

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
 Data File : VU047163.D
 Acq On : 16 Feb 2022 16:03
 Operator : SY/MD
 Sample : N1545-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 17 04:06:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 16 13:52:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	178737	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	182524	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	105651	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	74065	4.906	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.919	69	58811	4.916	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.572	65	29709	4.758	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	4.646	46	182784	50.659	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.320%
24) Chloroform-d	5.070	84	121891	4.861	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.707	65	66281	4.754	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.732	84	256619	5.032	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.694	67	81072	4.996	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.899	98	247472	4.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
43) trans-1,3-Dichloroprop...	8.182	79	34214	4.651	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.636	63	176745	45.631	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.260%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	68878	4.670	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	94962	5.010	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	25362	1.531	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	1968	0.162	ug/L #	28
12) 1,1-Dichloroethene	2.588	96	451371	38.377	ug/L #	60
13) Acetone	2.665	43	10512	5.820	ug/L	57
17) Methyl tert-butyl Ether	3.369	73	58990	1.835	ug/L	97
18) trans-1,2-Dichloroethene	3.359	96	3177	0.250	ug/L	95
19) 1,1-Dichloroethane	3.877	63	132916	5.982	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	780260	56.400	ug/L	99
25) Chloroform	5.092	83	15675	0.674	ug/L	99
27) 1,2-Dichloroethane	5.800	62	6838	0.440	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	230661	11.670	ug/L	99
31) Carbon tetrachloride	5.321	117	30701	1.784	ug/L	98
34) Trichloroethene	6.546	95	374396	27.064	ug/L	96
35) Methylcyclohexane	6.694	83	18789	0.805	ug/L #	28
39) cis-1,3-Dichloropropene	7.568	75	2183	0.105	ug/L #	34
47) Tetrachloroethene	8.555	164	1168914	104.123	ug/L	93
49) Dibromochloromethane	8.555	129	1097250	87.496	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	13583	1.346	ug/L #	67
65) 1,4-Dichlorobenzene	11.838	146	5905	0.195	ug/L	98

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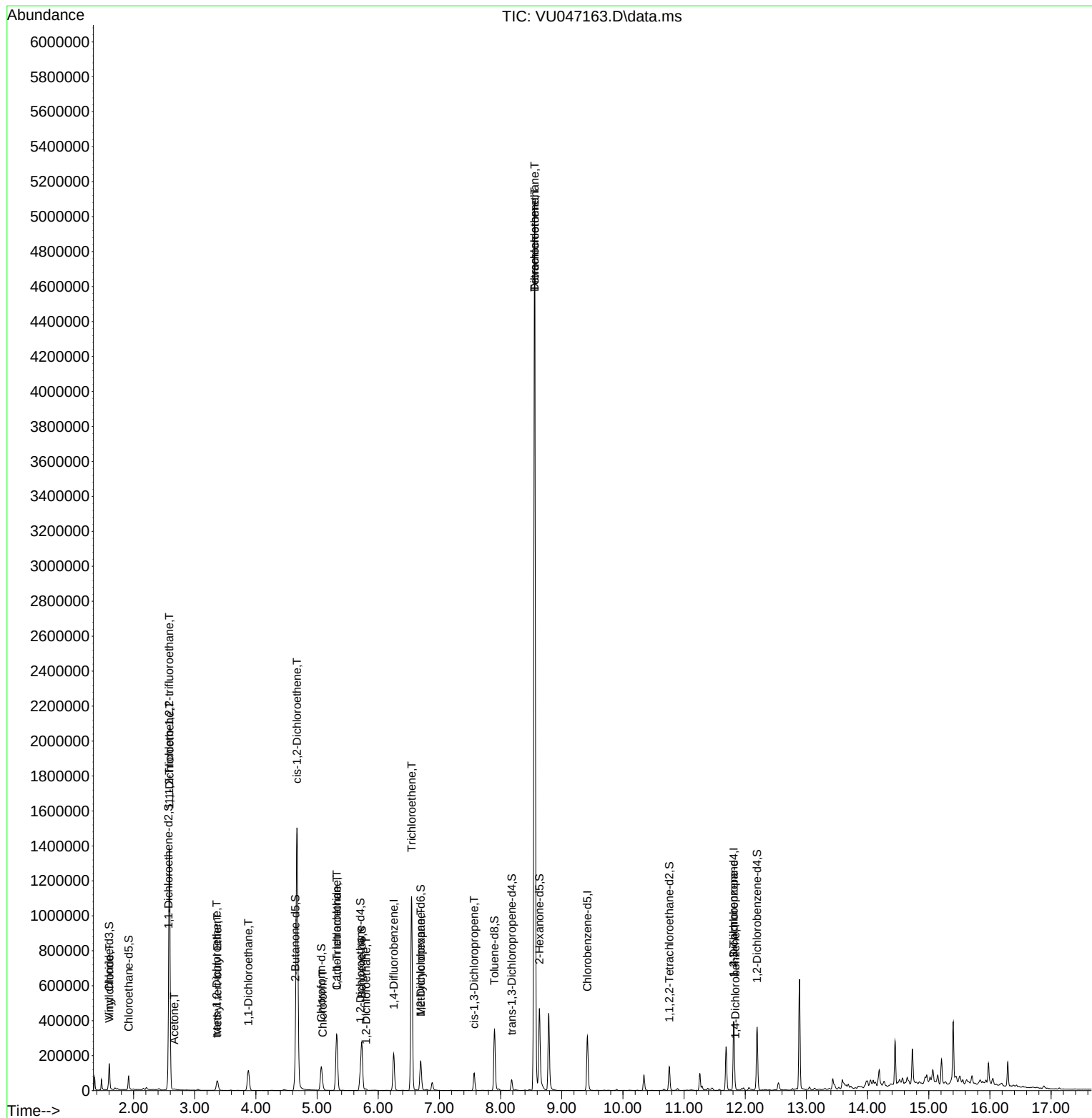
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

