

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030822\
 Data File : VU047385.D
 Acq On : 08 Mar 2022 12:42
 Operator : SY/MD
 Sample : N1773-12DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY19DL

Quant Time: Mar 09 03:02:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 09 02:01:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	185444	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	184006	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	104845	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.601	65	42343	3.217	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.919	69	44645	4.066	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.568	65	18940	3.407	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.200%
20) 2-Butanone-d5	4.649	46	235255	54.445	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.880%
24) Chloroform-d	5.067	84	106317	4.372	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.703	65	64191	4.703	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.729	84	206267	3.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
36) 1,2-Dichloropropane-d6	6.694	67	70878	4.391	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.899	98	178692	3.652	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	8.182	79	28678	4.043	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.648	63	201361	49.882	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.760%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	76157	4.631	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	88246	4.295	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%

Target Compounds

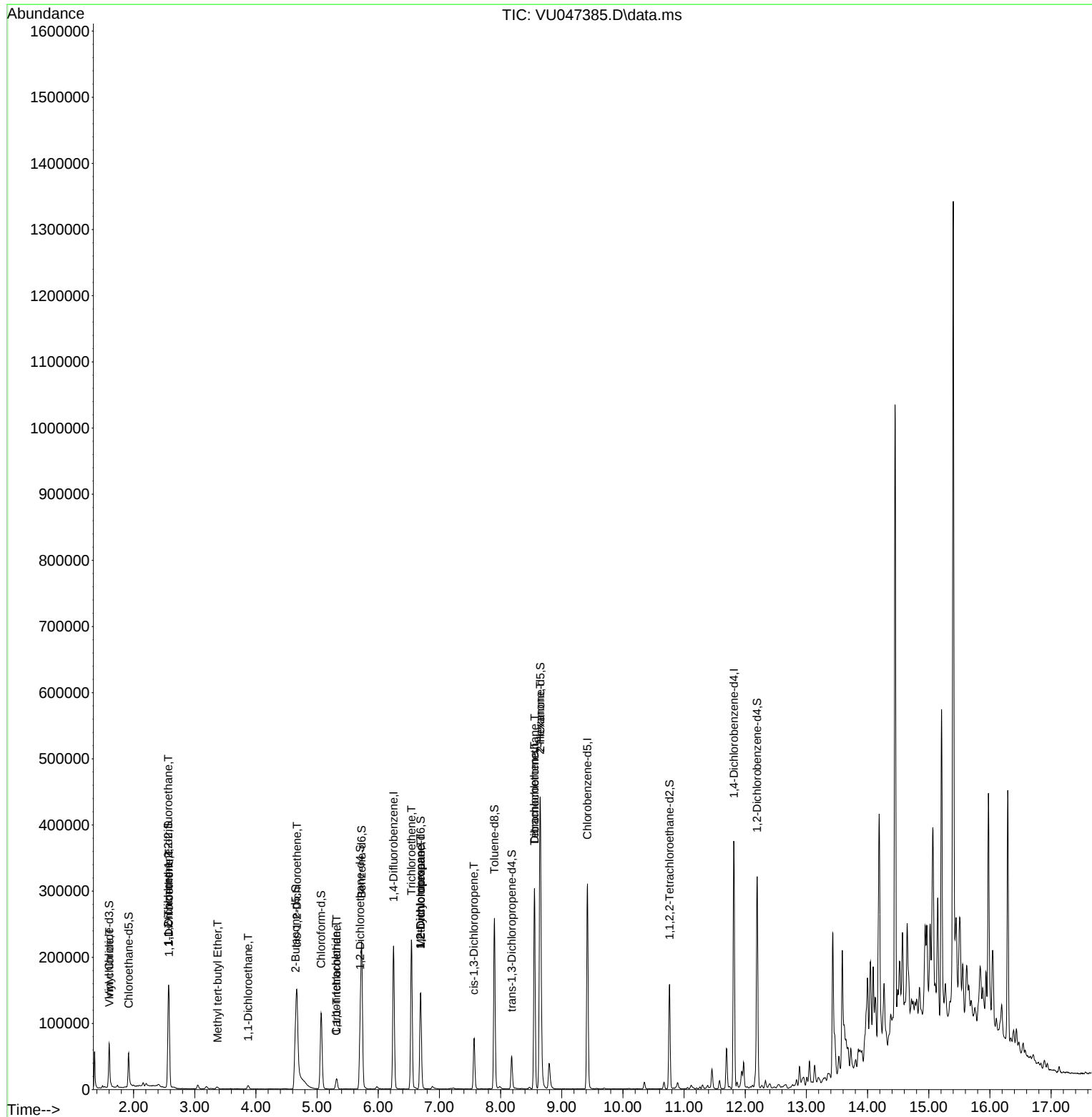
						Qvalue
5) Vinyl chloride	1.607	62	2117	0.172	ug/L #	68
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	575	0.064	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	28955	3.186	ug/L	92
17) Methyl tert-butyl Ether	3.372	73	3155	0.130	ug/L #	92
19) 1,1-Dichloroethane	3.874	63	6199	0.377	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	50164	4.668	ug/L	95
29) 1,1,1-Trichloroethane	5.317	97	11846	0.767	ug/L	96
31) Carbon tetrachloride	5.311	117	1463	0.110	ug/L	93
34) Trichloroethene	6.542	95	74842	6.857	ug/L	93
35) Methylcyclohexane	6.694	83	16545	0.989	ug/L #	18
37) 1,2-Dichloropropane	6.690	63	7445	0.723	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	1840	0.113	ug/L #	68
47) Tetrachloroethene	8.552	164	70102	7.540	ug/L	90
48) 2-Hexanone	8.645	43	23407	4.040	ug/L #	64
49) Dibromochloromethane	8.555	129	64599	6.164	ug/L #	10

