

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021822\
 Data File : VU047216.D
 Acq On : 17 Feb 2022 19:58
 Operator : SY/MD
 Sample : N1545-05DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY02DL

Quant Time: Feb 18 03:35:35 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	154973	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	158303	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89899	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	56958	4.352	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.919	69	51766	4.990	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.800%
11) 1,1-Dichloroethene-d2	2.572	65	23067	4.261	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.200%
20) 2-Butanone-d5	4.636	46	163772	52.350	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.700%
24) Chloroform-d	5.067	84	104762	4.819	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.707	65	56623	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.732	84	213402	4.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.694	67	68934	4.898	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.899	98	204393	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.182	79	26825	4.205	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.636	63	140328	41.772	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.540%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	55200	4.315	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	79230	4.912	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%

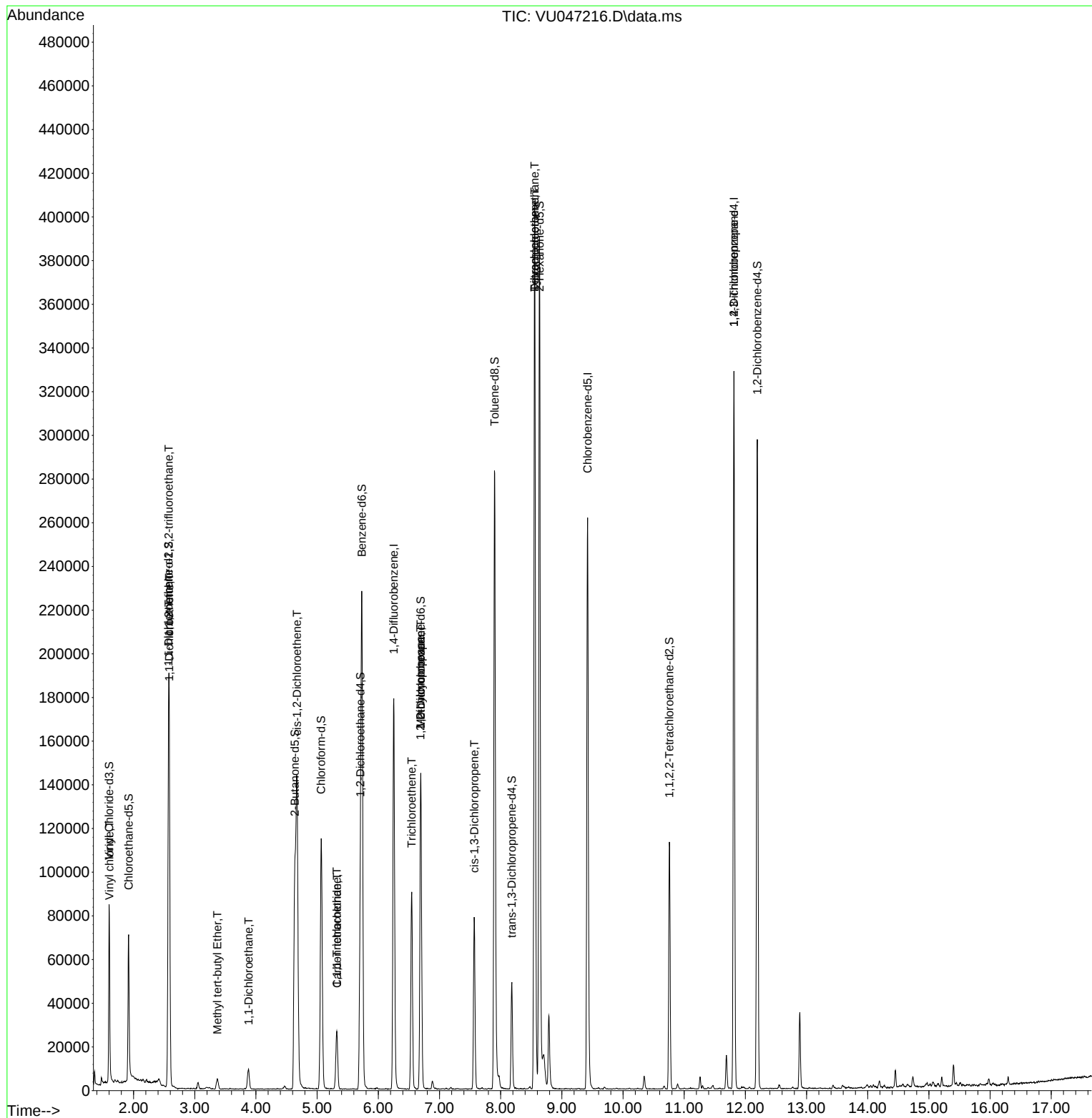
Target Compounds				Qvalue		
5) Vinyl chloride	1.607	62	2303	0.160	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	689	0.065	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	37041	3.632	ug/L	94
17) Methyl tert-butyl Ether	3.369	73	4849	0.174	ug/L #	92
19) 1,1-Dichloroethane	3.880	63	10989	0.570	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	65060	5.424	ug/L	95
29) 1,1,1-Trichloroethane	5.321	97	19071	1.113	ug/L	99
31) Carbon tetrachloride	5.324	117	2434	0.163	ug/L	96
34) Trichloroethene	6.546	95	30389	2.533	ug/L	97
35) Methylcyclohexane	6.694	83	15630	0.772	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	7185	0.618	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1864	0.103	ug/L #	61
47) Tetrachloroethene	8.555	164	95001	9.757	ug/L	92
49) Dibromochloromethane	8.555	129	87445	8.040	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	10265	1.196	ug/L #	68