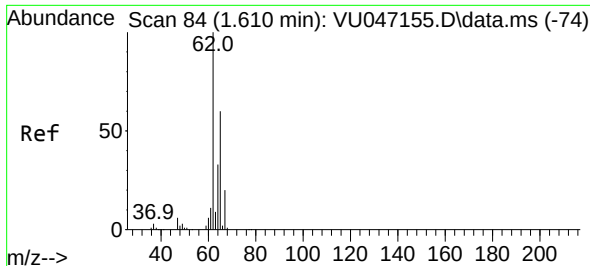
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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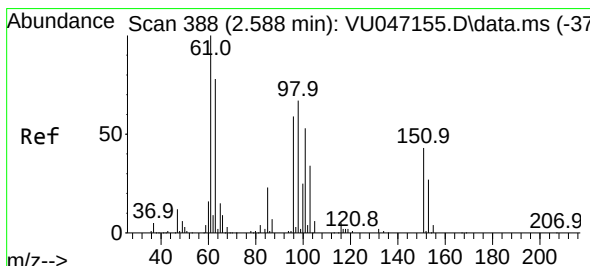
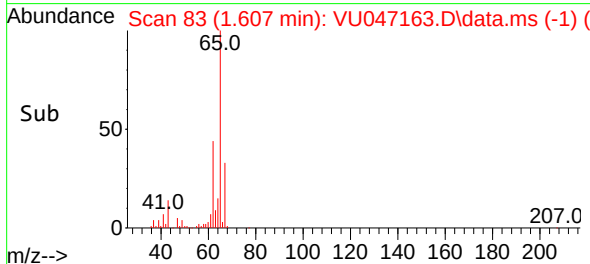
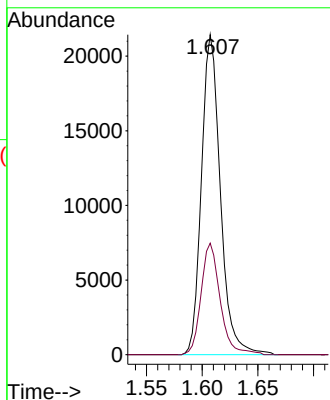
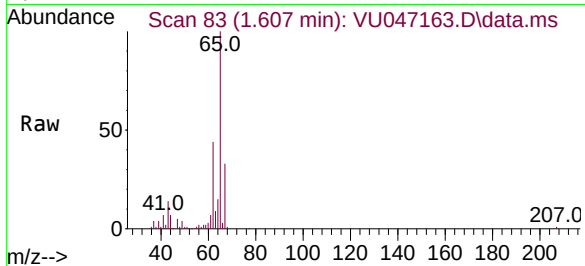




#5
 Vinyl chloride
 Concen: 1.531 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU047163.D
 Acq: 16 Feb 2022 16:03

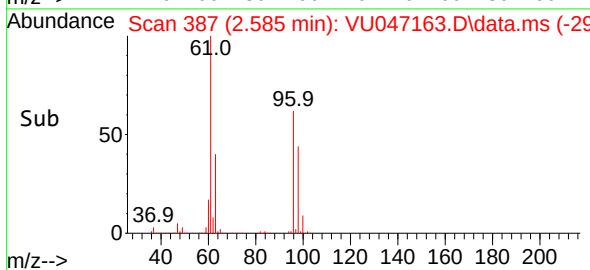
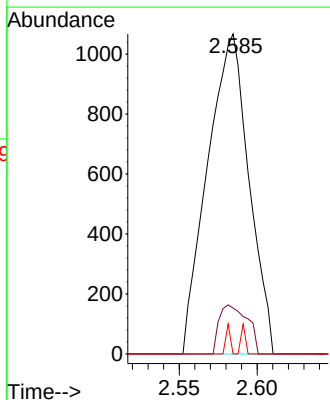
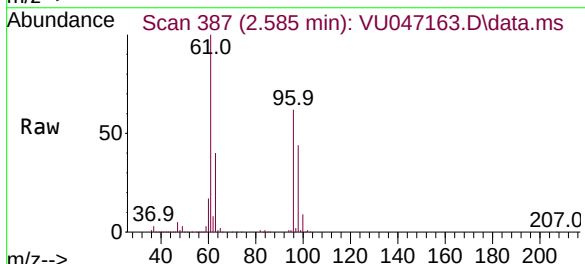
Instrument :
 MSVOA_U
 ClientSampleId :

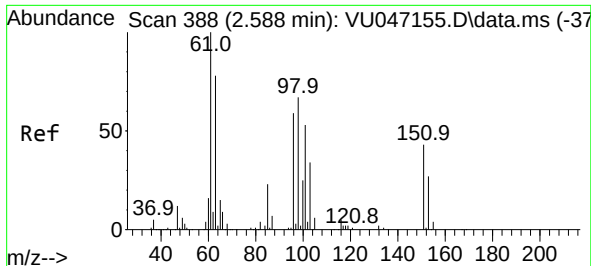
Tgt Ion: 62 Resp: 25362
 Ion Ratio Lower Upper
 62 100
 64 34.9 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.162 ug/L
 RT: 2.585 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU047163.D
 Acq: 16 Feb 2022 16:03

Tgt Ion: 101 Resp: 1968
 Ion Ratio Lower Upper
 101 100
 85 10.4 34.6 51.8#
 151 1.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 38.377 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

