

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082321\
 Data File : VU044497.D
 Acq On : 23 Aug 2021 13:03
 Operator : SY/MD
 Sample : M3515-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4556

Quant Time: Aug 24 03:58:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 24 03:56:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	121251	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	120842	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	54356	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	36909	3.764	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.200%
7) Chloroethane-d5	1.919	69	35517	4.167	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.571	65	17674	4.237	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	4.642	46	101166	37.302	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.600%
24) Chloroform-d	5.073	84	77393	4.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.710	65	42569	4.502	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
32) Benzene-d6	5.735	84	155850	4.580	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.700	67	51375	4.719	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.906	98	132073	4.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.185	79	17257	4.414	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.645	63	106619	50.431	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.860%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	42805	4.669	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.198	152	45118	4.913	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.395	85	1383	0.111	ug/L	98
3) Chloromethane	1.523	50	2343	0.143	ug/L	95
12) 1,1-Dichloroethene	2.584	96	902	0.097	ug/L #	1
17) Methyl tert-butyl Ether	3.372	73	6976	0.289	ug/L	96
19) 1,1-Dichloroethane	3.877	63	1707	0.091	ug/L #	81
22) cis-1,2-Dichloroethene	4.678	96	7054	0.680	ug/L	95
25) Chloroform	5.092	83	5002	0.259	ug/L	98
34) Trichloroethene	6.549	95	5744	0.567	ug/L	94
35) Methylcyclohexane	6.697	83	11589	0.686	ug/L #	19
37) 1,2-Dichloropropane	6.697	63	5611	0.523	ug/L #	88
40) 4-Methyl-2-pentanone	7.806	43	5176	0.710	ug/L #	80
42) Toluene	7.976	91	2720	0.064	ug/L	90
47) Tetrachloroethene	8.562	164	11318	1.615	ug/L	96
48) 2-Hexanone	8.693	43	6750	1.298	ug/L #	91
49) Dibromochloromethane	8.558	129	11963	1.477	ug/L #	10
65) 1,4-Dichlorobenzene	11.841	146	1464	0.083	ug/L	92
67) 1,2-Dichlorobenzene	12.217	146	1200	0.072	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.224	180	1273	0.104	ug/L	94
70) 1,2,4-trichlorobenzene	13.848	180	1729	0.180	ug/L	99

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QLast Update : Tue Aug 24 03:56:17 2021
Response via : Initial Calibration

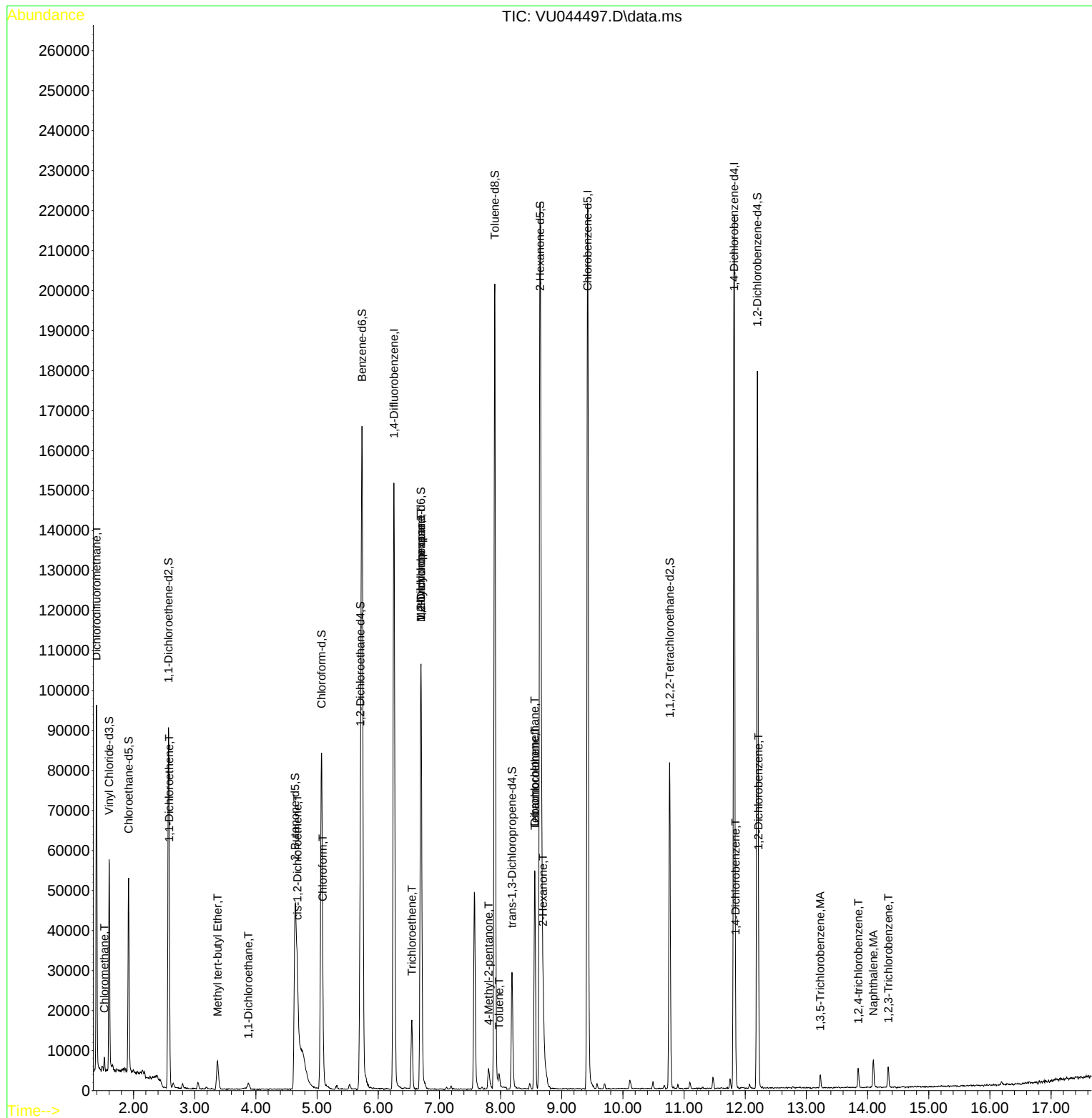
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.095	128	6407	0.350	ug/L	97
72) 1,2,3-Trichlorobenzene	14.339	180	1962	0.223	ug/L	90