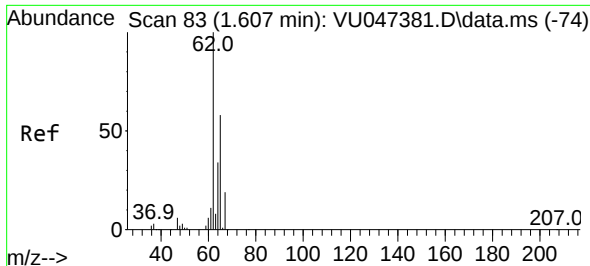
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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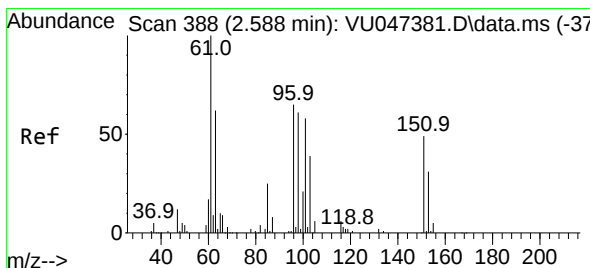
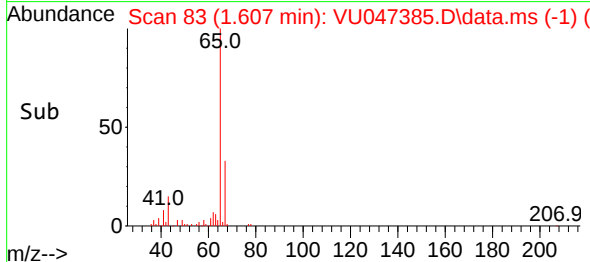
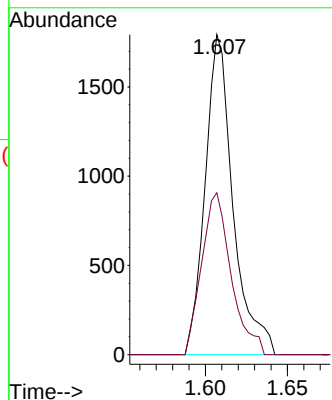
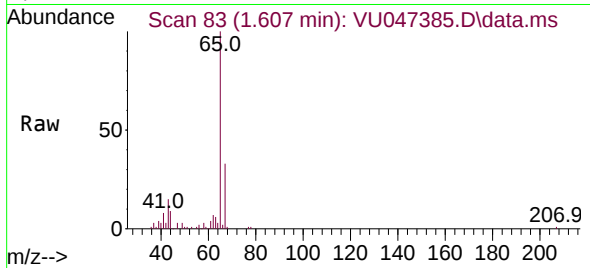




#5
 Vinyl chloride
 Concen: 0.172 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047385.D
 Acq: 08 Mar 2022 12:42

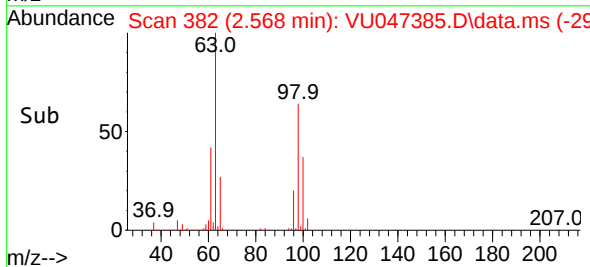
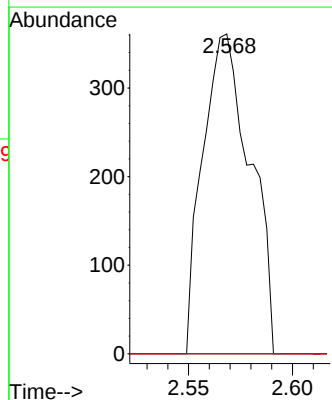
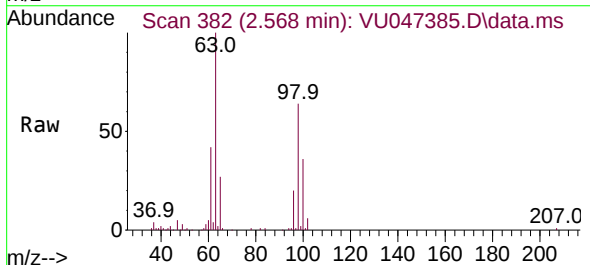
Instrument :
 MSVOA_U
 ClientSampleId :
 BFY19DL

