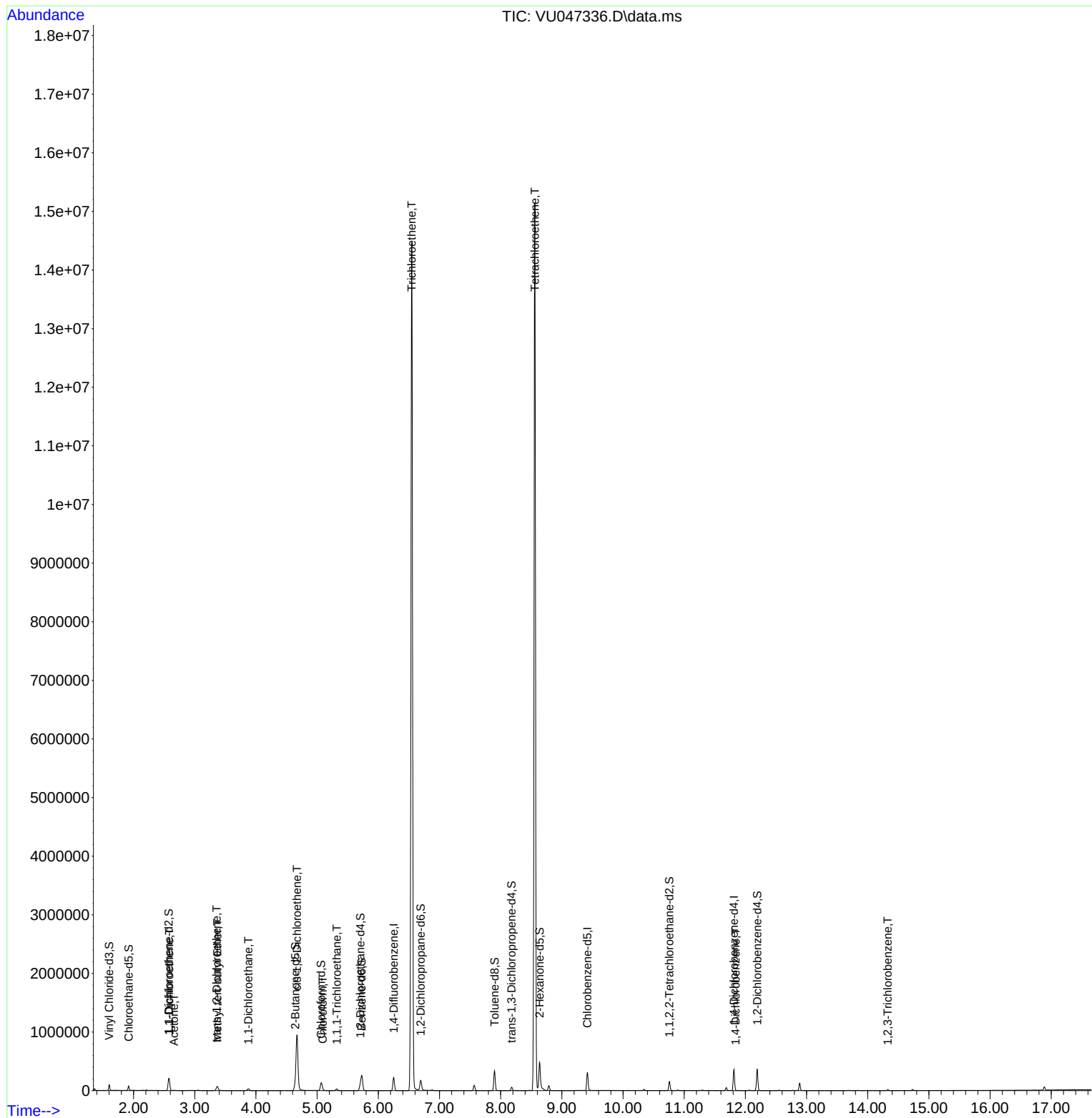
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	188515	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	179826	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98220	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	63256	4.728	ug/L	0.00
Spiked Amount	5.000	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
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
34) Trichloroethene	6.545	95	4785273	448.620	ug/L	95
47) Tetrachloroethene	8.558	164	3432365	377.734	ug/L	93
65) 1,4-Dichlorobenzene	11.838	146	2385	0.099	ug/L	95
72) 1,2,3-Trichlorobenzene	14.327	180	5248	0.316	ug/L	96