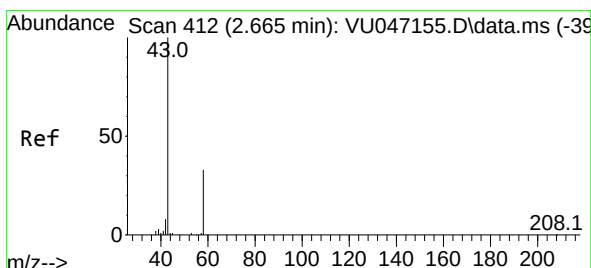
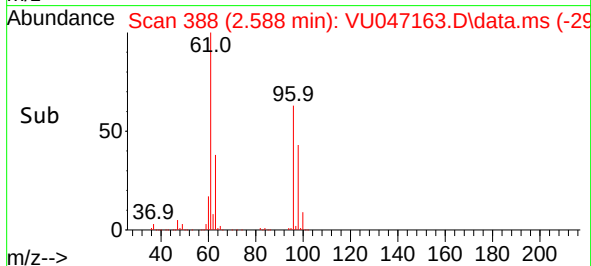
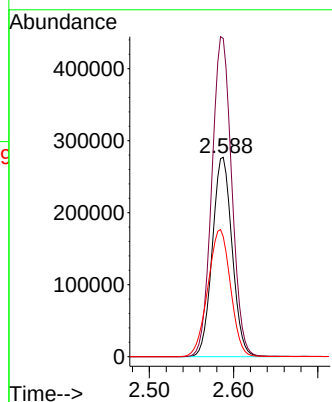
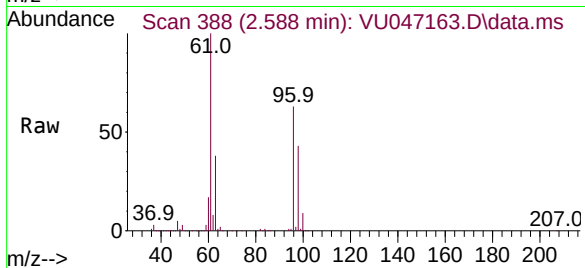
Tgt Ion: 96 Resp: 451371

Ion Ratio Lower Upper

96 100

61 159.7 124.7 231.5

63 60.2 105.2 195.4#



#13

Acetone

Concen: 5.820 ug/L

RT: 2.665 min Scan# 412

Delta R.T. -0.000 min

Lab File: VU047163.D

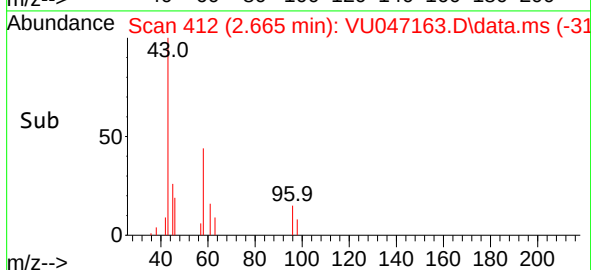
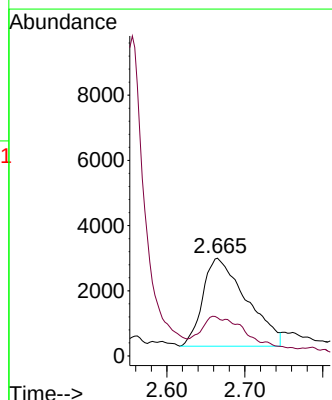
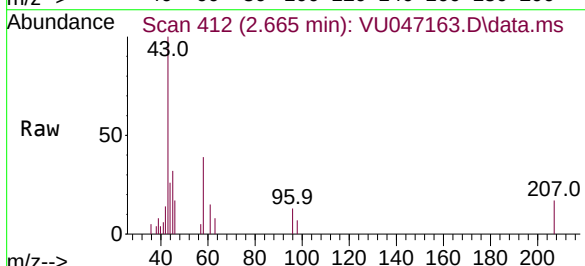
Acq: 16 Feb 2022 16:03

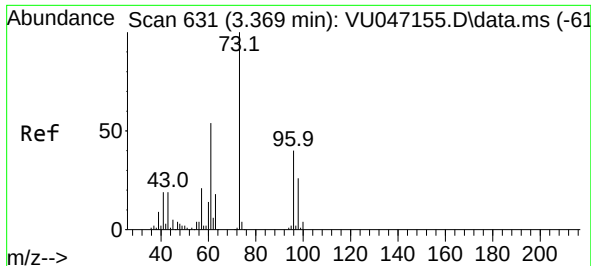
Tgt Ion: 43 Resp: 10512

Ion Ratio Lower Upper

43 100

58 10.7 0.0 71.6





#17

Methyl tert-butyl Ether

Concen: 1.835 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

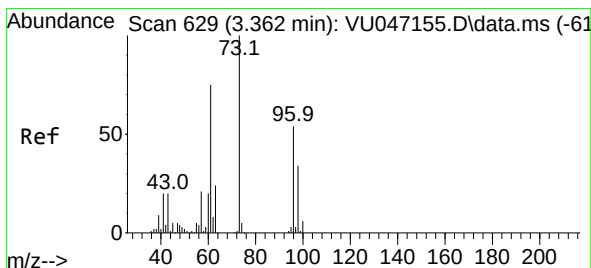
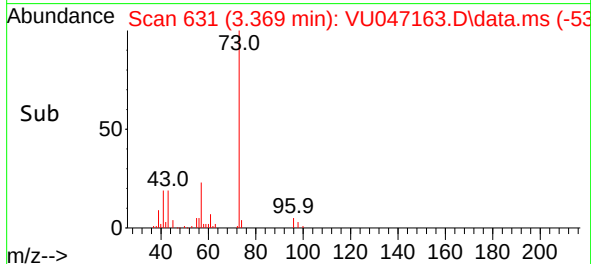
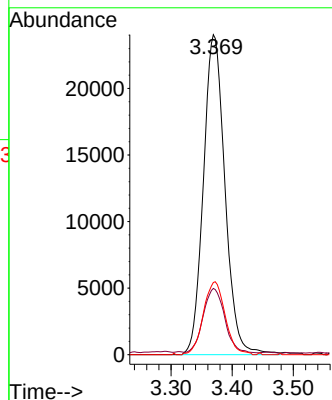
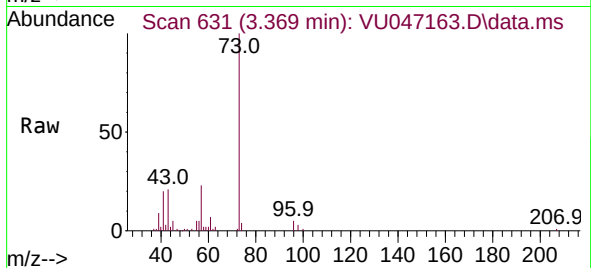
Tgt Ion: 73 Resp: 58990

Ion Ratio Lower Upper

73 100

43 19.9 14.8 22.2

57 23.0 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 0.250 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

