

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021822\
 Data File : VU047217.D
 Acq On : 17 Feb 2022 20:23
 Operator : SY/MD
 Sample : N1545-04DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY01DL

Quant Time: Feb 18 03:35:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 18 03:32:37 2022
 Response via : Initial Calibration

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

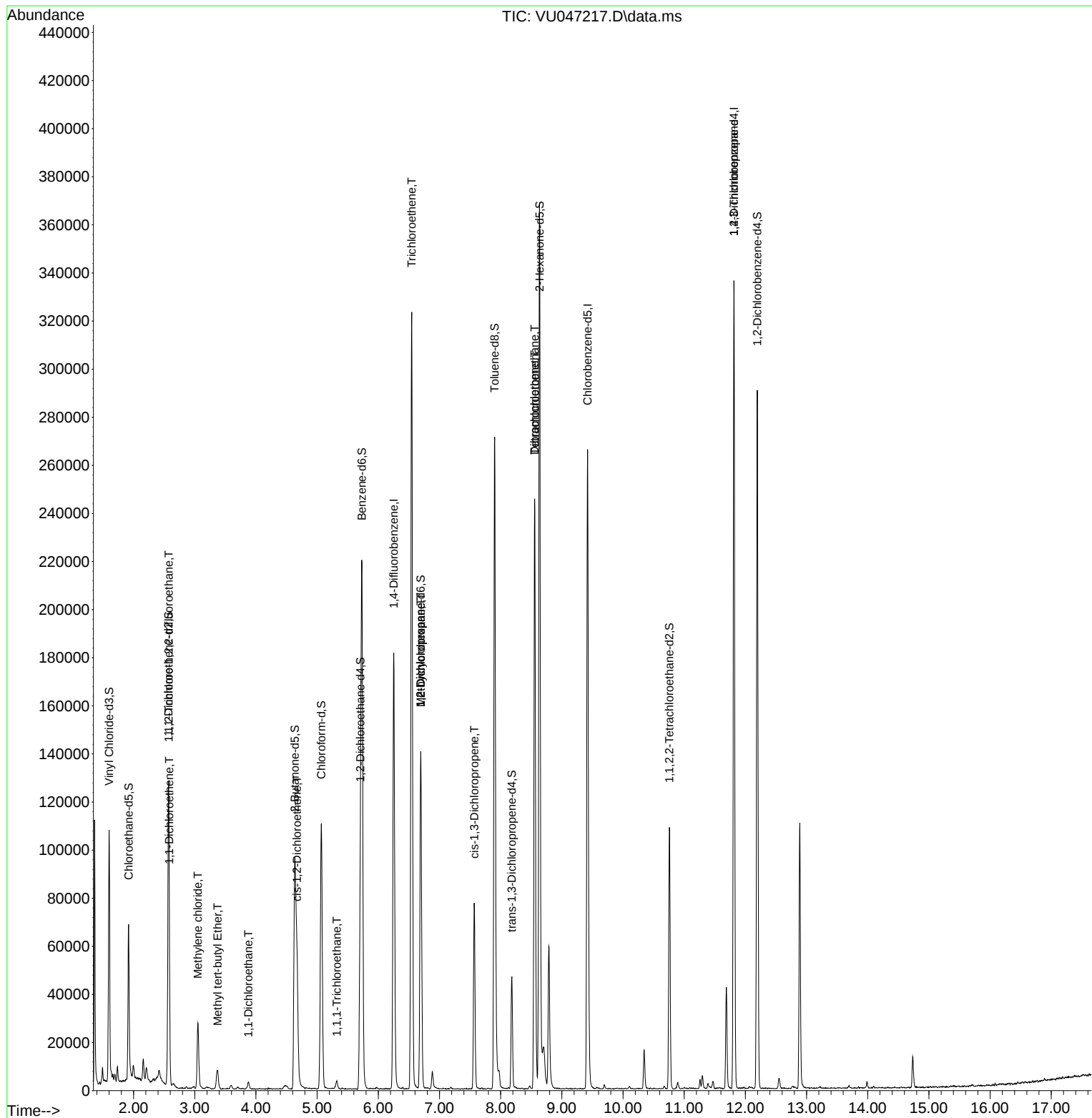
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	156711	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	161234	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	91344	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	55496	4.193	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.800%
7) Chloroethane-d5	1.919	69	49770	4.745	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.571	65	22539	4.117	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.400%
20) 2-Butanone-d5	4.636	46	154612	48.874	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.740%
24) Chloroform-d	5.070	84	102002	4.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.706	65	54391	4.449	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
32) Benzene-d6	5.732	84	210699	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.694	67	66631	4.648	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.902	98	199167	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.182	79	25775	3.967	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.636	63	133672	39.068	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.140%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	53737	4.124	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	78160	4.769	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	631	0.059	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	5177	0.502	ug/L #	1
16) Methylene chloride	3.051	84	13858	1.206	ug/L	91
17) Methyl tert-butyl Ether	3.372	73	8493	0.301	ug/L #	92
19) 1,1-Dichloroethane	3.877	63	3520	0.181	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	20688	1.706	ug/L	96
29) 1,1,1-Trichloroethane	5.321	97	2438	0.140	ug/L	95
34) Trichloroethene	6.546	95	108613	8.888	ug/L	95
35) Methylcyclohexane	6.694	83	15314	0.743	ug/L #	19
37) 1,2-Dichloropropane	6.694	63	7086	0.598	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1830	0.099	ug/L #	60
47) Tetrachloroethene	8.555	164	57569	5.805	ug/L	92
49) Dibromochloromethane	8.555	129	54374	4.908	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	10076	1.155	ug/L #	66