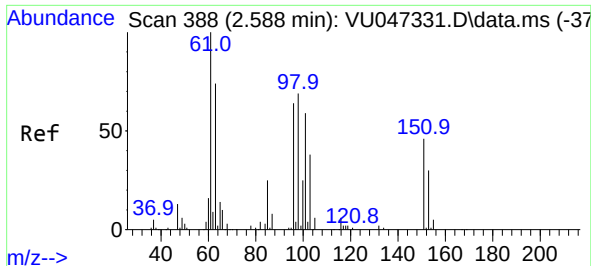
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.144 ug/L

RT: 2.584 min Scan# 388

Delta R.T. -0.003 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

BFY16

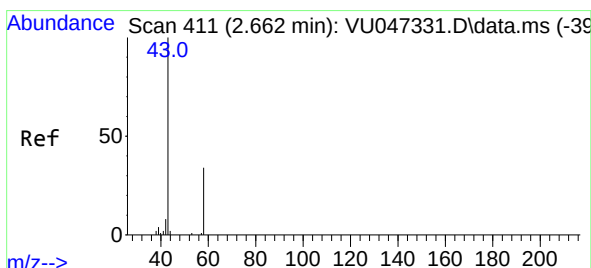
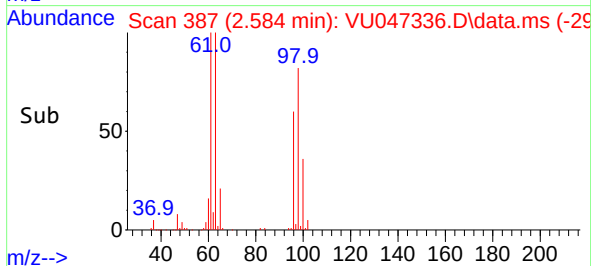
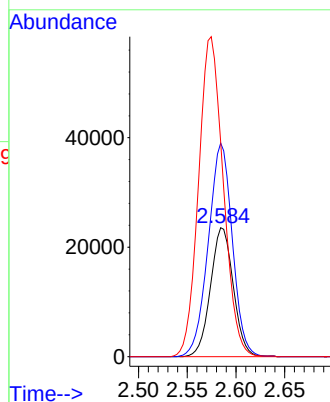
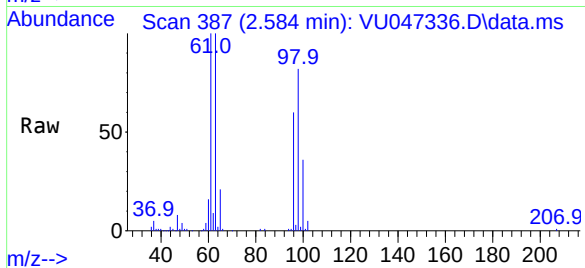
Tgt Ion: 96 Resp: 38295

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

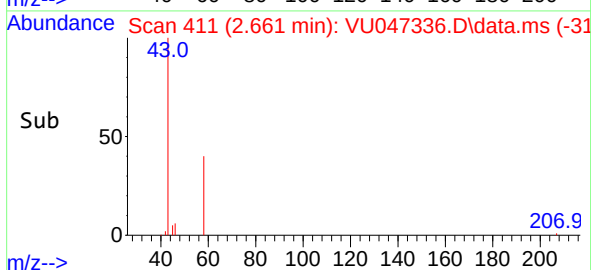
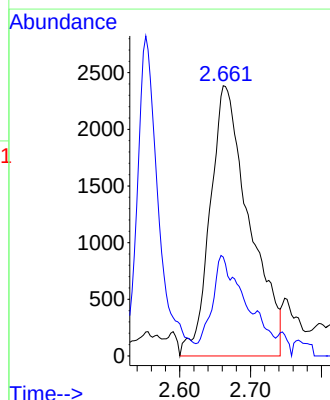
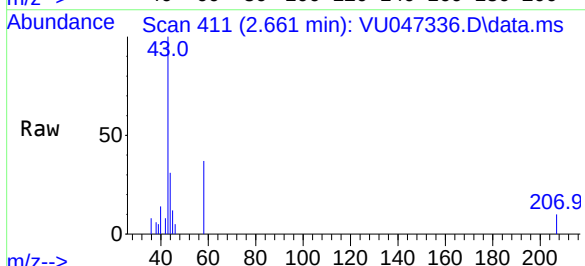
Acq: 04 Mar 2022 17:54

