

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013122\
 Data File : VU046917.D
 Acq On : 31 Jan 2022 15:01
 Operator : SY/MD
 Sample : N1328-09 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 00:26:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 01 00:23:47 2022
 Response via : Initial Calibration

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

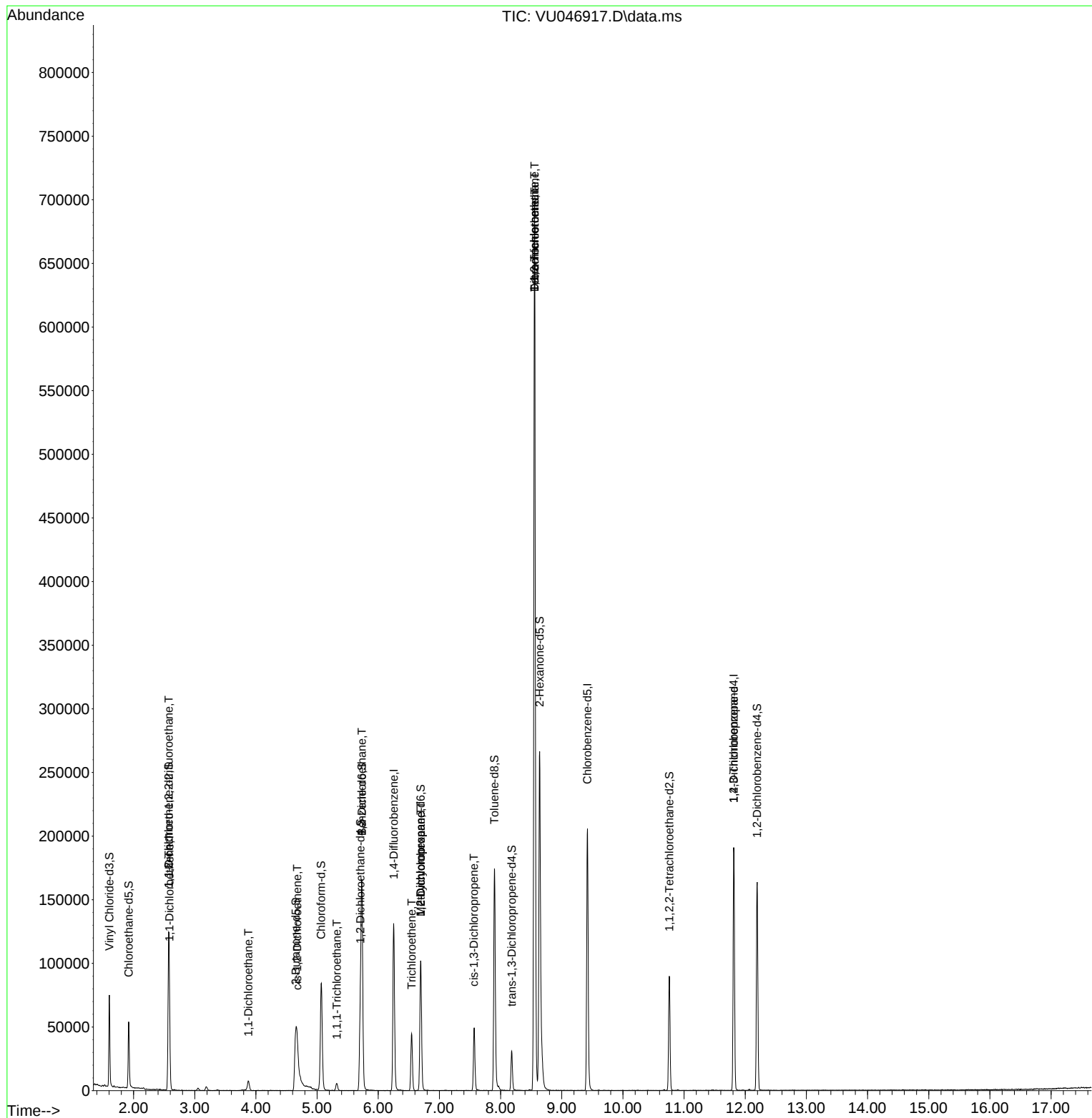
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	108936	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	122485	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	50749	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	53336	5.778	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.600%
7) Chloroethane-d5	1.919	69	40710	5.597	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.000%
11) 1,1-Dichloroethene-d2	2.575	65	20299	5.528	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.600%
20) 2-Butanone-d5	4.652	46	113681	41.571	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.140%
24) Chloroform-d	5.066	84	77924	4.809	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
26) 1,2-Dichloroethane-d4	5.706	65	44026	4.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.732	84	161047	4.474	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	6.693	67	49530	4.583	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.899	98	123816	3.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
43) trans-1,3-Dichloroprop...	8.182	79	19019	4.007	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.639	63	111763	39.765	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.520%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	45614	4.203	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	43419	4.562	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	564	0.089	ug/L #	21
12) 1,1-Dichloroethene	2.587	96	11921	1.960	ug/L #	43
19) 1,1-Dichloroethane	3.877	63	9225	0.834	ug/L	98
22) cis-1,2-Dichloroethene	4.674	96	6338	0.912	ug/L	89
27) 1,2-Dichloroethane	5.732	62	733	0.095	ug/L #	73
29) 1,1,1-Trichloroethane	5.321	97	4545	0.412	ug/L	96
34) Trichloroethene	6.546	95	15859	2.118	ug/L	98
35) Methylcyclohexane	6.693	83	11817	0.942	ug/L #	18
37) 1,2-Dichloropropane	6.693	63	5084	0.719	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	1198	0.109	ug/L #	44
45) 1,1,2-Trichloroethane	8.552	97	1425	0.237	ug/L #	1
47) Tetrachloroethene	8.555	164	156050	25.626	ug/L	97
49) Dibromochloromethane	8.555	129	152457	21.474	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6856	1.594	ug/L #	66

