

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
 Data File : VU047022.D
 Acq On : 03 Feb 2022 15:25
 Operator : SY/MD
 Sample : N1328-04 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 04 05:47:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 03 02:56:36 2022
 Response via : Initial Calibration

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

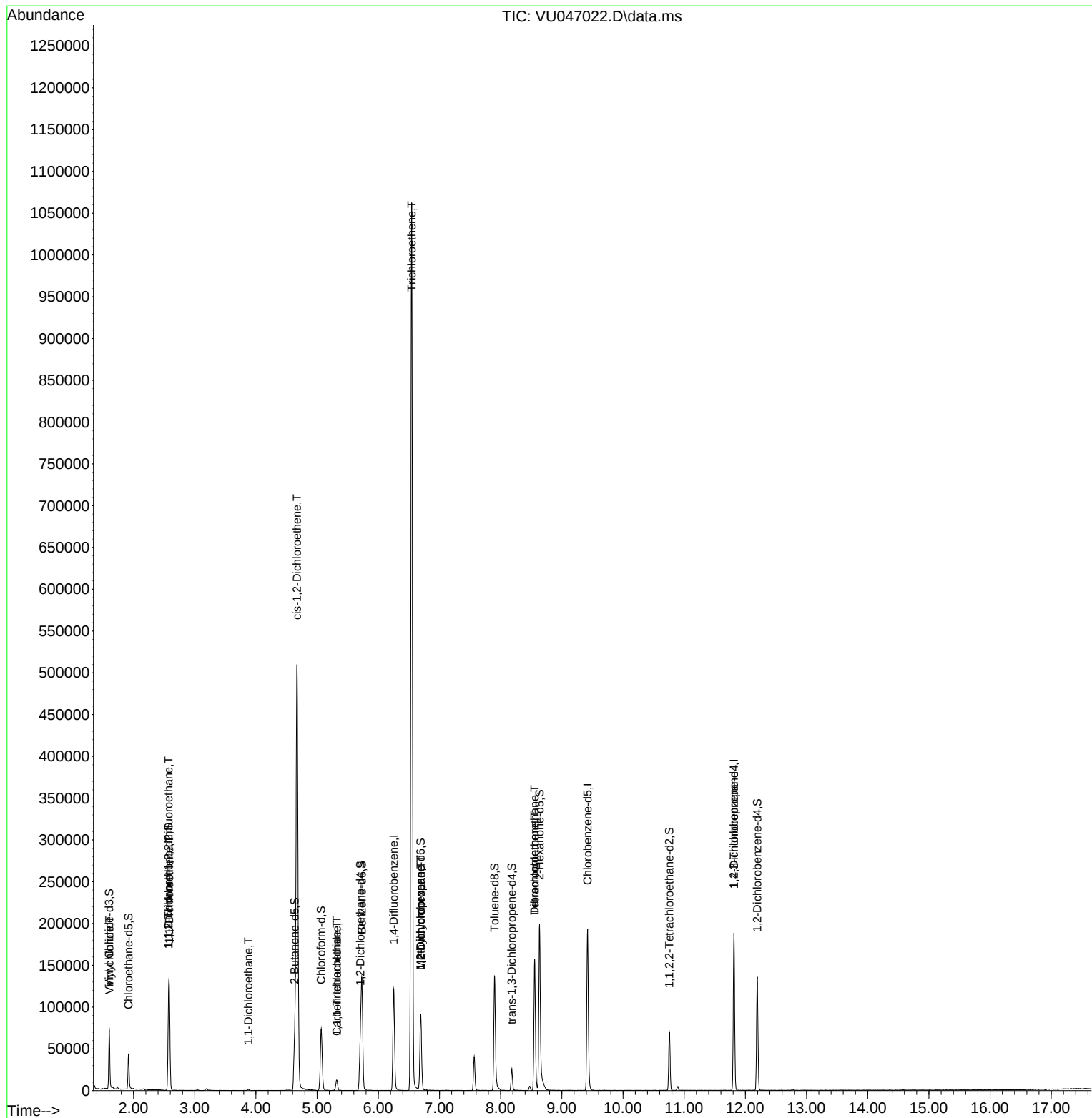
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	99260	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	115674	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	49234	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	39102	4.649	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.000%
7) Chloroethane-d5	1.916	69	32363	4.884	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.572	65	15088	4.510	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	4.633	46	89373	35.868	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.740%
24) Chloroform-d	5.067	84	70401	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.707	65	36673	4.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	5.732	84	130625	3.842	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.800%
36) 1,2-Dichloropropane-d6	6.694	67	43582	4.270	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.400%
41) Toluene-d8	7.899	98	102826	3.304	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.000%#
43) trans-1,3-Dichloroprop...	8.182	79	14872	3.318	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.400%
46) 2-Hexanone-d5	8.636	63	69105	26.035	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	52.060%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	35512	3.465	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	69.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	35983	3.897	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.000%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	12746	1.592	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	445	0.077	ug/L #	21
12) 1,1-Dichloroethene	2.585	96	29149	5.259	ug/L	91
19) 1,1-Dichloroethane	3.877	63	1851	0.184	ug/L	92
22) cis-1,2-Dichloroethene	4.671	96	266081	42.018	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	9129	0.876	ug/L	98
31) Carbon tetrachloride	5.321	117	1043	0.117	ug/L	92
34) Trichloroethene	6.546	95	368362	52.095	ug/L	98
35) Methylcyclohexane	6.694	83	10458	0.883	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	4232	0.633	ug/L #	88
47) Tetrachloroethene	8.555	164	36328	6.317	ug/L	97
49) Dibromochloromethane	8.555	129	35548	5.302	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6209	1.488	ug/L #	66

