

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
 Data File : VU044449.D
 Acq On : 18 Aug 2021 16:10
 Operator : SY/MD
 Sample : M3395-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 X3622

Quant Time: Aug 19 04:04:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 19 03:54:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	125815	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	126277	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	62104	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	43793	4.304	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.916	69	39811	4.502	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.571	65	20074	4.638	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.800%
20) 2-Butanone-d5	4.642	46	102433	36.399	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.800%
24) Chloroform-d	5.070	84	77082	4.284	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	5.710	65	45265	4.613	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.735	84	167946	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.700	67	51679	4.543	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.906	98	150860	4.785	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	8.189	79	18526	4.535	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.645	63	109841	49.719	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.440%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	42040	4.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.201	152	48984	4.668	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1411	0.083	ug/L	98
6) Bromomethane	1.861	94	16246	1.907	ug/L	97
12) 1,1-Dichloroethene	2.584	96	19677	2.035	ug/L #	58
13) Acetone	2.649	43	95053	40.676	ug/L	94
14) Carbon disulfide	2.800	76	266835	8.508	ug/L	100
15) Methyl Acetate	2.960	43	140993	36.941	ug/L	95
16) Methylene chloride	3.054	84	66225	4.610	ug/L	99
17) Methyl tert-butyl Ether	3.372	73	284077	11.360	ug/L	100
21) 2-Butanone	4.722	43	99472	29.871	ug/L	95
22) cis-1,2-Dichloroethene	4.674	96	70606	6.555	ug/L	99
25) Chloroform	5.099	83	4523	0.226	ug/L	99
27) 1,2-Dichloroethane	5.803	62	71084	5.318	ug/L	99
30) Cyclohexane	5.394	56	199130	11.398	ug/L	99
33) Benzene	5.780	78	223303	5.212	ug/L	100
34) Trichloroethene	6.549	95	38457	3.631	ug/L	98
35) Methylcyclohexane	6.771	83	372778	21.102	ug/L	99
37) 1,2-Dichloropropane	6.771	63	3480	0.310	ug/L #	88
39) cis-1,3-Dichloropropene	7.574	75	1455	0.092	ug/L #	73
40) 4-Methyl-2-pentanone	7.803	43	226507	29.736	ug/L	99