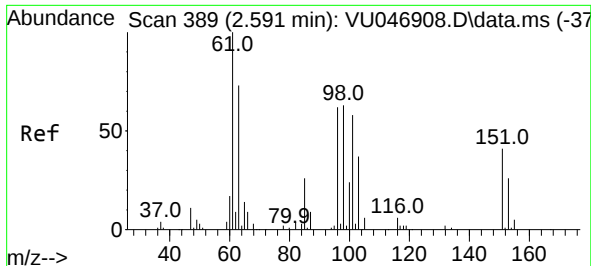
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

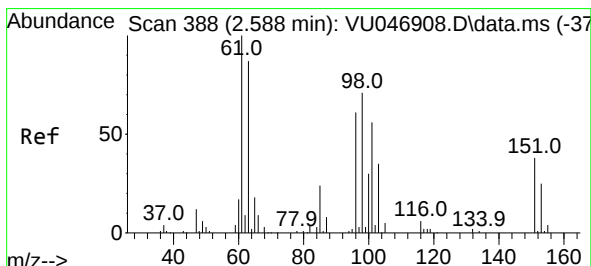
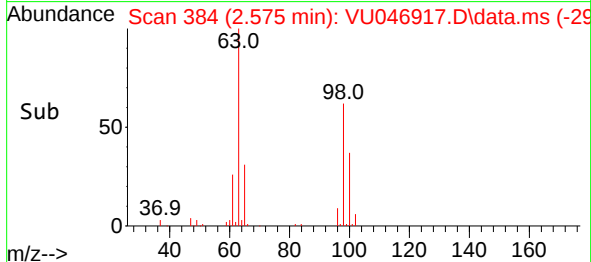
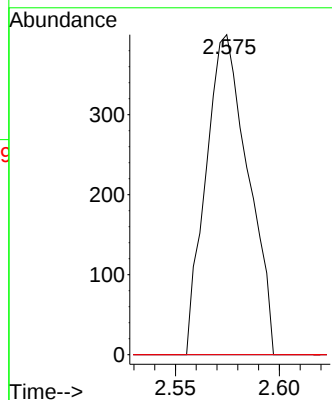
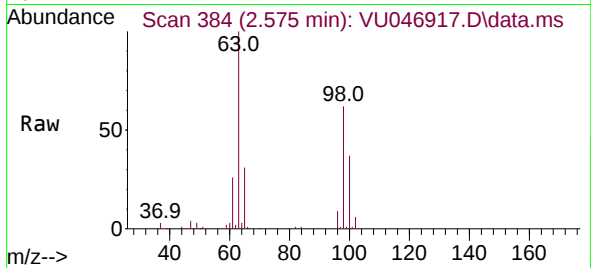




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.089 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.016 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