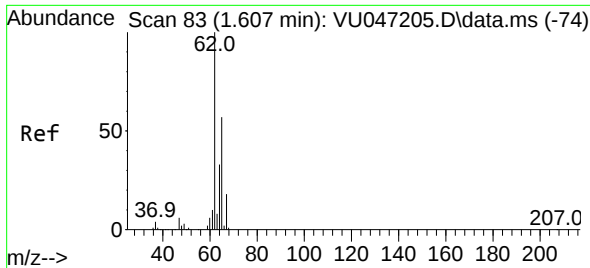
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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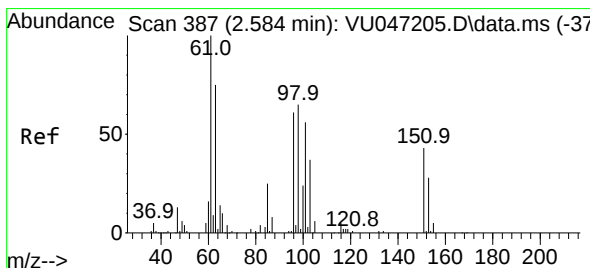
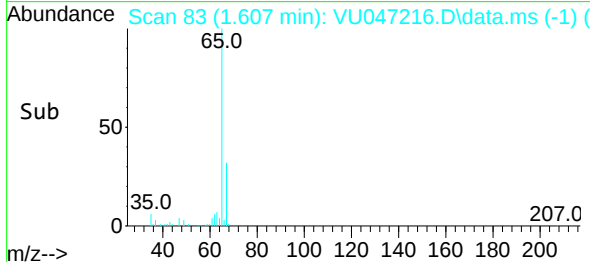
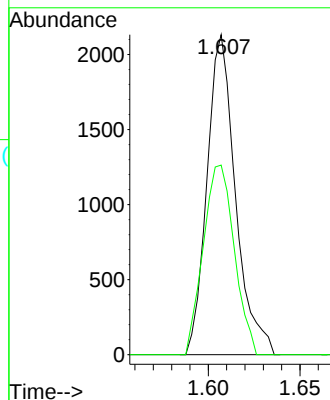
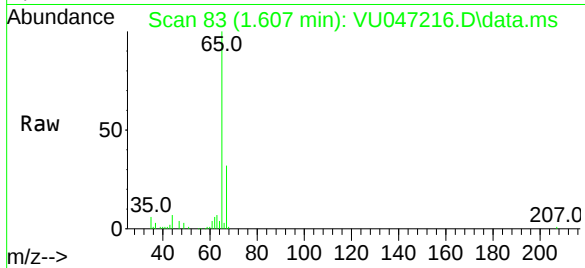




#5
 Vinyl chloride
 Concen: 0.160 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047216.D
 Acq: 17 Feb 2022 19:58

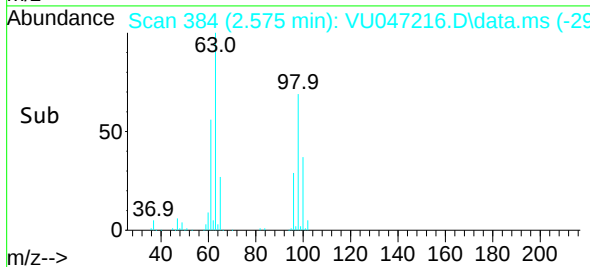
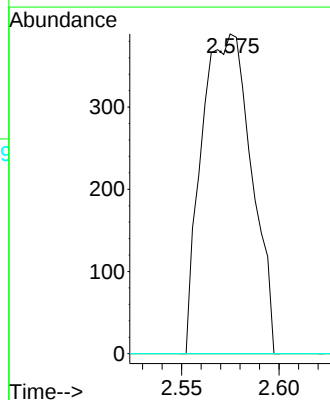
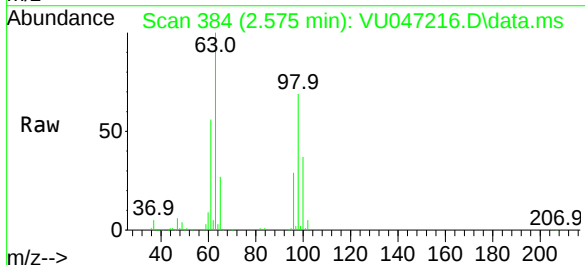
Instrument :
 MSVOA_U
 ClientSampleId :
 BFY02DL