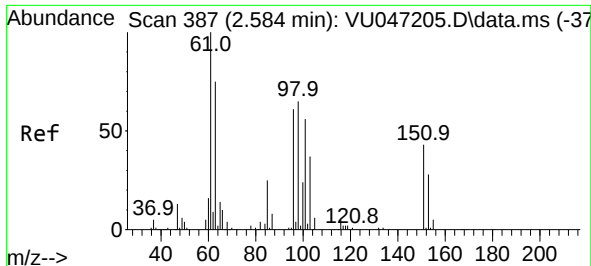
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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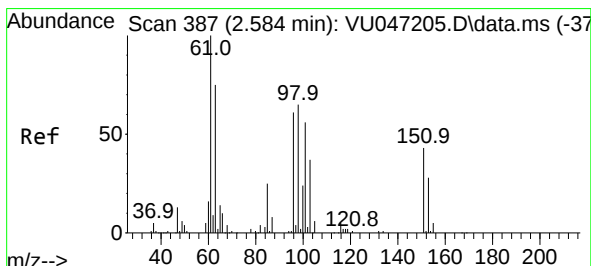
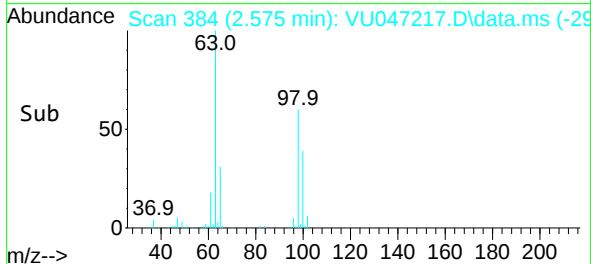
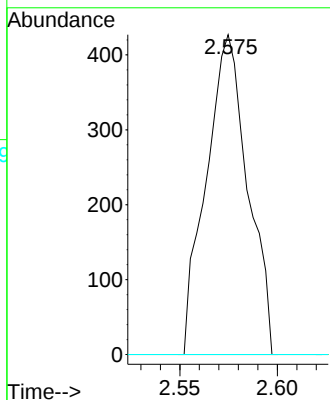
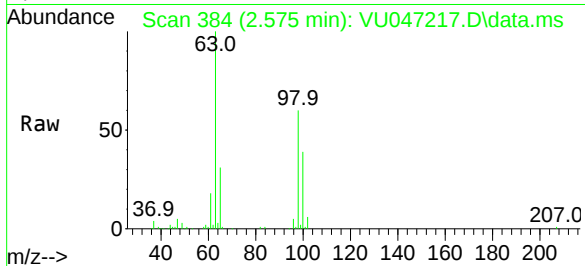




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.059 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU047217.D
 Acq: 17 Feb 2022 20:23

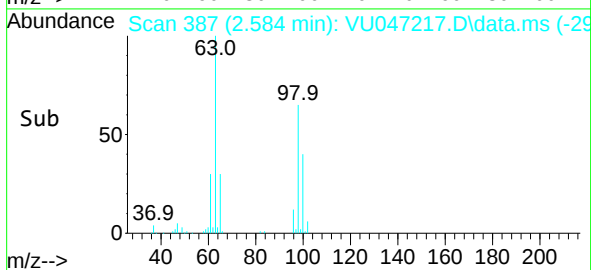
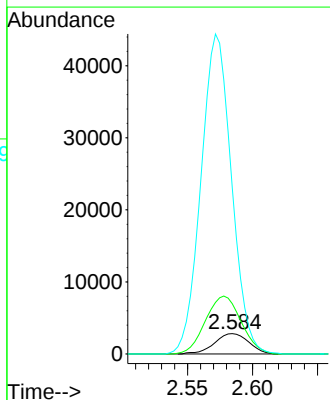
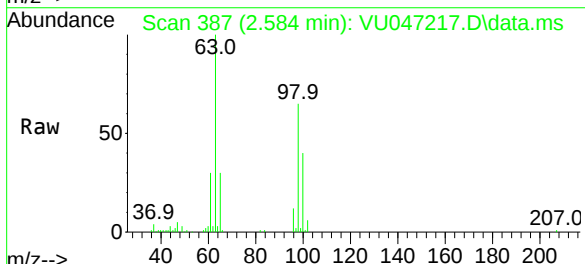
Instrument :
 MSVOA_U
 ClientSampleId :
 BFY01DL