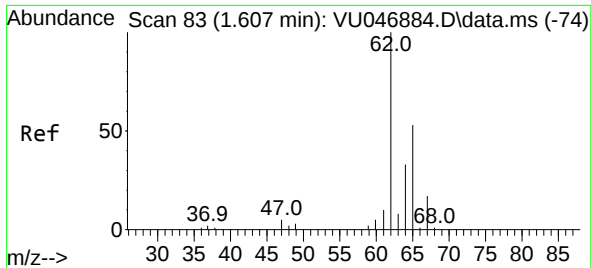
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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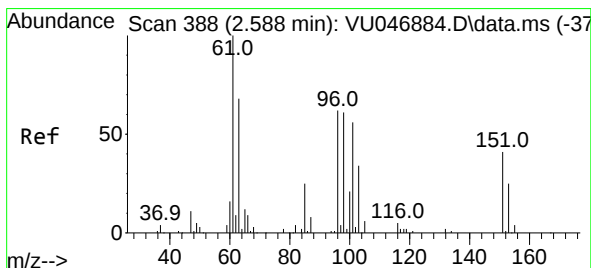
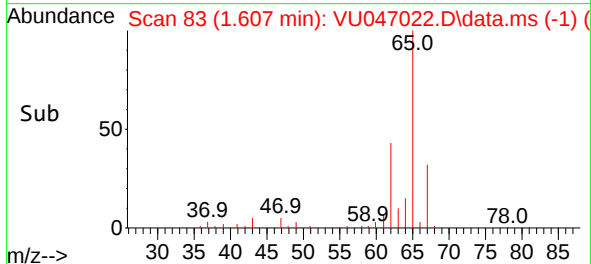
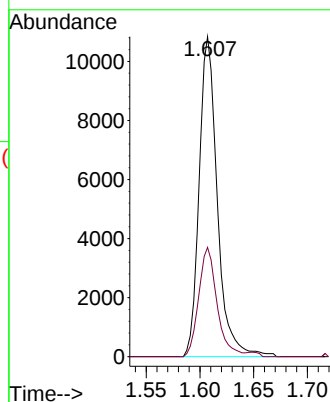
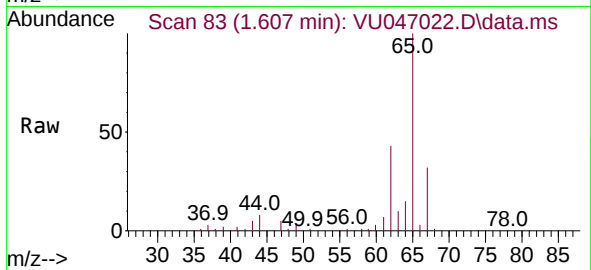




#5
 Vinyl chloride
 Concen: 1.592 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU047022.D
 Acq: 03 Feb 2022 15:25