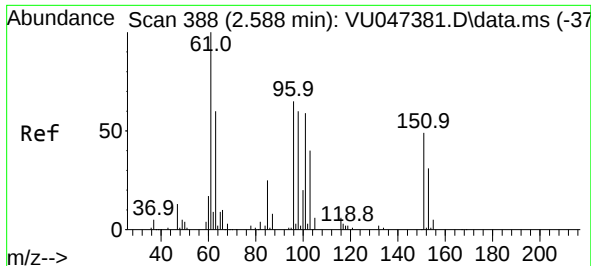
Tgt Ion: 62 Resp: 2117
 Ion Ratio Lower Upper
 62 100
 64 50.6 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.064 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU047385.D
 Acq: 08 Mar 2022 12:42

Tgt Ion: 101 Resp: 575
 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: 3.186 ug/L

RT: 2.581 min Scan# 31

Delta R.T. -0.006 min

Lab File: VU047385.D

Acq: 08 Mar 2022 12:42

Instrument :

MSVOA_U

ClientSampleId :

BFY19DL

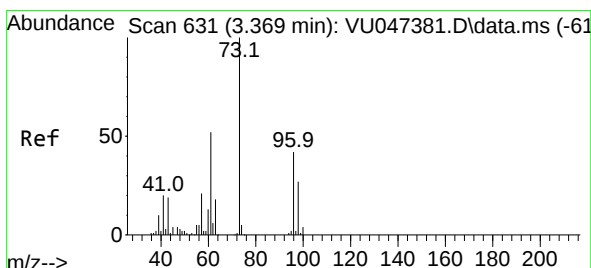
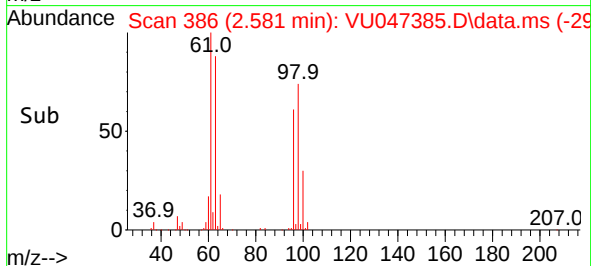
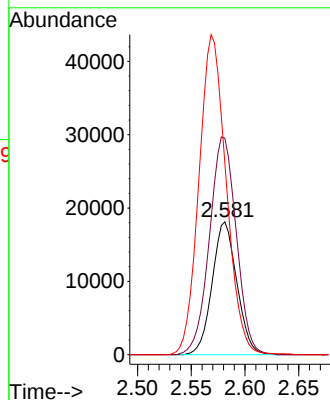
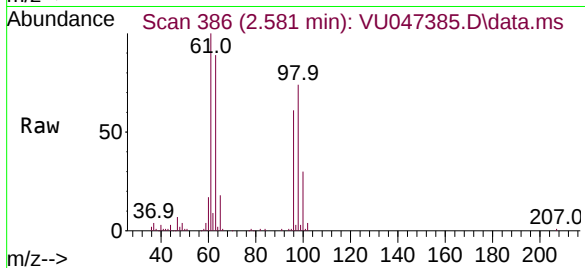
Tgt Ion: 96 Resp: 28955

Ion Ratio Lower Upper

96 100

61 163.0 124.7 231.5

63 144.5 105.2 195.4



#17

Methyl tert-butyl Ether

Concen: 0.130 ug/L

RT: 3.372 min Scan# 632

Delta R.T. 0.003 min

Lab File: VU047385.D

Acq: 08 Mar 2022 12:42

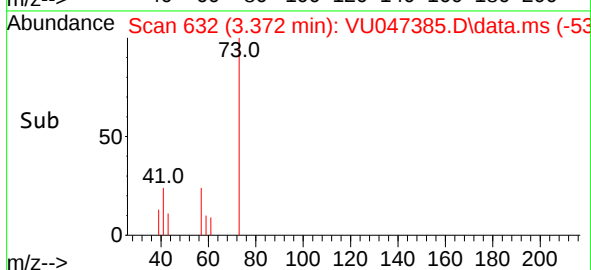
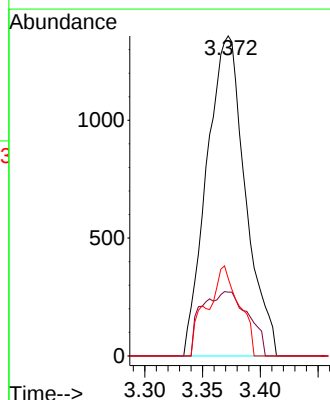
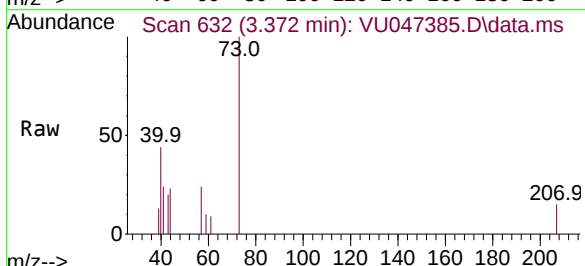
Tgt Ion: 73 Resp: 3155

