

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
 Data File : VU046880.D
 Acq On : 27 Jan 2022 19:27
 Operator : SY/MD
 Sample : N1273-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COHK6

Quant Time: Jan 28 01:02:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 28 00:56:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	101939	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	110757	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	51906	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	30778	3.563	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.200%
7) Chloroethane-d5	1.919	69	29866	4.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.575	65	13968	4.065	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	4.642	46	120012	46.898	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.800%
24) Chloroform-d	5.067	84	69117	4.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.703	65	39440	4.776	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
32) Benzene-d6	5.732	84	136354	4.189	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	6.694	67	45003	4.605	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.899	98	109559	3.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
43) trans-1,3-Dichloroprop...	8.182	79	15086	3.515	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.200%
46) 2-Hexanone-d5	8.636	63	109661	43.148	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.300%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40345	4.112	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	43983	4.518	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.530	50	1853	0.235	ug/L	97
5) Vinyl chloride	1.610	62	6769	0.823	ug/L #	26
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	688	0.116	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	158177	27.789	ug/L #	62
18) trans-1,2-Dichloroethene	3.359	96	5205	0.844	ug/L	95
19) 1,1-Dichloroethane	3.874	63	70270	6.789	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	1099124	169.005	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	120317	12.061	ug/L	98
31) Carbon tetrachloride	5.324	117	15485	1.809	ug/L	99
33) Benzene	5.780	78	3474	0.133	ug/L	100
34) Trichloroethene	6.546	95	852474	125.912	ug/L	98
35) Methylcyclohexane	6.694	83	10411	0.918	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	4489	0.702	ug/L #	88
39) cis-1,3-Dichloropropene	7.562	75	928	0.093	ug/L #	52
45) 1,1,2-Trichloroethane	8.401	97	836	0.154	ug/L	91
47) Tetrachloroethene	8.559	164	3020820	548.601	ug/L	97
49) Dibromochloromethane	8.559	129	3061715	476.918	ug/L #	10
51) Chlorobenzene	9.449	112	37394	2.066	ug/L	96
61) 1,2,3-Trichloropropane	11.812	75	7377	1.677	ug/L #	65

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QLast Update : Fri Jan 28 00:56:24 2022
Response via : Initial Calibration

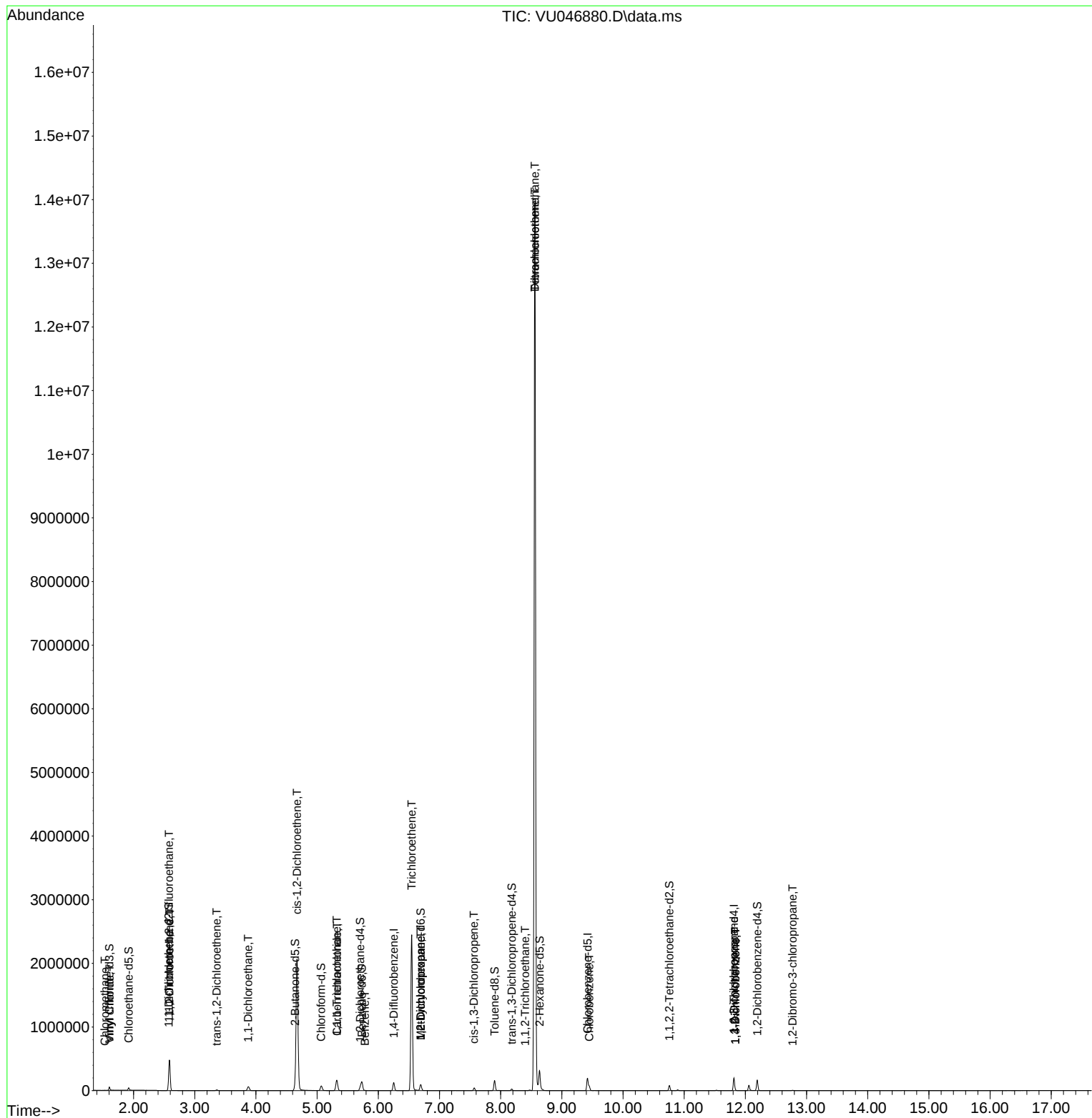
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.835	146	3993	0.330	ug/L	91
65) 1,4-Dichlorobenzene	11.835	146	3993	0.328	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.771	75	178	0.195	ug/L #	7