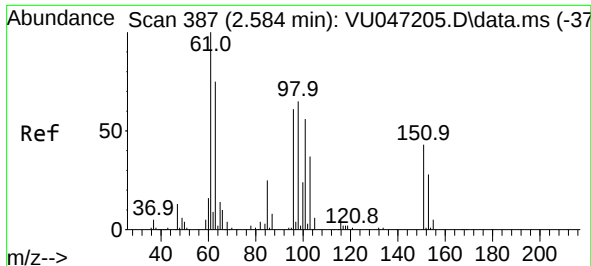
Tgt Ion: 62 Resp: 2303
 Ion Ratio Lower Upper
 62 100
 64 59.2 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.065 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.009 min
 Lab File: VU047216.D
 Acq: 17 Feb 2022 19:58

Tgt Ion: 101 Resp: 689
 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: 3.632 ug/L

RT: 2.584 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU047216.D

Acq: 17 Feb 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

BFY02DL

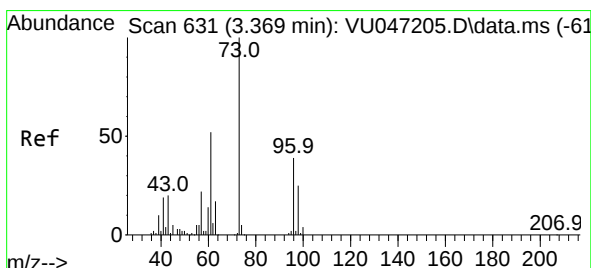
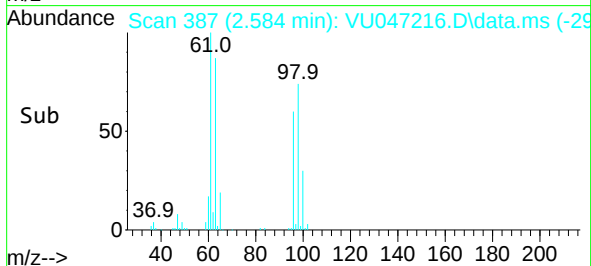
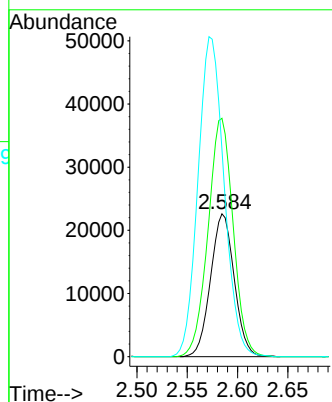
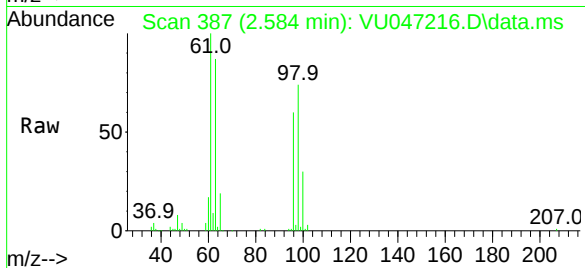
Tgt Ion: 96 Resp: 37041

Ion Ratio Lower Upper

96 100

61 166.9 124.7 231.5

63 145.0 105.2 195.4



#17

Methyl tert-butyl Ether

Concen: 0.174 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.000 min

Lab File: VU047216.D

Acq: 17 Feb 2022 19:58

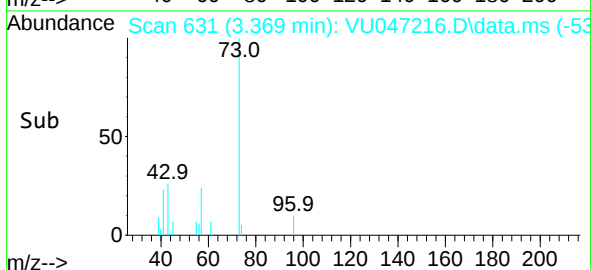
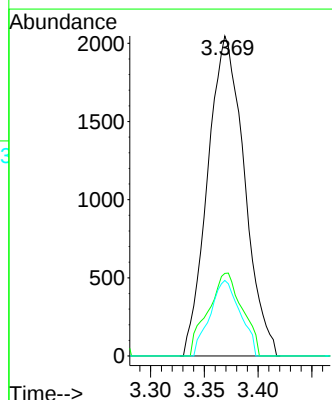
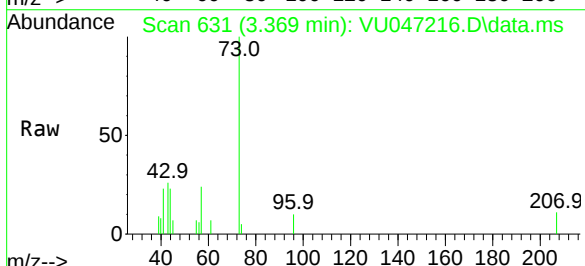
Tgt Ion: 73 Resp: 4849