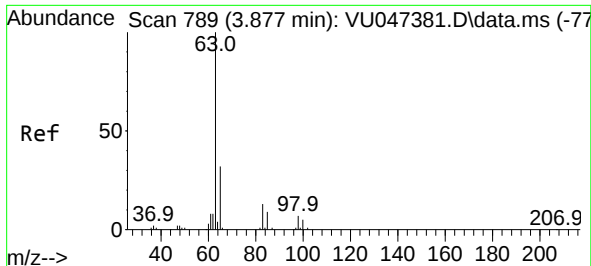
Ion Ratio Lower Upper

73 100

43 24.2 14.8 22.2#

57 23.2 17.4 26.0





#19

1,1-Dichloroethane

Concen: 0.377 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU047385.D

Acq: 08 Mar 2022 12:42

Instrument :

MSVOA_U

ClientSampleId :

BFY19DL

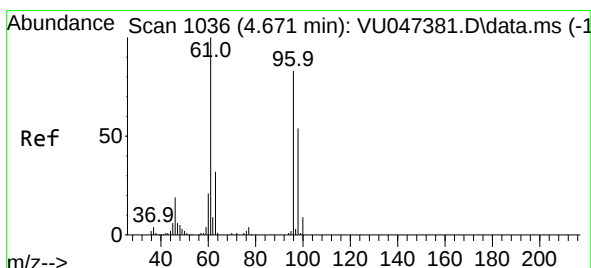
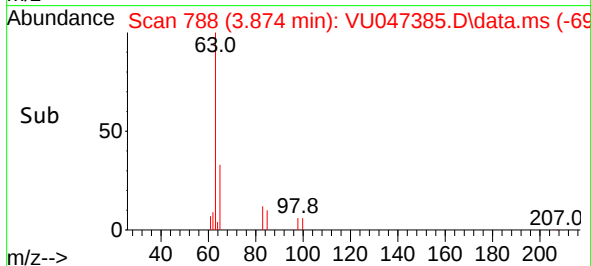
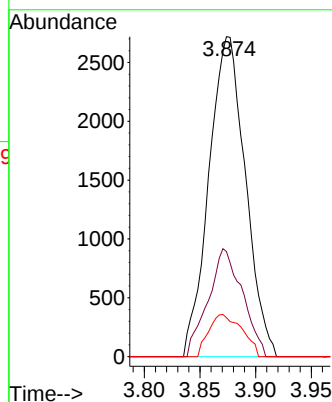
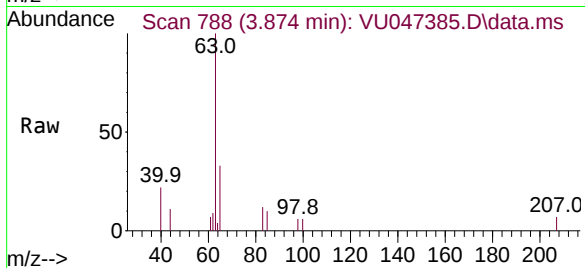
Tgt Ion: 63 Resp: 6199

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.5

83 12.2 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 4.668 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047385.D

Acq: 08 Mar 2022 12:42

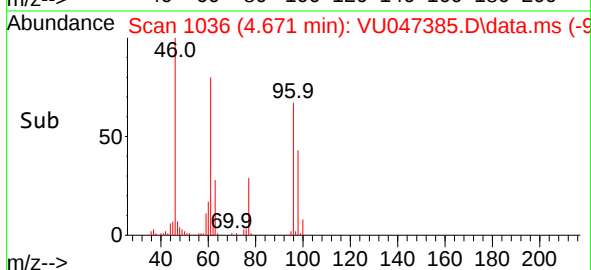
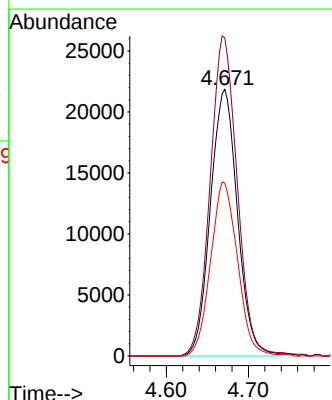
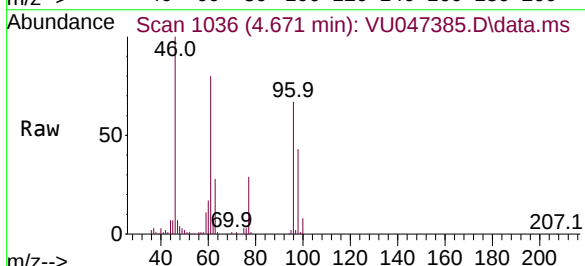
Tgt Ion: 96 Resp: 50164