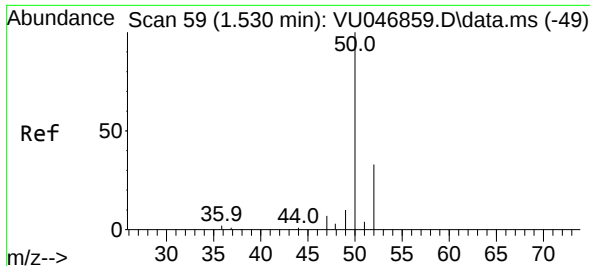
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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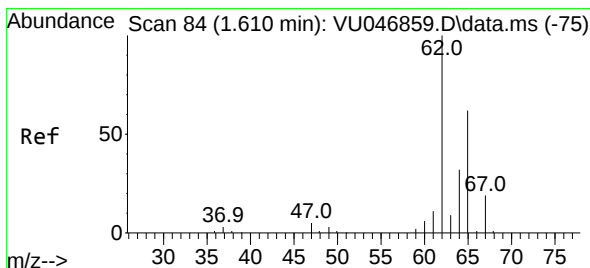
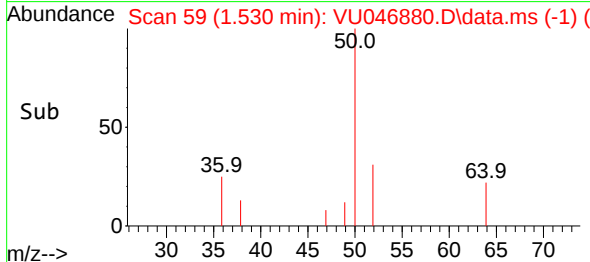
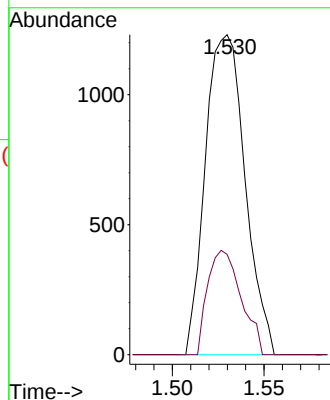
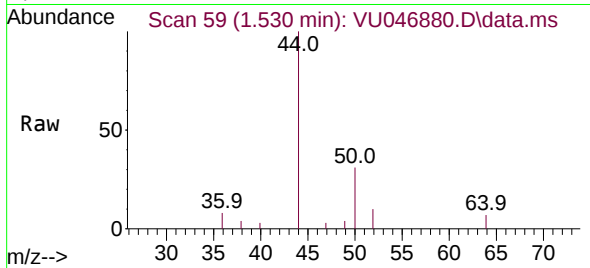




#3
Chloromethane
Concen: 0.235 ug/L
RT: 1.530 min Scan# 59
Delta R.T. -0.000 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

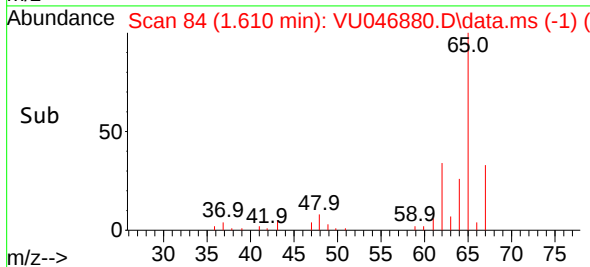
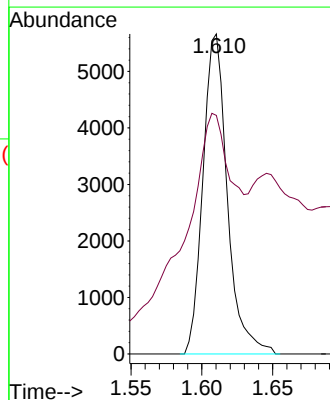
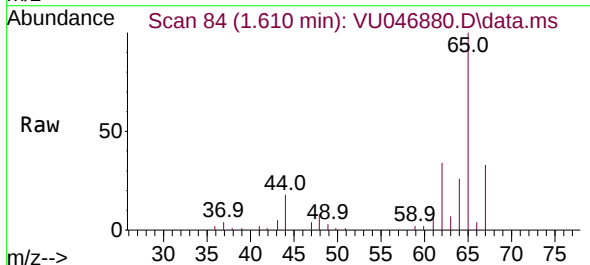
Instrument :
MSVOA_U
ClientSampleId :
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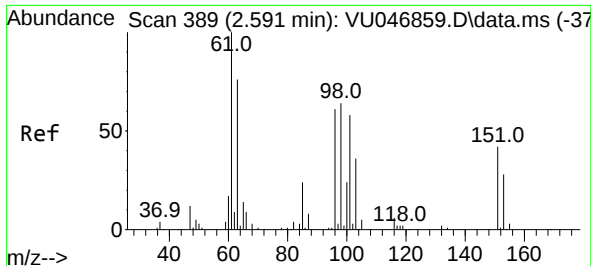
Tgt Ion: 50 Resp: 1853
Ion Ratio Lower Upper
50 100
52 31.4 23.0 42.8



#5
Vinyl chloride
Concen: 0.823 ug/L
RT: 1.610 min Scan# 84
Delta R.T. -0.000 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

Tgt Ion: 62 Resp: 6769
Ion Ratio Lower Upper
62 100
64 74.6 22.9 42.5#

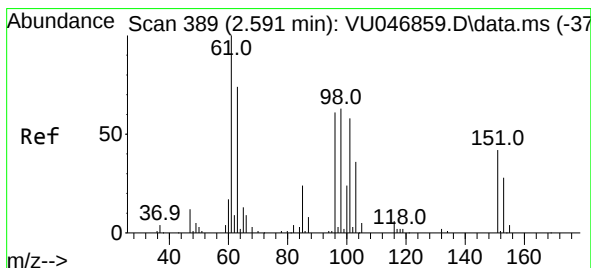
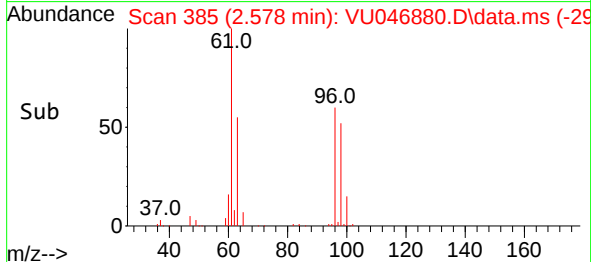
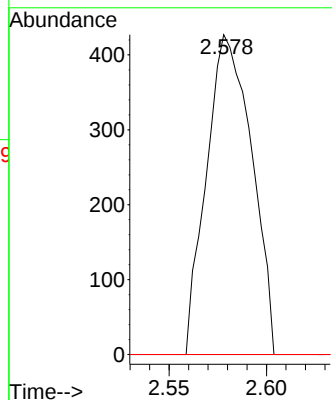
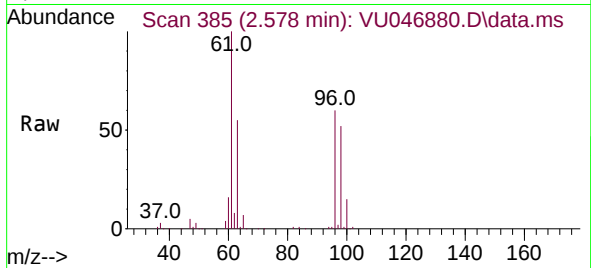




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.116 ug/L
 RT: 2.578 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VU046880.D
 Acq: 27 Jan 2022 19:27

