

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013122\
 Data File : VU046930.D
 Acq On : 31 Jan 2022 20:19
 Operator : SY/MD
 Sample : N1273-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 00:29:38 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	103916	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	118187	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48861	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	53170	6.038	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 120.800%		
7) Chloroethane-d5	1.919	69	41509	5.983	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 119.600%		
11) 1,1-Dichloroethene-d2	2.575	65	19774	5.645	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 113.000%		
20) 2-Butanone-d5	4.639	46	132419	50.762	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	= 101.520%		
24) Chloroform-d	5.067	84	80288	5.194	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 103.800%		
26) 1,2-Dichloroethane-d4	5.707	65	44850	5.328	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 106.600%		
32) Benzene-d6	5.732	84	162464	4.677	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 93.600%		
36) 1,2-Dichloropropane-d6	6.694	67	52327	5.017	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 100.400%		
41) Toluene-d8	7.899	98	130053	4.091	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 81.800%		
43) trans-1,3-Dichloroprop...	8.179	79	18725	4.088	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 81.800%		
46) 2-Hexanone-d5	8.636	63	120793	44.541	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 89.080%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	44928	4.291	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 85.800%		
66) 1,2-Dichlorobenzene-d4	12.192	152	47202	5.151	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 103.000%		
Target Compounds						
						Qvalue
3) Chloromethane	1.527	50	2996	0.372	ug/L	98
5) Vinyl chloride	1.610	62	1579	0.188	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	582	0.096	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	39748	6.850	ug/L	89
18) trans-1,2-Dichloroethene	3.363	96	2312	0.368	ug/L	93
19) 1,1-Dichloroethane	3.877	63	54758	5.190	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	399442	60.251	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	19519	1.834	ug/L	98
31) Carbon tetrachloride	5.321	117	2352	0.258	ug/L	99
34) Trichloroethene	6.546	95	162628	22.510	ug/L	98
35) Methylcyclohexane	6.694	83	11873	0.981	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	5498	0.805	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	1118	0.105	ug/L #	51
45) 1,1,2-Trichloroethane	8.401	97	738	0.127	ug/L	93
47) Tetrachloroethene	8.555	164	1065832	181.393	ug/L	98
49) Dibromochloromethane	8.555	129	1068862	156.028	ug/L #	10
51) Chlorobenzene	9.449	112	3669	0.190	ug/L	96
61) 1,2,3-Trichloropropane	11.812	75	6596	1.593	ug/L #	68

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 01 00:23:47 2022
Response via : Initial Calibration

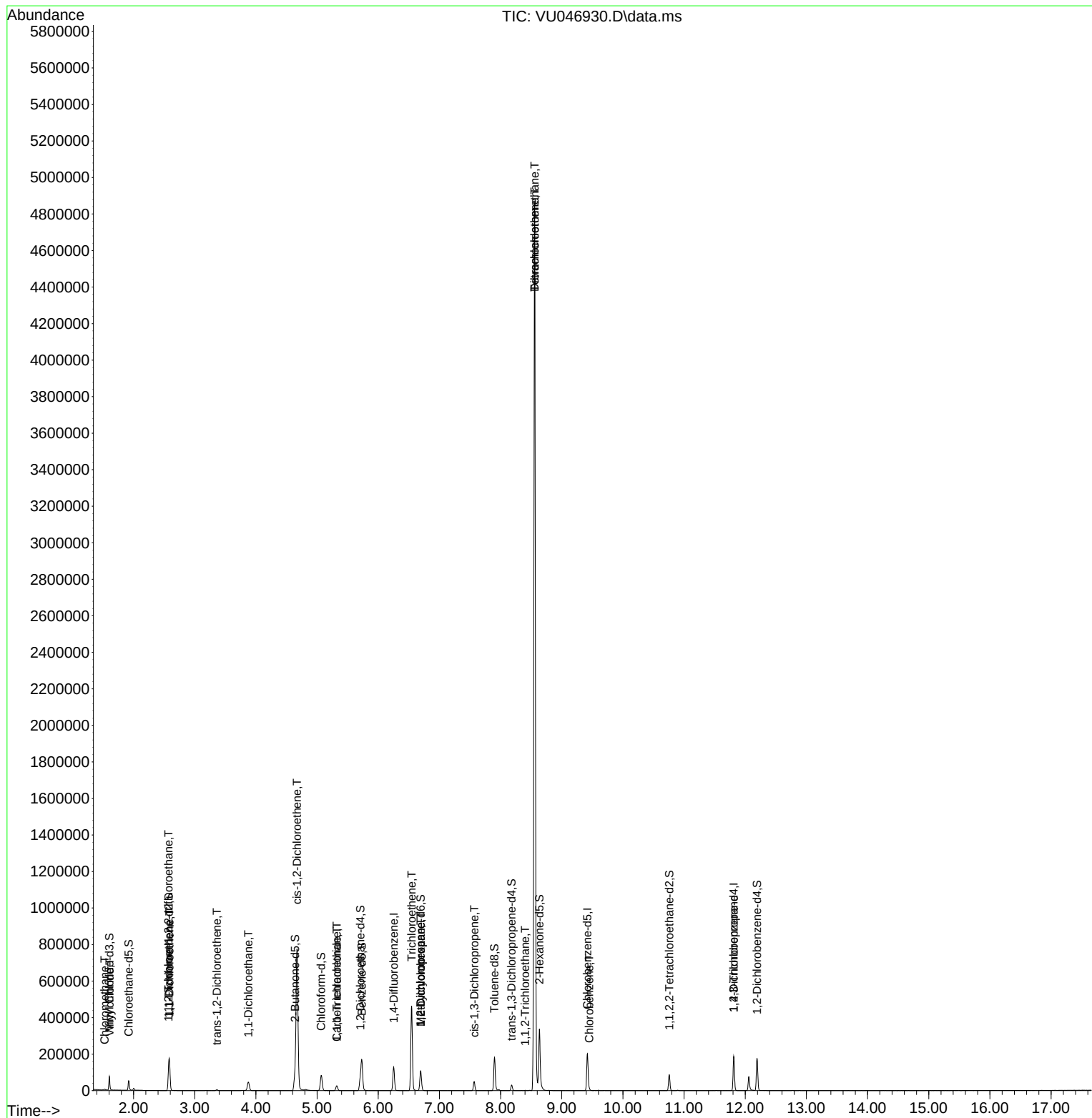
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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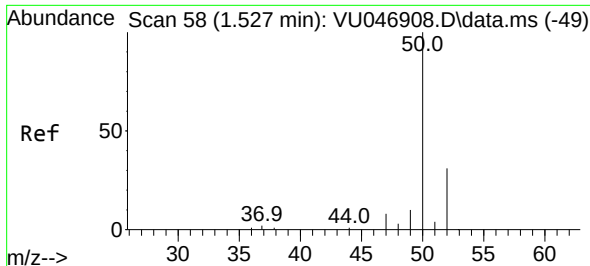
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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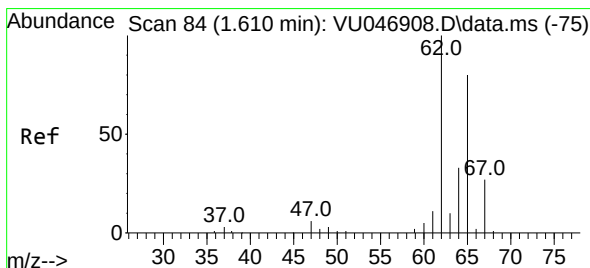
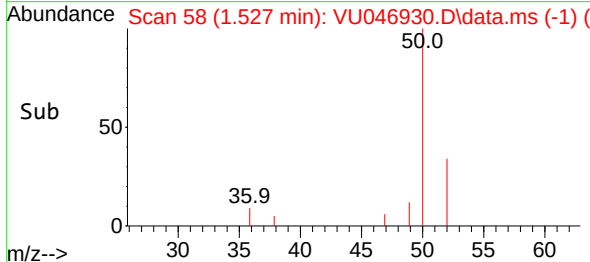
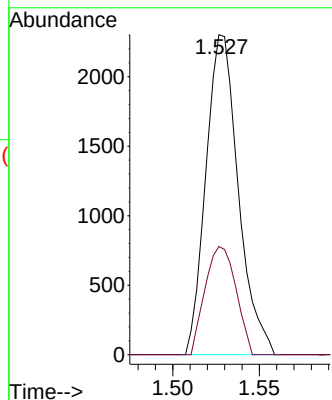
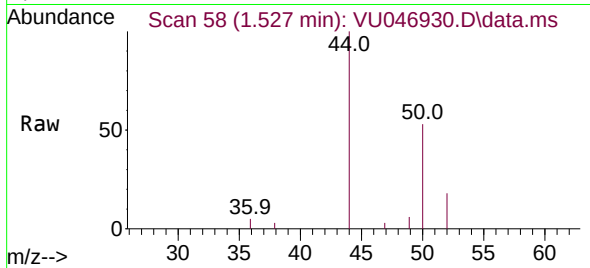