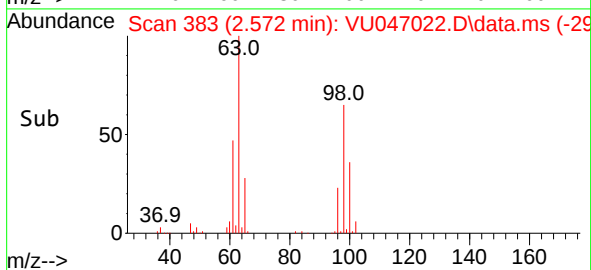
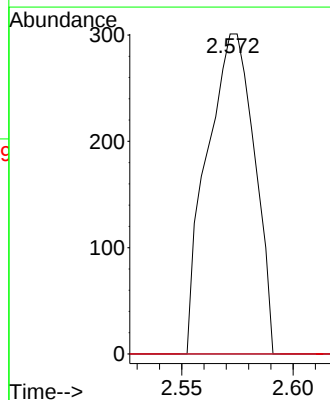
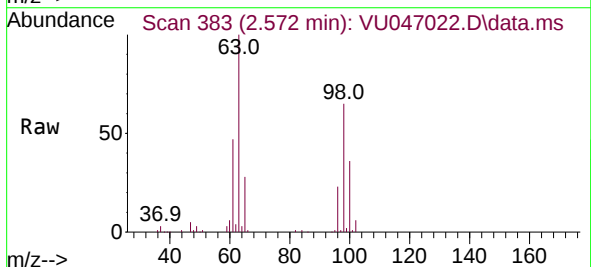
Instrument :
 MSVOA_U
 ClientSampleId :

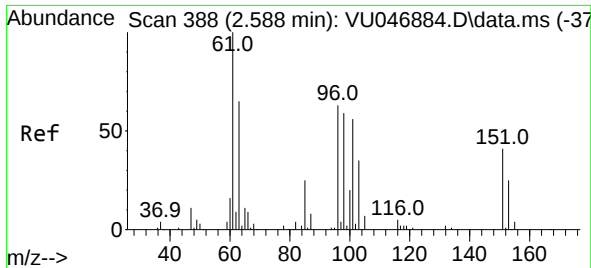
Tgt Ion: 62 Resp: 12746
 Ion Ratio Lower Upper
 62 100
 64 34.2 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.077 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.019 min
 Lab File: VU047022.D
 Acq: 03 Feb 2022 15:25

Tgt Ion: 101 Resp: 445
 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: 5.259 ug/L

RT: 2.585 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047022.D

Acq: 03 Feb 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

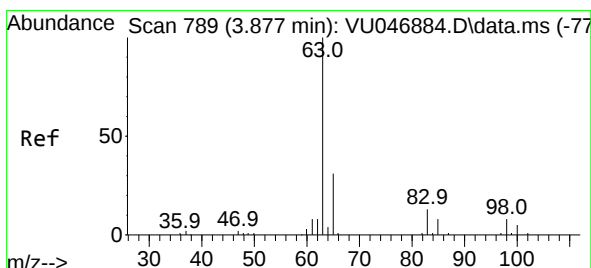
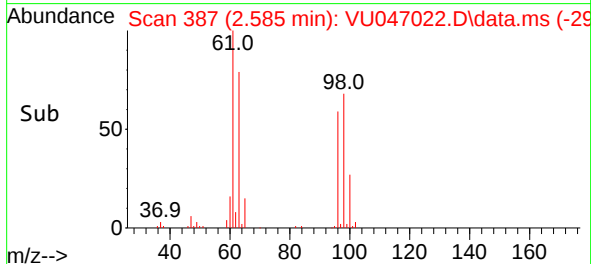
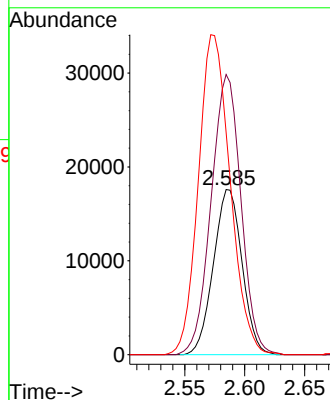
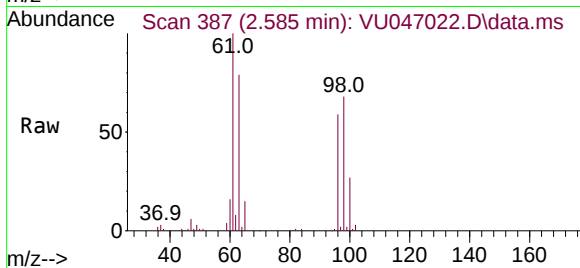
Tgt Ion: 96 Resp: 29149