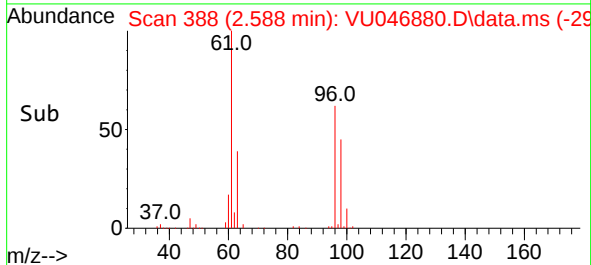
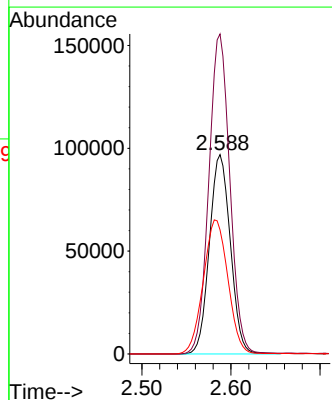
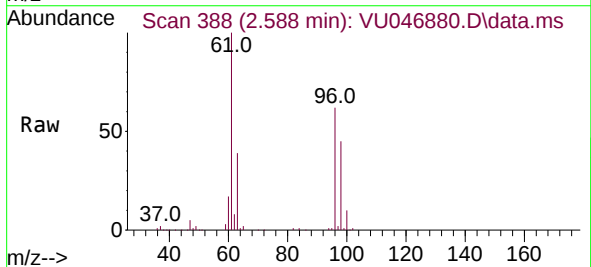
Instrument :
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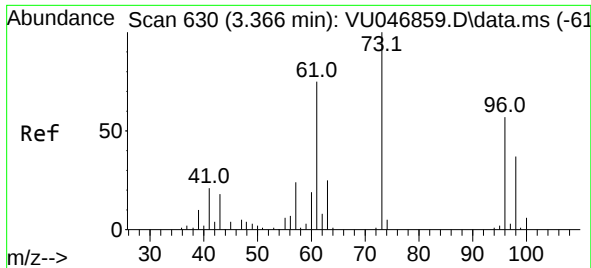
Tgt Ion:101 Resp: 688
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#



#12
 1,1-Dichloroethene
 Concen: 27.789 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.003 min
 Lab File: VU046880.D
 Acq: 27 Jan 2022 19:27

Tgt Ion: 96 Resp: 158177
 Ion Ratio Lower Upper
 96 100
 61 160.6 124.7 231.5
 63 62.2 105.2 195.4#

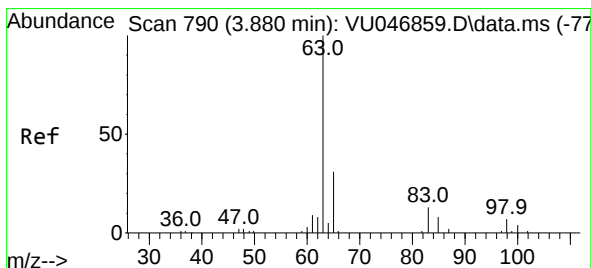
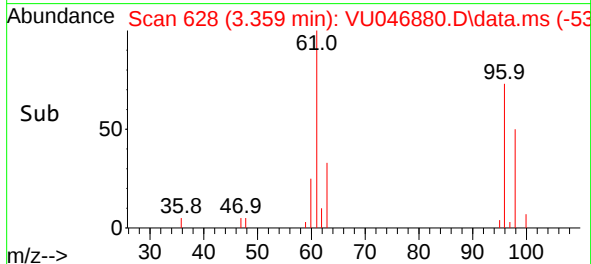
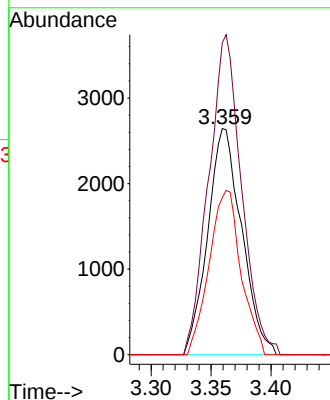
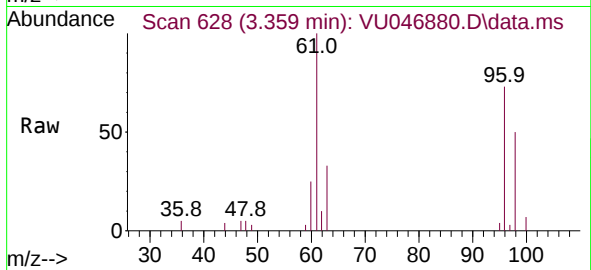




#18
trans-1,2-Dichloroethene
Concen: 0.844 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

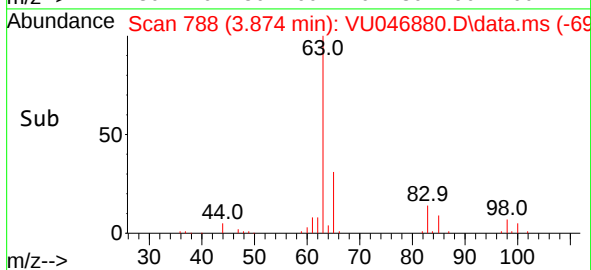
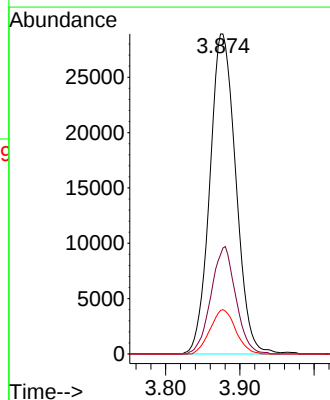
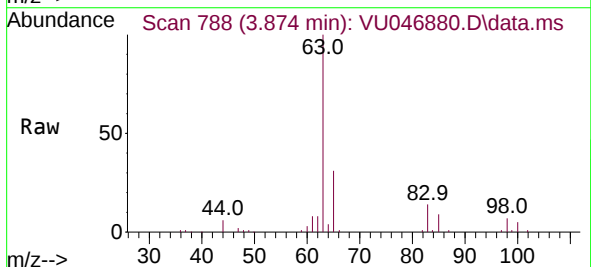
Instrument :
MSVOA_U
ClientSampleId :
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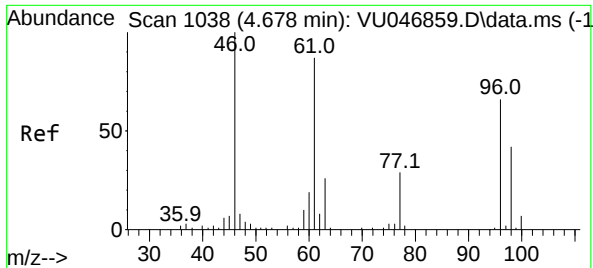
Tgt Ion: 96 Resp: 5205
Ion Ratio Lower Upper
96 100
61 137.9 100.8 187.2
98 69.4 45.1 83.7



#19
1,1-Dichloroethane
Concen: 6.789 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.006 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

Tgt Ion: 63 Resp: 70270
Ion Ratio Lower Upper
63 100
65 31.0 22.3 41.5
83 13.6 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 169.005 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VU046880.D

Acq: 27 Jan 2022 19:27

Instrument :

MSVOA_U

ClientSampleId :