#3
Chloromethane
Concen: 0.372 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.000 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

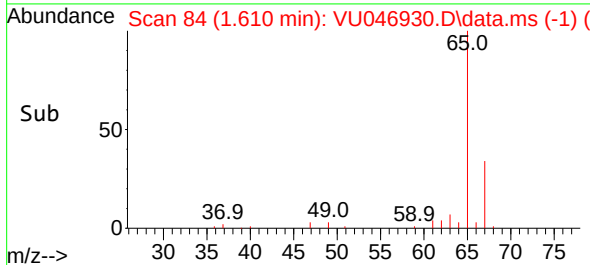
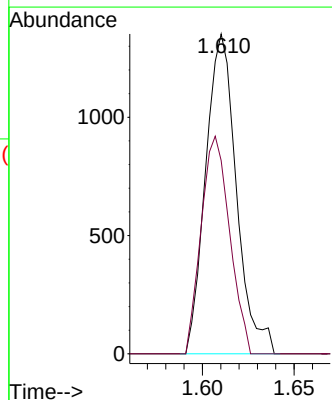
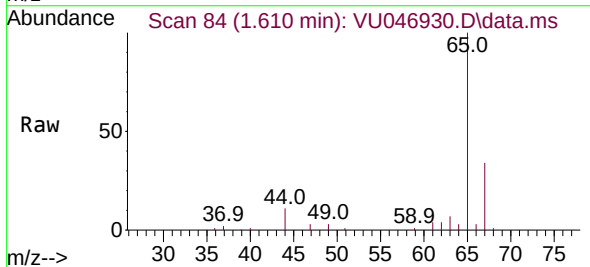
Instrument :
MSVOA_U
ClientSampleId :

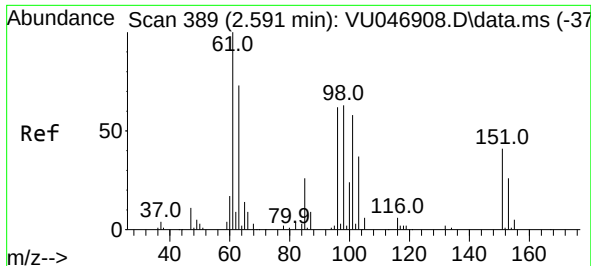
Tgt Ion: 50 Resp: 2996
Ion Ratio Lower Upper
50 100
52 33.8 23.0 42.8



#5
Vinyl chloride
Concen: 0.188 ug/L
RT: 1.610 min Scan# 84
Delta R.T. 0.000 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