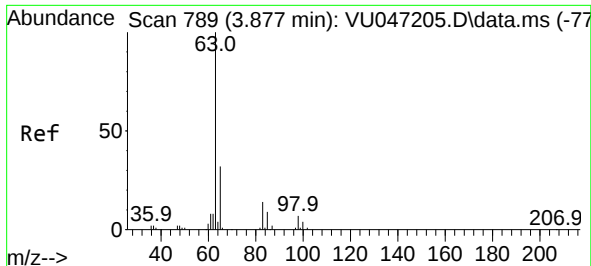
Ion Ratio Lower Upper

73 100

43 24.3 14.8 22.2#

57 19.5 17.4 26.0





#19

1,1-Dichloroethane

Concen: 0.570 ug/L

RT: 3.880 min Scan# 79

Delta R.T. 0.003 min

Lab File: VU047216.D

Acq: 17 Feb 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

BFY02DL

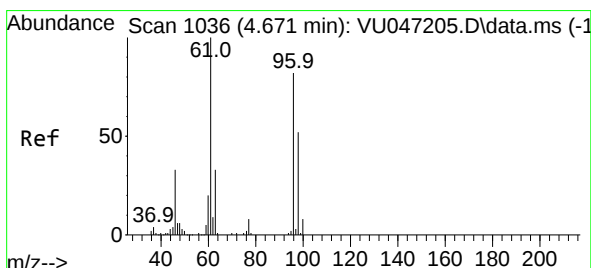
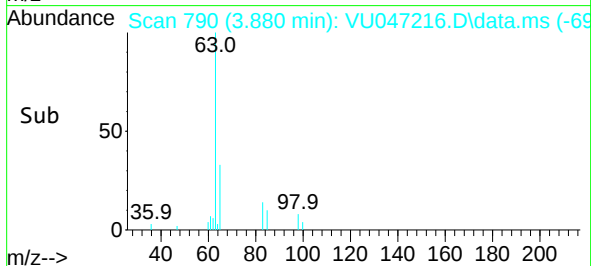
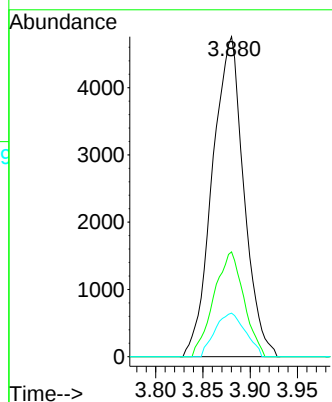
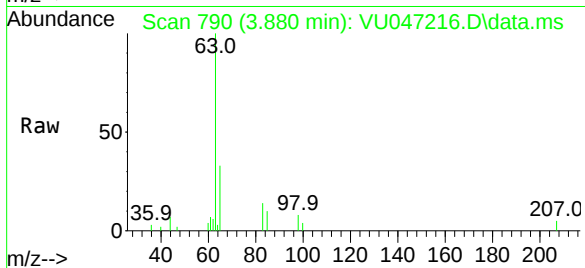
Tgt Ion: 63 Resp: 10989

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.5

83 13.6 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 5.424 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047216.D

Acq: 17 Feb 2022 19:58

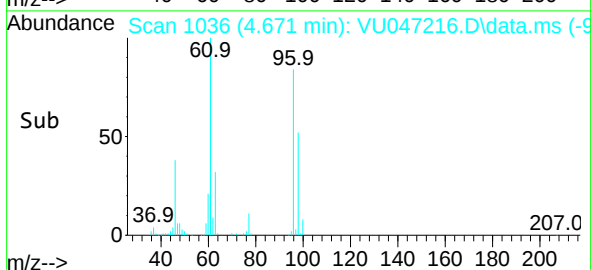
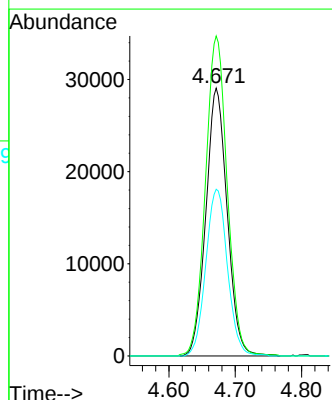
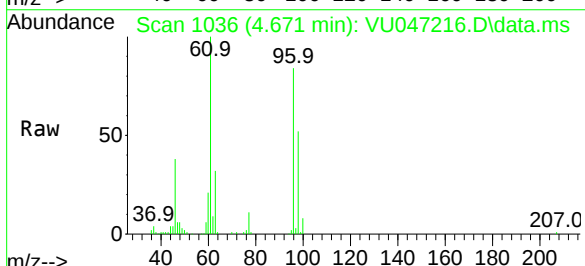
Tgt Ion: 96 Resp: 65060