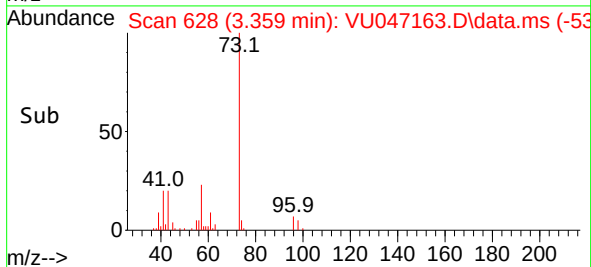
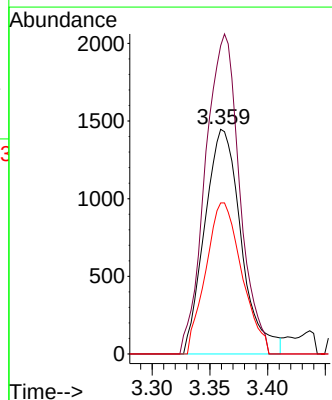
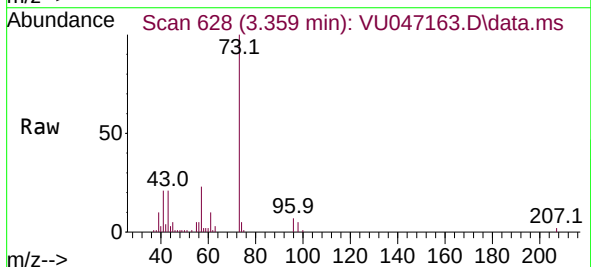
Tgt Ion: 96 Resp: 3177

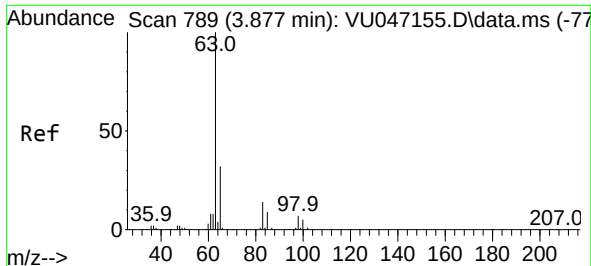
Ion Ratio Lower Upper

96 100

61 137.2 100.8 187.2

98 67.2 45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.982 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.000 min

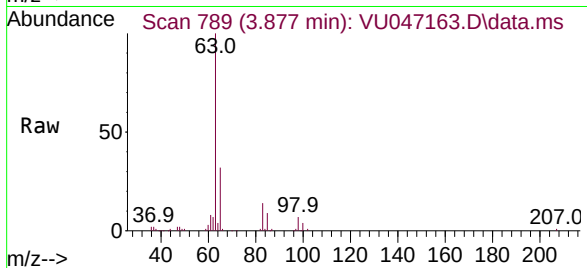
Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :



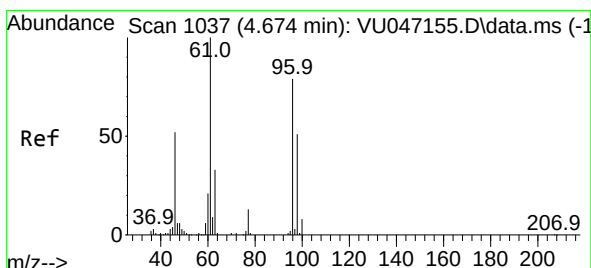
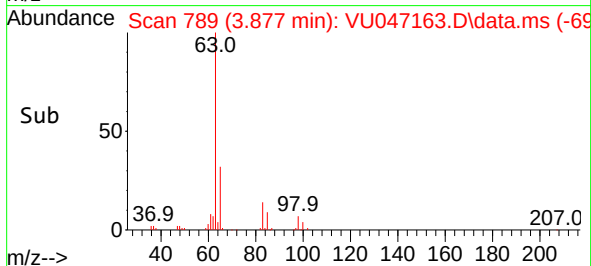
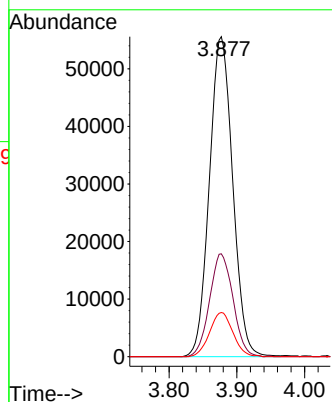
Tgt Ion: 63 Resp: 132916

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.5

83 13.8 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 56.400 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

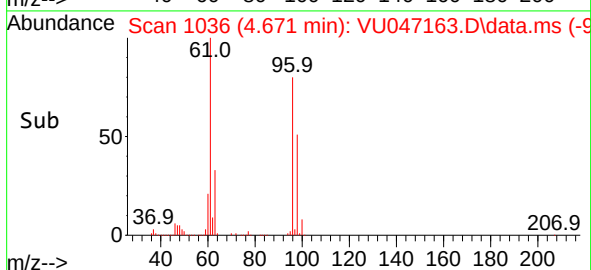
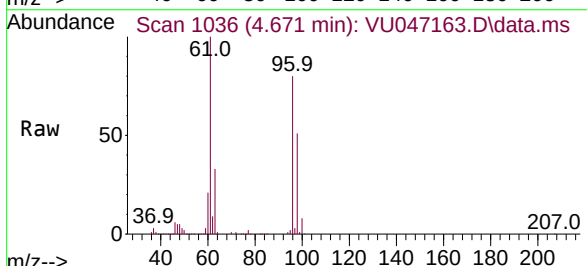
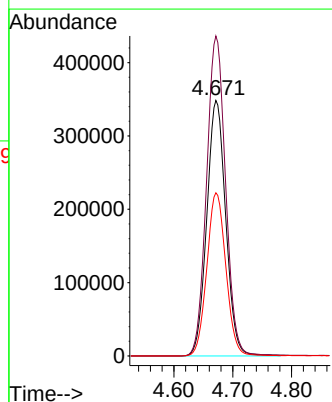
Tgt Ion: 96 Resp: 780260