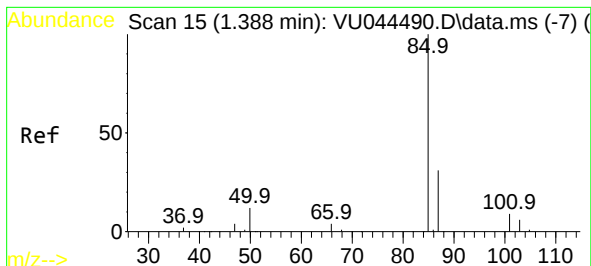
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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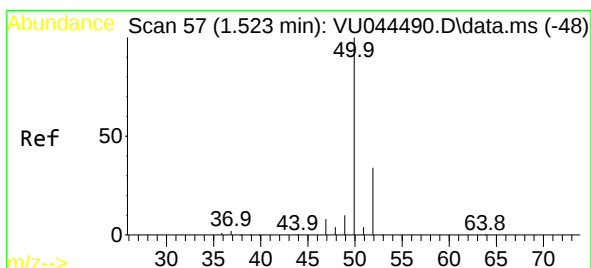
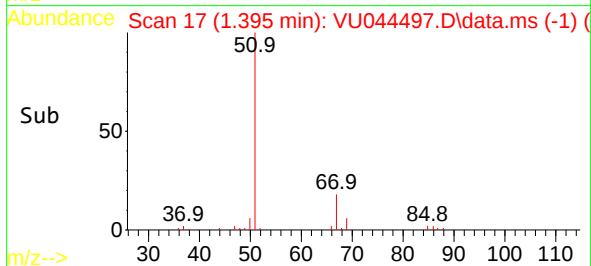
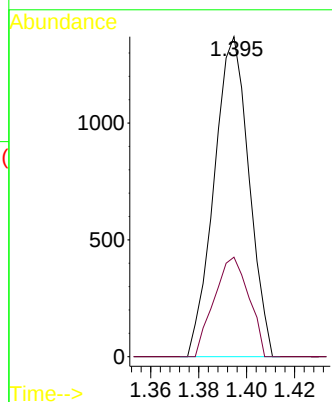
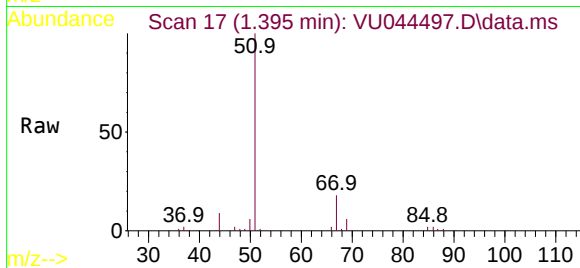




#2
Dichlorodifluoromethane
Concen: 0.111 ug/L
RT: 1.395 min Scan# 17
Delta R.T. 0.006 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

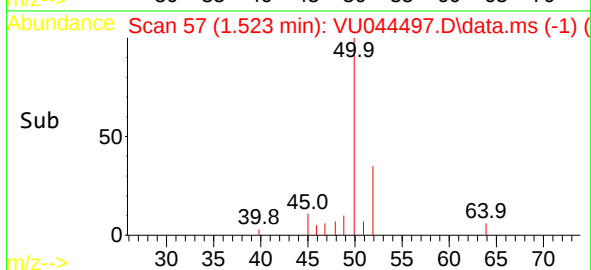
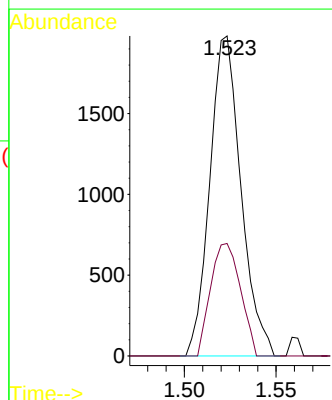
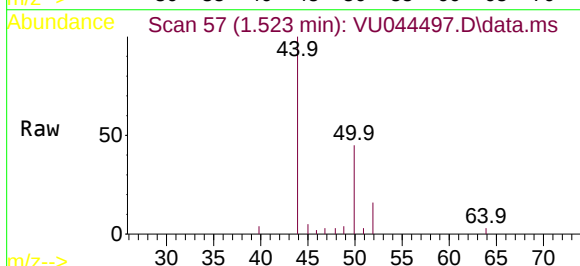
Instrument :
MSVOA_U
ClientSampled :
H4556

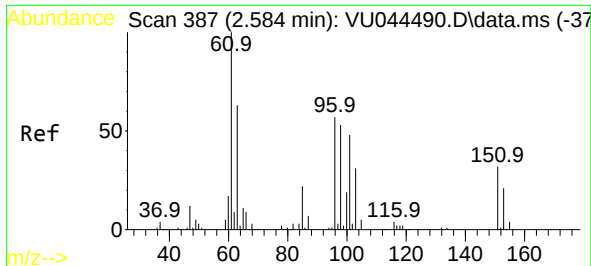
Tgt Ion: 85 Resp: 1383
Ion Ratio Lower Upper
85 100
87 30.9 25.7 38.5



#3
Chloromethane
Concen: 0.143 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

Tgt Ion: 50 Resp: 2343
Ion Ratio Lower Upper
50 100
52 35.2 22.8 42.4





#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.584 min Scan# 387

Delta R.T. 0.000 min

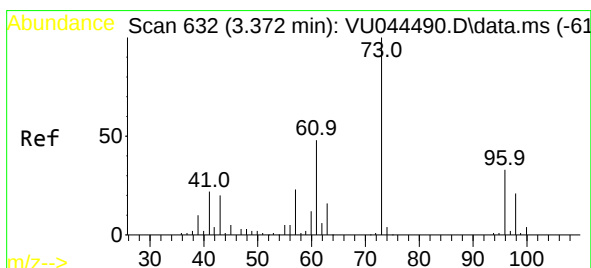
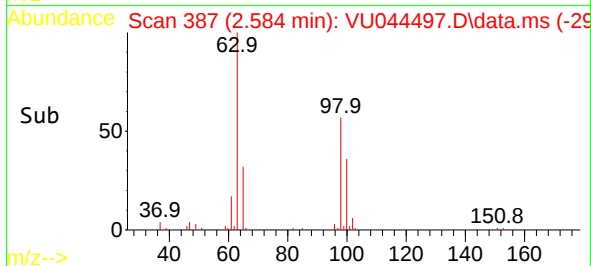
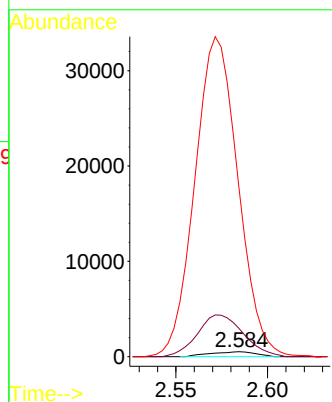
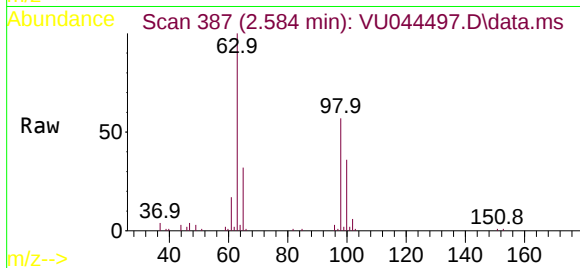
Lab File: VU044497.D