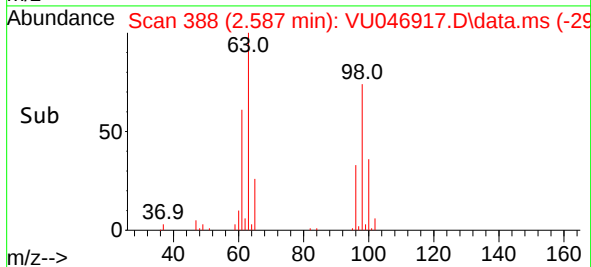
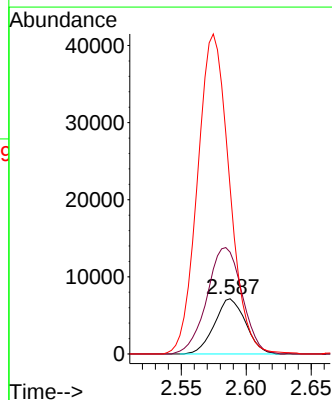
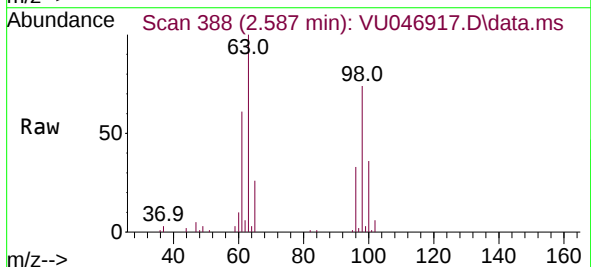
Instrument :
MSVOA_U
ClientSampleId :

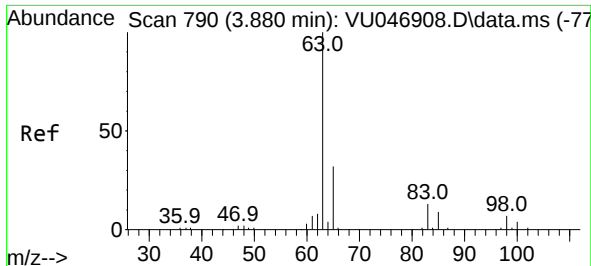
Tgt Ion:101 Resp: 564
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#



#12
1,1-Dichloroethene
Concen: 1.960 ug/L
RT: 2.587 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

Tgt Ion: 96 Resp: 11921
Ion Ratio Lower Upper
96 100
61 184.2 124.7 231.5
63 301.3 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 0.834 ug/L

RT: 3.877 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046917.D

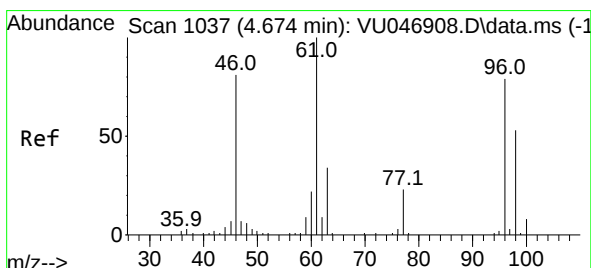
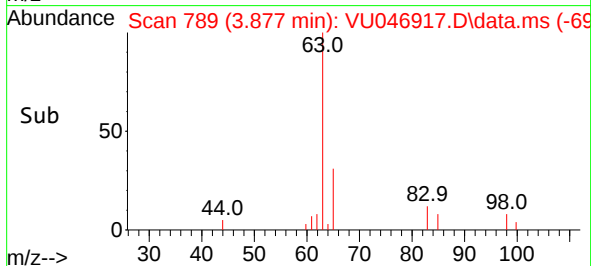
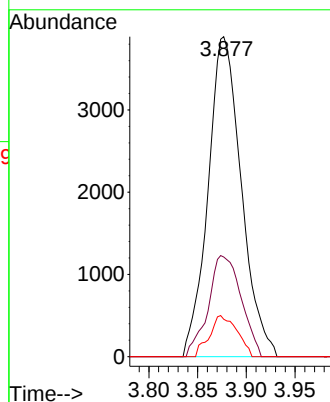
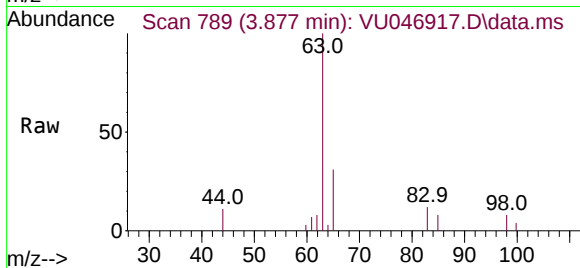
Acq: 31 Jan 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	9225
Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.3	41.5
83	11.7	9.6	17.8