Ion Ratio Lower Upper

96 100

61 169.7 124.7 231.5

63 134.7 105.2 195.4



#19

1,1-Dichloroethane

Concen: 0.184 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU047022.D

Acq: 03 Feb 2022 15:25

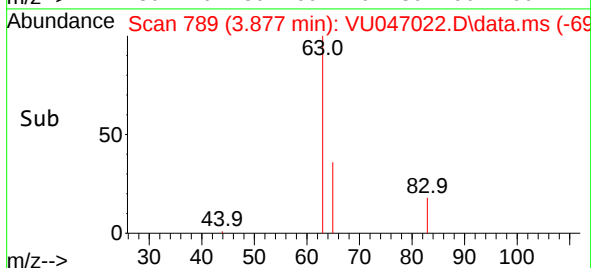
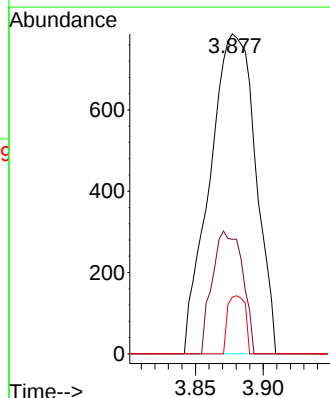
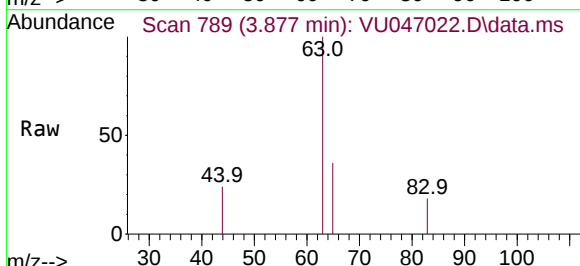
Tgt Ion: 63 Resp: 1851

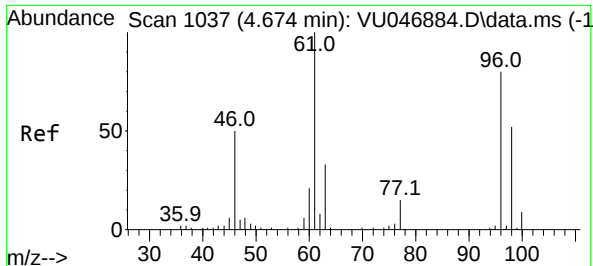
Ion Ratio Lower Upper

63 100

65 35.8 22.3 41.5

83 17.7 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 42.018 ug/L

RT: 4.671 min Scan# 1037

Delta R.T. -0.003 min

Lab File: VU047022.D

Acq: 03 Feb 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :

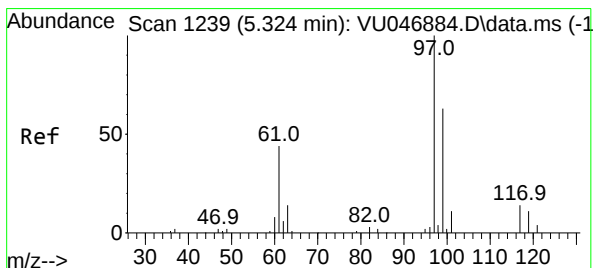
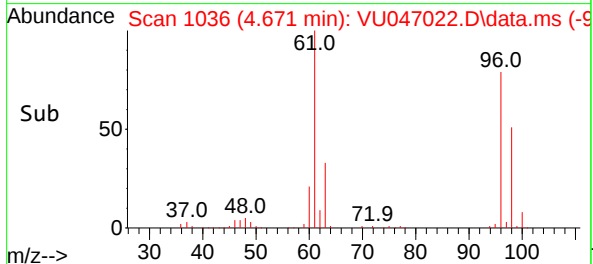
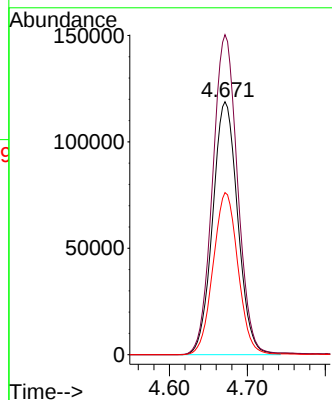
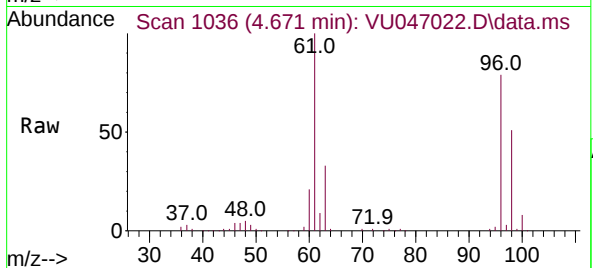
Tgt Ion: 96 Resp: 266081