Acq: 23 Aug 2021 13:03

Tgt Ion: 96 Resp: 902

Ion	Ratio	Lower	Upper
96	100		
61	568.0	126.1	234.3#
63	3402.3	84.8	157.6#

Instrument :
MSVOA_U
ClientSampleId :
H4556



#17

Methyl tert-butyl Ether

Concen: 0.289 ug/L

RT: 3.372 min Scan# 632

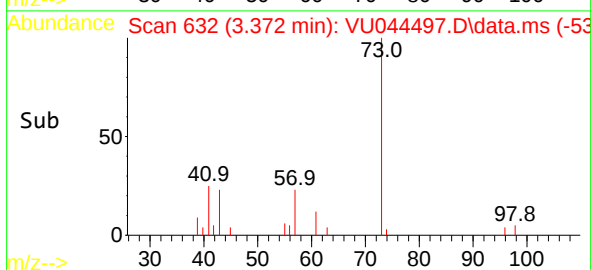
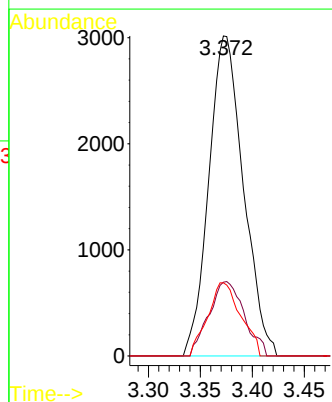
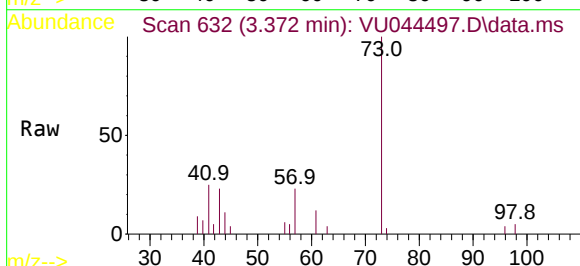
Delta R.T. 0.000 min

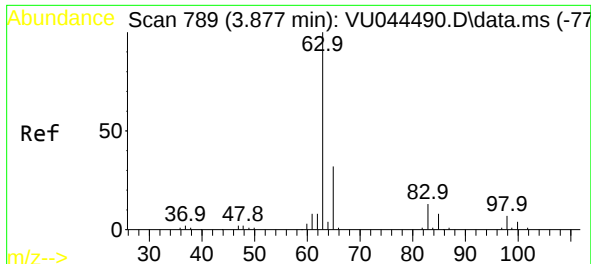
Lab File: VU044497.D

Acq: 23 Aug 2021 13:03

Tgt Ion: 73 Resp: 6976

Ion	Ratio	Lower	Upper
73	100		
43	23.8	16.2	24.4
57	21.9	17.8	26.8





#19

1,1-Dichloroethane

Concen: 0.091 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU044497.D

Acq: 23 Aug 2021 13:03

Instrument :

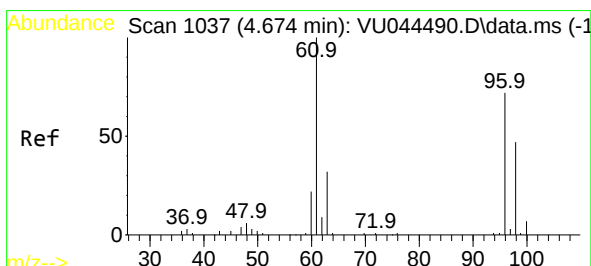
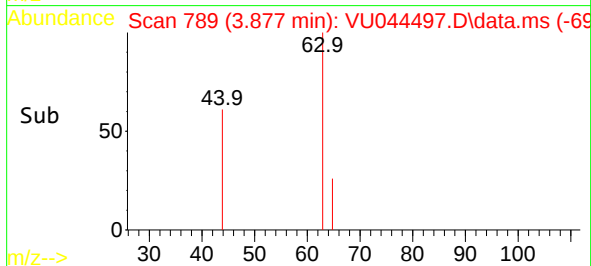
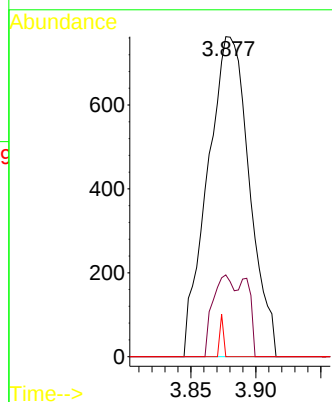
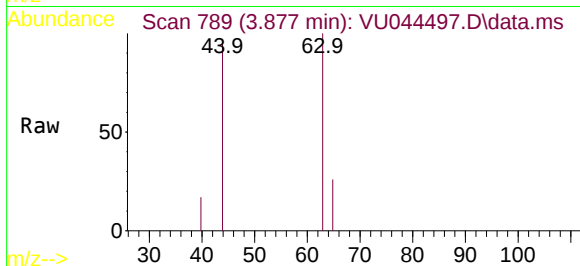
MSVOA_U

ClientSampleId :

H4556

Tgt Ion: 63 Resp: 1707

Ion	Ratio	Lower	Upper
63	100		
65	25.6	23.4	43.6
83	0.0	9.0	16.6#



#22

cis-1,2-Dichloroethene

Concen: 0.680 ug/L

RT: 4.678 min Scan# 1038

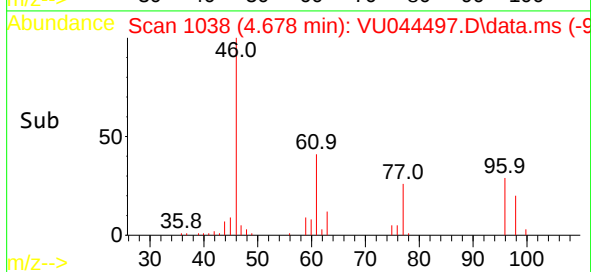
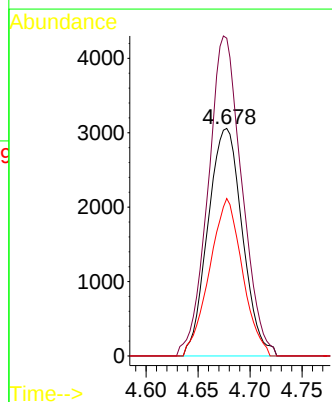
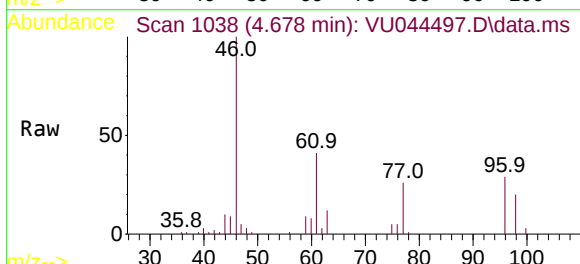
Delta R.T. 0.003 min