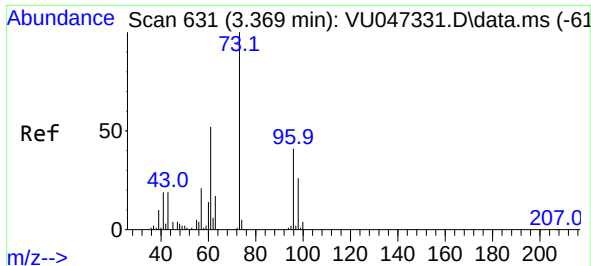
Tgt Ion: 43 Resp: 9162

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# 61

Delta R.T. -0.000 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

BFY16

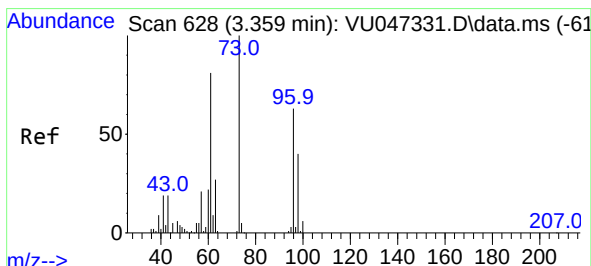
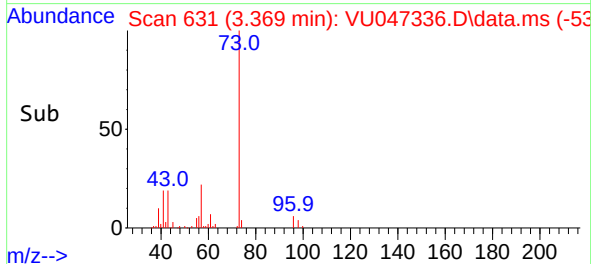
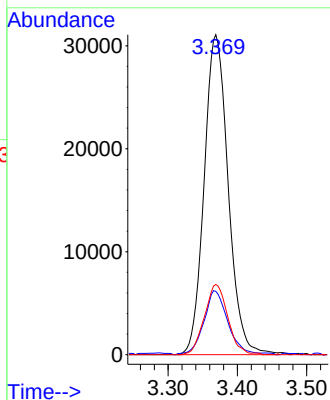
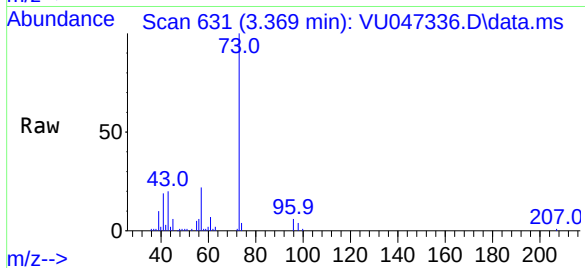
Tgt Ion: 73 Resp: 74905

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# 628

Delta R.T. -0.000 min

Lab File: VU047336.D

Acq: 04 Mar 2022 17:54

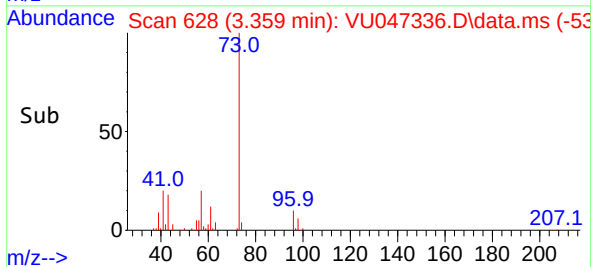
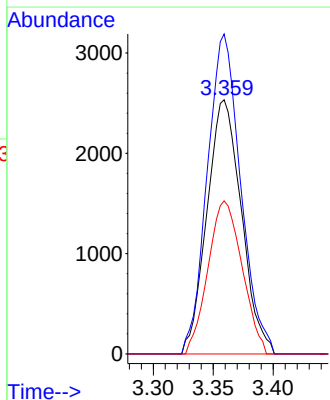
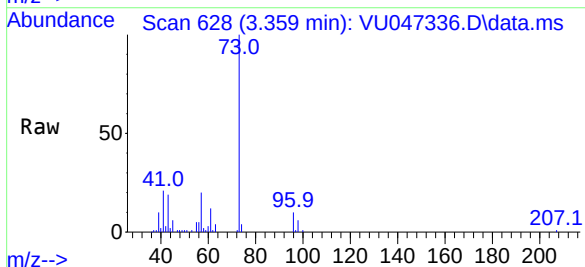
Tgt Ion: 96 Resp: 5062