C0HK6

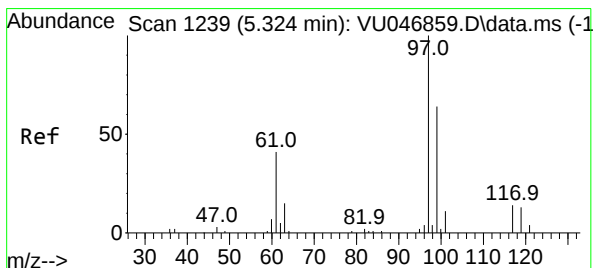
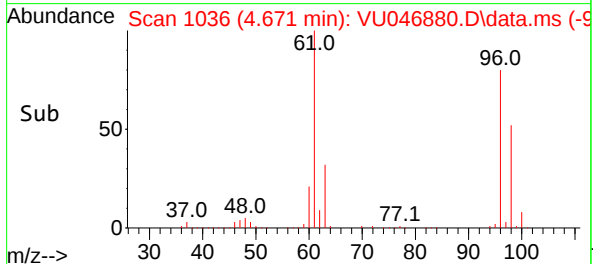
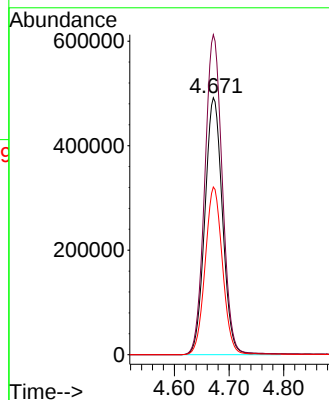
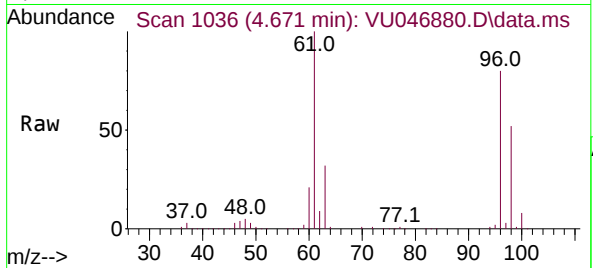
Tgt Ion: 96 Resp: 1099124

Ion Ratio Lower Upper

96 100

61 124.5 88.5 164.3

98 65.2 44.4 82.5



#29

1,1,1-Trichloroethane

Concen: 12.061 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU046880.D

Acq: 27 Jan 2022 19:27

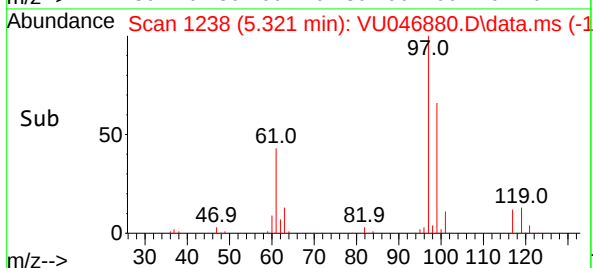
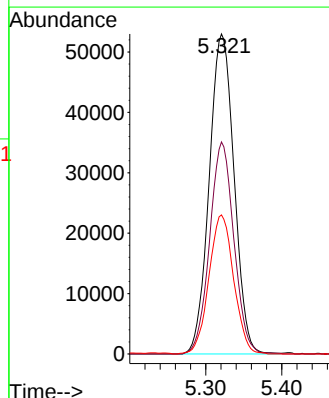
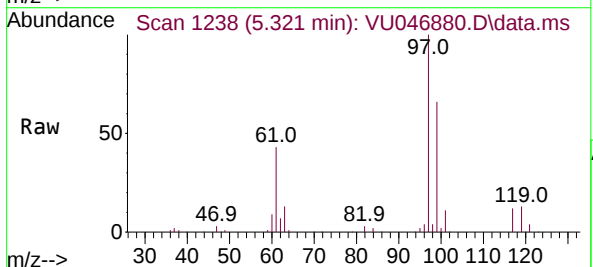
Tgt Ion: 97 Resp: 120317

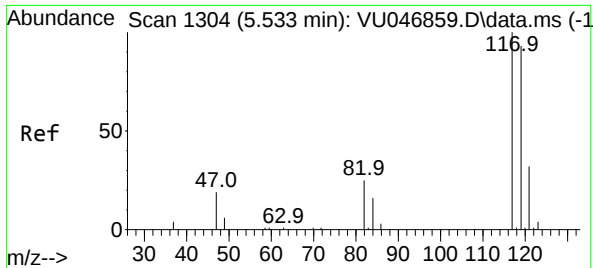
Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

61 43.2 36.1 54.1

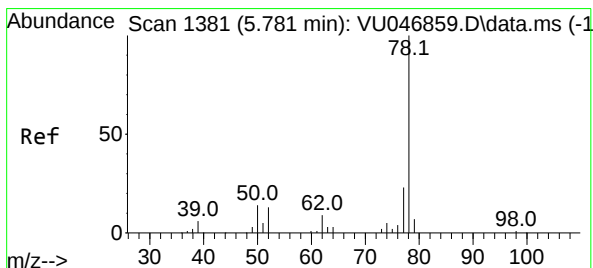
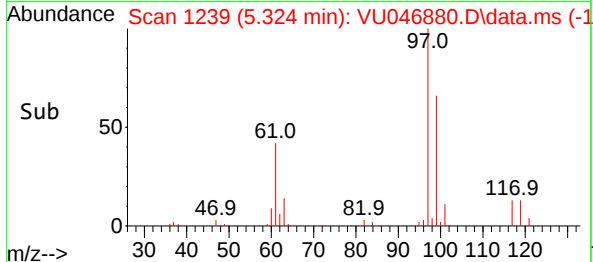
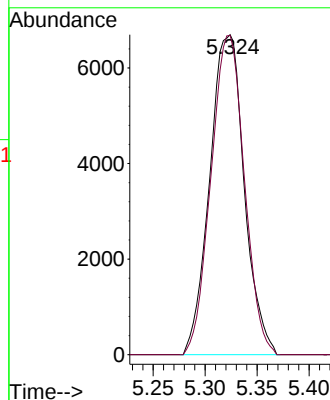
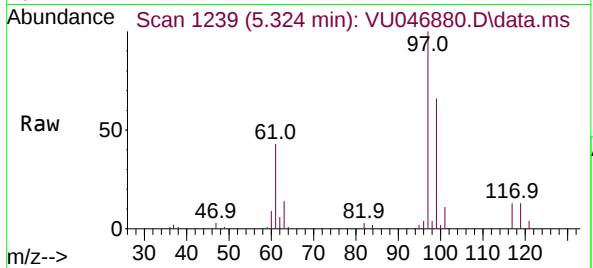




#31
Carbon tetrachloride
Concen: 1.809 ug/L
RT: 5.324 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