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

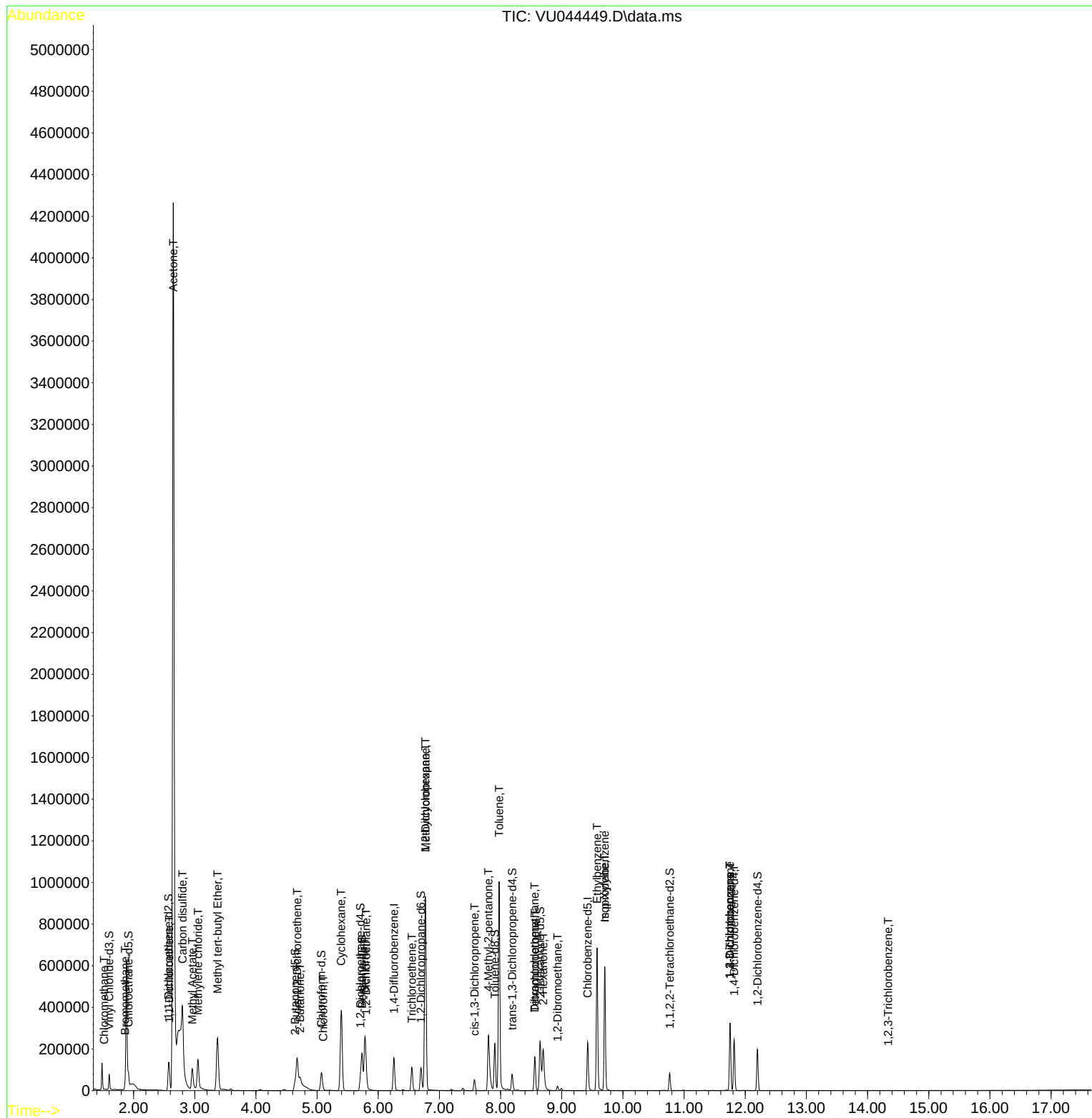
42) Toluene	7.976	91	736393	16.501	ug/L	100
47) Tetrachloroethene	8.562	164	35462	4.842	ug/L	96
48) 2-Hexanone	8.697	43	157397	28.959	ug/L	99
49) Dibromochloromethane	8.558	129	35671	4.214	ug/L #	10
50) 1,2-Dibromoethane	8.931	107	15001	1.960	ug/L	99
52) Ethylbenzene	9.578	91	491988	10.436	ug/L	100
53) m,p-Xylene	9.703	106	160431	9.052	ug/L	99
60) Isopropylbenzene	9.703	105	75796	1.672	ug/L #	30
61) 1,2,3-Trichloropropane	11.751	75	43688	5.630	ug/L #	49
64) 1,3-Dichlorobenzene	11.751	146	125146	6.288	ug/L	99
65) 1,4-Dichlorobenzene	11.751	146	125146	6.224	ug/L	98
72) 1,2,3-Trichlorobenzene	14.336	180	390	0.039	ug/L #	50

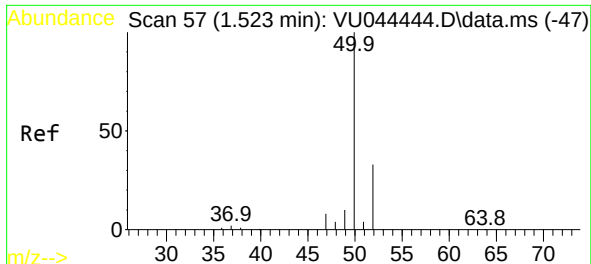
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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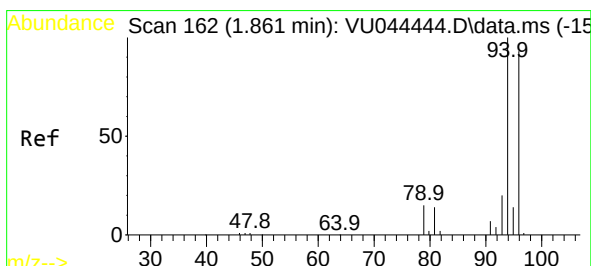
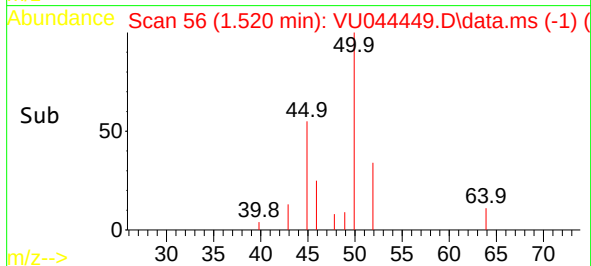
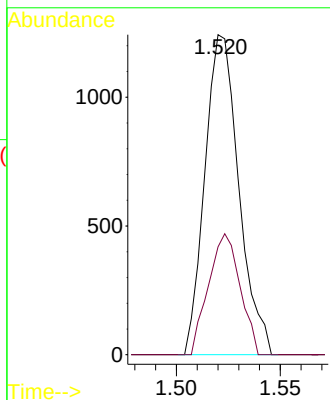
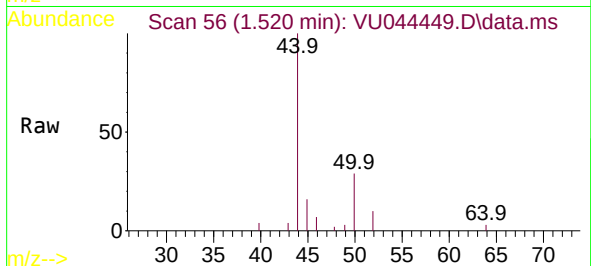