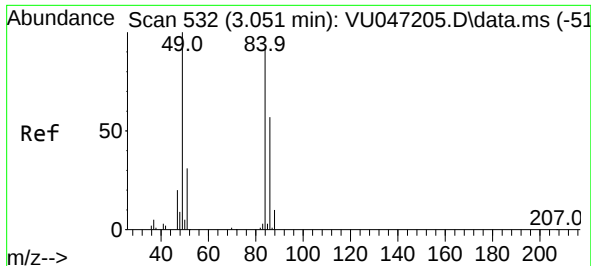
Tgt Ion:101 Resp: 631
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#



#12
 1,1-Dichloroethene
 Concen: 0.502 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU047217.D
 Acq: 17 Feb 2022 20:23

Tgt Ion: 96 Resp: 5177
 Ion Ratio Lower Upper
 96 100
 61 246.6 124.7 231.5#
 63 814.7 105.2 195.4#

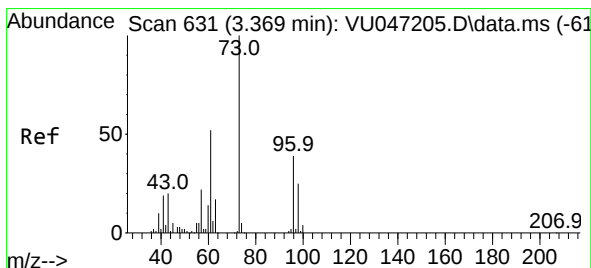
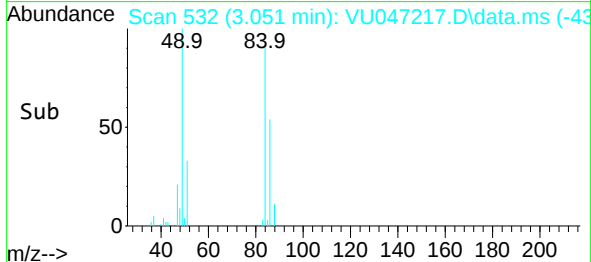
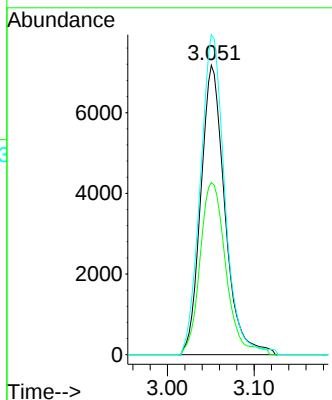
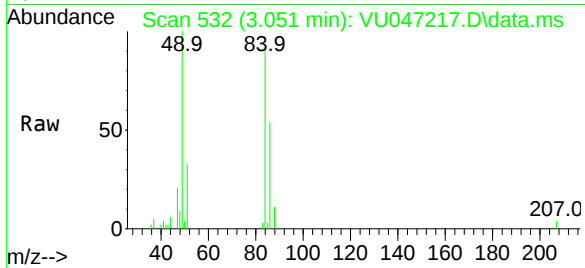




#16
Methylene chloride
Concen: 1.206 ug/L
RT: 3.051 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU047217.D
Acq: 17 Feb 2022 20:23

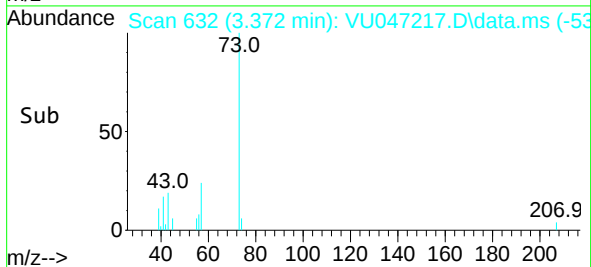
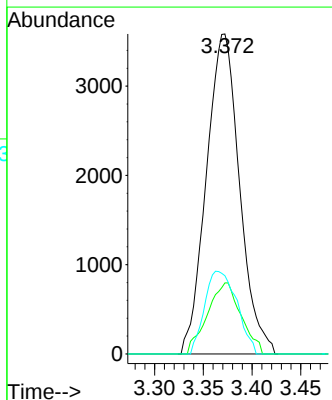
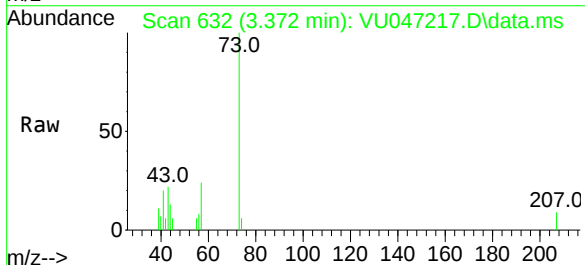
Instrument :
MSVOA_U
ClientSampleId :
BFY01DL