Tgt Ion: 62 Resp: 1579
Ion Ratio Lower Upper
62 100
64 60.4 22.9 42.5

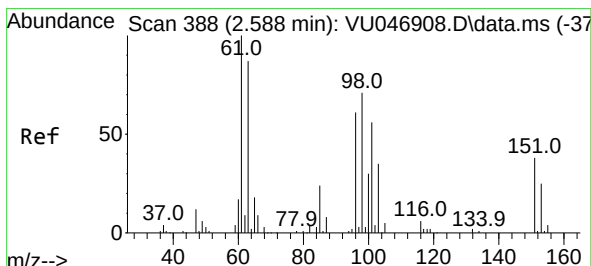
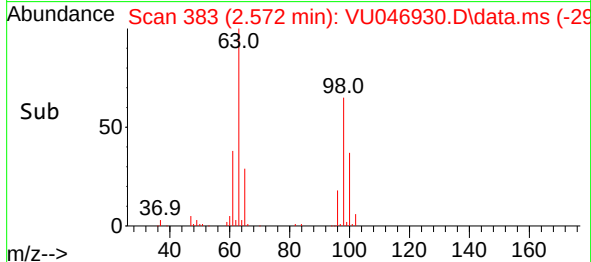
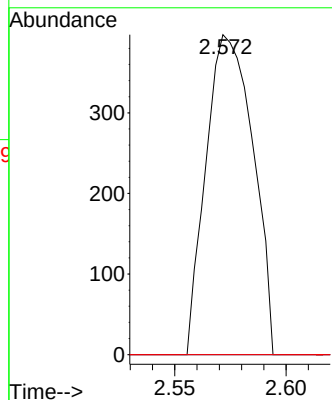
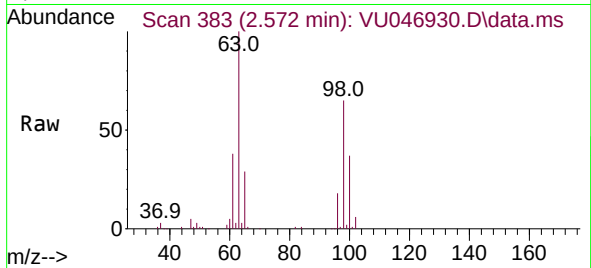




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.096 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.019 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

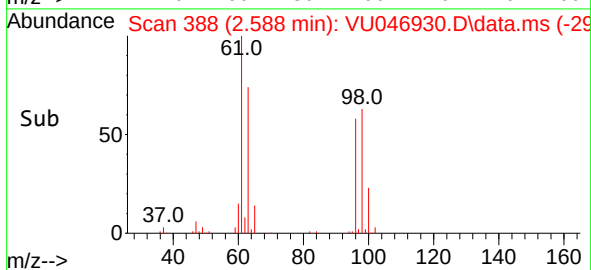
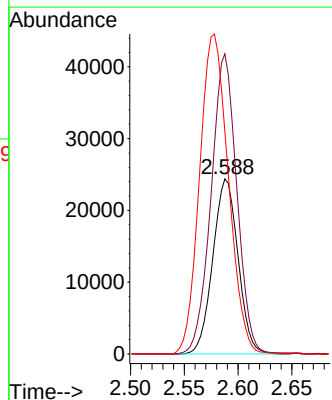
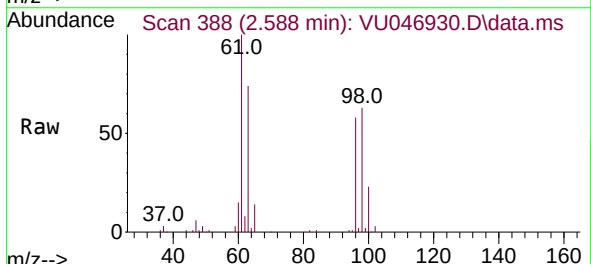
Instrument :
MSVOA_U
ClientSampleId :

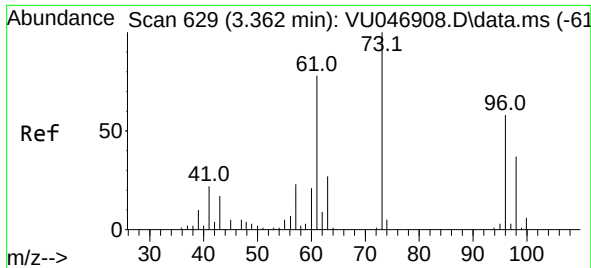
Tgt Ion:101 Resp: 582
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#



#12
1,1-Dichloroethene
Concen: 6.850 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

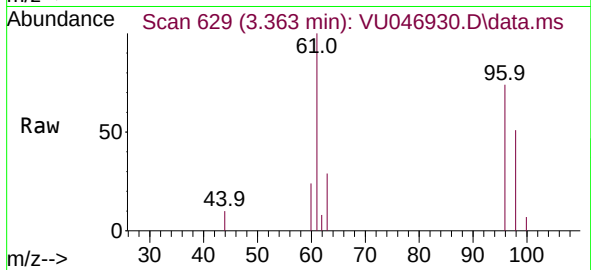
Tgt Ion: 96 Resp: 39748
Ion Ratio Lower Upper
96 100
61 171.4 124.7 231.5
63 127.2 105.2 195.4





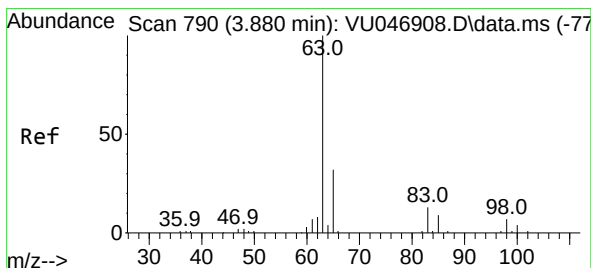
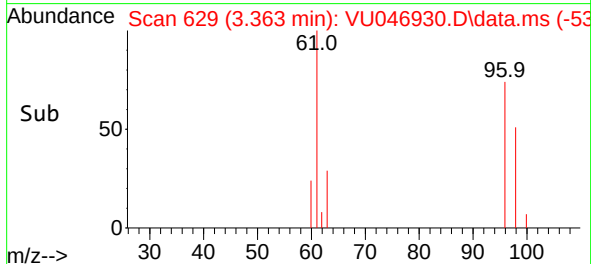
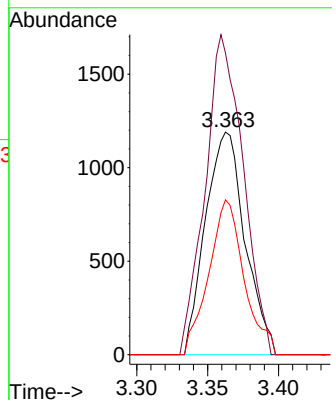
#18
trans-1,2-Dichloroethene
Concen: 0.368 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 2312