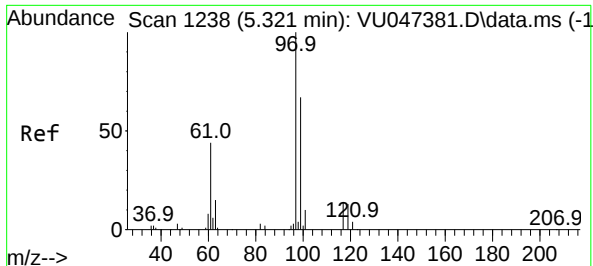
Ion Ratio Lower Upper

96 100

61 119.3 88.5 164.3

98 64.9 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 0.767 ug/L

RT: 5.317 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU047385.D

Acq: 08 Mar 2022 12:42

Instrument :

MSVOA_U

ClientSampleId :

BFY19DL

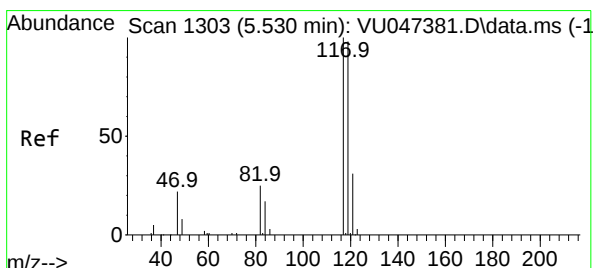
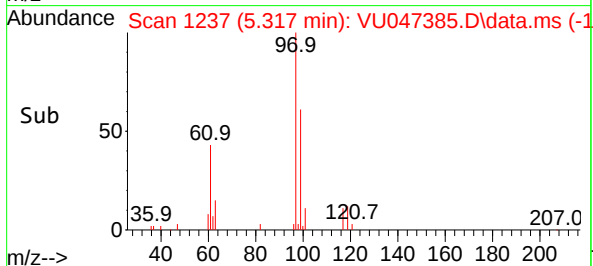
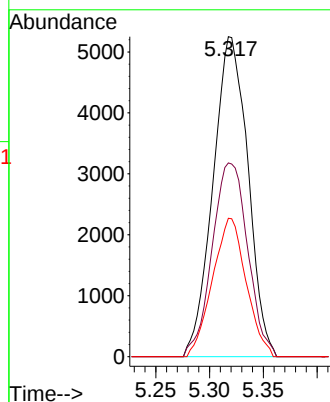
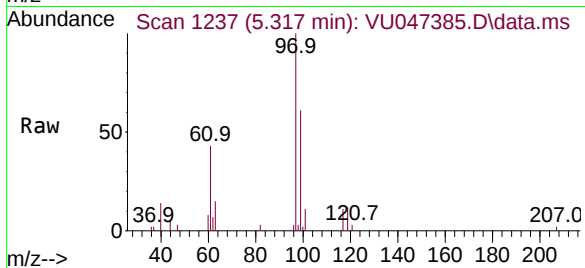
Tgt Ion: 97 Resp: 11846

Ion Ratio Lower Upper

97 100

99 61.8 51.3 76.9

61 41.7 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.110 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.219 min

Lab File: VU047385.D

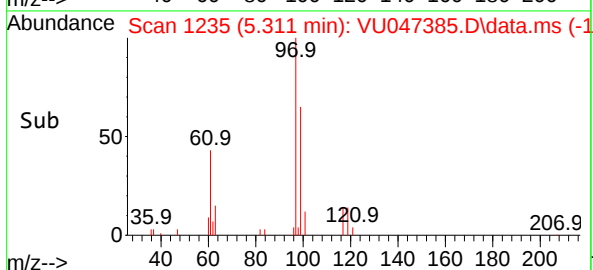
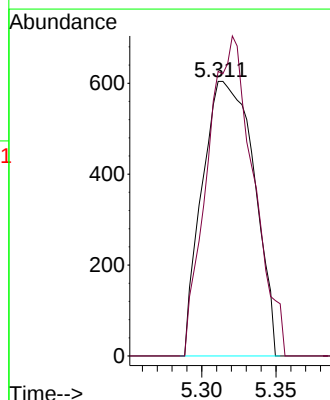
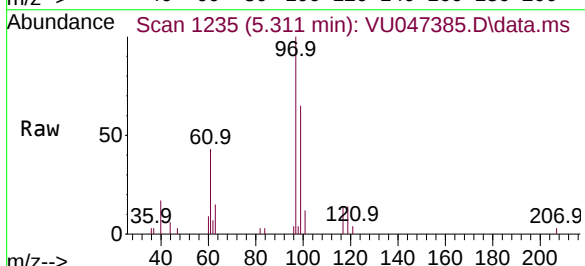
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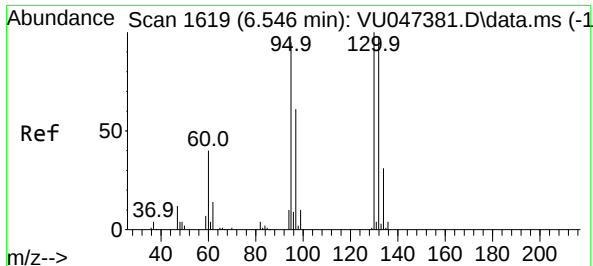
Tgt Ion: 117 Resp: 1463