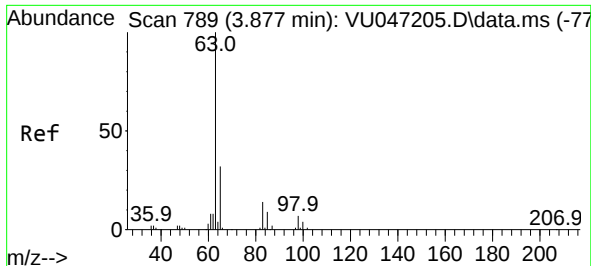
Tgt Ion: 84 Resp: 13858
Ion Ratio Lower Upper
84 100
86 59.5 45.8 85.0
49 110.6 84.5 156.9



#17
Methyl tert-butyl Ether
Concen: 0.301 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.003 min
Lab File: VU047217.D
Acq: 17 Feb 2022 20:23

Tgt Ion: 73 Resp: 8493
Ion Ratio Lower Upper
73 100
43 22.5 14.8 22.2#
57 25.1 17.4 26.0





#19

1,1-Dichloroethane

Concen: 0.181 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU047217.D

Acq: 17 Feb 2022 20:23

Instrument :

MSVOA_U

ClientSampleId :

BFY01DL

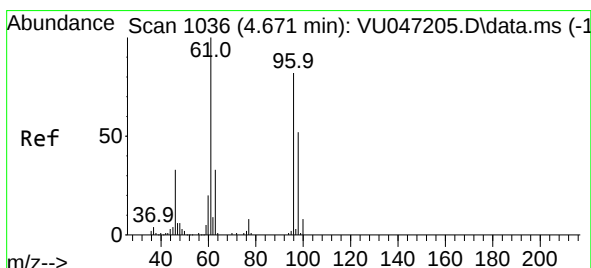
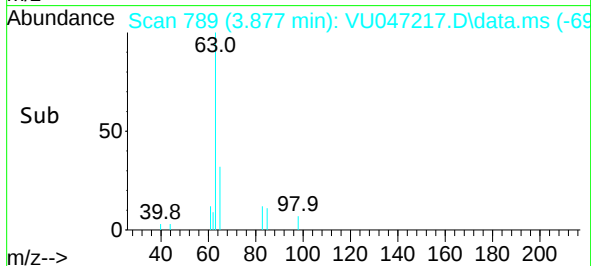
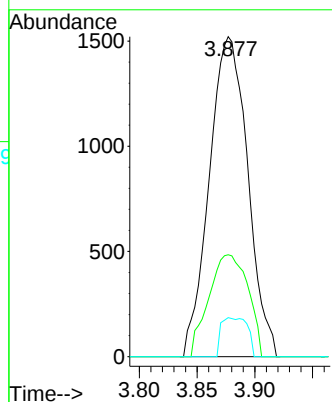
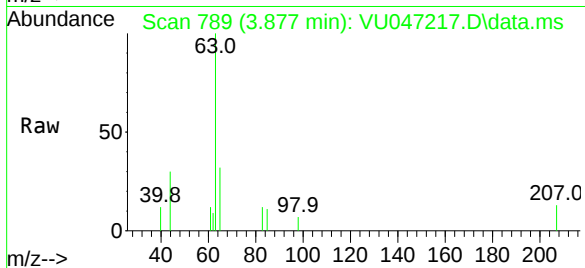
Tgt Ion: 63 Resp: 3520

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 12.2 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 1.706 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047217.D