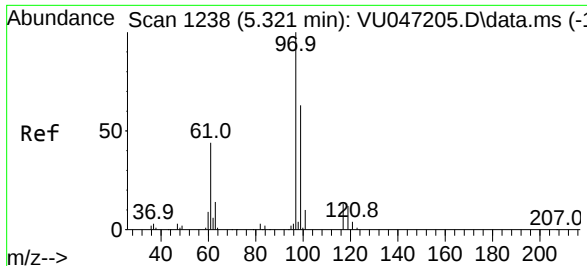
Ion Ratio Lower Upper

96 100

61 119.5 88.5 164.3

98 62.2 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 1.113 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU047216.D

Acq: 17 Feb 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

BFY02DL

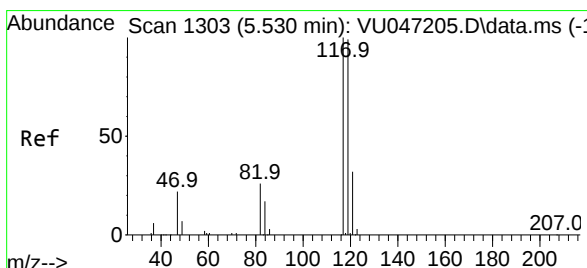
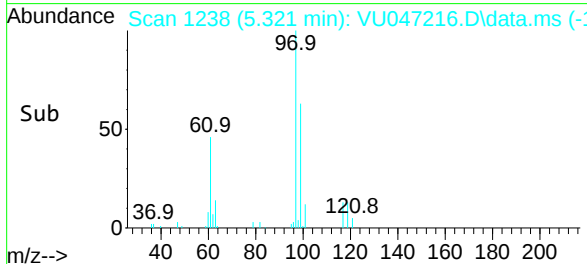
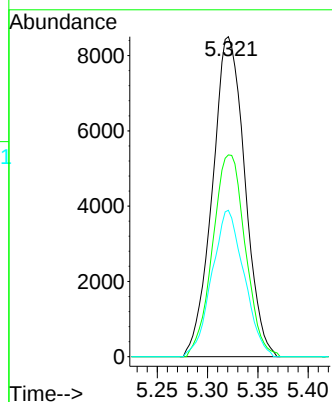
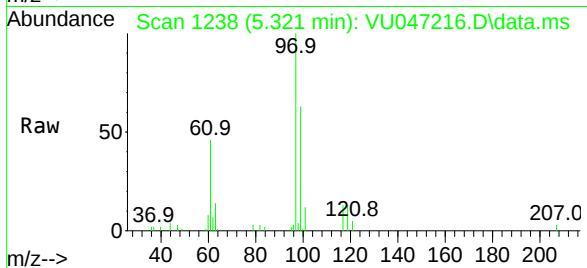
Tgt Ion: 97 Resp: 19071

Ion Ratio Lower Upper

97 100

99 63.5 51.3 76.9

61 45.6 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.163 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.206 min

Lab File: VU047216.D

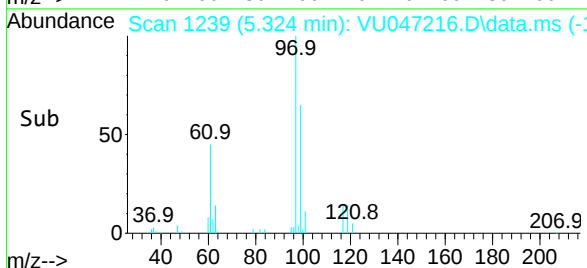
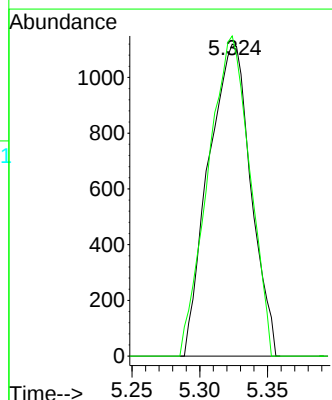
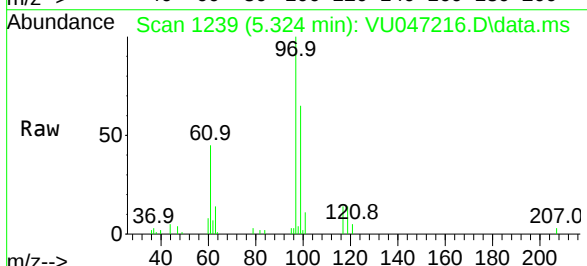
Acq: 17 Feb 2022 19:58