#3
Chloromethane
Concen: 0.083 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

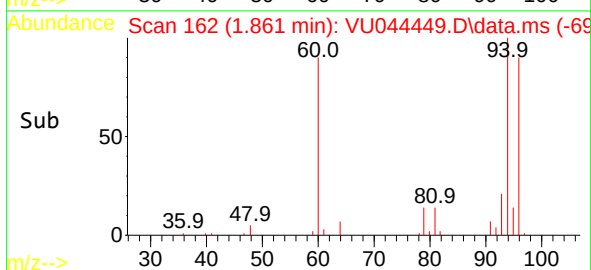
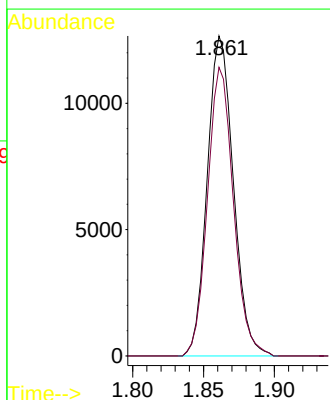
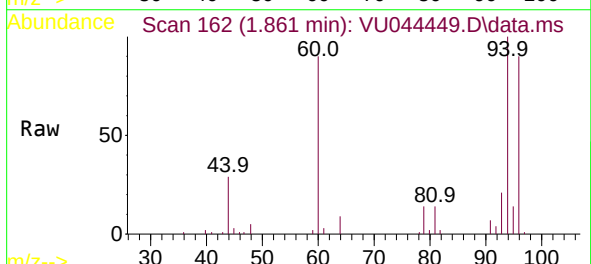
Instrument :
MSVOA_U
ClientSampled :
X3622

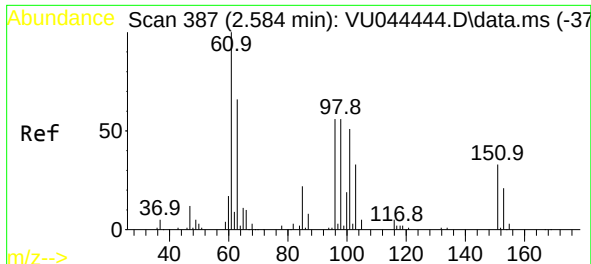
Tgt Ion: 50 Resp: 1411
Ion Ratio Lower Upper
50 100
52 33.7 22.8 42.4



#6
Bromomethane
Concen: 1.907 ug/L
RT: 1.861 min Scan# 162
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 94 Resp: 16246
Ion Ratio Lower Upper
94 100
96 90.2 65.2 121.2





#12

1,1-Dichloroethene

Concen: 2.035 ug/L

RT: 2.584 min Scan# 387

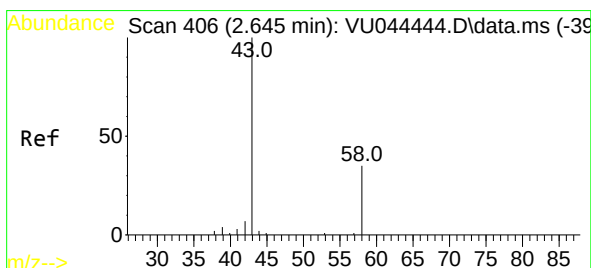
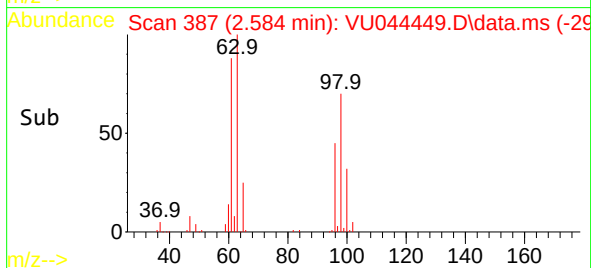
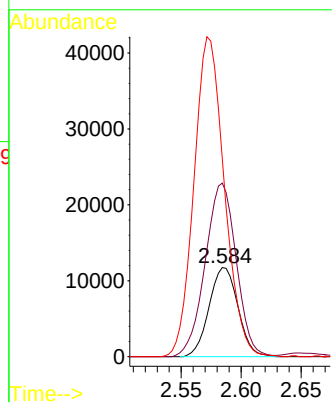
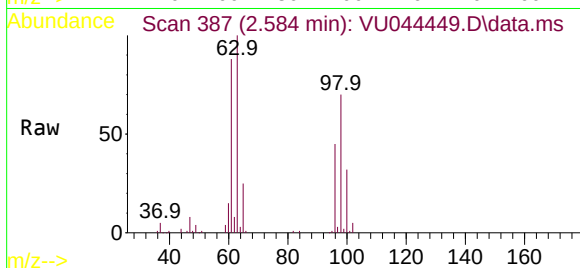
Delta R.T. -0.000 min