Ion Ratio Lower Upper

117 100

119 103.4 77.5 116.3

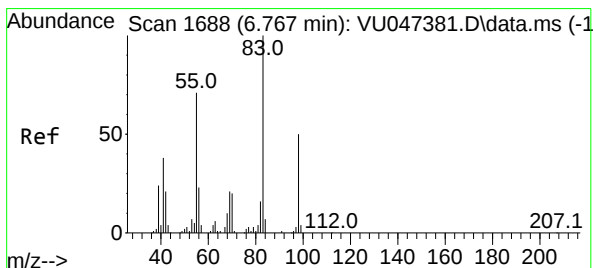
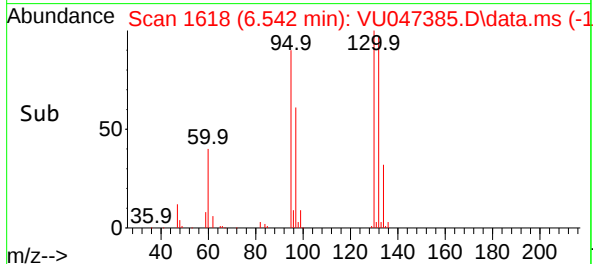
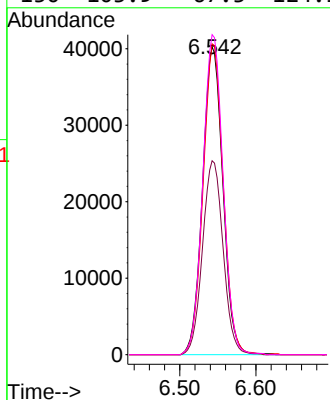
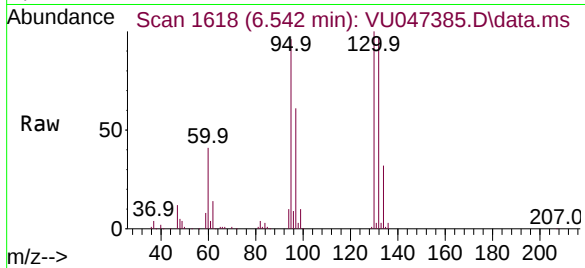




#34
Trichloroethene
Concen: 6.857 ug/L
RT: 6.542 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU047385.D
Acq: 08 Mar 2022 12:42

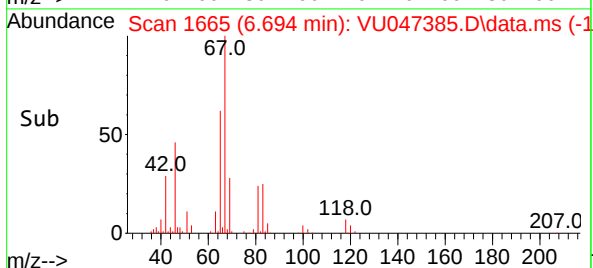
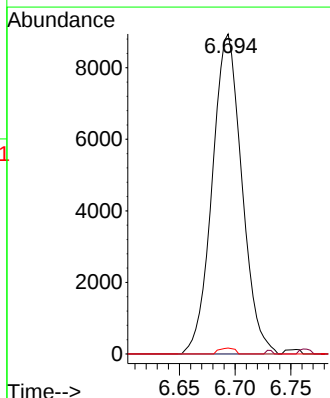
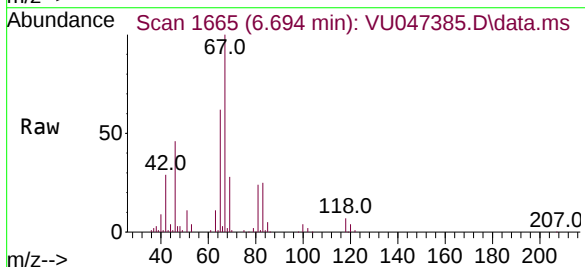
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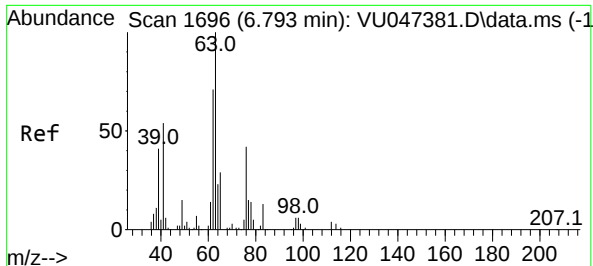
Tgt Ion: 95 Resp: 74842
Ion Ratio Lower Upper
95 100
97 63.0 46.5 86.5
132 100.9 65.1 120.9
130 103.9 67.3 124.9