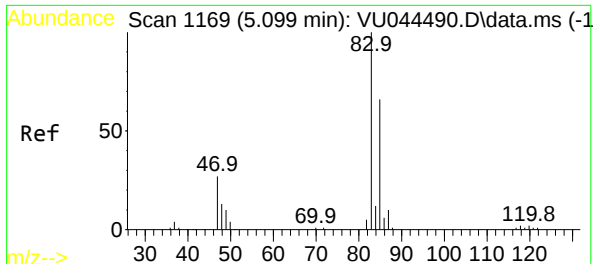
Lab File: VU044497.D

Acq: 23 Aug 2021 13:03

Tgt Ion: 96 Resp: 7054

Ion	Ratio	Lower	Upper
96	100		
61	139.7	93.9	174.5
98	69.2	44.7	83.1



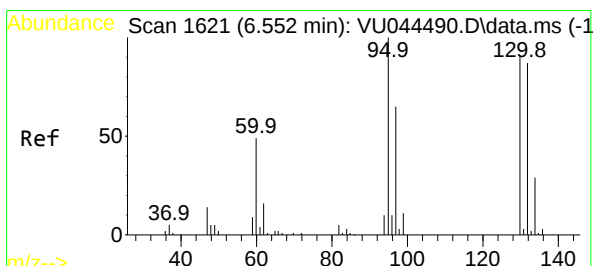
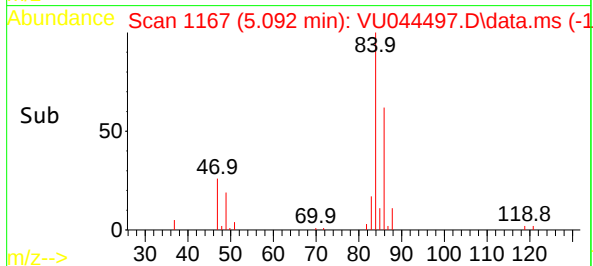
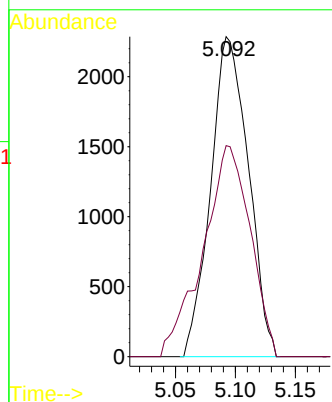
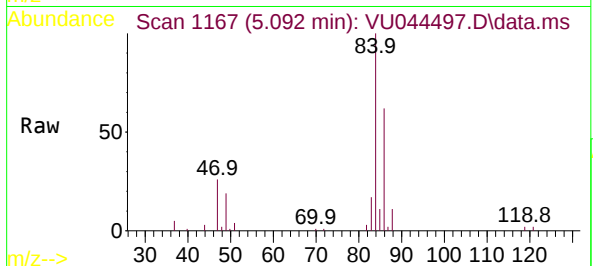


#25

Chloroform
Concen: 0.259 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.006 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

Instrument :
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ClientSampleId :
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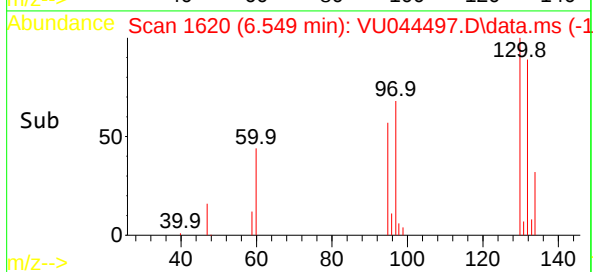
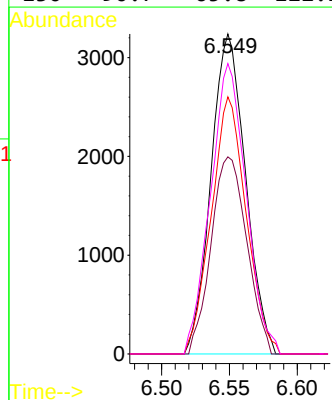
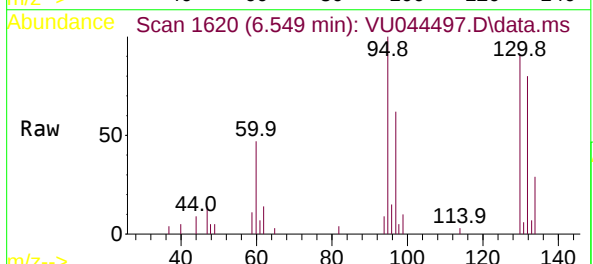
Tgt Ion: 83 Resp: 5002
Ion Ratio Lower Upper
83 100
85 66.0 45.3 84.1

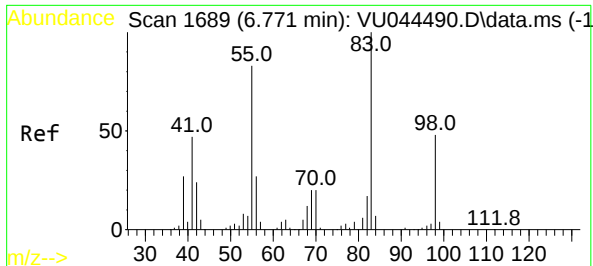


#34

Trichloroethene
Concen: 0.567 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

Tgt Ion: 95 Resp: 5744
Ion Ratio Lower Upper
95 100
97 61.6 45.6 84.8
132 80.3 63.4 117.8
130 90.7 65.8 122.2

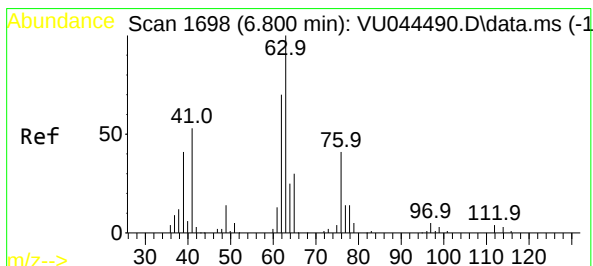
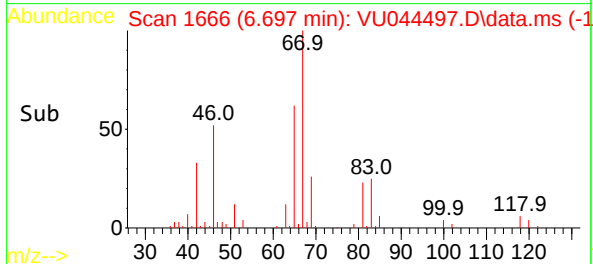
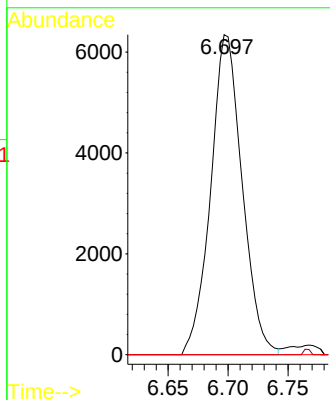
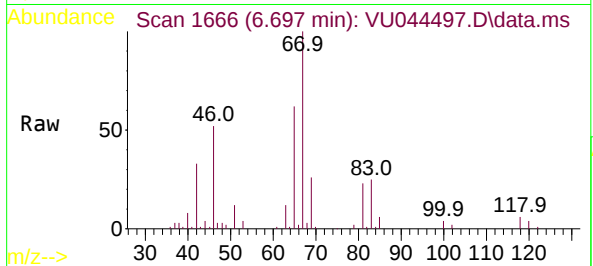