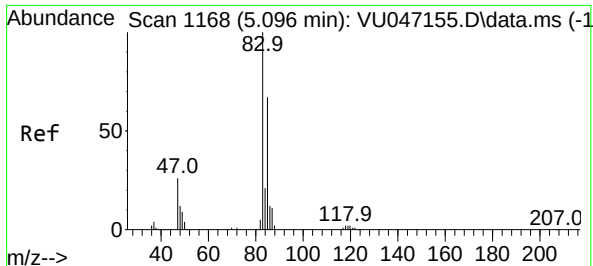
Ion Ratio Lower Upper

96 100

61 125.2 88.5 164.3

98 63.9 44.4 82.5





#25

Chloroform

Concen: 0.674 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Instrument :

MSVOA_U

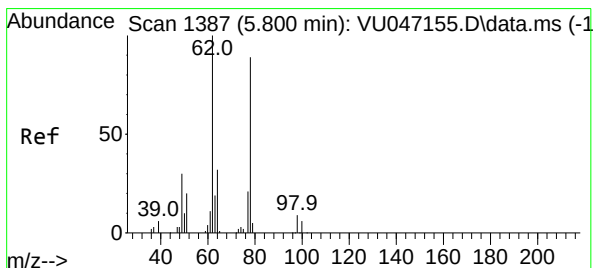
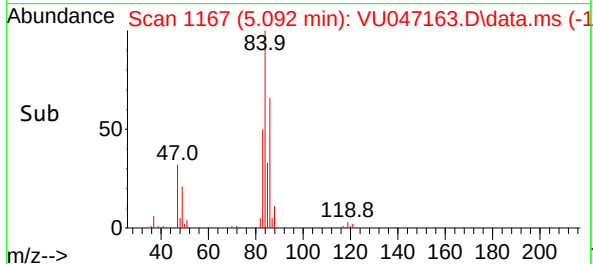
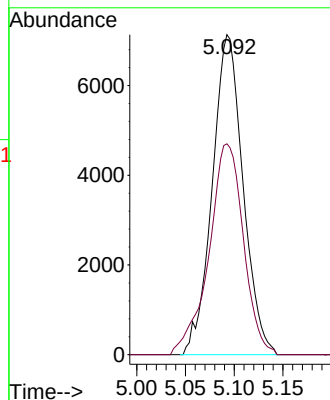
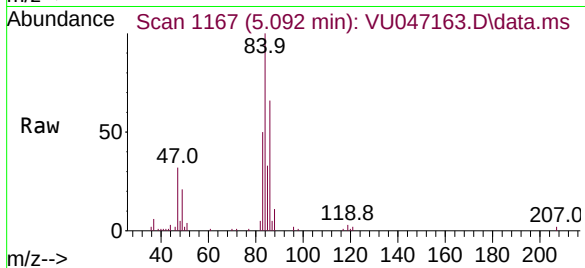
ClientSampleId :

Tgt Ion: 83 Resp: 15675

Ion Ratio Lower Upper

83 100

85 65.9 46.9 87.1



#27

1,2-Dichloroethane

Concen: 0.440 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU047163.D

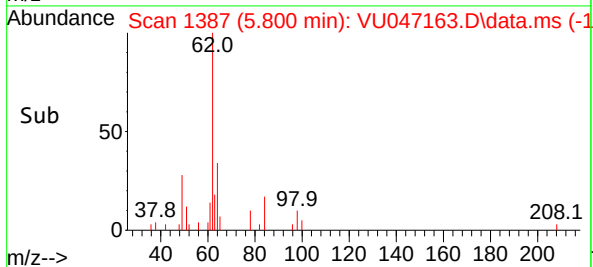
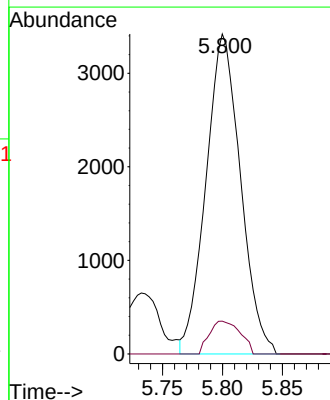
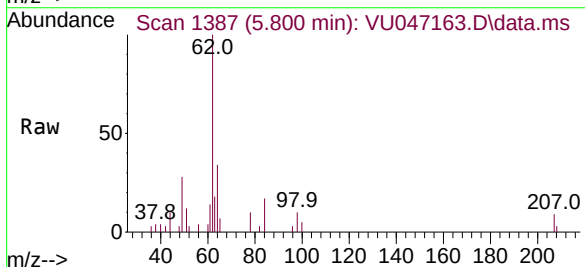
Acq: 16 Feb 2022 16:03

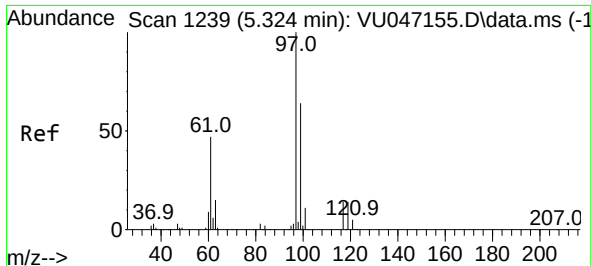
Tgt Ion: 62 Resp: 6838

Ion Ratio Lower Upper

62 100

98 10.2 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 11.670 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :

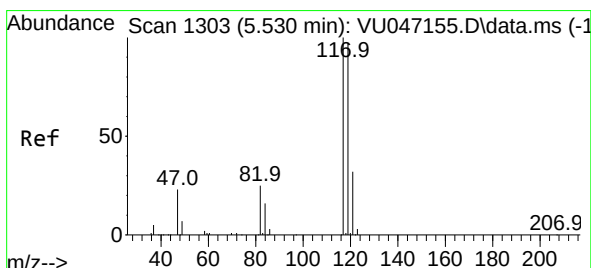
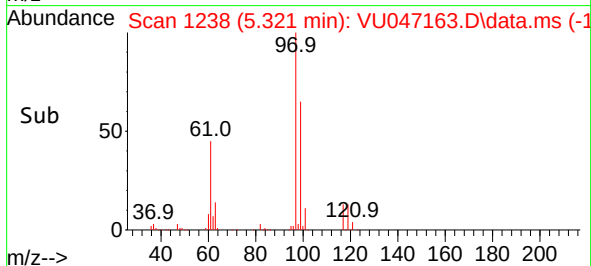
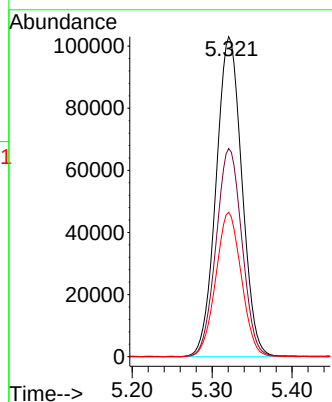
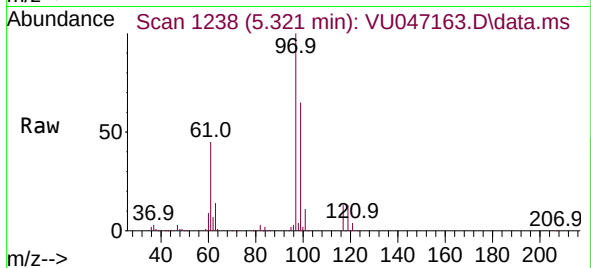
Tgt Ion: 97 Resp: 230661

Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

61 44.9 36.1 54.1



#31

Carbon tetrachloride

Concen: 1.784 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047163.D

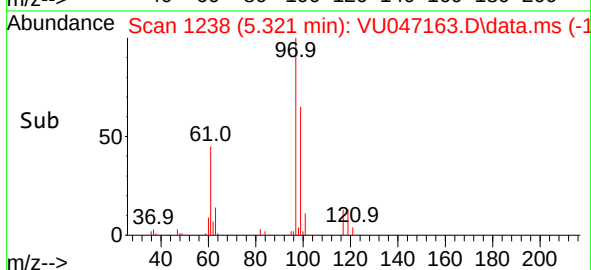
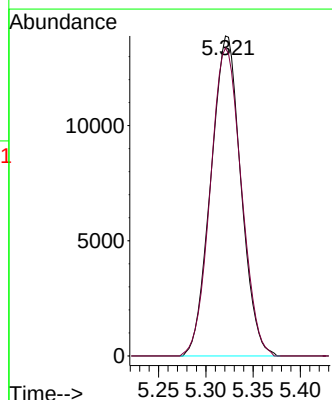
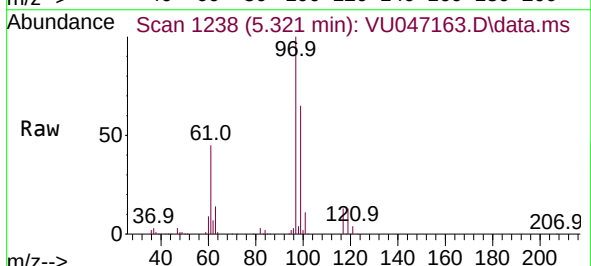
Acq: 16 Feb 2022 16:03

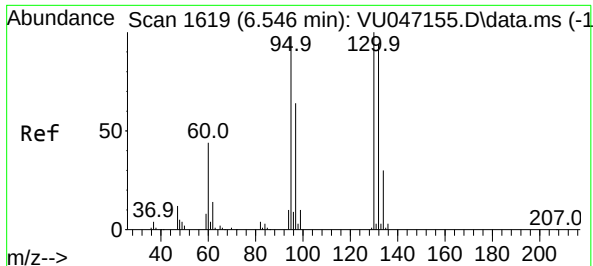
Tgt Ion: 117 Resp: 30701

Ion Ratio Lower Upper

117 100

119 99.1 77.5 116.3





#34

Trichloroethene

Concen: 27.064 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.000 min

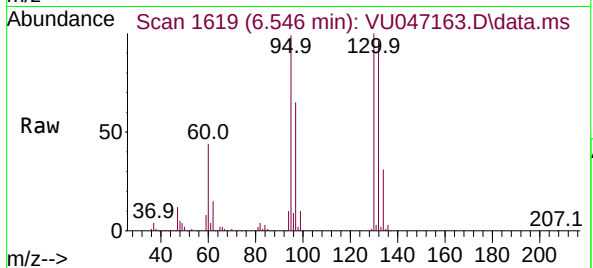
Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 374396

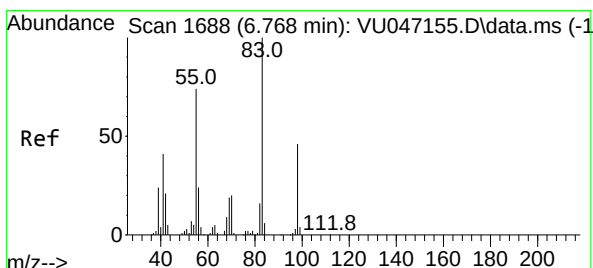
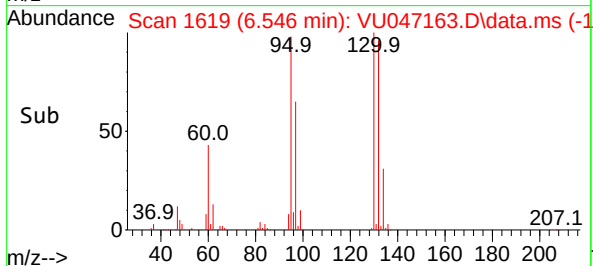
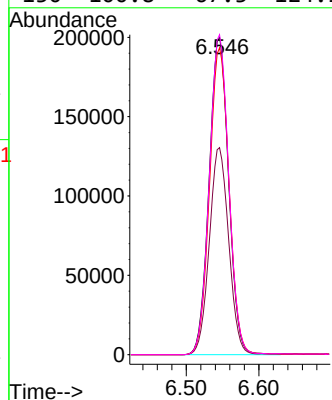
Ion Ratio Lower Upper