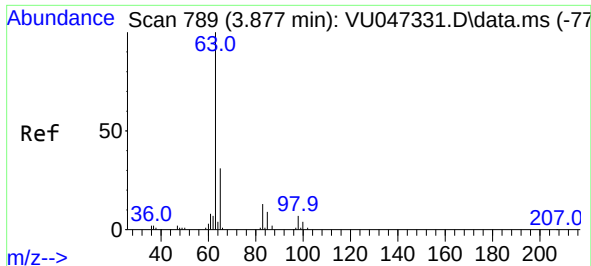
Ion Ratio Lower Upper

96 100

61 125.8 100.8 187.2

98 60.2 45.1 83.7

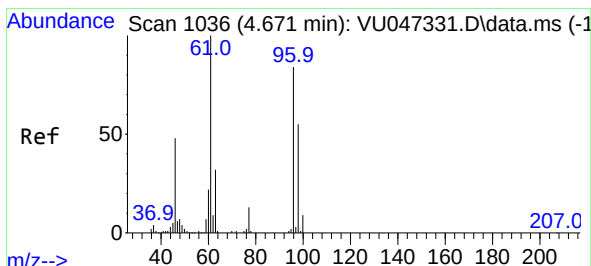
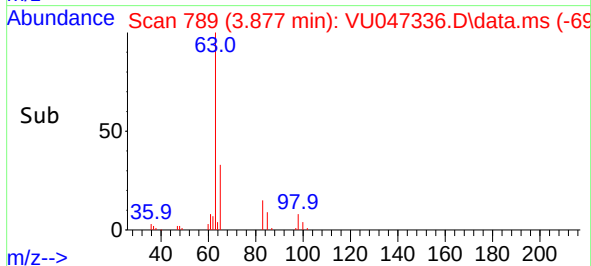
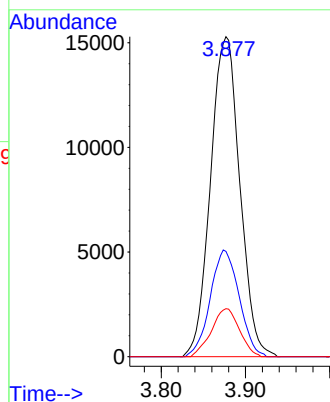
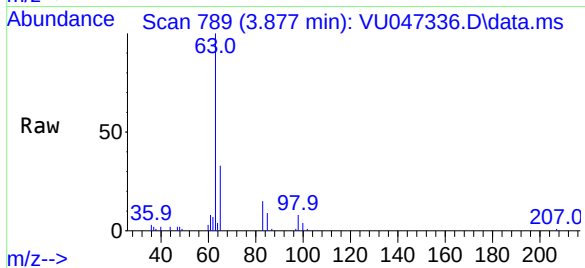




#19
1,1-Dichloroethane
Concen: 2.209 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU047336.D
Acq: 04 Mar 2022 17:54