Ion Ratio Lower Upper

96 100

61 126.5 88.5 164.3

98 64.1 44.4 82.5



#29

1,1,1-Trichloroethane

Concen: 0.876 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047022.D

Acq: 03 Feb 2022 15:25

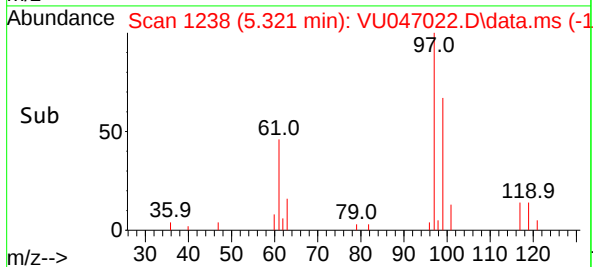
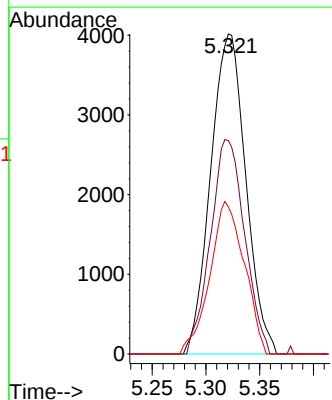
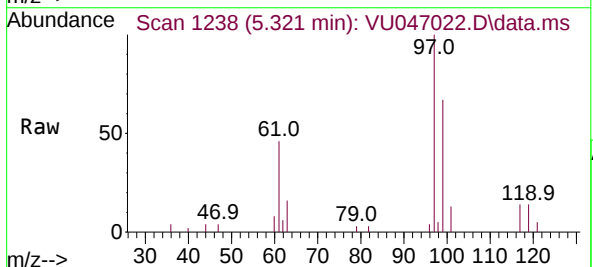
Tgt Ion: 97 Resp: 9129

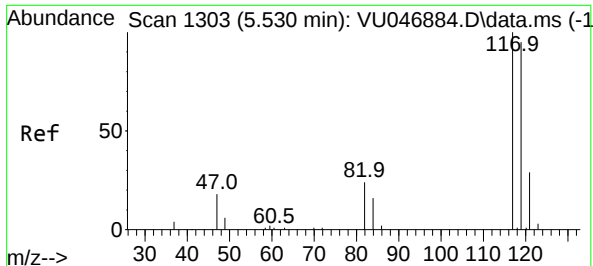
Ion Ratio Lower Upper

97 100

99 65.2 51.3 76.9

61 46.7 36.1 54.1

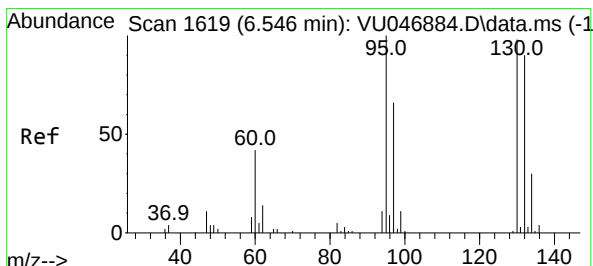
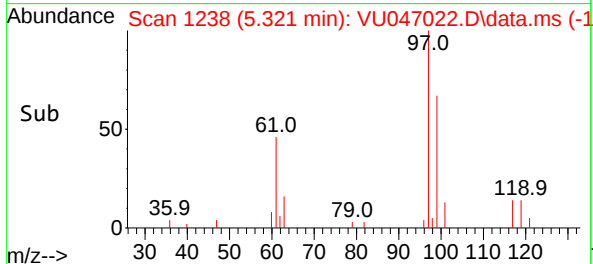
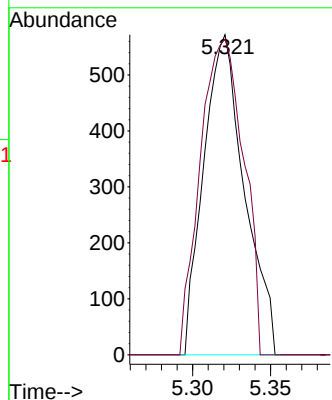
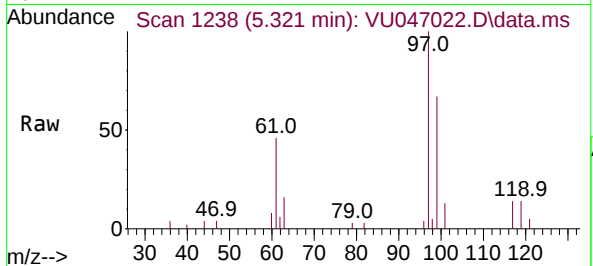