Acq: 17 Feb 2022 20:23

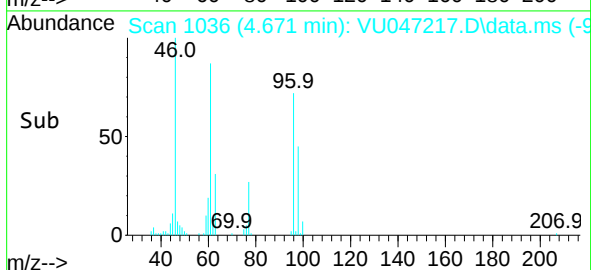
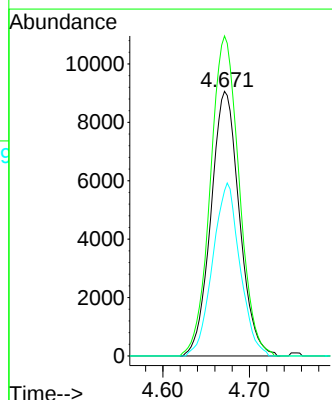
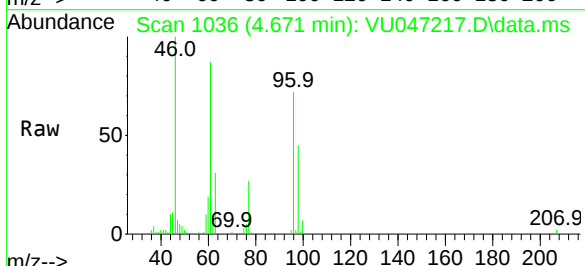
Tgt Ion: 96 Resp: 20688

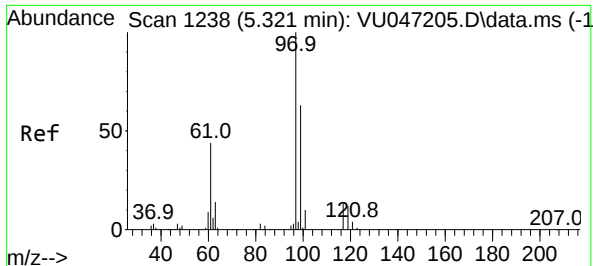
Ion Ratio Lower Upper

96 100

61 120.9 88.5 164.3

98 62.4 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 0.140 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047217.D

Acq: 17 Feb 2022 20:23

Instrument :

MSVOA_U

ClientSampleId :

BFY01DL

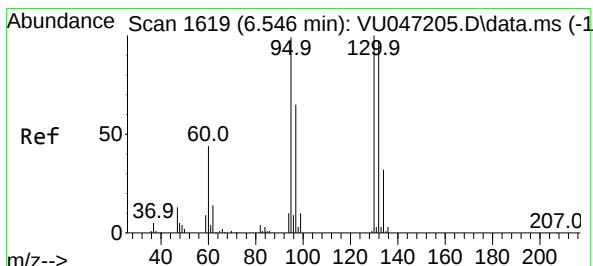
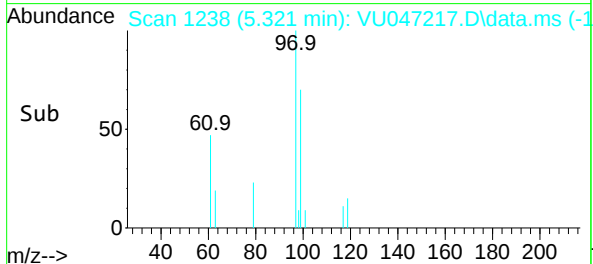
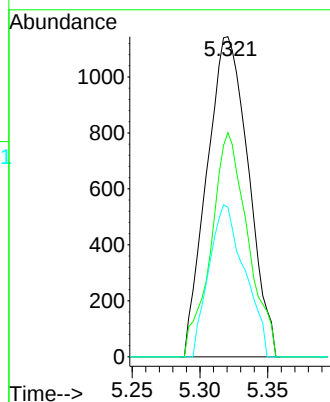
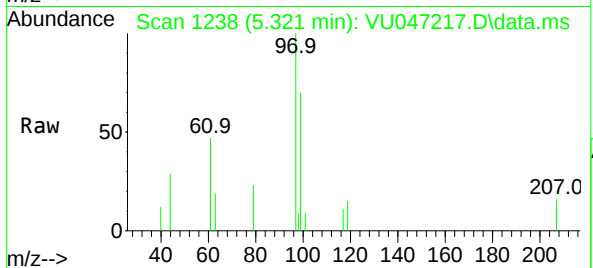
Tgt Ion: 97 Resp: 2438