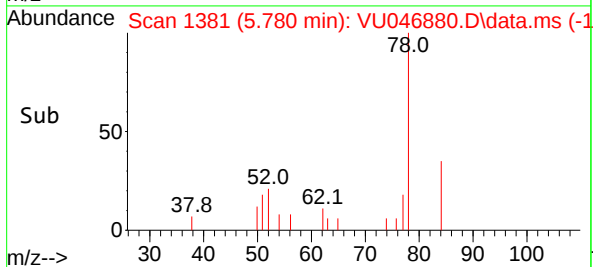
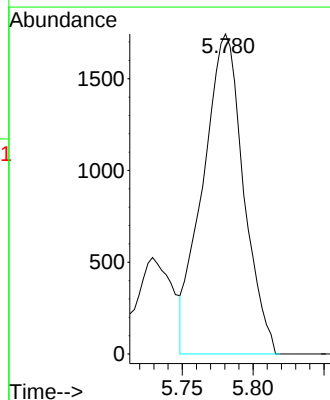
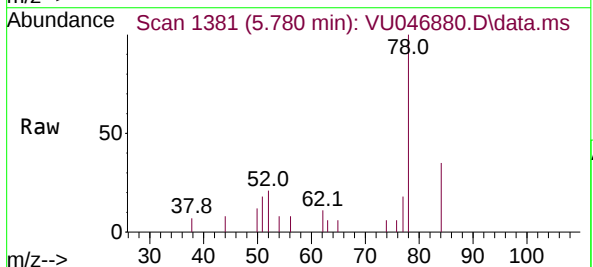
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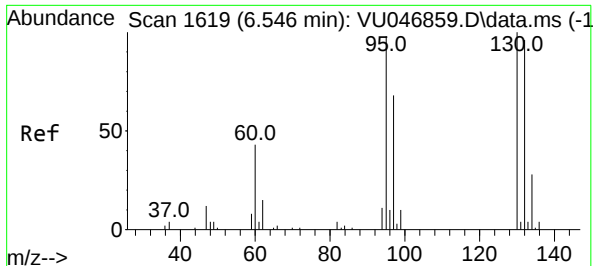
Tgt Ion:117 Resp: 15485
Ion Ratio Lower Upper
117 100
119 96.3 77.5 116.3



#33
Benzene
Concen: 0.133 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

Tgt Ion: 78 Resp: 3474

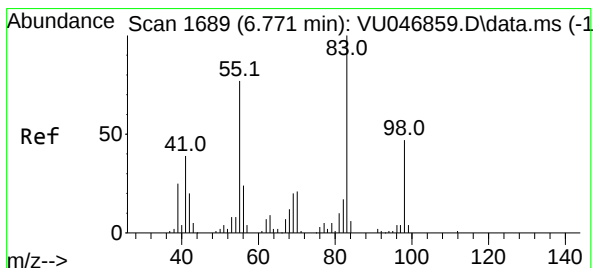
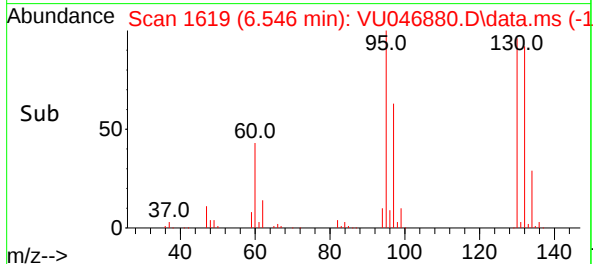
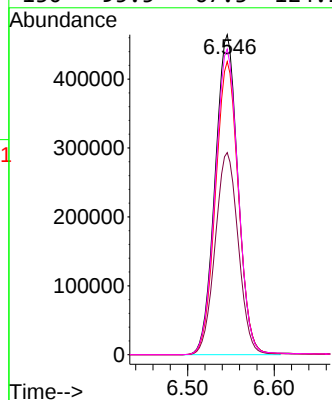
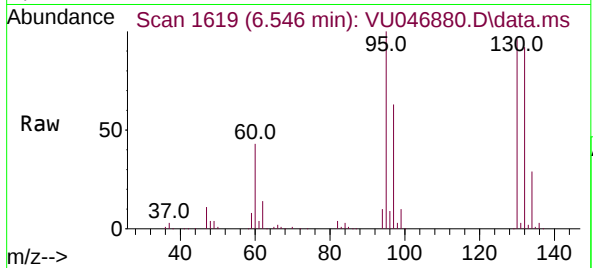




#34
Trichloroethene
Concen: 125.912 ug/L
RT: 6.546 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

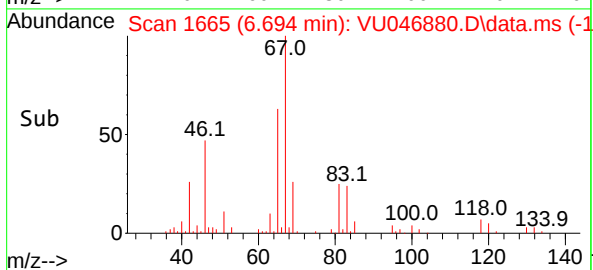
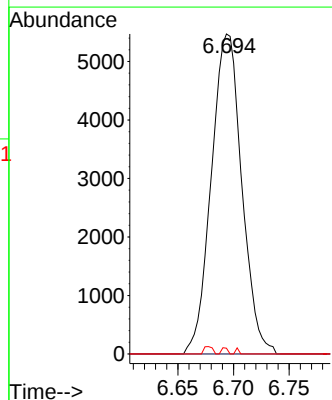
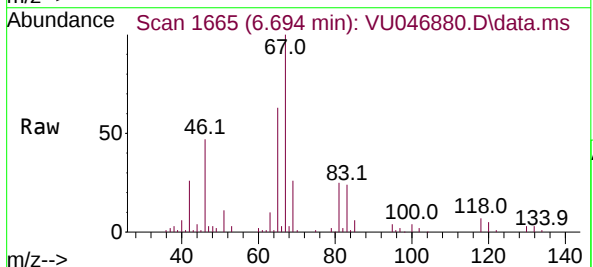
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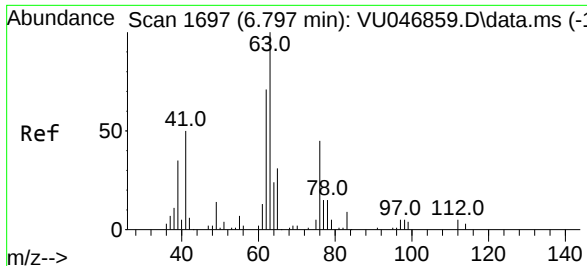
Tgt Ion: 95 Resp: 852474
Ion Ratio Lower Upper
95 100
97 63.1 46.5 86.5
132 91.6 65.1 120.9
130 95.5 67.3 124.9



#35
Methylcyclohexane
Concen: 0.918 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.077 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

Tgt Ion: 83 Resp: 10411
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: 0.702 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046880.D

Acq: 27 Jan 2022 19:27

Instrument :

MSVOA_U

ClientSampleId :