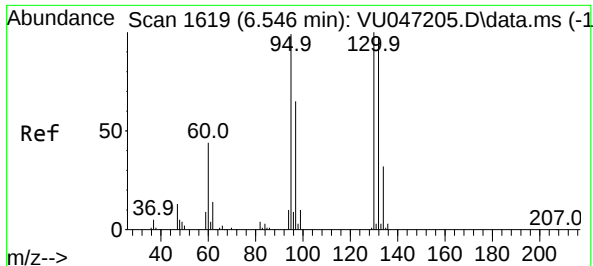
Tgt Ion: 117 Resp: 2434

Ion Ratio Lower Upper

117 100

119 100.7 77.5 116.3



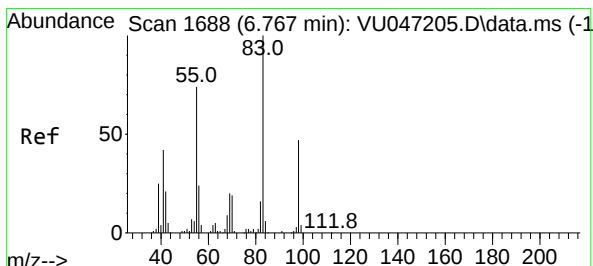
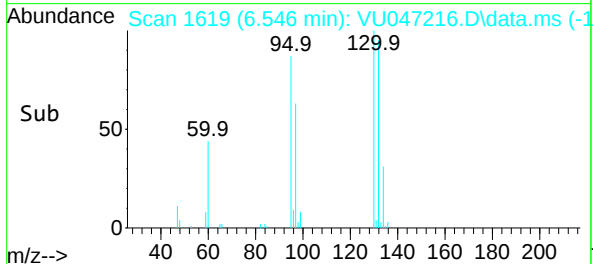
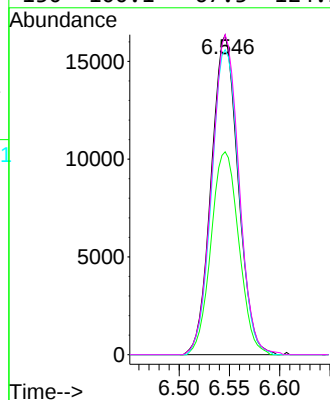
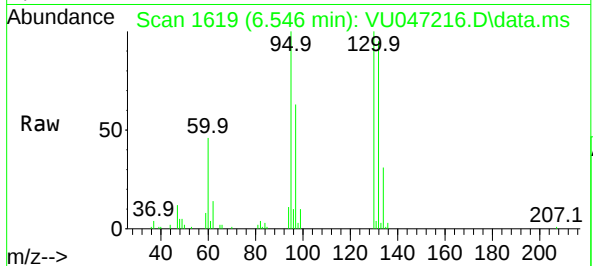


#34
Trichloroethene
Concen: 2.533 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047216.D
Acq: 17 Feb 2022 19:58

Instrument :
MSVOA_U
ClientSampleId :
BFY02DL

Tgt Ion: 95 Resp: 30389

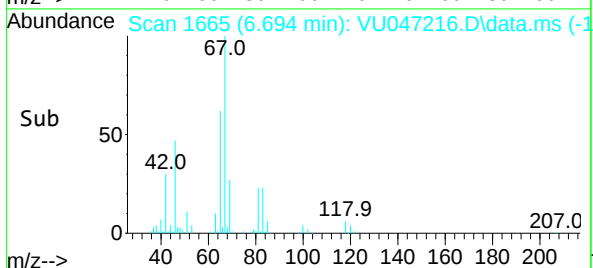
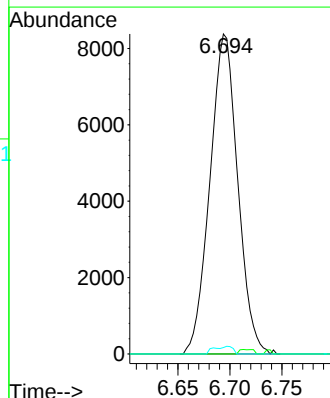
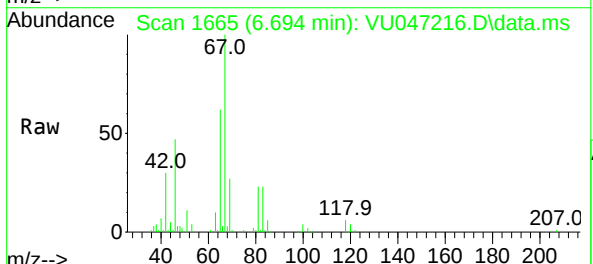
Ion	Ratio	Lower	Upper
95	100		
97	63.5	46.5	86.5
132	95.4	65.1	120.9
130	100.1	67.3	124.9

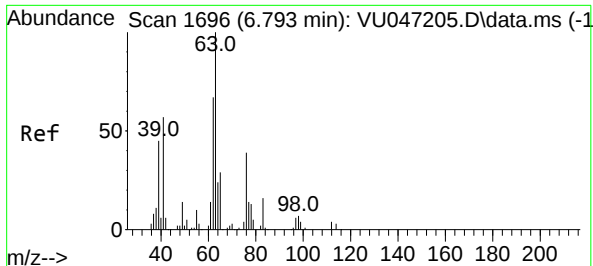


#35
Methylcyclohexane
Concen: 0.772 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047216.D
Acq: 17 Feb 2022 19:58