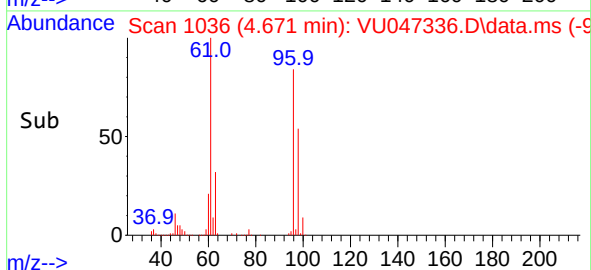
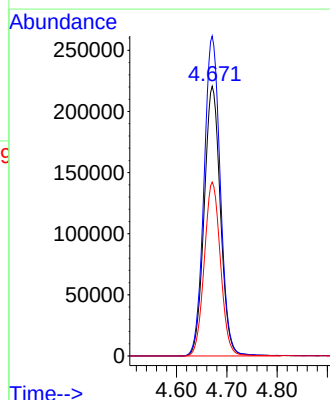
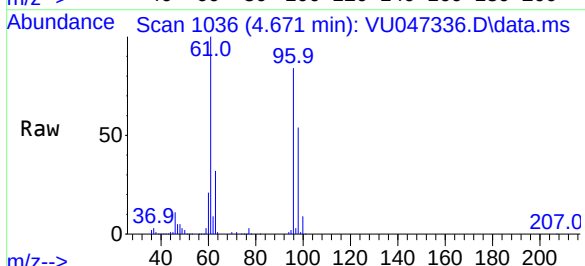
Instrument :
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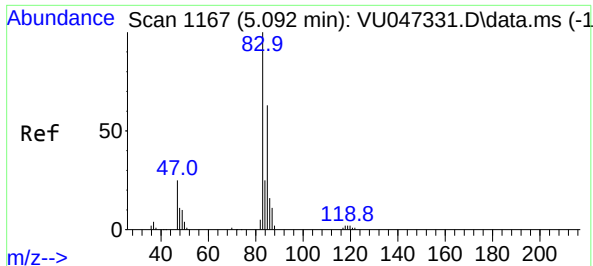
Tgt Ion: 63 Resp: 36909
Ion Ratio Lower Upper
63 100
65 32.9 22.3 41.5
83 15.0 9.6 17.8



#22
cis-1,2-Dichloroethene
Concen: 45.346 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU047336.D
Acq: 04 Mar 2022 17:54

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

Instrument :

MSVOA_U

ClientSampleId :

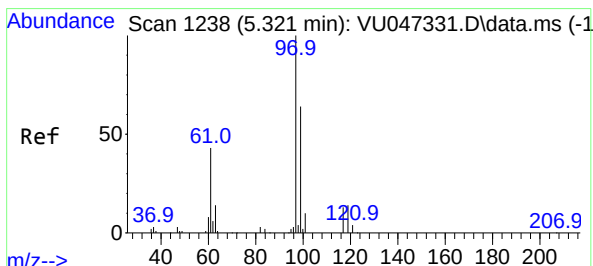
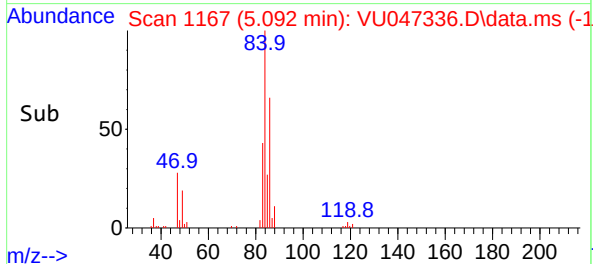
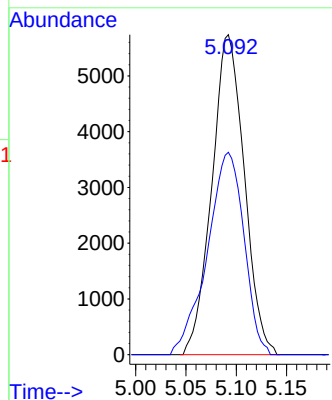
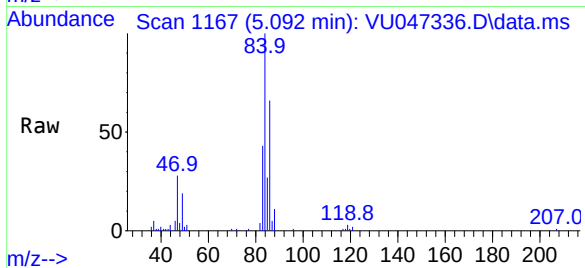
BFY16