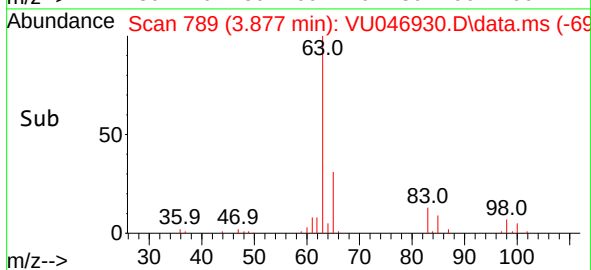
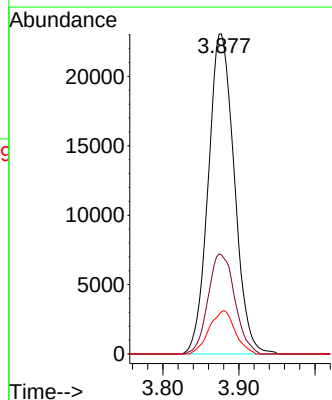
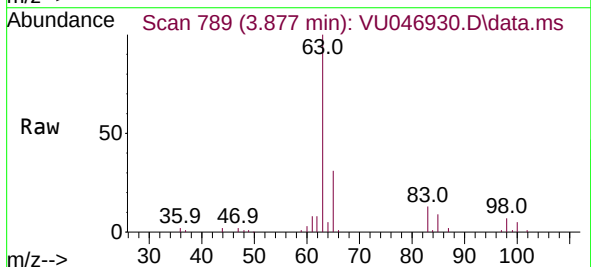
Ion	Ratio	Lower	Upper
96	100		
61	135.5	100.8	187.2
98	69.6	45.1	83.7

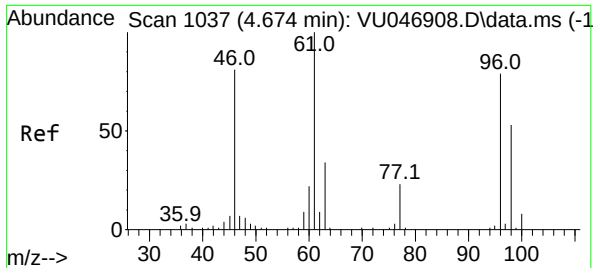


#19
1,1-Dichloroethane
Concen: 5.190 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.003 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

Tgt Ion: 63 Resp: 54758

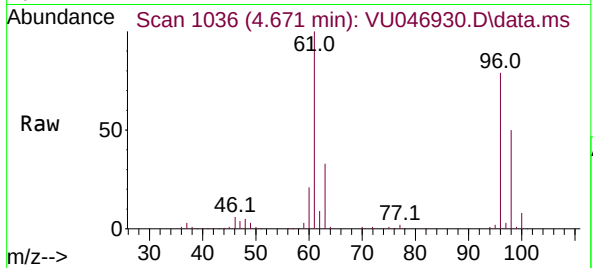
Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.3	41.5
83	13.2	9.6	17.8





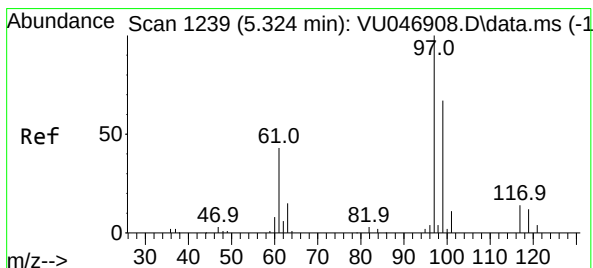
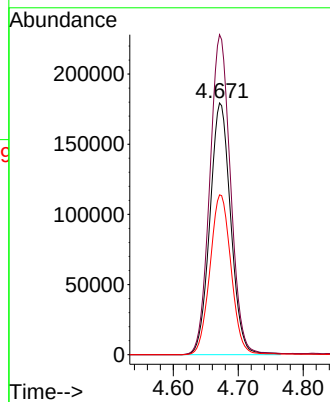
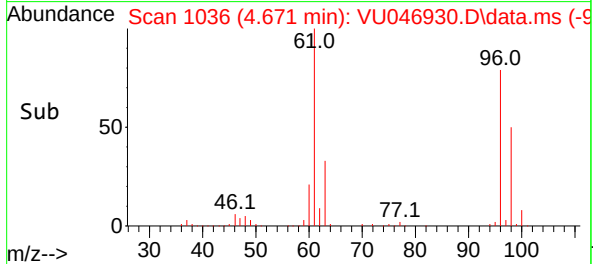
#22
 cis-1,2-Dichloroethene
 Concen: 60.251 ug/L
 RT: 4.671 min Scan# 1037
 Delta R.T. -0.003 min
 Lab File: VU046930.D
 Acq: 31 Jan 2022 20:19

Instrument :
 MSVOA_U
 ClientSampleId :