Tgt Ion: 83 Resp: 15630

Ion	Ratio	Lower	Upper
83	100		
55	0.7	61.9	92.9#
98	1.6	39.0	58.6#





#37

1,2-Dichloropropane

Concen: 0.618 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU047216.D

Acq: 17 Feb 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

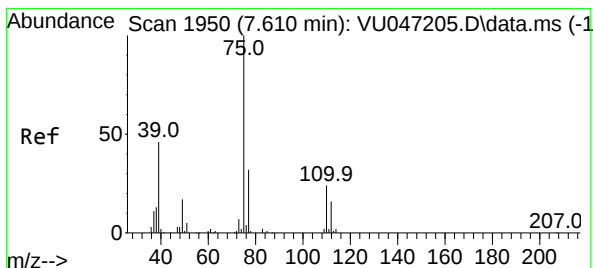
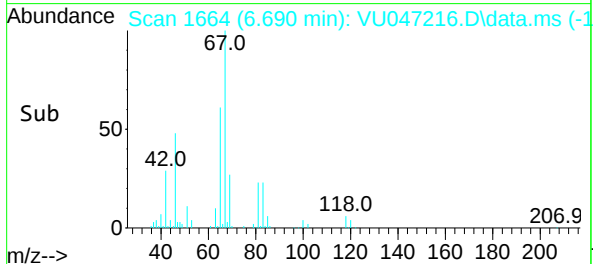
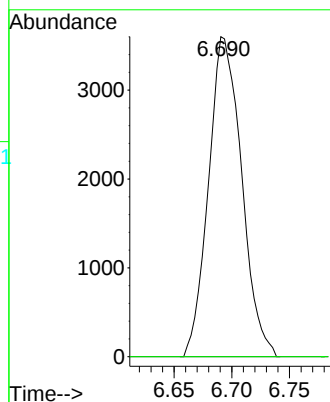
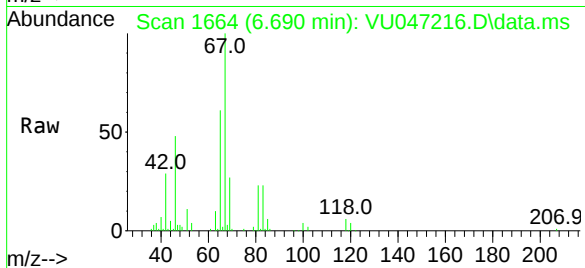
BFY02DL

Tgt Ion: 63 Resp: 7185

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU047216.D

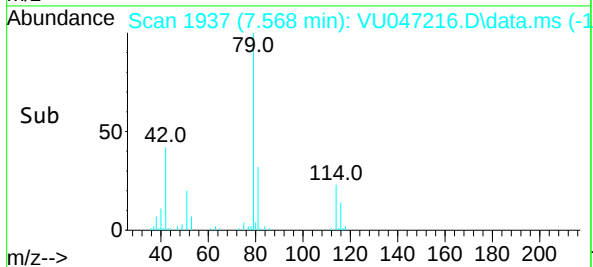
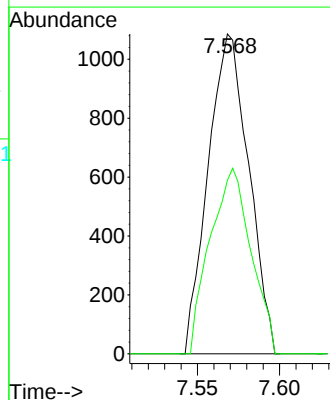
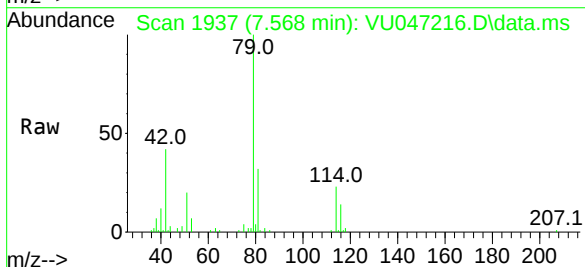
Acq: 17 Feb 2022 19:58

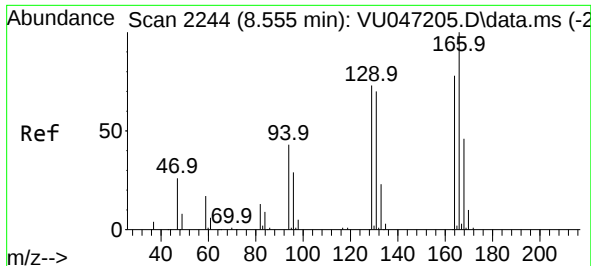
Tgt Ion: 75 Resp: 1864

Ion Ratio Lower Upper

75 100

77 54.2 22.5 41.9#





#47

Tetrachloroethene

Concen: 9.757 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU047216.D

Acq: 17 Feb 2022 19:58

Instrument :

MSVOA_U

ClientSampleId :