#31
Carbon tetrachloride
Concen: 0.117 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU047022.D
Acq: 03 Feb 2022 15:25

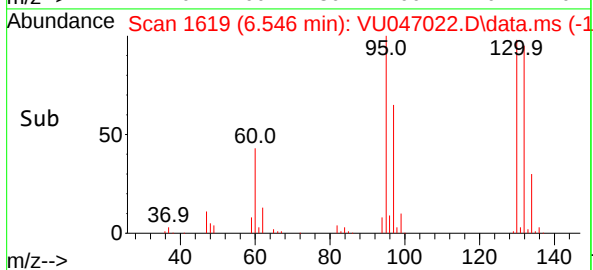
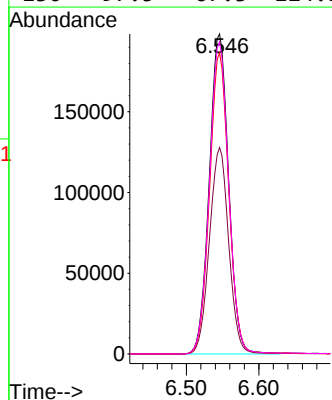
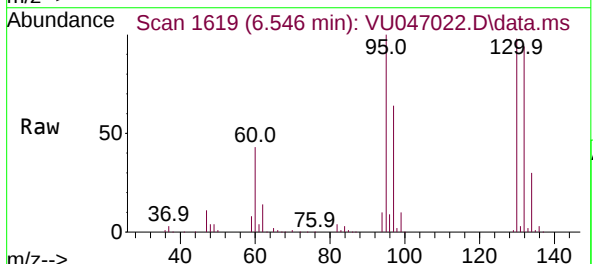
Instrument :
MSVOA_U
ClientSampleId :

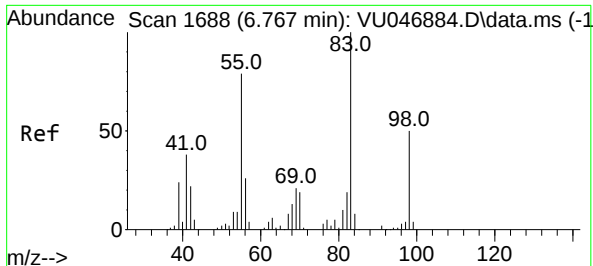
Tgt Ion:117 Resp: 1043
Ion Ratio Lower Upper
117 100
119 104.9 77.5 116.3



#34
Trichloroethene
Concen: 52.095 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047022.D
Acq: 03 Feb 2022 15:25

Tgt Ion: 95 Resp: 368362
Ion Ratio Lower Upper
95 100
97 64.5 46.5 86.5
132 94.1 65.1 120.9
130 97.5 67.3 124.9

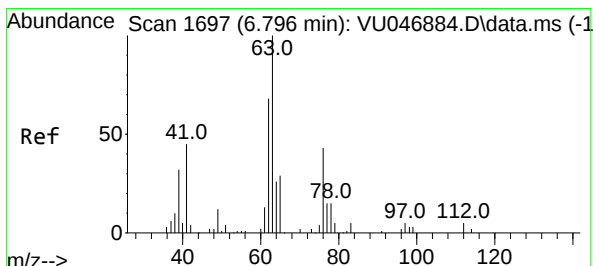
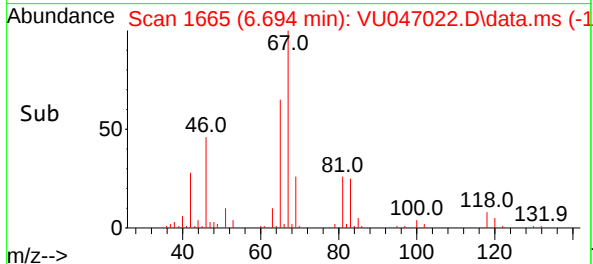
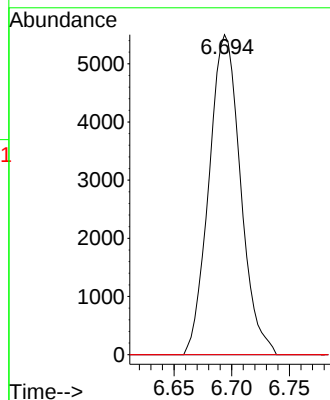
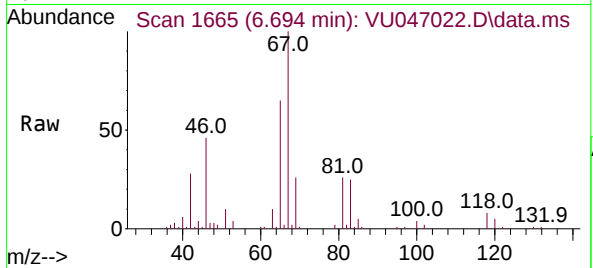