95 100

97 65.2 46.5 86.5

132 96.6 65.1 120.9

130 100.8 67.3 124.9



#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

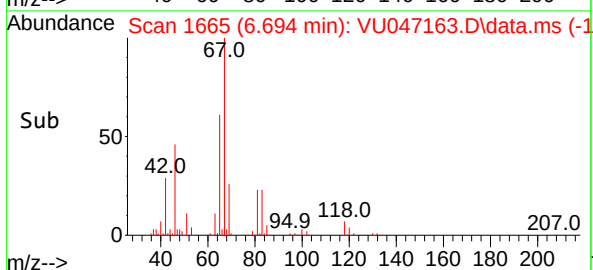
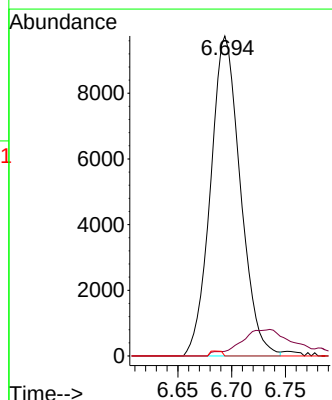
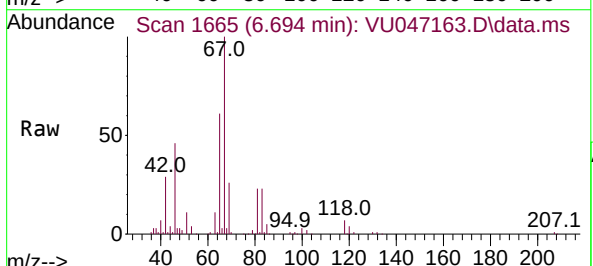
Tgt Ion: 83 Resp: 18789

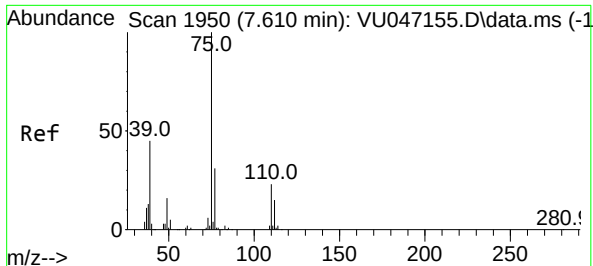
Ion Ratio Lower Upper

83 100

55 14.2 61.9 92.9#

98 0.0 39.0 58.6#





#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Instrument :

MSVOA_U

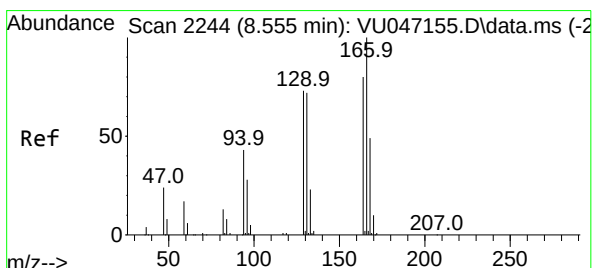
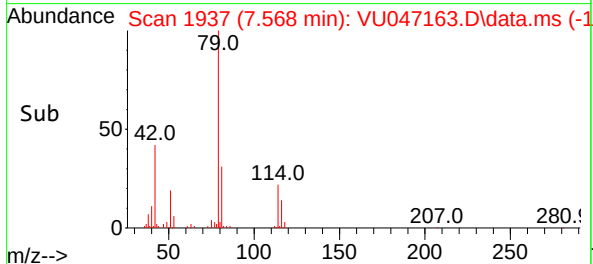
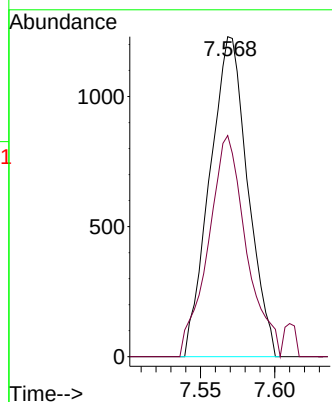
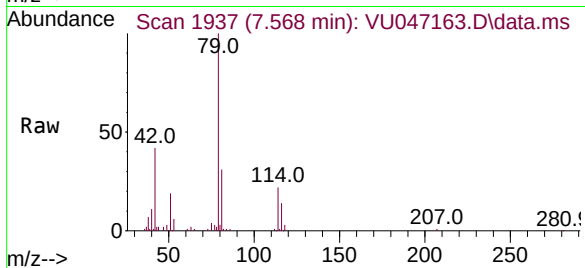
ClientSampleId :

Tgt Ion: 75 Resp: 2183

Ion Ratio Lower Upper

75 100

77 69.1 22.5 41.9#



#47

Tetrachloroethene

Concen: 104.123 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Tgt Ion: 164 Resp: 1168914

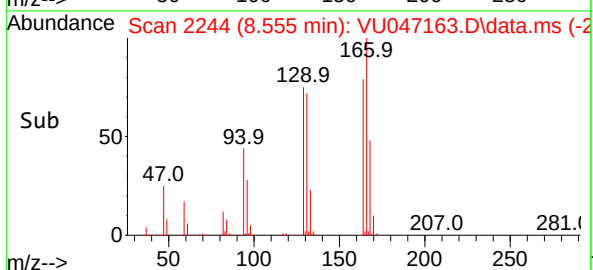
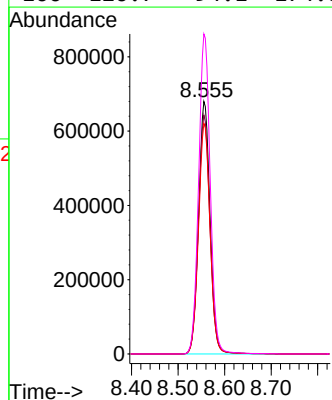
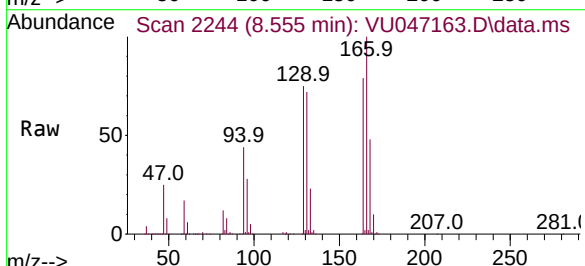
Ion Ratio Lower Upper