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

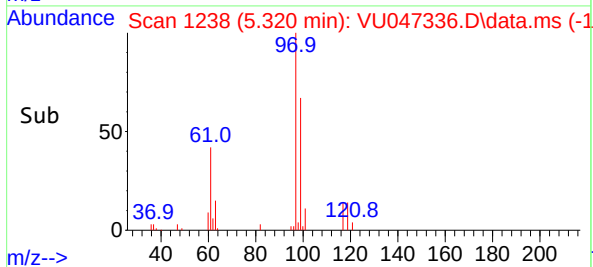
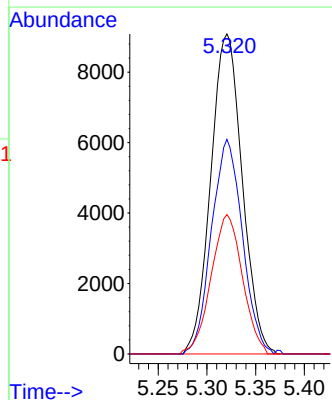
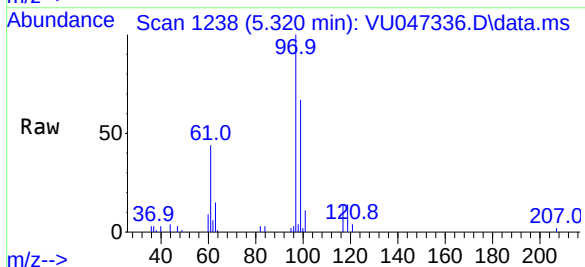
Tgt Ion: 97 Resp: 20444

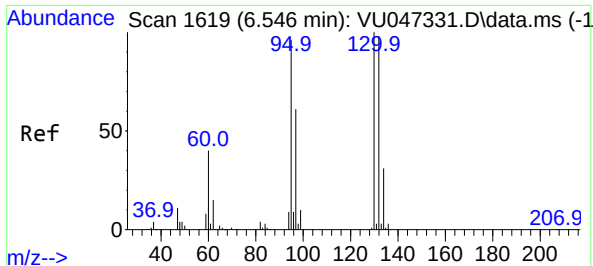
Ion Ratio Lower Upper

97 100

99 65.7 51.3 76.9

61 43.3 36.1 54.1





#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

Instrument :

MSVOA_U

ClientSampleId :

BFY16

Tgt Ion: 95 Resp: 4785273

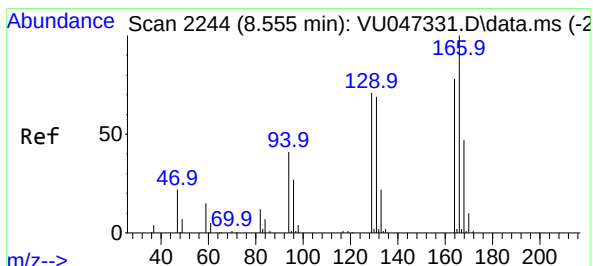
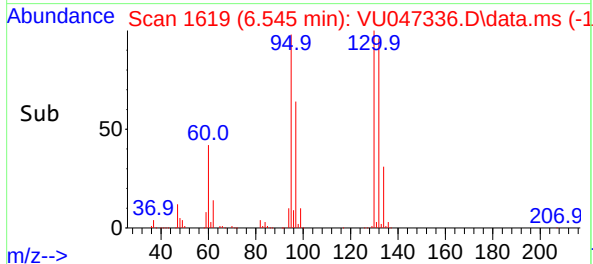
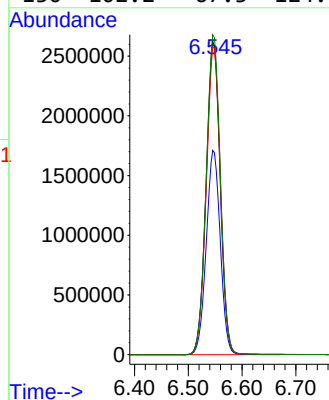
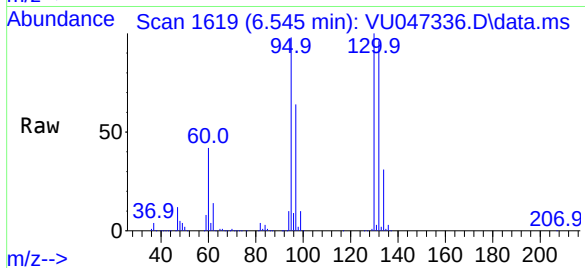
Ion Ratio Lower Upper