#22

cis-1,2-Dichloroethene

Concen: 0.912 ug/L

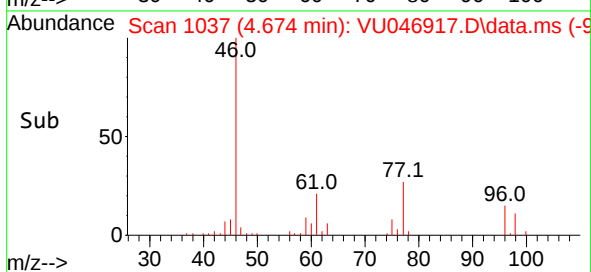
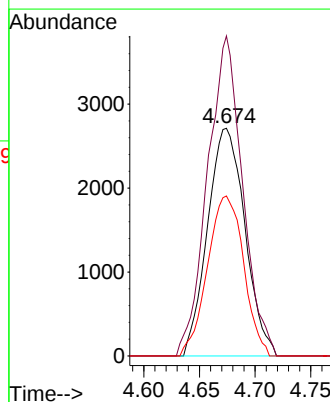
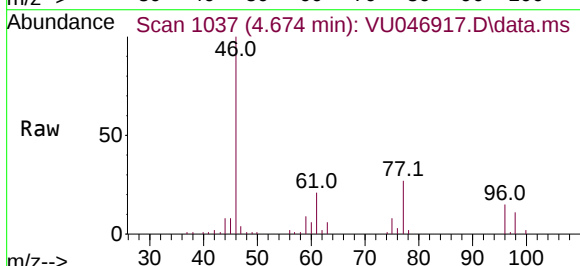
RT: 4.674 min Scan# 1037

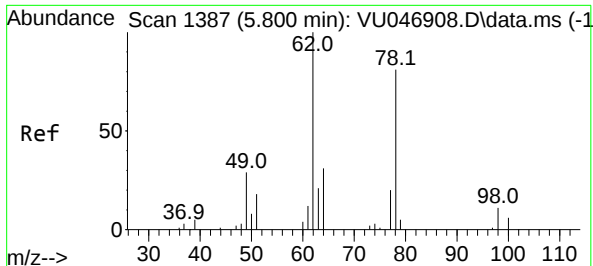
Delta R.T. -0.000 min

Lab File: VU046917.D

Acq: 31 Jan 2022 15:01

Tgt Ion:	96	Resp:	6338
Ion	Ratio	Lower	Upper
96	100		
61	140.6	88.5	164.3
98	70.3	44.4	82.5

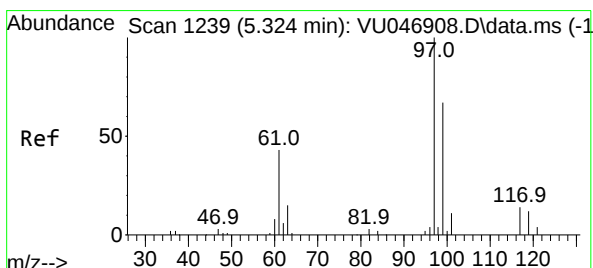
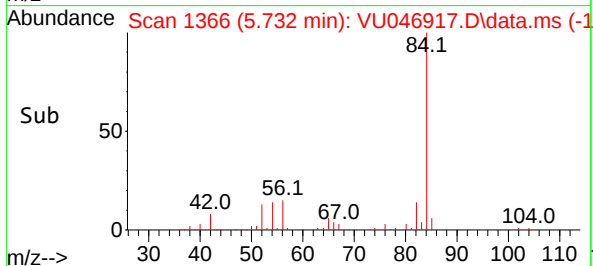
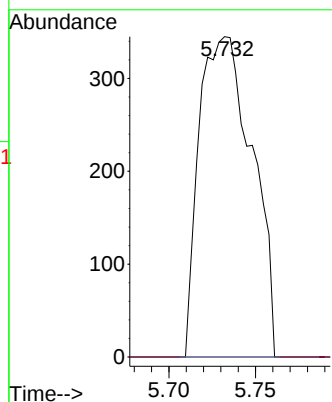
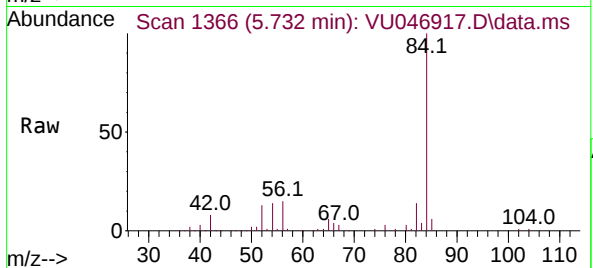




#27
1,2-Dichloroethane
Concen: 0.095 ug/L
RT: 5.732 min Scan# 11
Delta R.T. -0.068 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