#35
Methylcyclohexane
Concen: 0.686 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.074 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

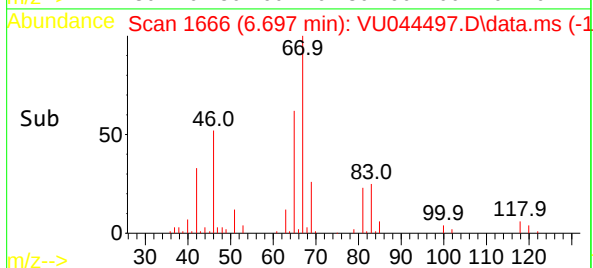
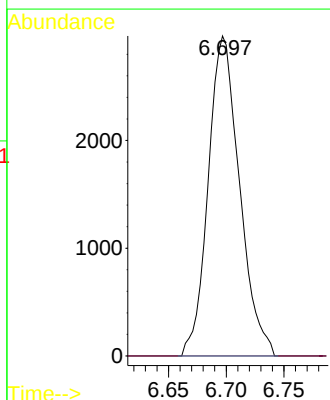
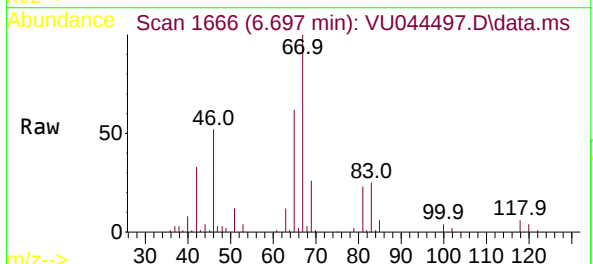
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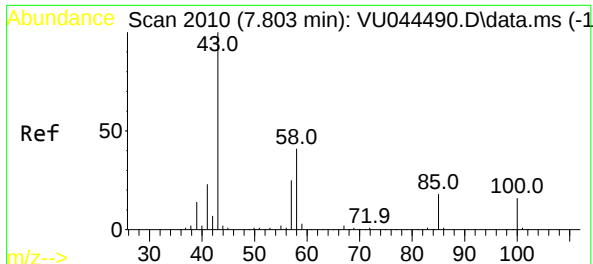
Tgt Ion: 83 Resp: 11589
Ion Ratio Lower Upper
83 100
55 0.3 64.8 97.2#
98 4.2 37.5 56.3#



#37
1,2-Dichloropropane
Concen: 0.523 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

Tgt Ion: 63 Resp: 5611
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#

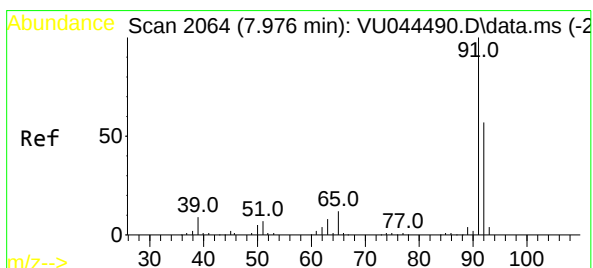
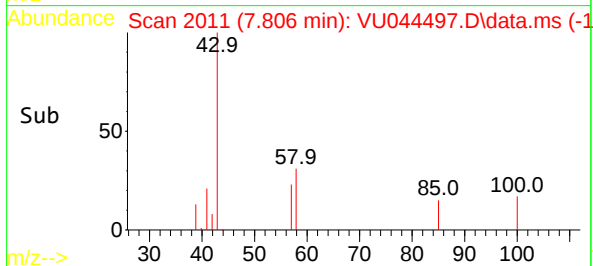
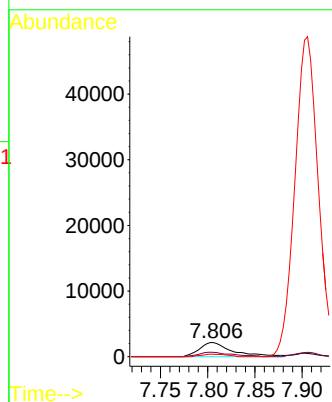
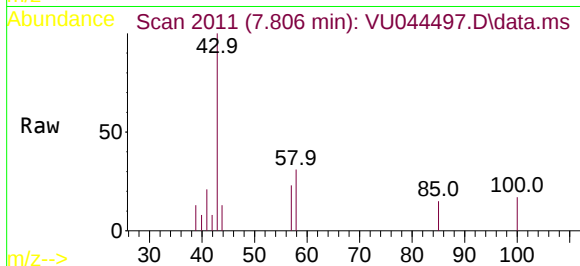




#40
4-Methyl-2-pentanone
Concen: 0.710 ug/L
RT: 7.806 min Scan# 2011
Delta R.T. 0.003 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

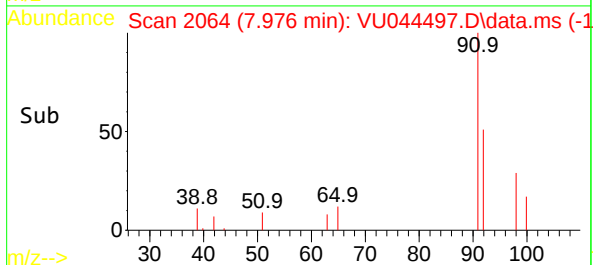
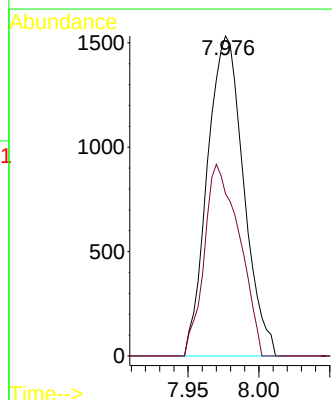
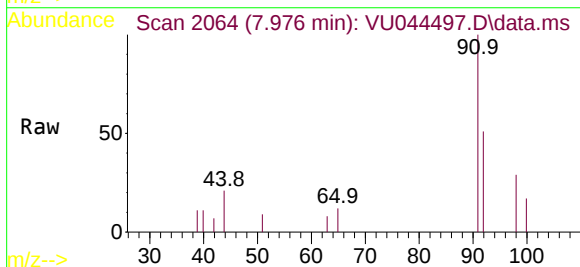
Instrument :
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ClientSampled :
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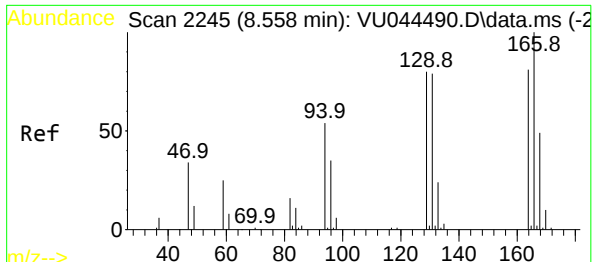
Tgt Ion: 43 Resp: 5176
Ion Ratio Lower Upper
43 100
58 31.9 32.5 48.7#
100 0.0 12.3 18.5#