95 100

97 65.3 46.5 86.5

132 98.2 65.1 120.9

130 102.2 67.3 124.9



#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

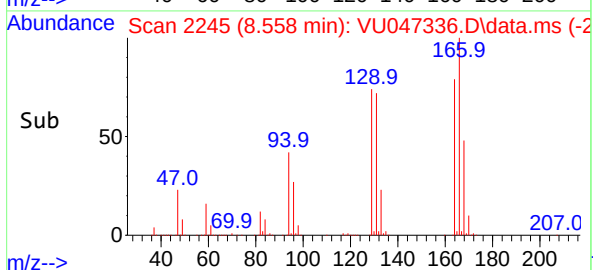
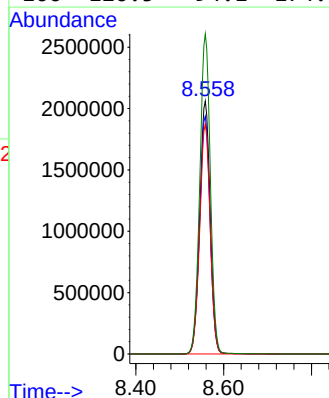
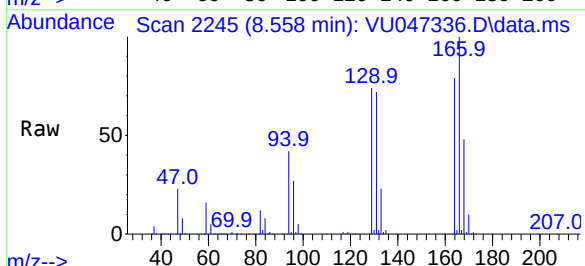
Ion Ratio Lower Upper

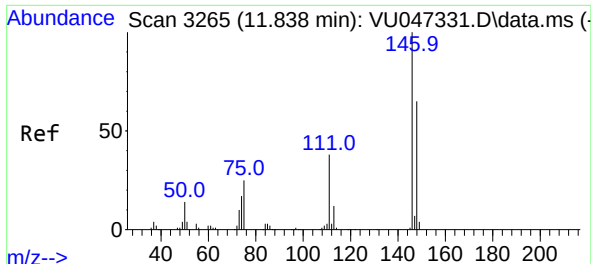
164 100

129 94.0 71.8 133.4

131 90.7 68.5 127.3

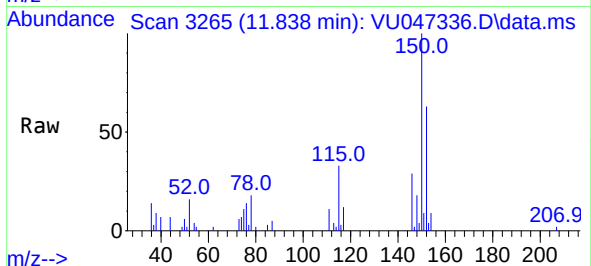
166 126.5 94.1 174.8



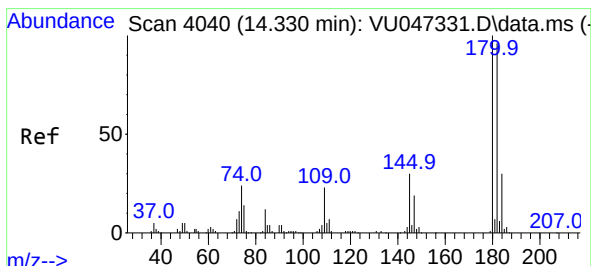
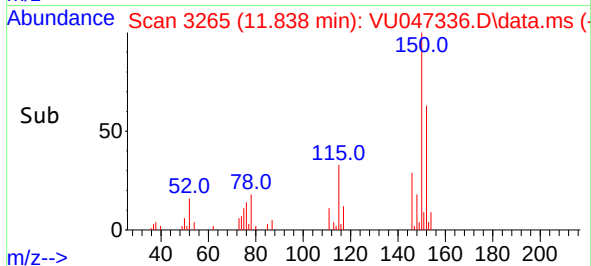
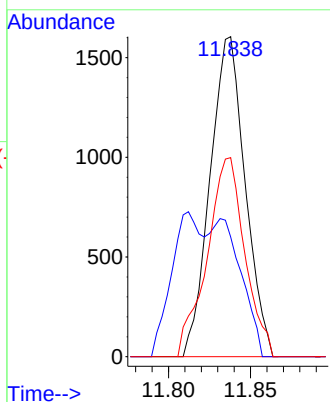


#65
1,4-Dichlorobenzene
Concen: 0.099 ug/L
RT: 11.838 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047336.D
Acq: 04 Mar 2022 17:54

Instrument :
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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