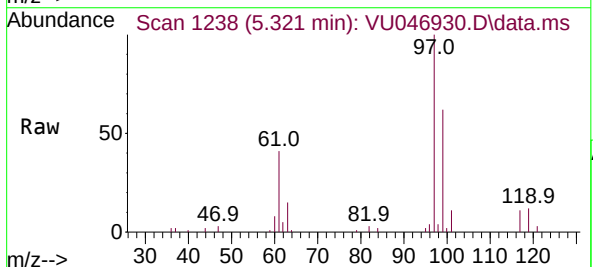


Tgt Ion: 96 Resp: 399442

Ion	Ratio	Lower	Upper
96	100		
61	127.1	88.5	164.3
98	63.5	44.4	82.5

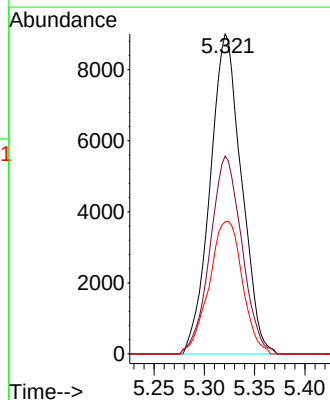
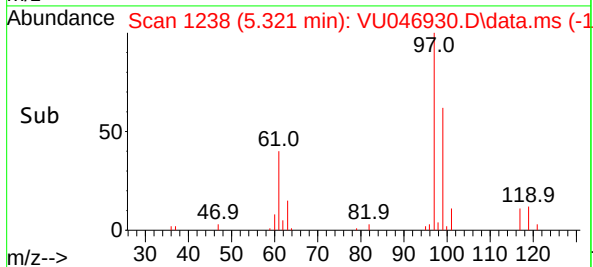


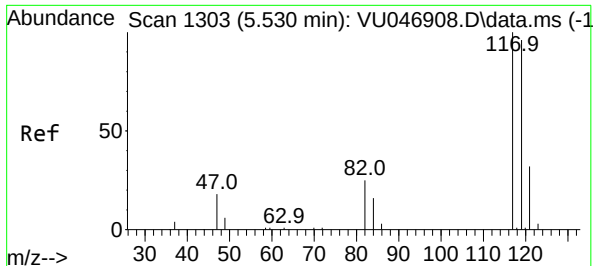
#29
 1,1,1-Trichloroethane
 Concen: 1.834 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.003 min
 Lab File: VU046930.D
 Acq: 31 Jan 2022 20:19



Tgt Ion: 97 Resp: 19519

Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.3	76.9
61	44.0	36.1	54.1

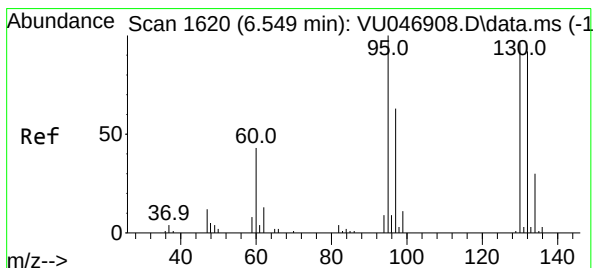
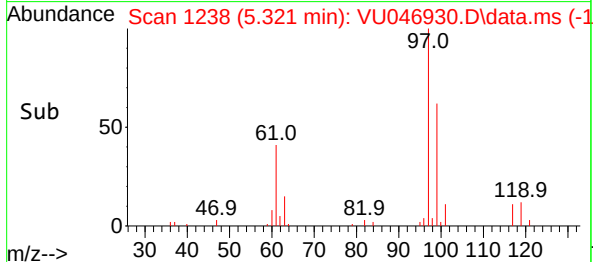
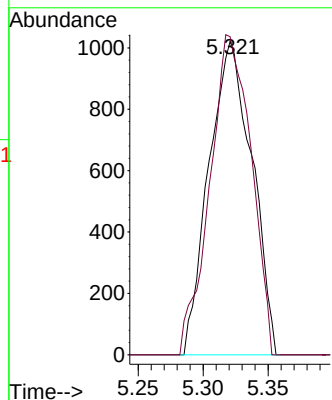
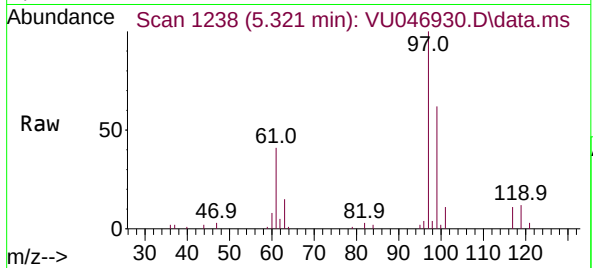




#31
Carbon tetrachloride
Concen: 0.258 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

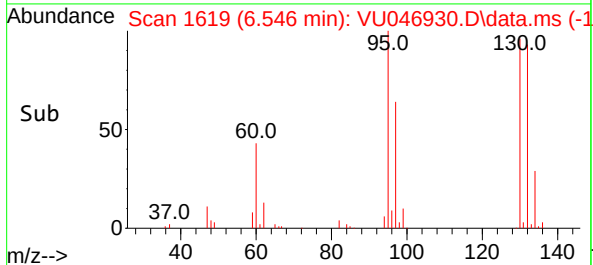
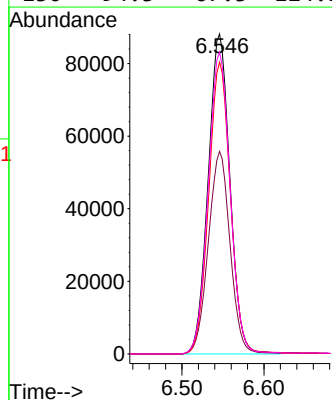
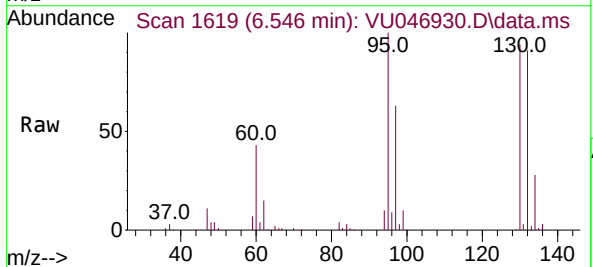
Instrument :
MSVOA_U
ClientSampleId :