#42
Toluene
Concen: 0.064 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

Tgt Ion: 91 Resp: 2720
Ion Ratio Lower Upper
91 100
92 50.7 40.7 75.5



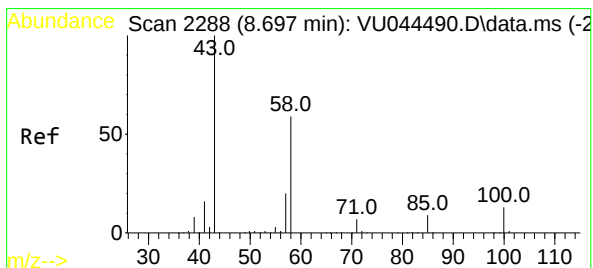
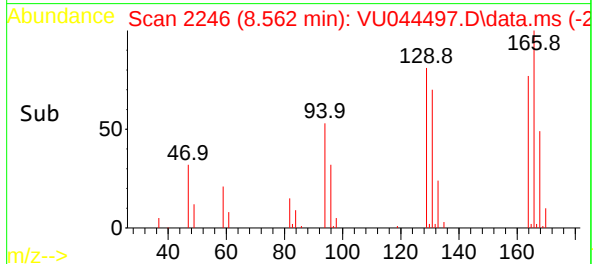
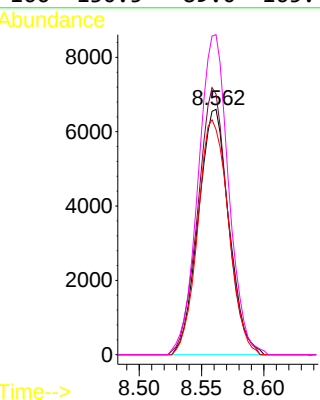
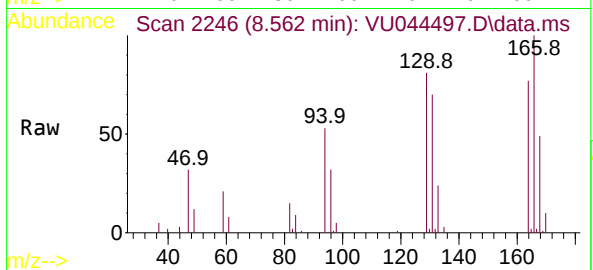


#47
Tetrachloroethene
Concen: 1.615 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.003 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

Instrument :
MSVOA_U
ClientSampleId :
H4556

Tgt Ion:164 Resp: 11318

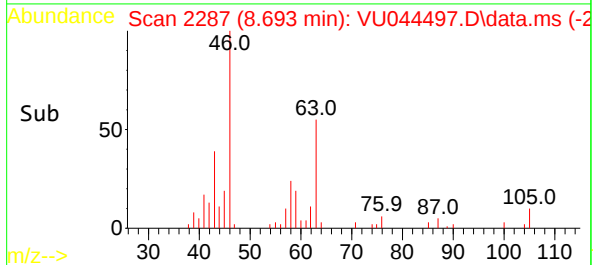
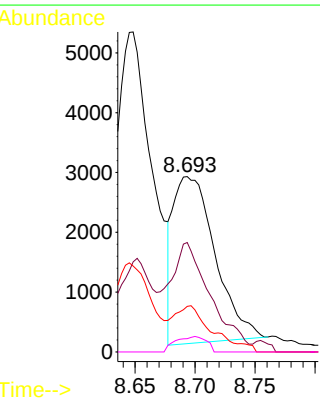
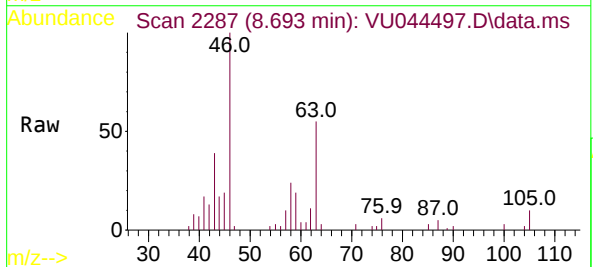
Ion	Ratio	Lower	Upper
164	100		
129	106.3	71.0	131.8
131	91.8	68.0	126.4
166	130.5	89.0	165.4

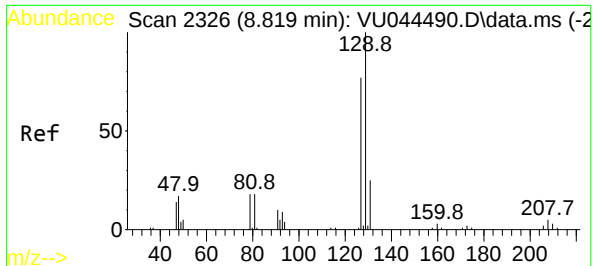


#48
2-Hexanone
Concen: 1.298 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

Tgt Ion: 43 Resp: 6750

Ion	Ratio	Lower	Upper
43	100		
58	63.2	46.5	69.7
57	25.1	15.8	23.8#
100	6.9	9.8	14.8#