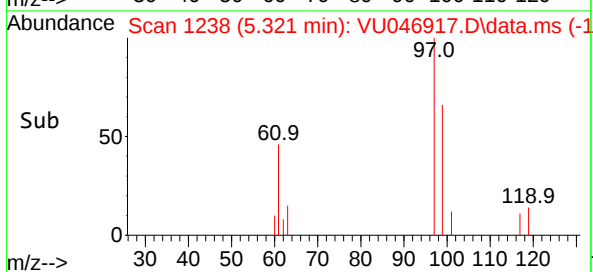
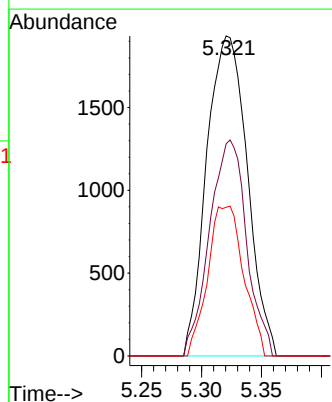
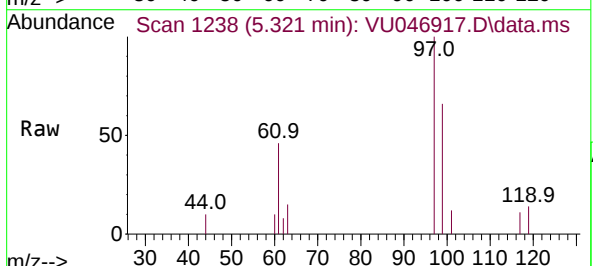
Instrument :
MSVOA_U
ClientSampleId :

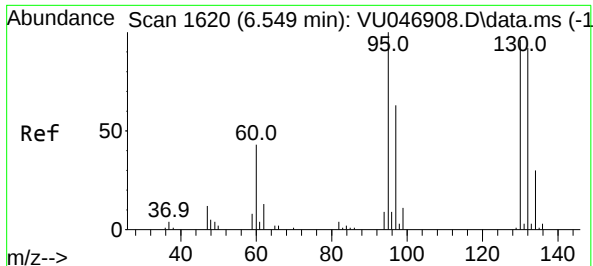
Tgt Ion: 62 Resp: 733
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#



#29
1,1,1-Trichloroethane
Concen: 0.412 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

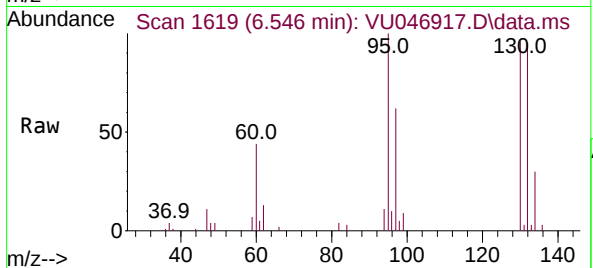
Tgt Ion: 97 Resp: 4545
Ion Ratio Lower Upper
97 100
99 61.7 51.3 76.9
61 41.5 36.1 54.1



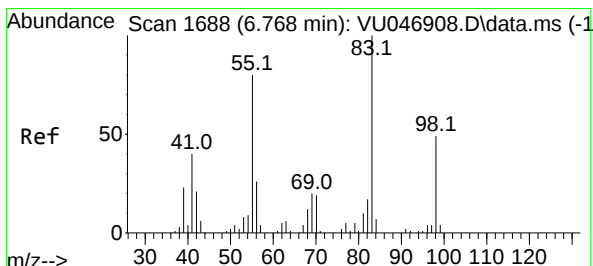
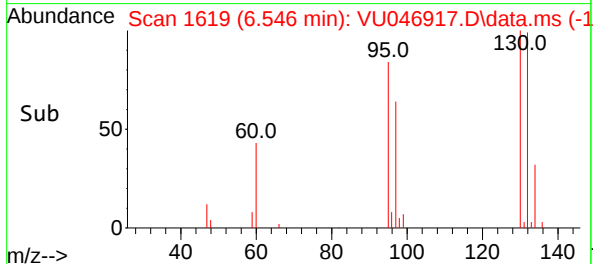
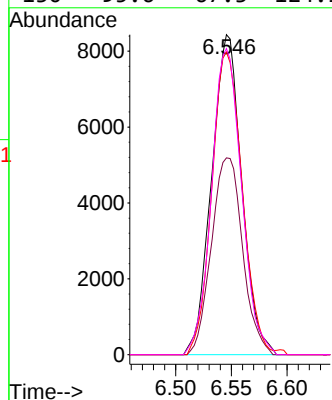


#34
Trichloroethene
Concen: 2.118 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

Instrument :
MSVOA_U
ClientSampleId :