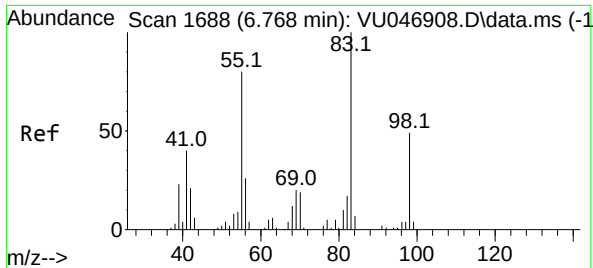
Tgt Ion:117 Resp: 2352
Ion Ratio Lower Upper
117 100
119 97.8 77.5 116.3



#34
Trichloroethene
Concen: 22.510 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

Tgt Ion: 95 Resp: 162628
Ion Ratio Lower Upper
95 100
97 63.3 46.5 86.5
132 91.2 65.1 120.9
130 94.3 67.3 124.9

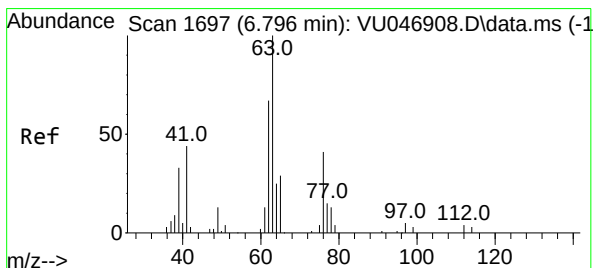
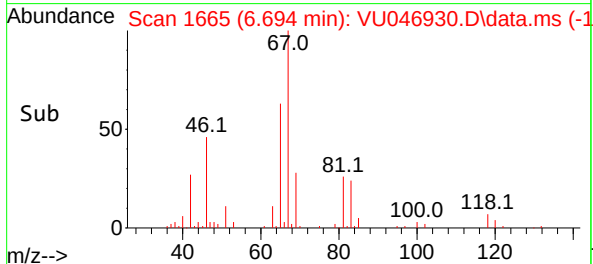
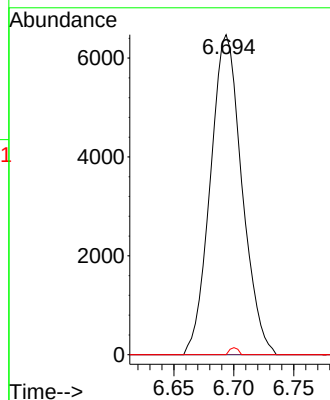
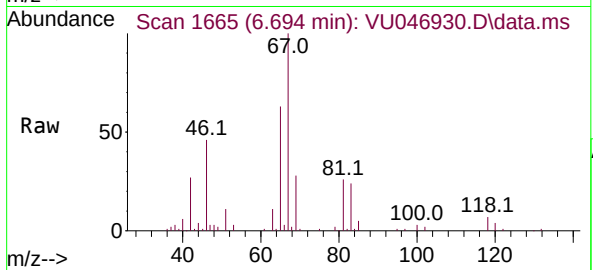




#35
Methylcyclohexane
Concen: 0.981 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

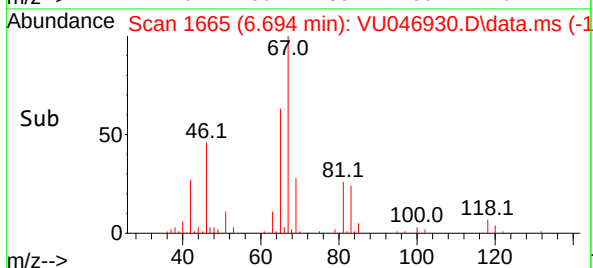
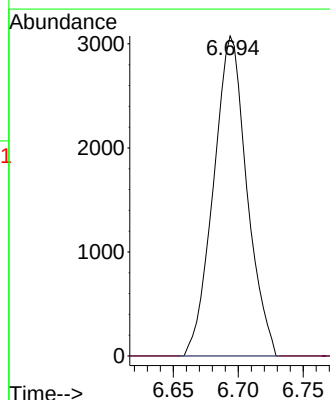
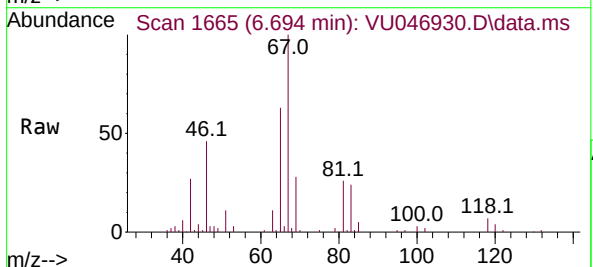
Instrument :
MSVOA_U
ClientSampleId :

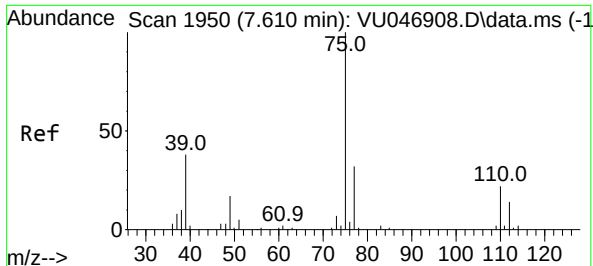
Tgt Ion: 83 Resp: 11873
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.805 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

Tgt Ion: 63 Resp: 5498
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.039 min

Lab File: VU046930.D

Acq: 31 Jan 2022 20:19

Instrument :