Ion Ratio Lower Upper

97 100

99 61.8 51.3 76.9

61 40.6 36.1 54.1



#34

Trichloroethene

Concen: 8.888 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU047217.D

Acq: 17 Feb 2022 20:23

Tgt Ion: 95 Resp: 108613

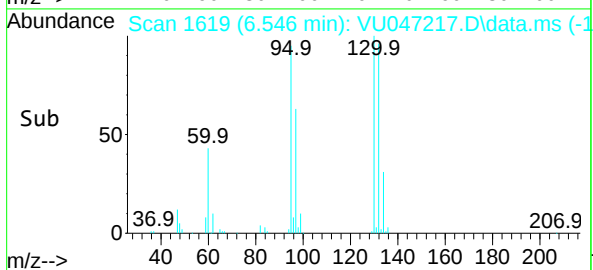
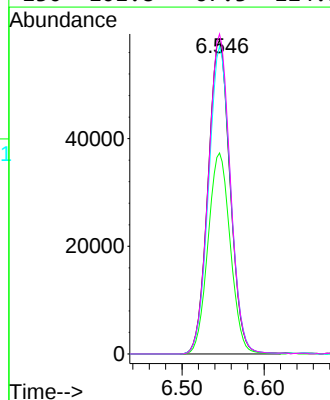
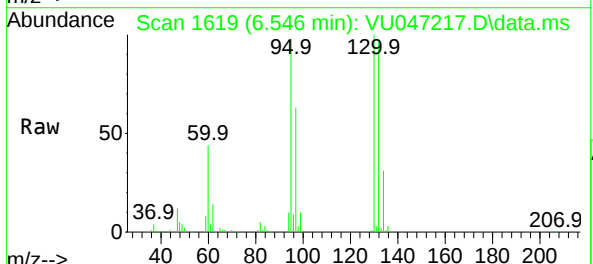
Ion Ratio Lower Upper

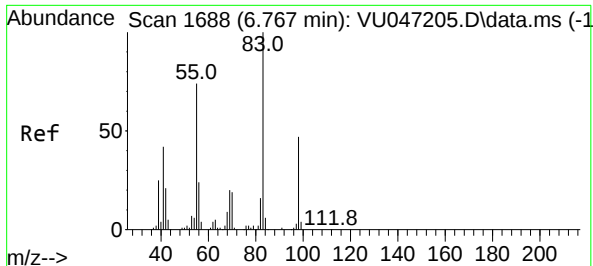
95 100

97 64.0 46.5 86.5

132 97.9 65.1 120.9

130 101.8 67.3 124.9

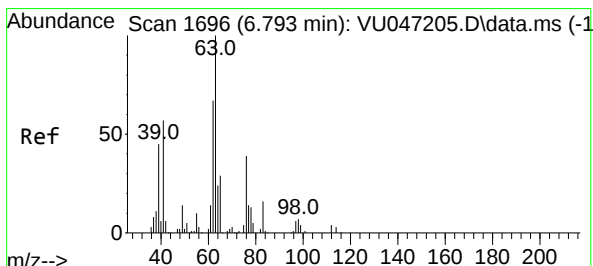
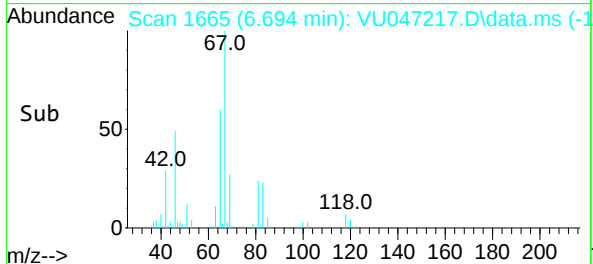
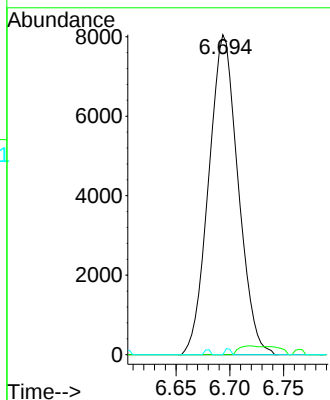
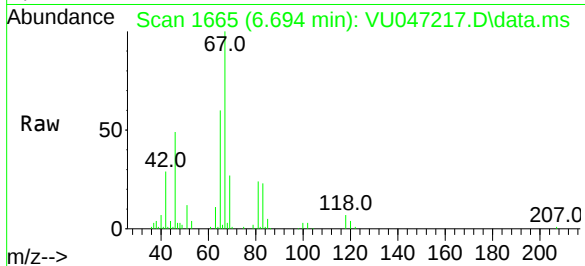




#35
Methylcyclohexane
Concen: 0.743 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047217.D
Acq: 17 Feb 2022 20:23