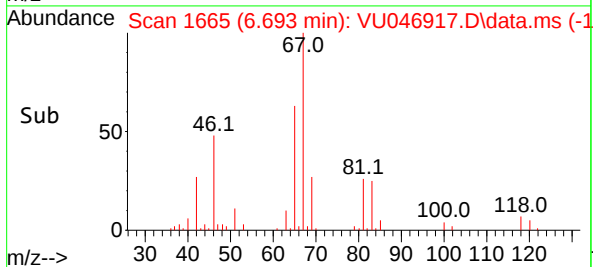
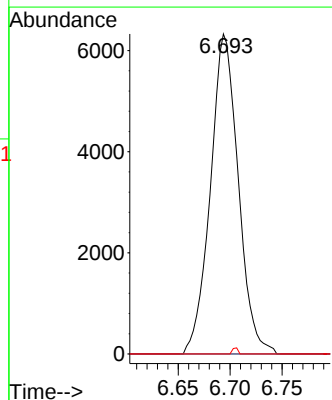
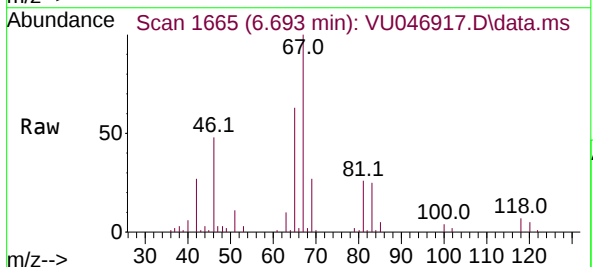


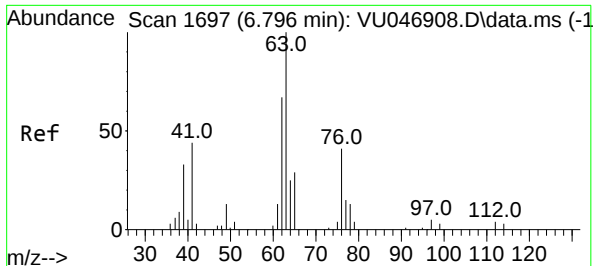
Tgt Ion:	95	Resp:	15859
Ion Ratio	100	Lower	Upper
95	100		
97	61.5	46.5	86.5
132	94.6	65.1	120.9
130	95.6	67.3	124.9



#35
Methylcyclohexane
Concen: 0.942 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

Tgt Ion:	83	Resp:	11817
Ion Ratio	100	Lower	Upper
83	100		
55	0.0	61.9	92.9#
98	0.4	39.0	58.6#





#37

1,2-Dichloropropane

Concen: 0.719 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046917.D

Acq: 31 Jan 2022 15:01

Instrument :

MSVOA_U

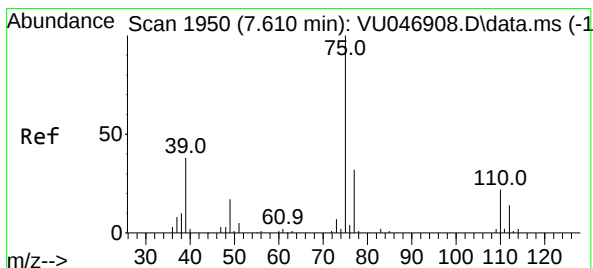
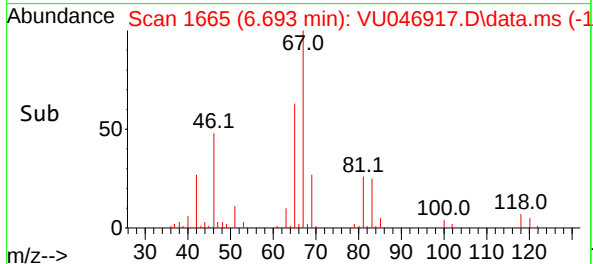
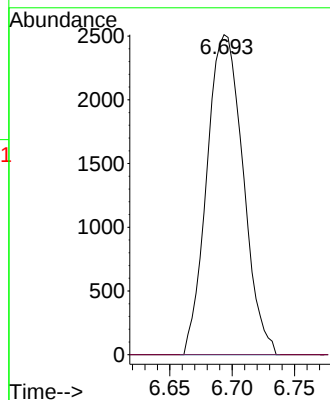
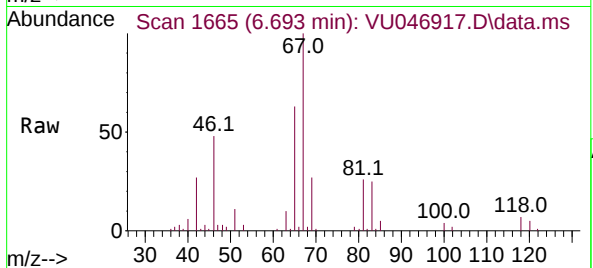
ClientSampleId :