#49

Dibromochloromethane

Concen: 1.477 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.260 min

Lab File: VU044497.D

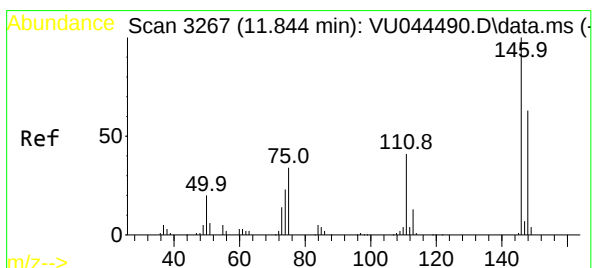
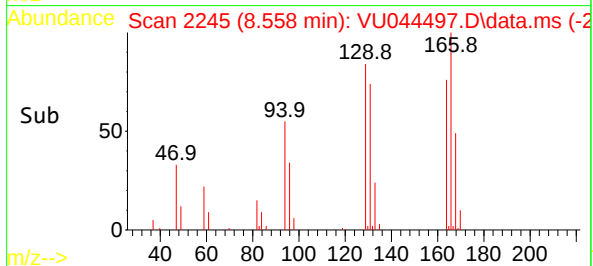
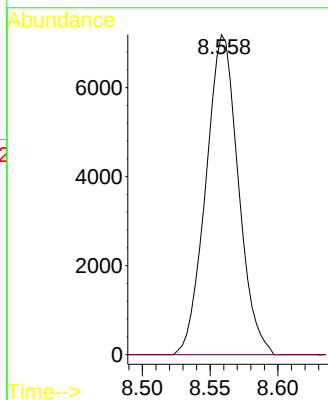
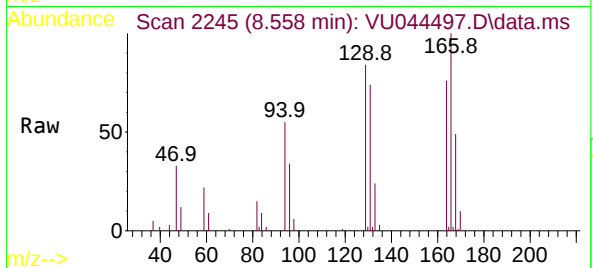
Acq: 23 Aug 2021 13:03

Tgt Ion:129 Resp: 11963

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#65

1,4-Dichlorobenzene

Concen: 0.083 ug/L

RT: 11.841 min Scan# 3266

Delta R.T. -0.003 min

Lab File: VU044497.D

Acq: 23 Aug 2021 13:03

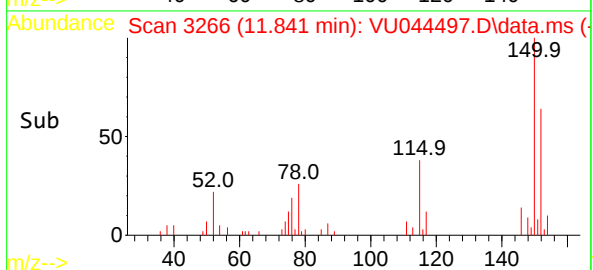
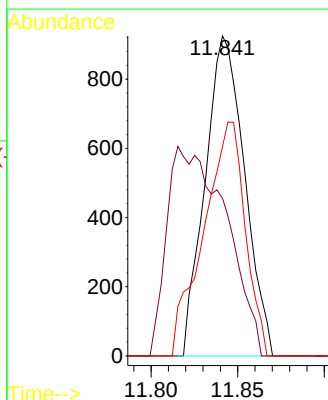
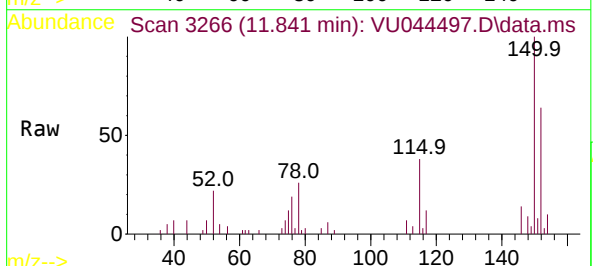
Tgt Ion:146 Resp: 1464

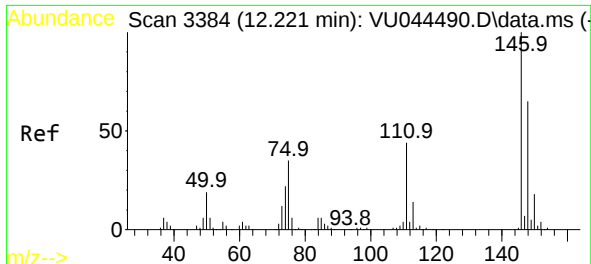
Ion Ratio Lower Upper

146 100

111 49.3 28.8 53.4

148 65.4 43.6 81.0

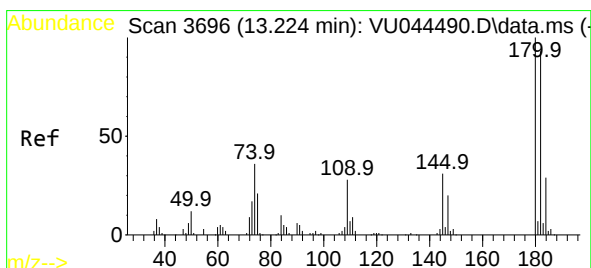
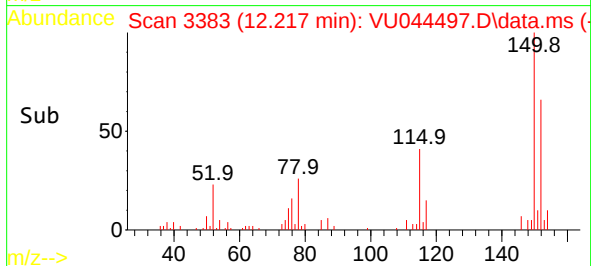
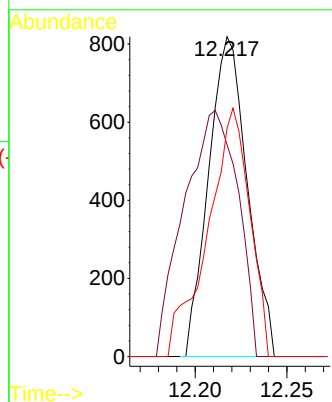
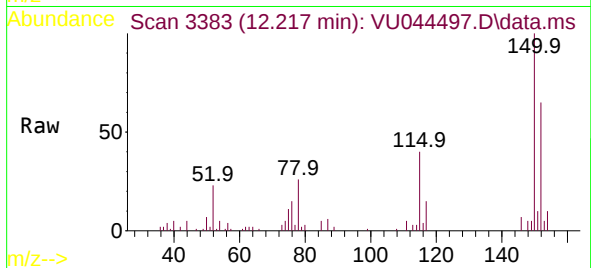




#67
1,2-Dichlorobenzene
Concen: 0.072 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.003 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

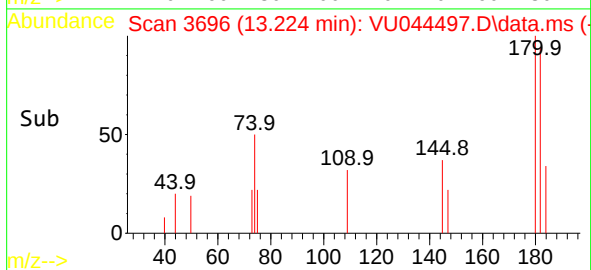
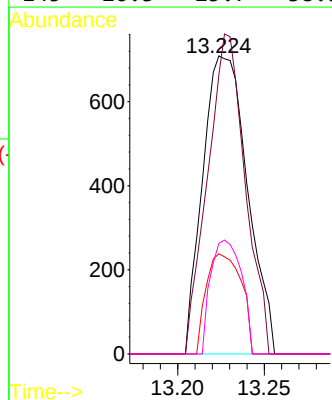
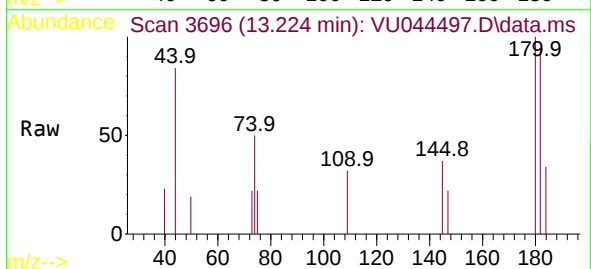
Instrument :
MSVOA_U
ClientSampled :
H4556