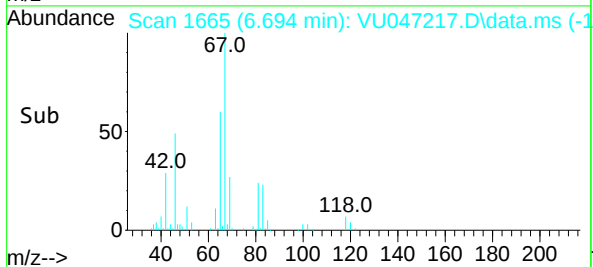
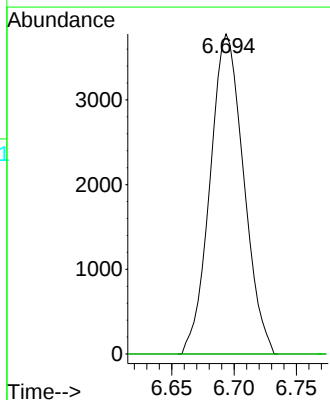
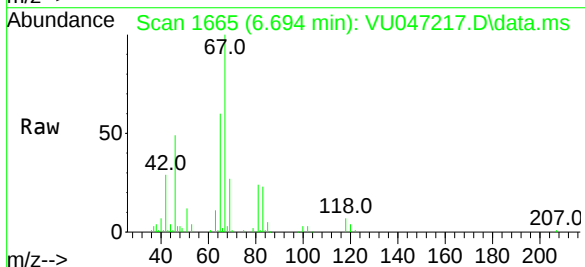
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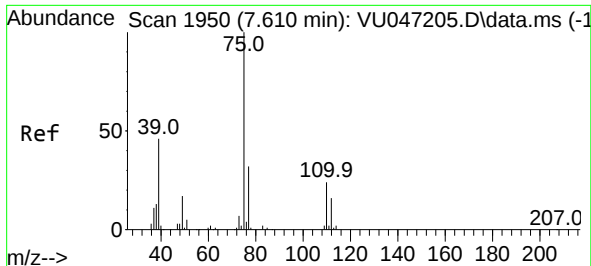
Tgt Ion: 83 Resp: 15314
Ion Ratio Lower Upper
83 100
55 2.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047217.D
Acq: 17 Feb 2022 20:23

Tgt Ion: 63 Resp: 7086
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU047217.D

Acq: 17 Feb 2022 20:23

Instrument :

MSVOA_U

ClientSampleId :

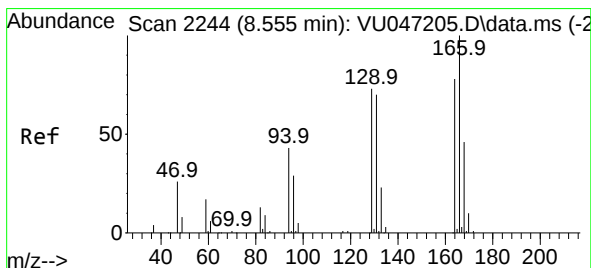
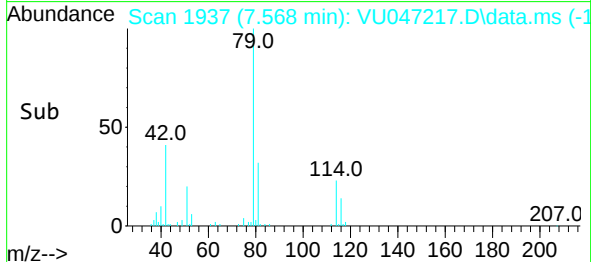
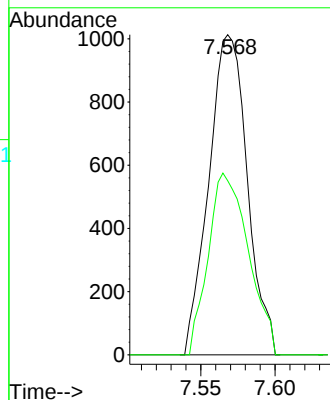
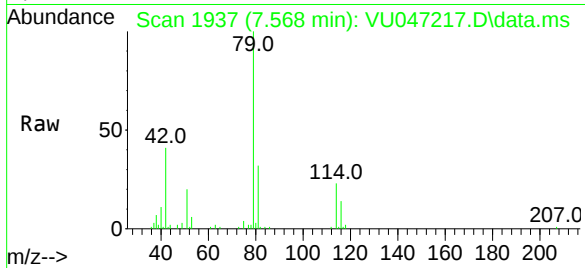
BFY01DL