Tgt Ion: 63 Resp: 5084

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046917.D

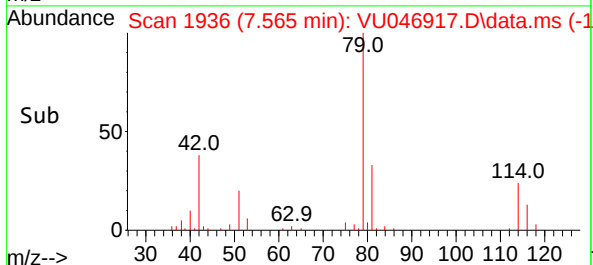
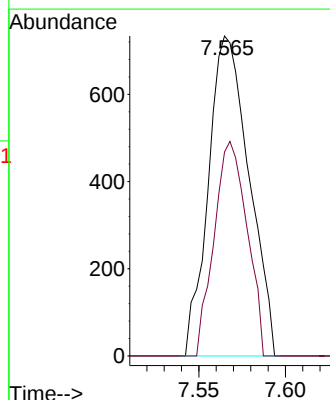
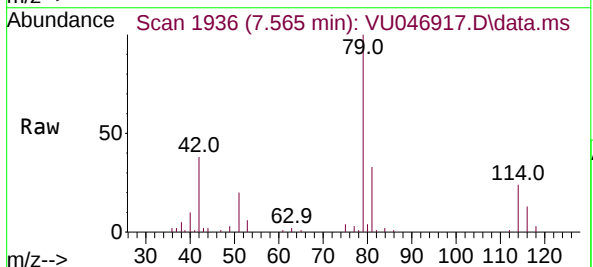
Acq: 31 Jan 2022 15:01

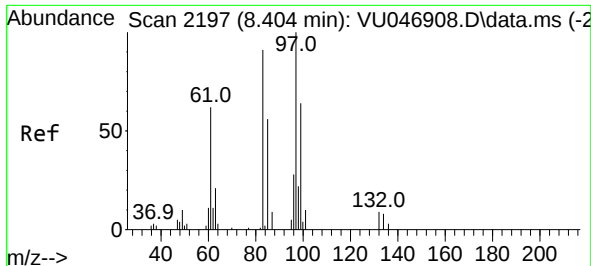
Tgt Ion: 75 Resp: 1198

Ion Ratio Lower Upper

75 100

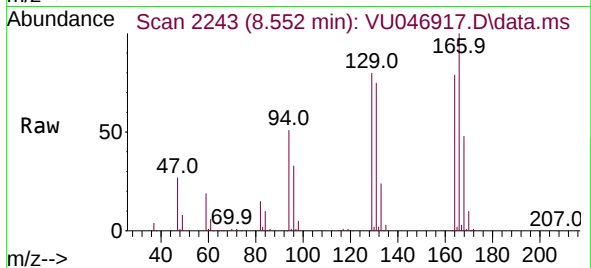
77 63.8 22.5 41.9#



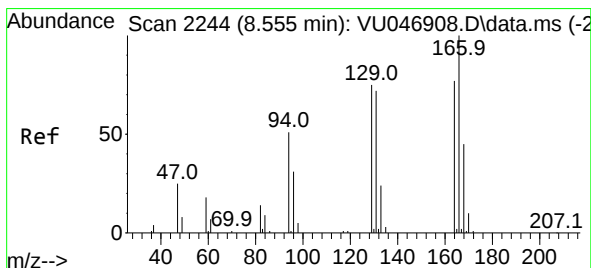
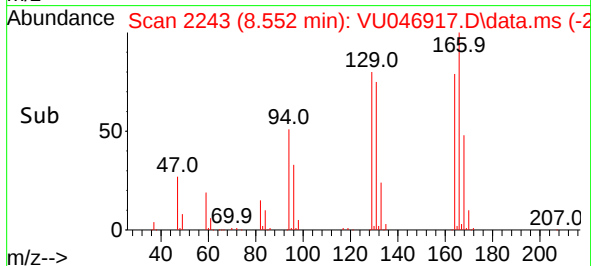
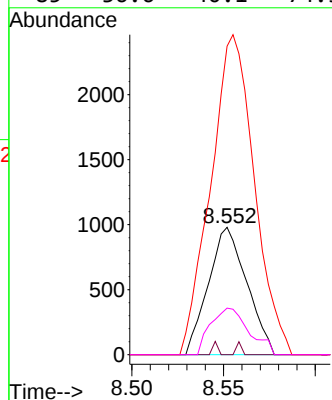


#45
1,1,2-Trichloroethane
Concen: 0.237 ug/L
RT: 8.552 min Scan# 2197
Delta R.T. 0.148 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

Instrument :
MSVOA_U
ClientSampleId :