BFY02DL

Tgt Ion:164 Resp: 95001

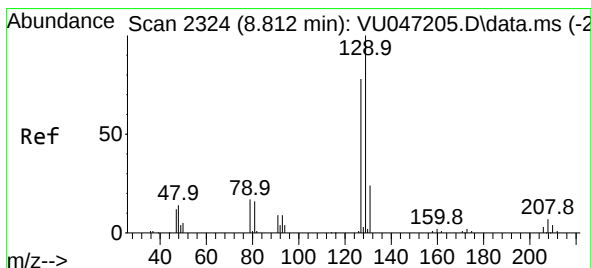
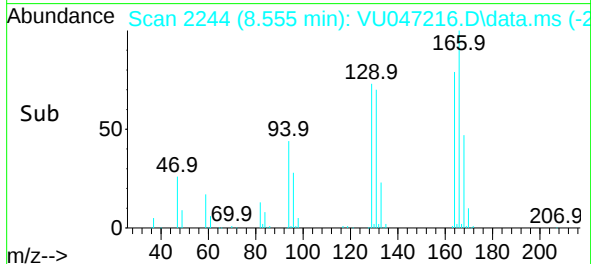
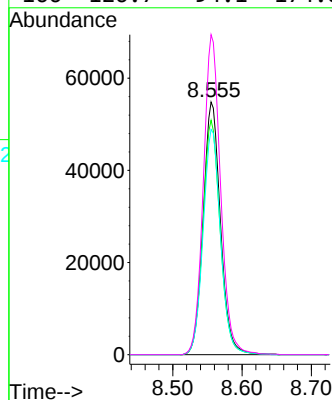
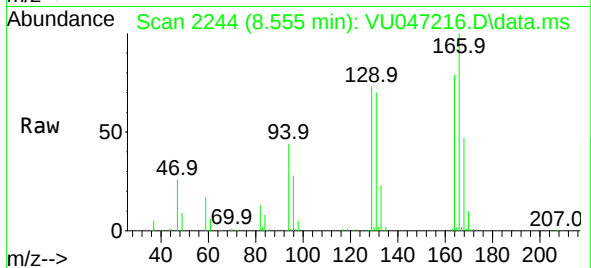
Ion Ratio Lower Upper

164 100

129 92.8 71.8 133.4

131 89.2 68.5 127.3

166 126.7 94.1 174.8



#49

Dibromochloromethane

Concen: 8.040 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU047216.D

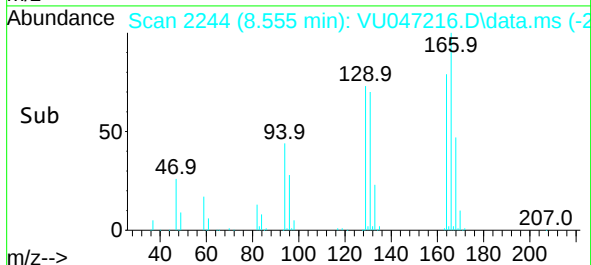
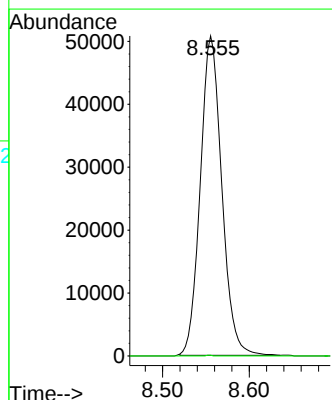
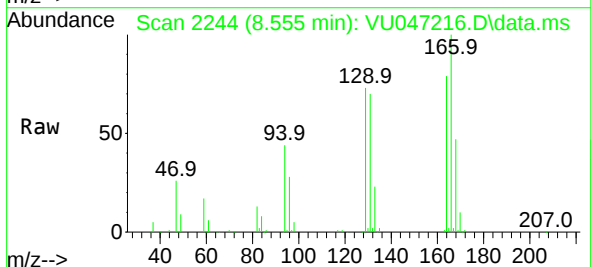
Acq: 17 Feb 2022 19:58

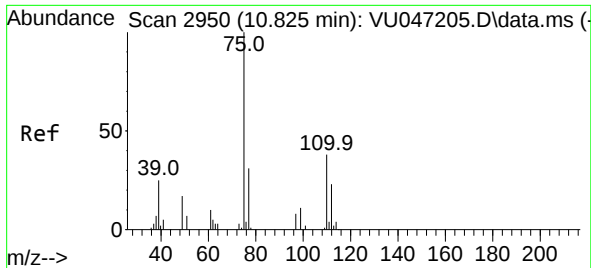
Tgt Ion:129 Resp: 87445

Ion Ratio Lower Upper

129 100

127 0.2 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.196 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU047216.D
 Acq: 17 Feb 2022 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY02DL

Tgt Ion: 75 Resp: 10265
 Ion Ratio Lower Upper
 75 100
 110 2.5 29.9 44.9#
 77 32.8 25.5 38.3