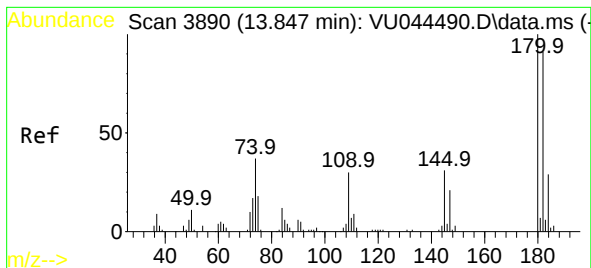
Tgt Ion:146 Resp: 1200
Ion Ratio Lower Upper
146 100
111 66.2 34.9 52.3#
148 71.4 49.3 73.9



#69
1,3,5-Trichlorobenzene
Concen: 0.104 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. 0.000 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

Tgt Ion:180 Resp: 1273
Ion Ratio Lower Upper
180 100
182 89.9 75.0 112.6
184 26.2 24.3 36.5
145 26.3 25.7 38.5

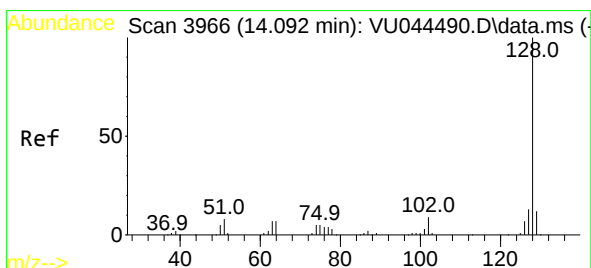
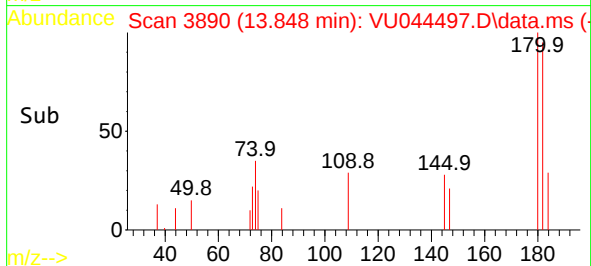
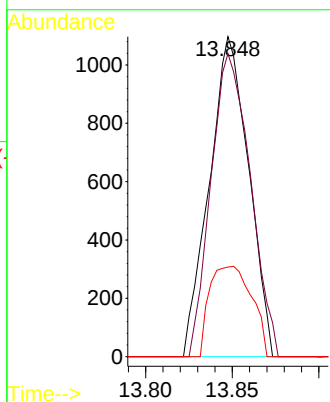
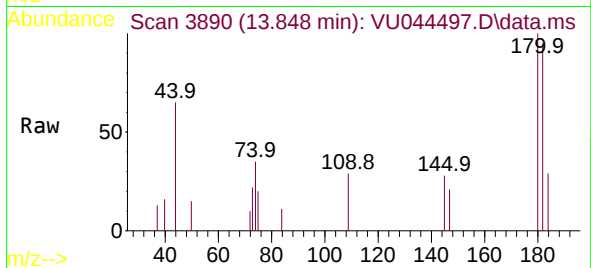




#70
1,2,4-trichlorobenzene
Concen: 0.180 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

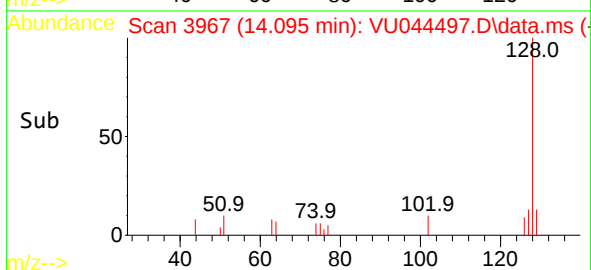
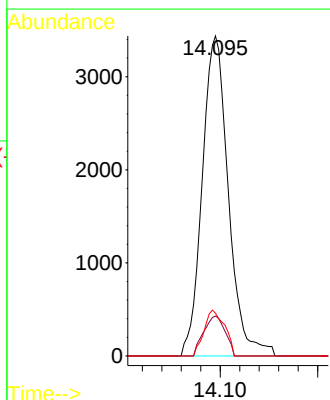
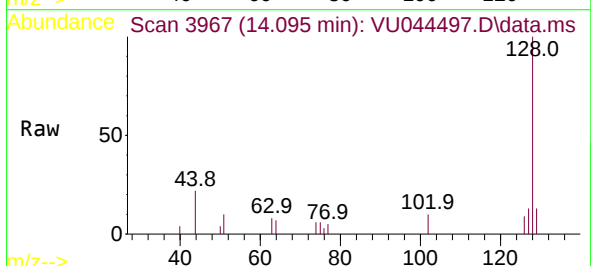
Instrument :
MSVOA_U
ClientSampled :
H4556

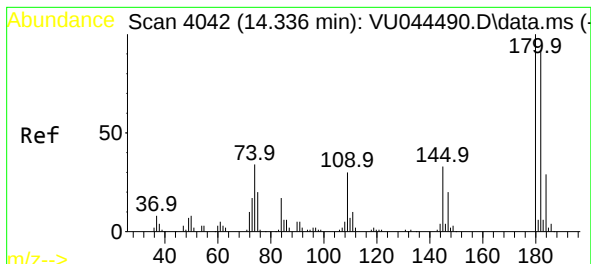
Tgt Ion:180 Resp: 1729
Ion Ratio Lower Upper
180 100
182 94.9 76.0 114.0
145 30.2 26.3 39.5



#71
Naphthalene
Concen: 0.350 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044497.D
Acq: 23 Aug 2021 13:03

Tgt Ion:128 Resp: 6407
Ion Ratio Lower Upper
128 100
129 10.2 8.6 12.8
127 11.3 10.4 15.6





#72
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/L
 RT: 14.339 min Scan# 4043
 Delta R.T. 0.003 min
 Lab File: VU044497.D
 Acq: 23 Aug 2021 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 H4556

Tgt Ion:180 Resp: 1962

Ion	Ratio	Lower	Upper
180	100		
182	83.6	76.4	114.6
145	35.2	27.1	40.7