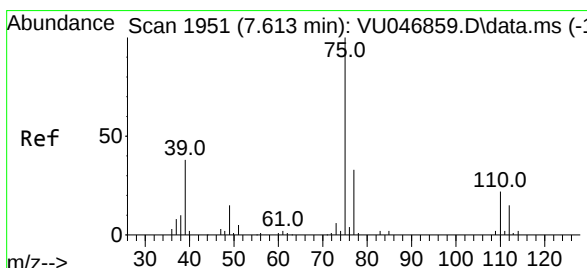
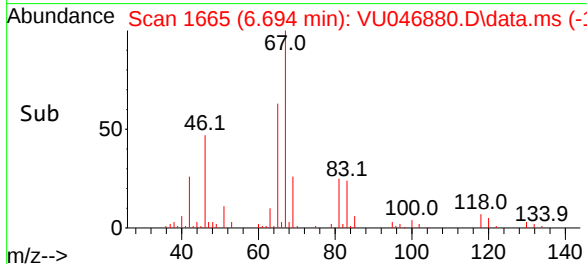
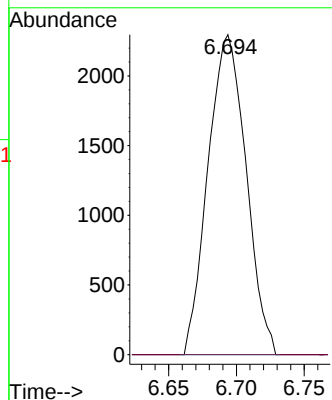
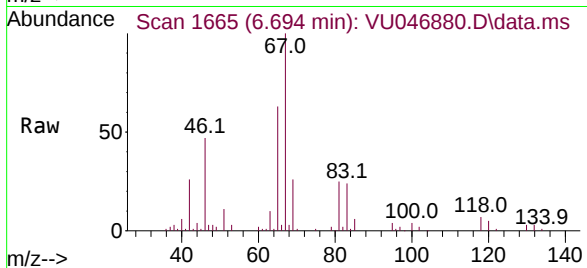
C0HK6

Tgt Ion: 63 Resp: 4489

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.562 min Scan# 1935

Delta R.T. -0.051 min

Lab File: VU046880.D

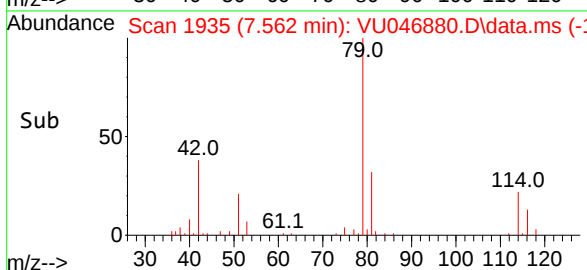
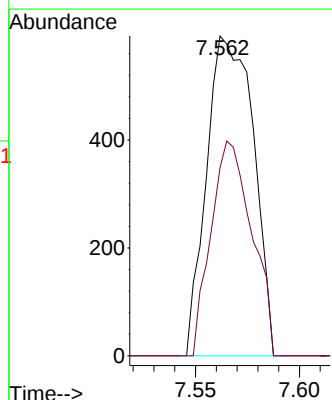
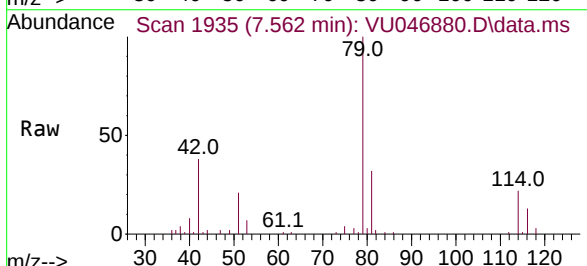
Acq: 27 Jan 2022 19:27

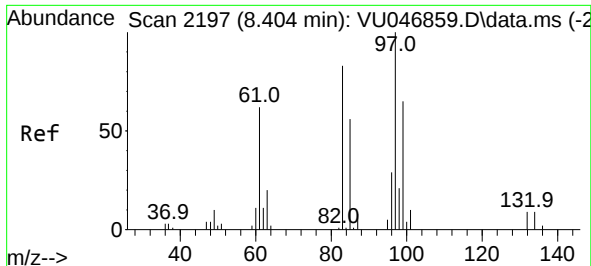
Tgt Ion: 75 Resp: 928

Ion Ratio Lower Upper

75 100

77 58.9 22.5 41.9#



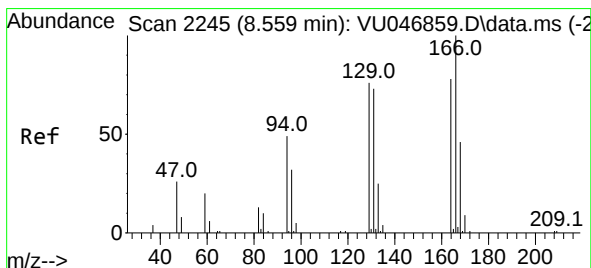
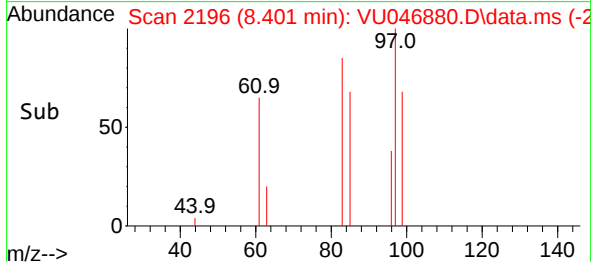
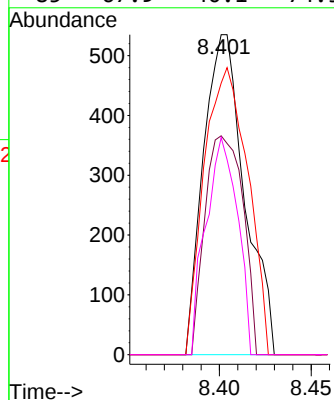
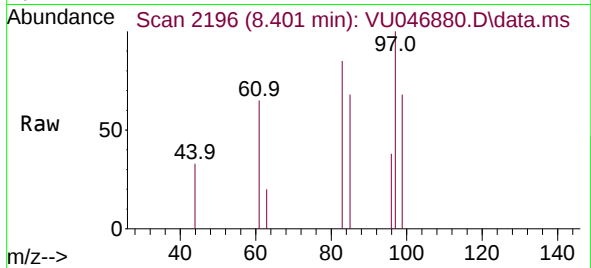


#45
1,1,2-Trichloroethane
Concen: 0.154 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