MSVOA_U

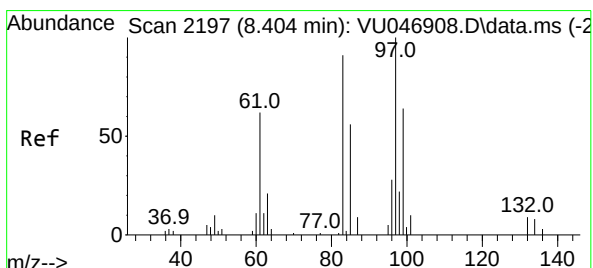
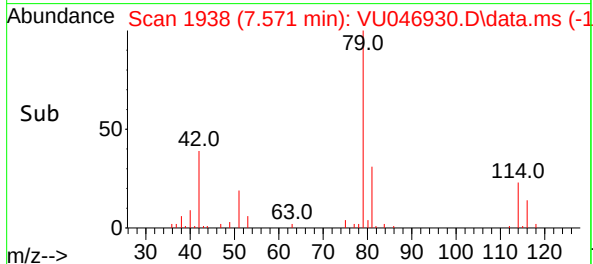
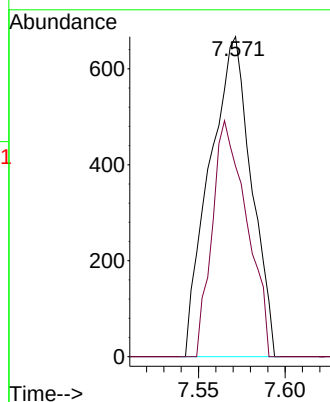
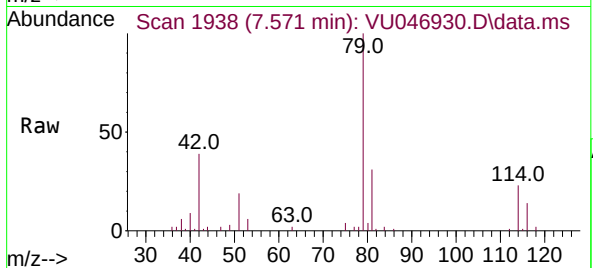
ClientSampleId :

Tgt Ion: 75 Resp: 1118

Ion Ratio Lower Upper

75 100

77 59.5 22.5 41.9#



#45

1,1,2-Trichloroethane

Concen: 0.127 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.003 min

Lab File: VU046930.D

Acq: 31 Jan 2022 20:19

Tgt Ion: 97 Resp: 738

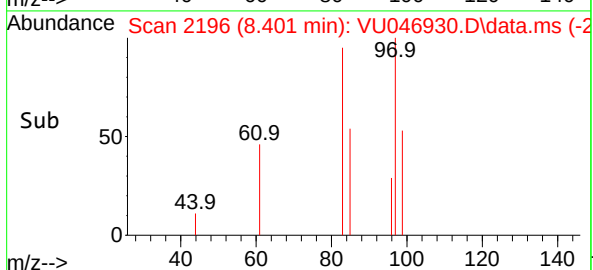
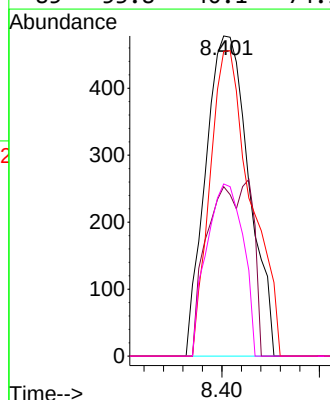
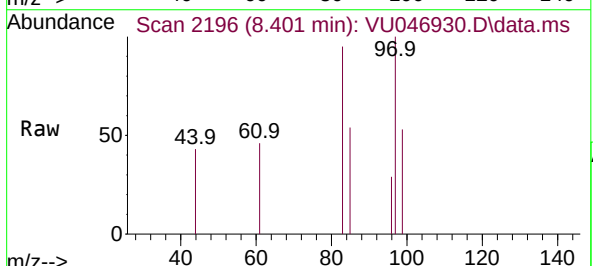
Ion Ratio Lower Upper

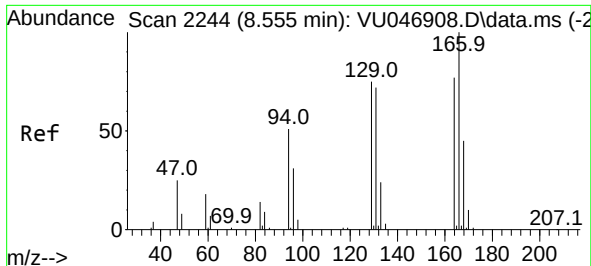
97 100

99 52.9 42.3 78.5

83 95.2 62.0 115.2

85 53.8 40.1 74.5





#47

Tetrachloroethene

Concen: 181.393 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

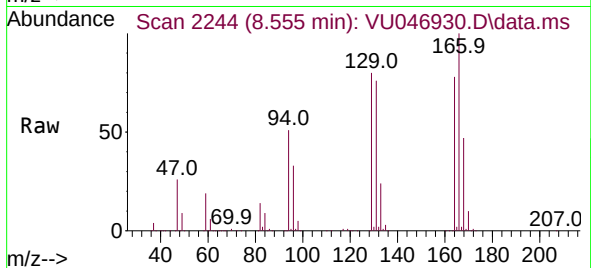
Lab File: VU046930.D

Acq: 31 Jan 2022 20:19

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 1065832

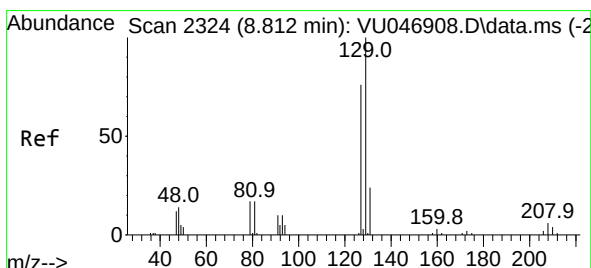
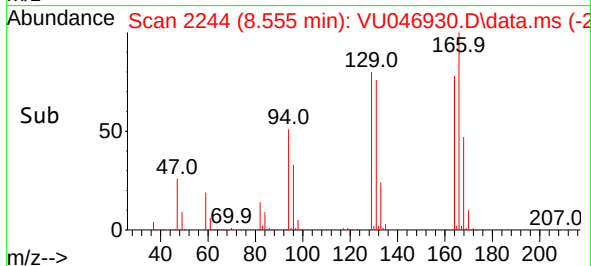
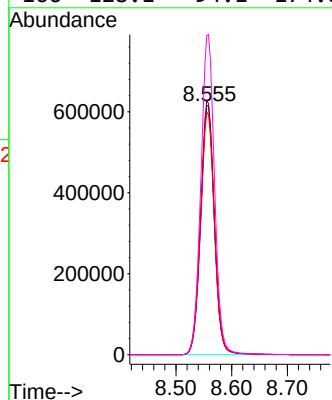
Ion Ratio Lower Upper