Tgt Ion: 75 Resp: 1830

Ion Ratio Lower Upper

75 100

77 54.4 22.5 41.9#



#47

Tetrachloroethene

Concen: 5.805 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU047217.D

Acq: 17 Feb 2022 20:23

Tgt Ion:164 Resp: 57569

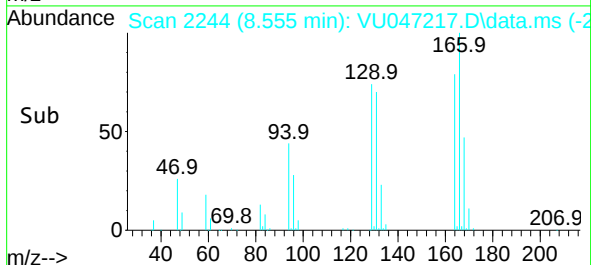
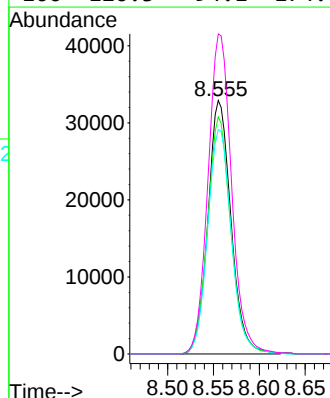
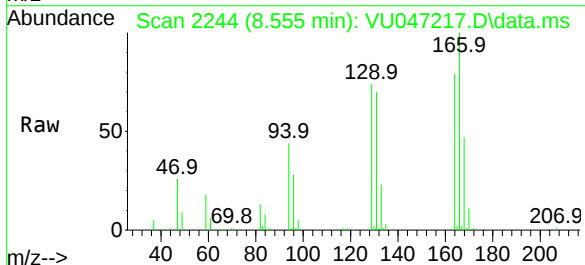
Ion Ratio Lower Upper

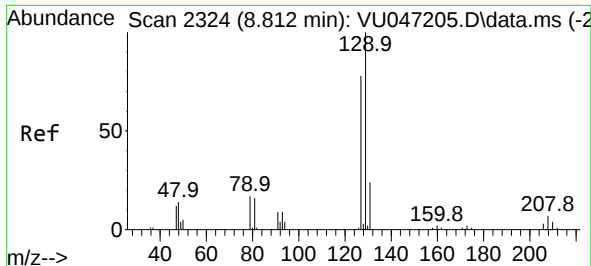
164 100

129 93.6 71.8 133.4

131 88.6 68.5 127.3

166 126.3 94.1 174.8





#49

Dibromochloromethane

Concen: 4.908 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047217.D

Acq: 17 Feb 2022 20:23

Instrument :

MSVOA_U

ClientSampleId :

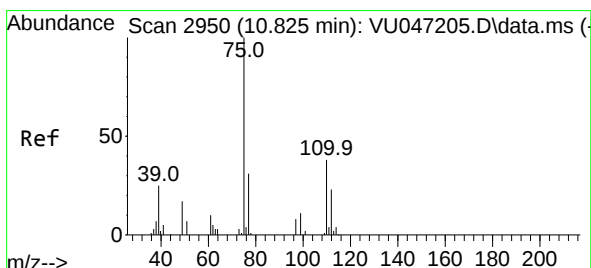
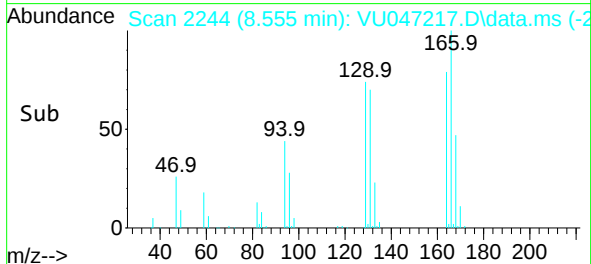
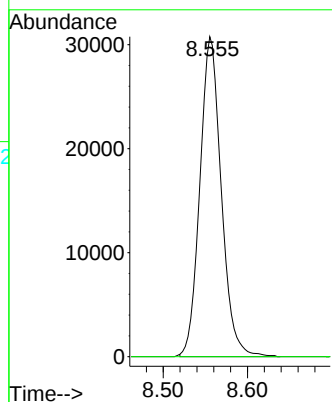
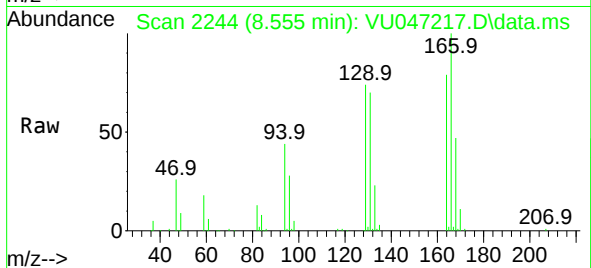
BFY01DL

Tgt Ion:129 Resp: 54374

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.155 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU047217.D

Acq: 17 Feb 2022 20:23

Tgt Ion: 75 Resp: 10076

Ion Ratio Lower Upper

75 100

110 1.9 29.9 44.9#

77 33.9 25.5 38.3