Instrument :
MSVOA_U
ClientSampleId :
C0HK6

Tgt Ion: 97 Resp: 836

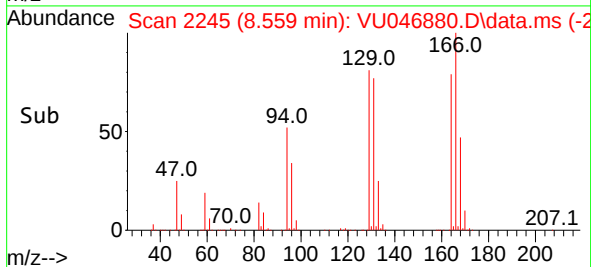
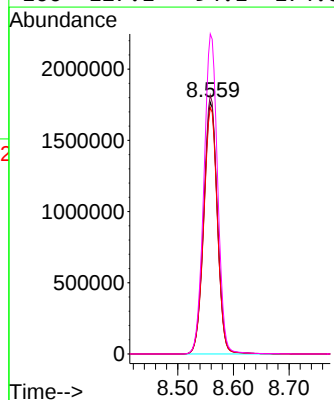
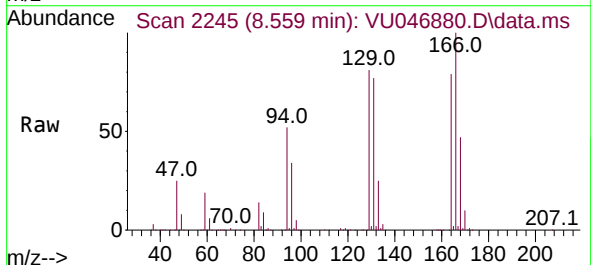
Ion	Ratio	Lower	Upper
97	100		
99	68.4	42.3	78.5
83	84.9	62.0	115.2
85	67.9	40.1	74.5

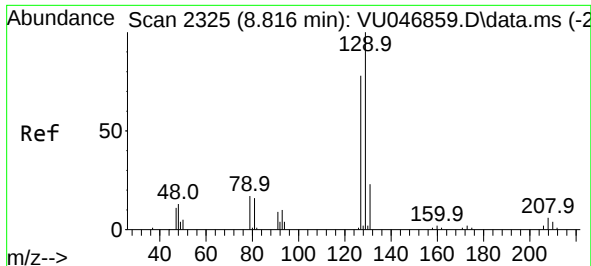


#47
Tetrachloroethene
Concen: 548.601 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

Tgt Ion: 164 Resp: 3020820

Ion	Ratio	Lower	Upper
164	100		
129	102.8	71.8	133.4
131	97.9	68.5	127.3
166	127.1	94.1	174.8

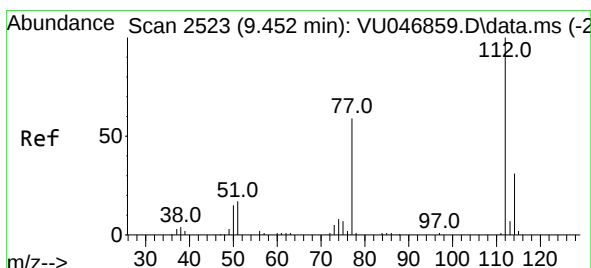
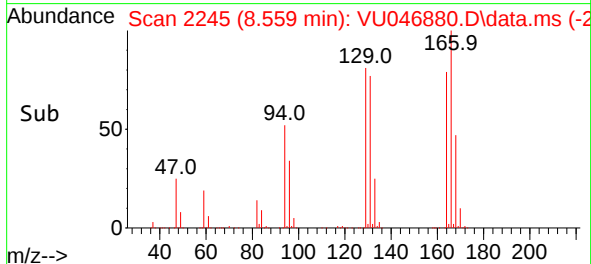
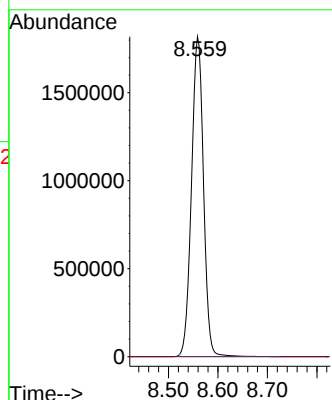
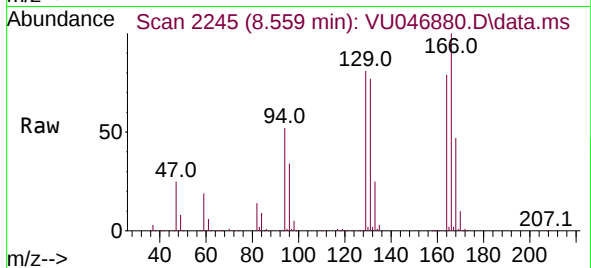




#49
Dibromochloromethane
Concen: 476.918 ug/L
RT: 8.559 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

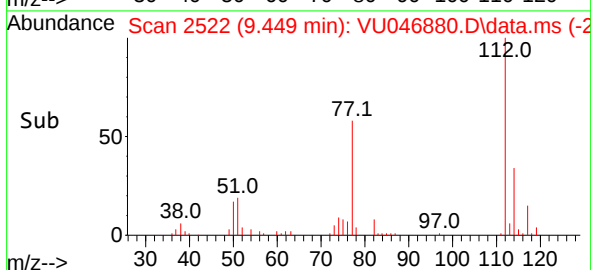
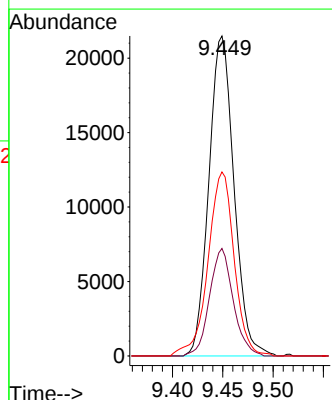
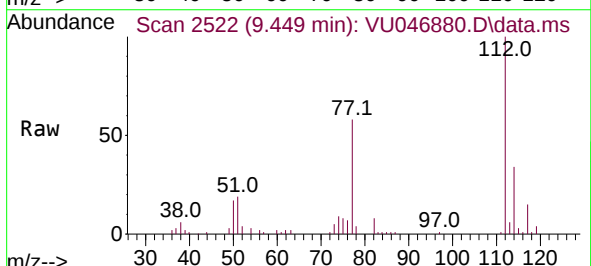
Instrument :
MSVOA_U
ClientSampleId :
C0HK6

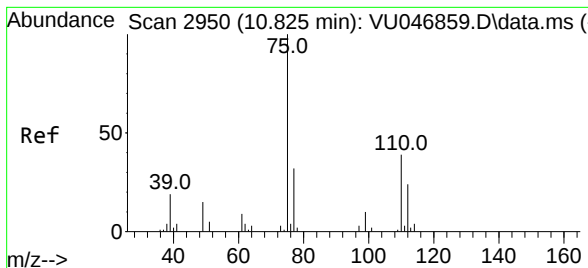
Tgt Ion:129 Resp: 3061715
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#51
Chlorobenzene
Concen: 2.066 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.003 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

Tgt Ion:112 Resp: 37394
Ion Ratio Lower Upper
112 100
114 33.6 22.1 41.1
77 57.5 48.3 72.5





#61

1,2,3-Trichloropropane

Concen: 1.677 ug/L

RT: 11.812 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU046880.D

Acq: 27 Jan 2022 19:27

Instrument :

MSVOA_U

ClientSampleId :