#35
Methylcyclohexane
Concen: 0.989 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047385.D
Acq: 08 Mar 2022 12:42

Tgt Ion: 83 Resp: 16545
Ion Ratio Lower Upper
83 100
55 0.2 61.9 92.9#
98 1.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.723 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU047385.D

Acq: 08 Mar 2022 12:42

Instrument :

MSVOA_U

ClientSampleId :

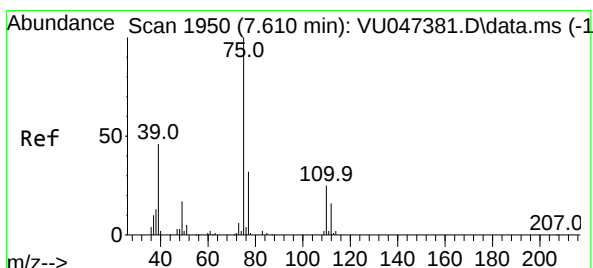
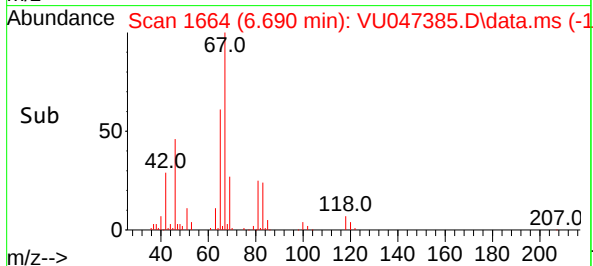
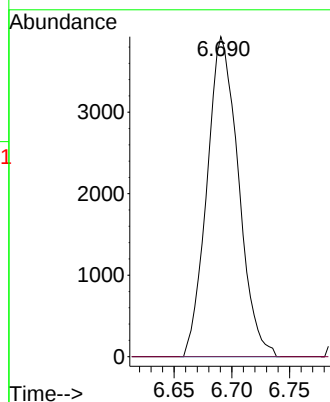
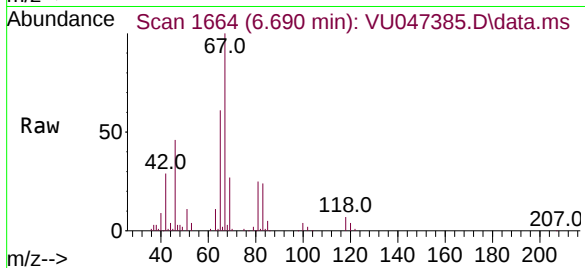
BFY19DL

Tgt Ion: 63 Resp: 7445

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU047385.D

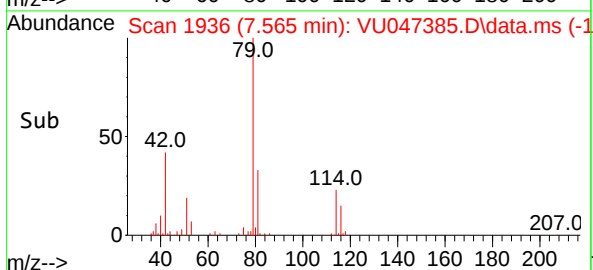
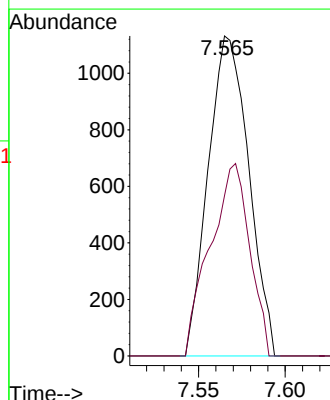
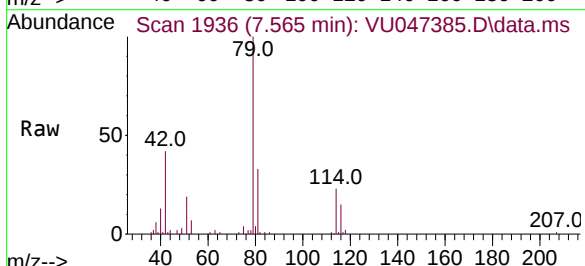
Acq: 08 Mar 2022 12:42