#35
Methylcyclohexane
Concen: 0.883 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047022.D
Acq: 03 Feb 2022 15:25

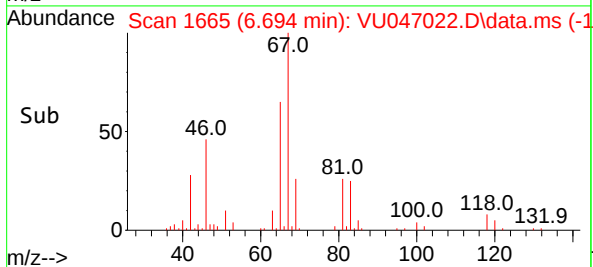
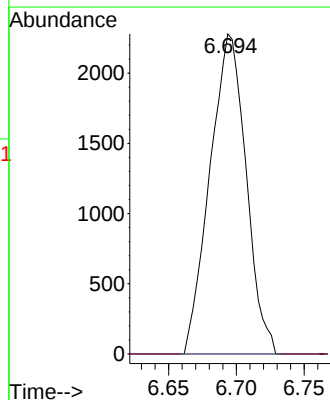
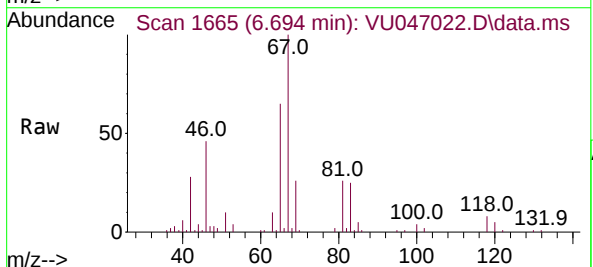
Instrument :
MSVOA_U
ClientSampleId :

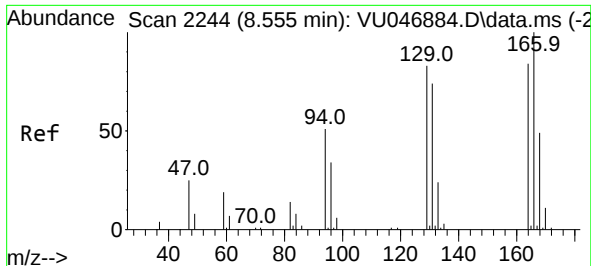
Tgt Ion: 83 Resp: 10458
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.633 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047022.D
Acq: 03 Feb 2022 15:25

Tgt Ion: 63 Resp: 4232
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 6.317 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