164 100

129 102.1 71.8 133.4

131 97.3 68.5 127.3

166 128.1 94.1 174.8



#49

Dibromochloromethane

Concen: 156.028 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU046930.D

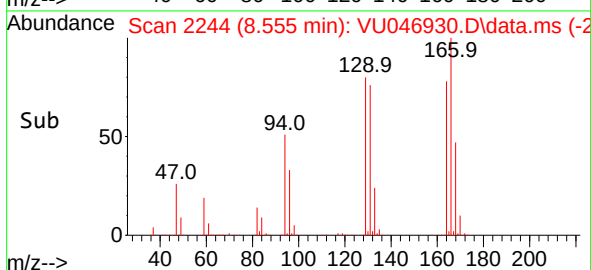
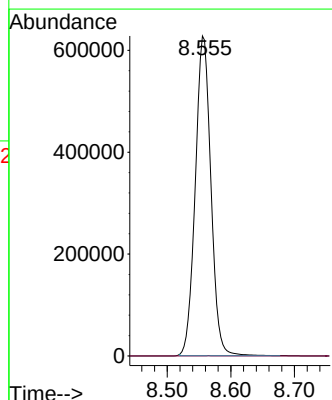
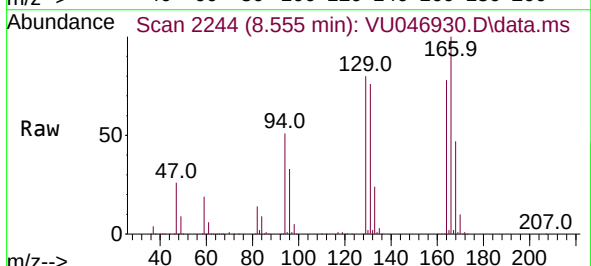
Acq: 31 Jan 2022 20:19

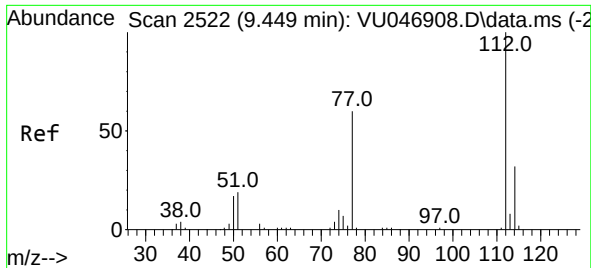
Tgt Ion:129 Resp: 1068862

Ion Ratio Lower Upper

129 100

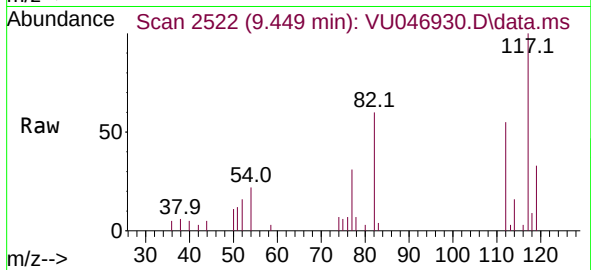
127 0.0 55.4 102.8#



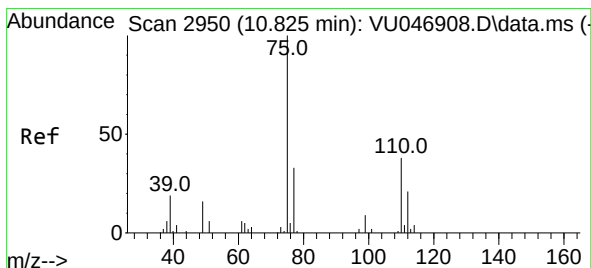
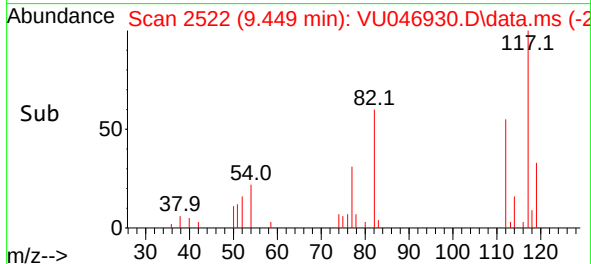
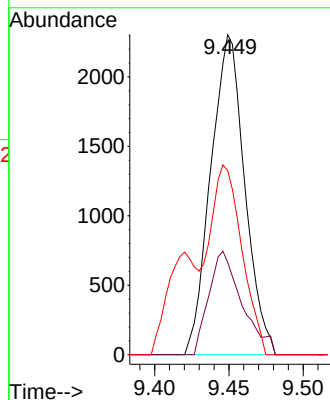


#51
Chlorobenzene
Concen: 0.190 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	112	Resp:	3669
Ion Ratio	Lower	Upper	
112	100		
114	28.9	22.1	41.1
77	57.5	48.3	72.5



#61
1,2,3-Trichloropropane
Concen: 1.593 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046930.D
Acq: 31 Jan 2022 20:19

Tgt Ion:	75	Resp:	6596
Ion Ratio	Lower	Upper	
75	100		
110	2.2	29.9	44.9#
77	32.2	25.5	38.3