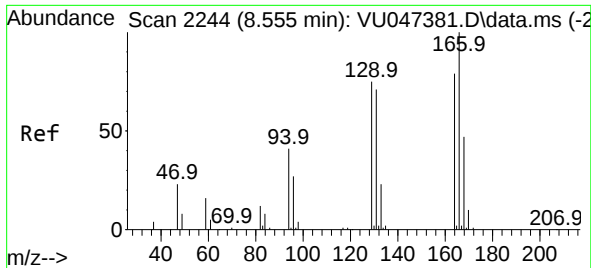
Tgt Ion: 75 Resp: 1840

Ion Ratio Lower Upper

75 100

77 50.1 22.5 41.9#

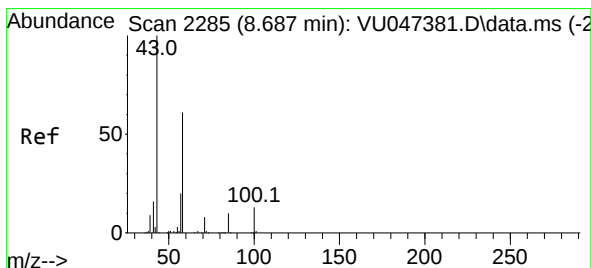
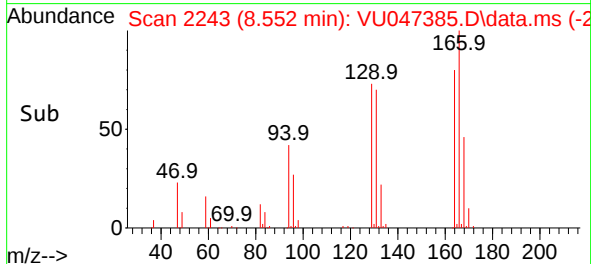
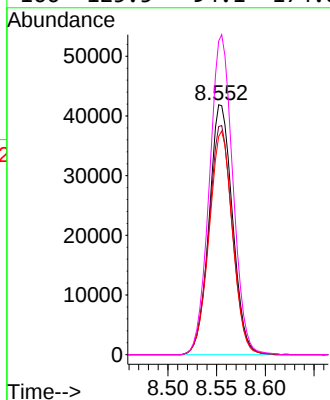
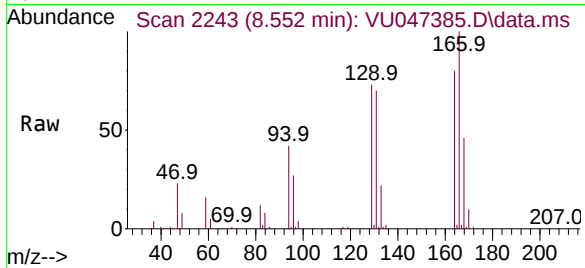




#47
Tetrachloroethene
Concen: 7.540 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047385.D
Acq: 08 Mar 2022 12:42

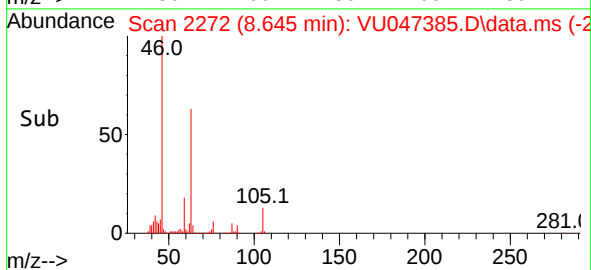
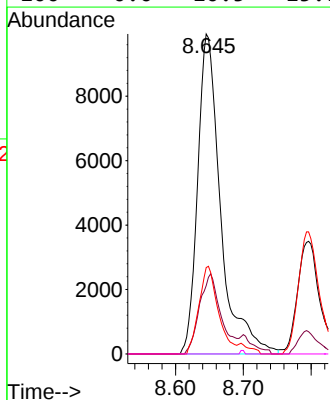
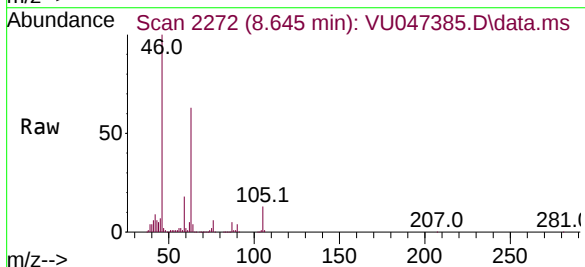
Instrument :
MSVOA_U
ClientSampleId :
BFY19DL

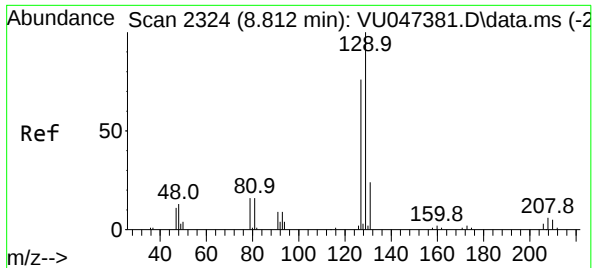
Tgt Ion:164 Resp: 70102
Ion Ratio Lower Upper
164 100
129 91.3 71.8 133.4
131 87.3 68.5 127.3
166 125.5 94.1 174.8



#48
2-Hexanone
Concen: 4.040 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.042 min
Lab File: VU047385.D
Acq: 08 Mar 2022 12:42

Tgt Ion: 43 Resp: 23407
Ion Ratio Lower Upper
43 100
58 23.4 46.7 70.1#
57 23.1 16.3 24.5
100 0.0 10.5 15.7#





#49
 Dibromochloromethane
 Concen: 6.164 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. -0.257 min
 Lab File: VU047385.D
 Acq: 08 Mar 2022 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY19DL

Tgt Ion:129 Resp: 64599
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.4 102.8#