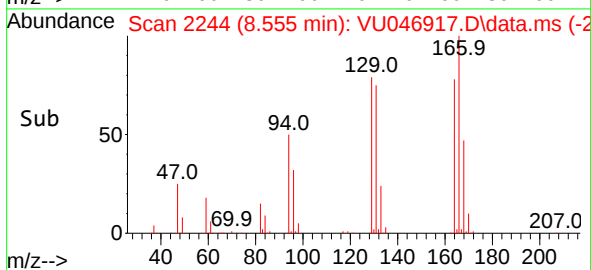
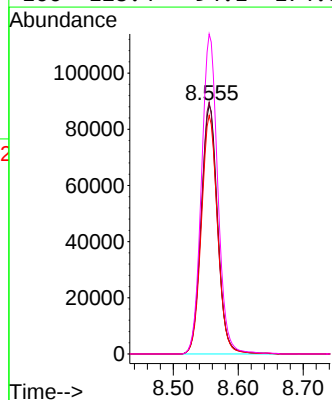
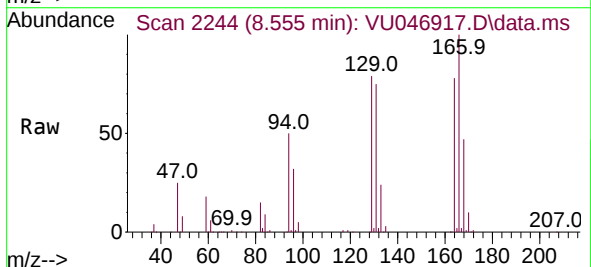


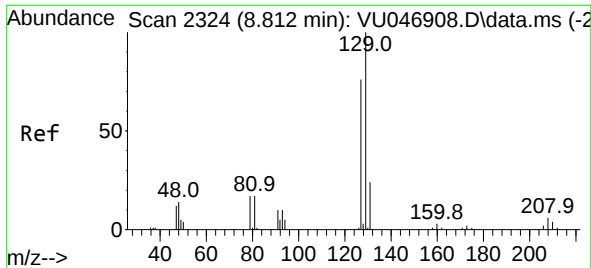
Tgt Ion: 97	Resp: 1425
Ion Ratio	Lower Upper
97	100
99	0.0 42.3 78.5#
83	242.3 62.0 115.2#
85	36.6 40.1 74.5#



#47
Tetrachloroethene
Concen: 25.626 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

Tgt Ion: 164	Resp: 156050
Ion Ratio	Lower Upper
164	100
129	101.1 71.8 133.4
131	95.8 68.5 127.3
166	128.4 94.1 174.8

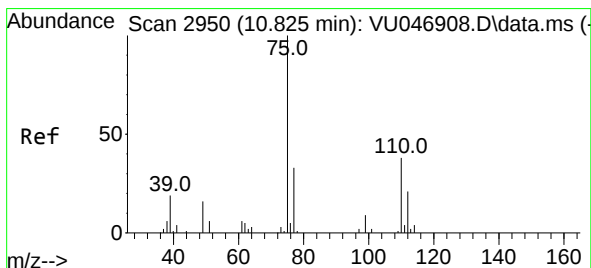
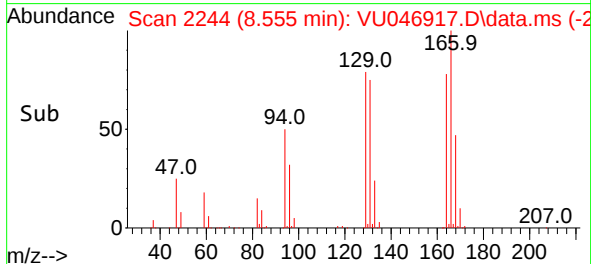
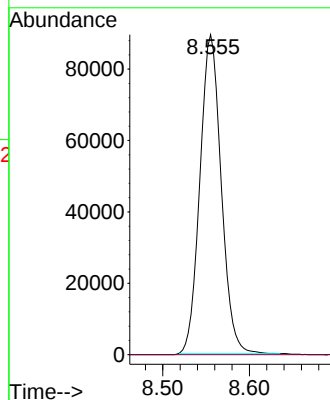
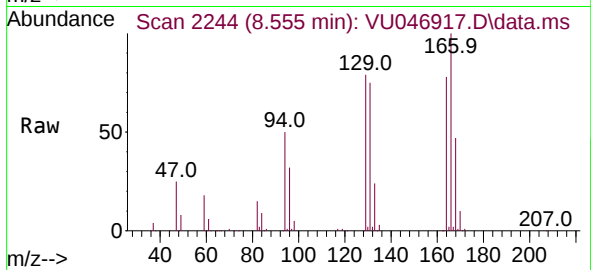




#49
Dibromochloromethane
Concen: 21.474 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 152457
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.594 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046917.D
Acq: 31 Jan 2022 15:01

Tgt Ion: 75 Resp: 6856
Ion Ratio Lower Upper
75 100
110 0.0 29.9 44.9#
77 31.8 25.5 38.3