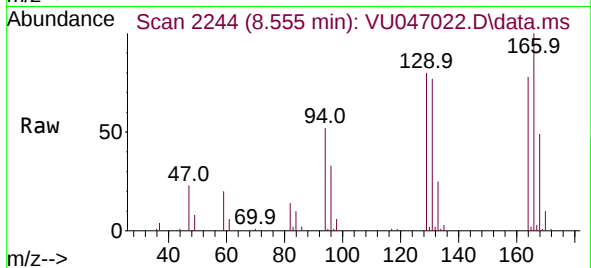
Lab File: VU047022.D

Acq: 03 Feb 2022 15:25

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 36328

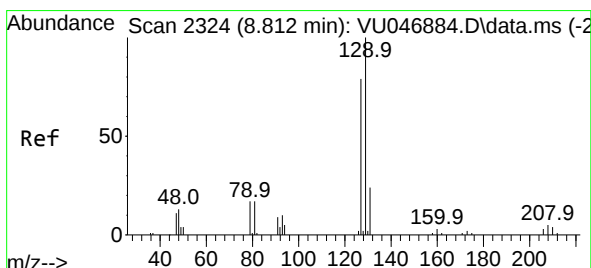
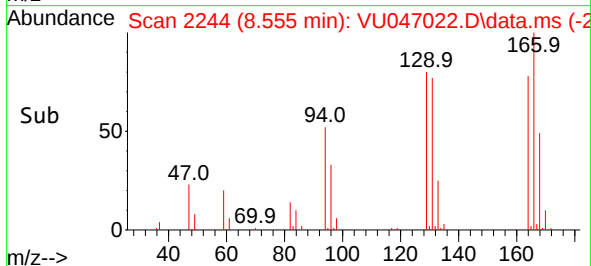
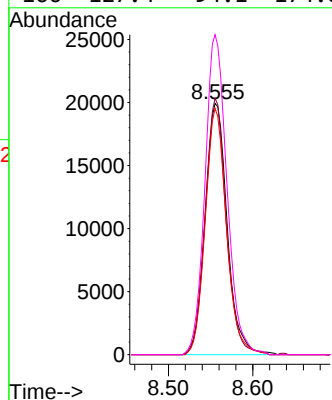
Ion Ratio Lower Upper

164 100

129 102.1 71.8 133.4

131 98.0 68.5 127.3

166 127.4 94.1 174.8



#49

Dibromochloromethane

Concen: 5.302 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU047022.D

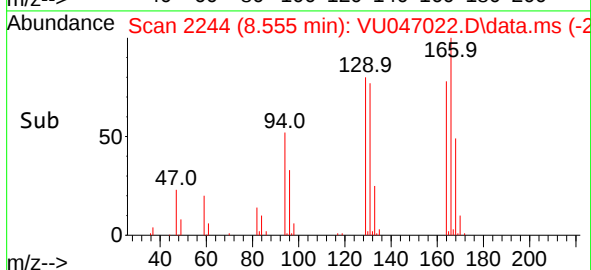
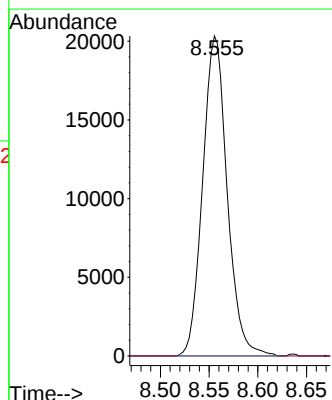
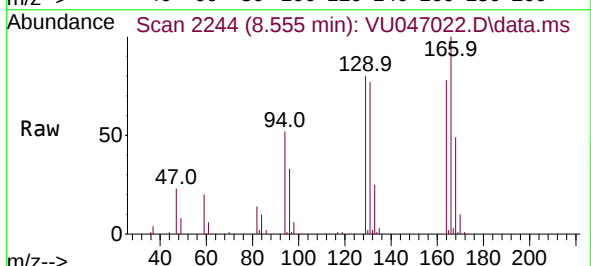
Acq: 03 Feb 2022 15:25

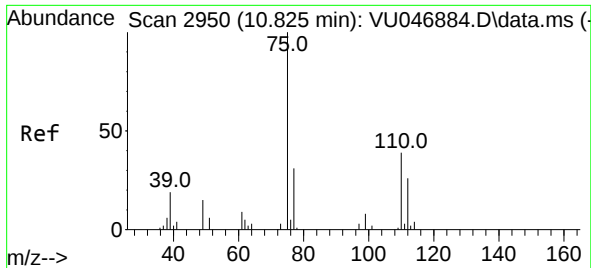
Tgt Ion:129 Resp: 35548

Ion Ratio Lower Upper

129 100

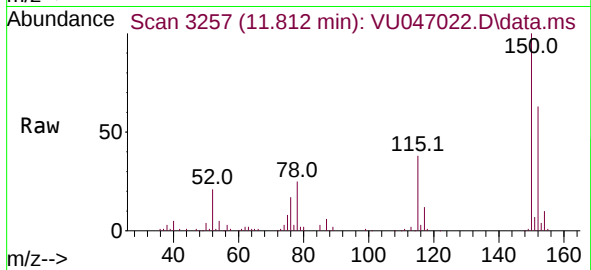
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.488 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU047022.D
 Acq: 03 Feb 2022 15:25

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 6209
 Ion Ratio Lower Upper
 75 100
 110 1.4 29.9 44.9#
 77 30.3 25.5 38.3