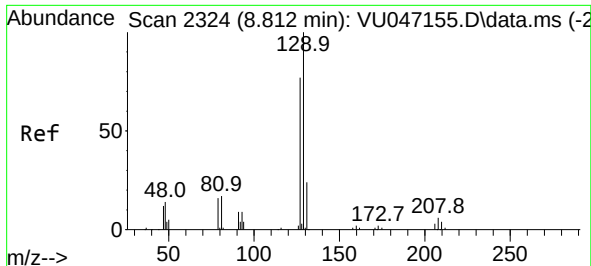
164 100

129 94.6 71.8 133.4

131 91.3 68.5 127.3

166 126.7 94.1 174.8





#49

Dibromochloromethane

Concen: 87.496 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Instrument :

MSVOA_U

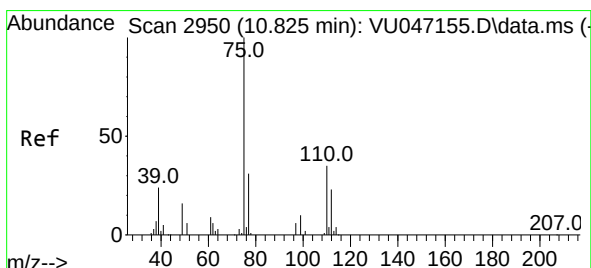
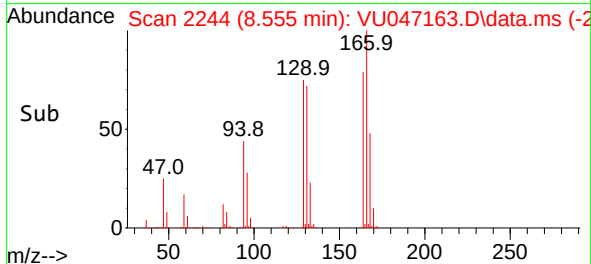
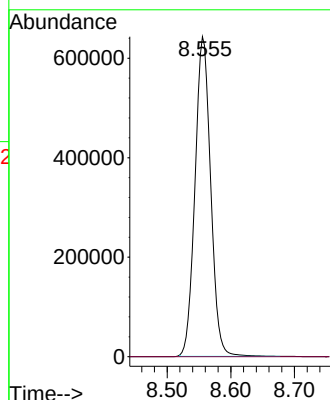
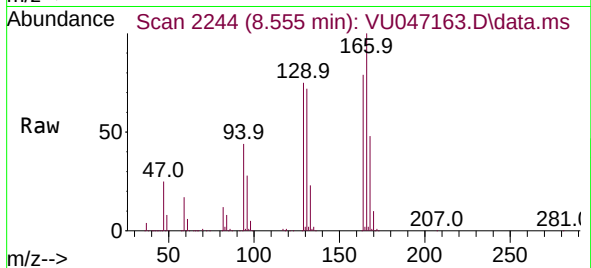
ClientSampleId :

Tgt Ion:129 Resp: 1097250

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.346 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

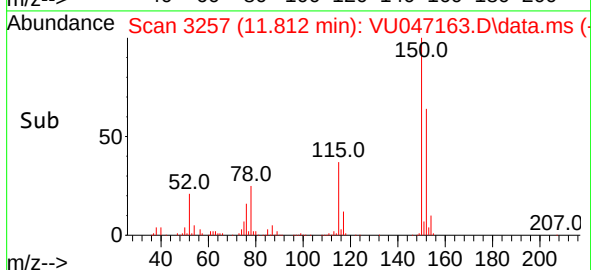
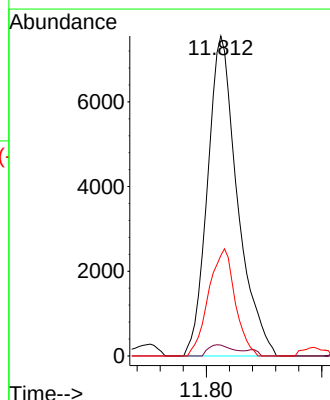
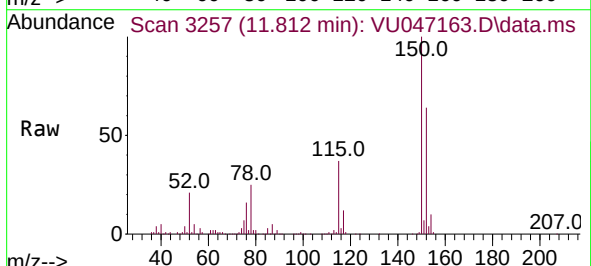
Tgt Ion: 75 Resp: 13583

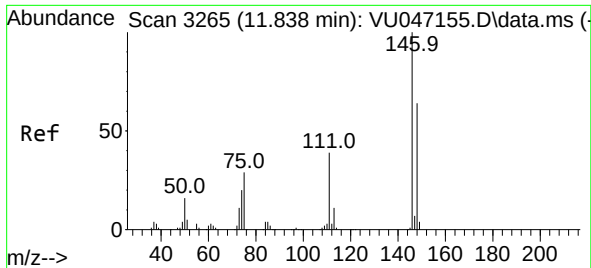
Ion Ratio Lower Upper

75 100

110 2.9 29.9 44.9#

77 29.7 25.5 38.3





#65

1,4-Dichlorobenzene

Concen: 0.195 ug/L

RT: 11.838 min Scan# 31

Delta R.T. 0.000 min

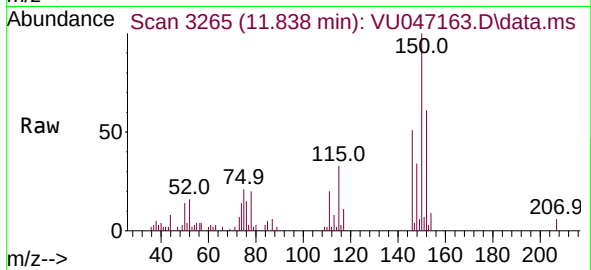
Lab File: VU047163.D

Acq: 16 Feb 2022 16:03

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 5905

Ion Ratio Lower Upper

146 100

111 40.1 28.7 53.3

148 67.6 45.8 85.0