COHK6

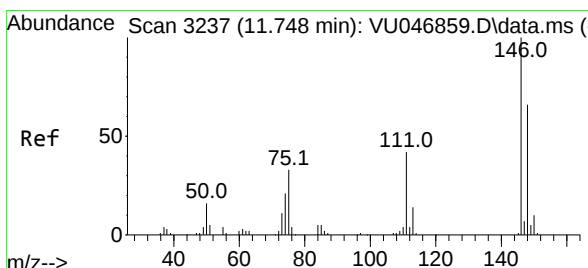
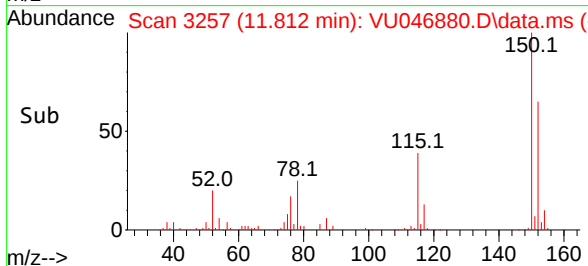
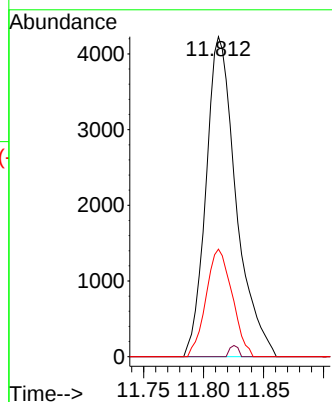
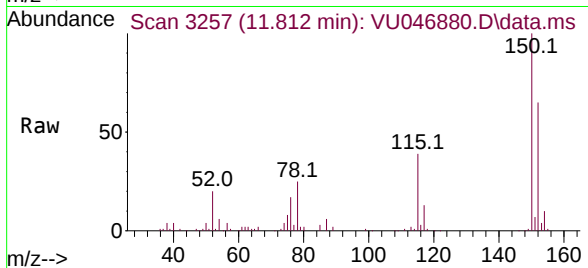
Tgt Ion: 75 Resp: 7377

Ion Ratio Lower Upper

75 100

110 1.0 29.9 44.9#

77 29.1 25.5 38.3



#64

1,3-Dichlorobenzene

Concen: 0.330 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.087 min

Lab File: VU046880.D

Acq: 27 Jan 2022 19:27

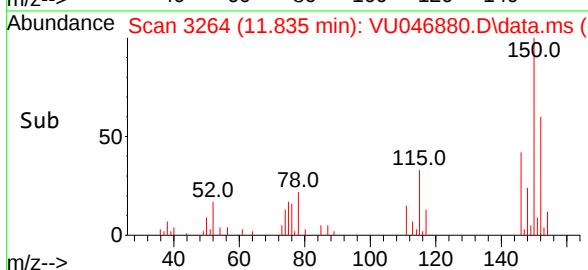
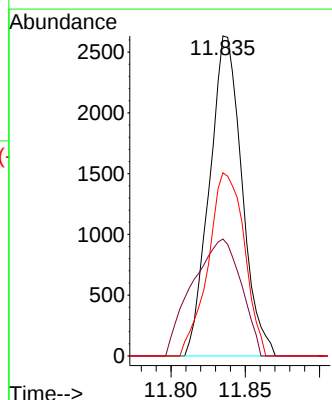
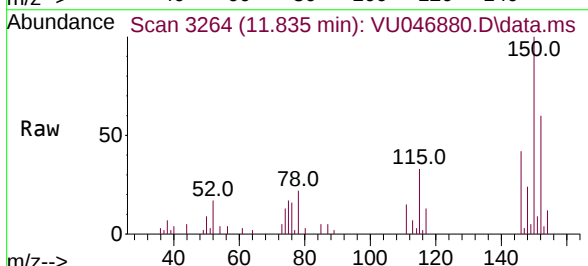
Tgt Ion:146 Resp: 3993

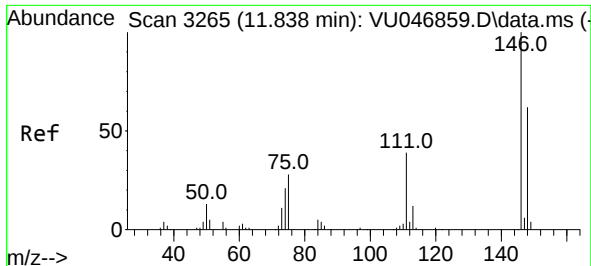
Ion Ratio Lower Upper

146 100

111 36.6 29.9 55.5

148 57.2 44.3 82.3

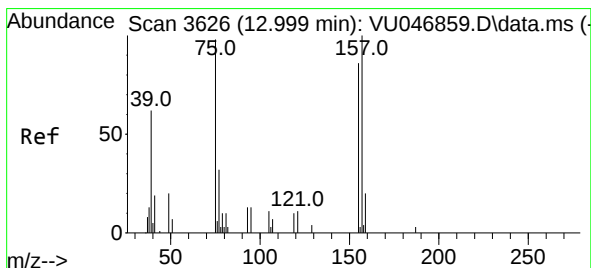
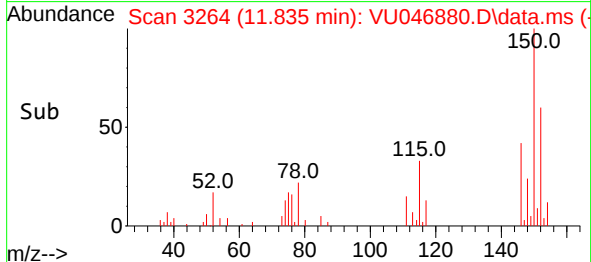
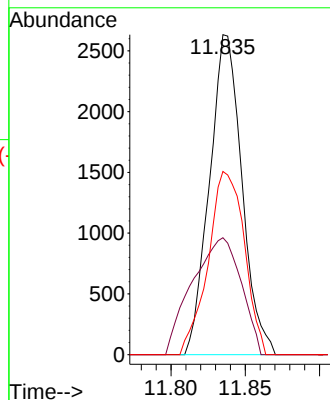
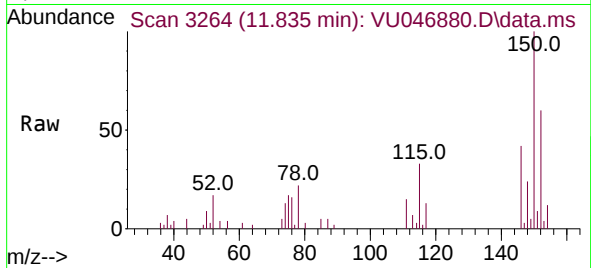




#65
1,4-Dichlorobenzene
Concen: 0.328 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

Instrument :
MSVOA_U
ClientSampleId :
C0HK6

Tgt Ion:146 Resp: 3993
Ion Ratio Lower Upper
146 100
111 36.6 28.7 53.3
148 57.2 45.8 85.0



#68
1,2-Dibromo-3-chloropropane
Concen: 0.195 ug/L
RT: 12.771 min Scan# 3555
Delta R.T. -0.228 min
Lab File: VU046880.D
Acq: 27 Jan 2022 19:27

Tgt Ion: 75 Resp: 178
Ion Ratio Lower Upper
75 100
155 0.0 59.2 88.8#
157 0.0 76.5 114.7#