Lab File: VU044449.D

Acq: 18 Aug 2021 16:10

Tgt Ion:	96	Resp:	19677
Ion	Ratio	Lower	Upper
96	100		
61	194.7	126.1	234.3
63	222.0	84.8	157.6

Instrument :
MSVOA_U
ClientSampled :
X3622



#13

Acetone

Concen: 40.676 ug/L

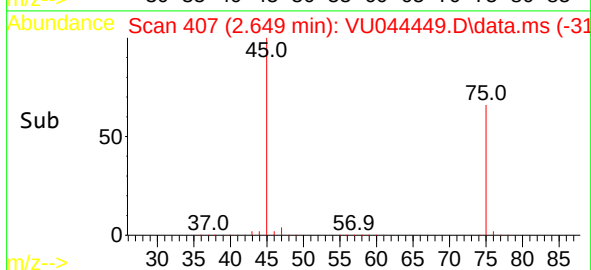
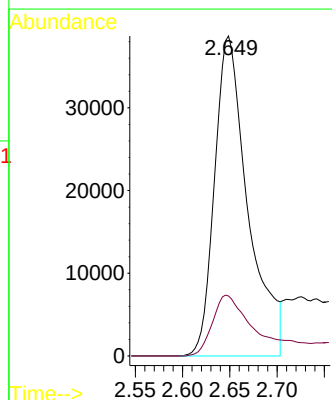
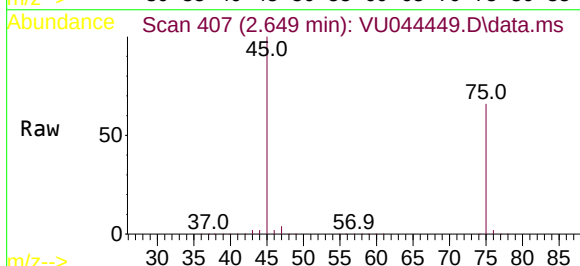
RT: 2.649 min Scan# 407

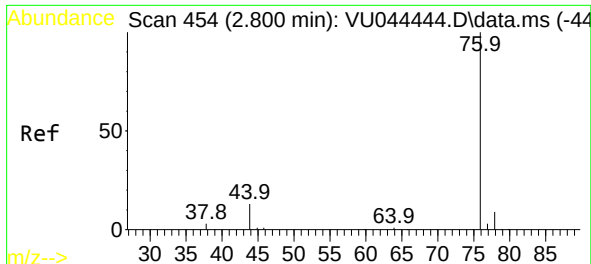
Delta R.T. 0.003 min

Lab File: VU044449.D

Acq: 18 Aug 2021 16:10

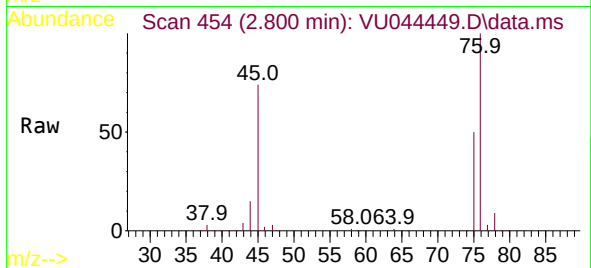
Tgt Ion:	43	Resp:	95053
Ion	Ratio	Lower	Upper
43	100		
58	25.6	0.0	45.4



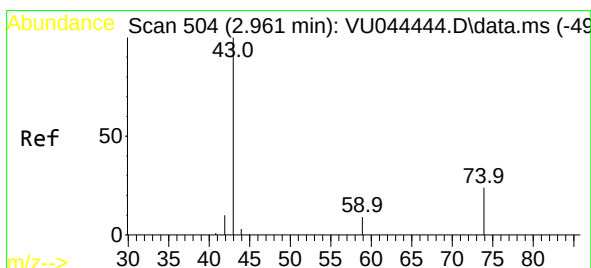
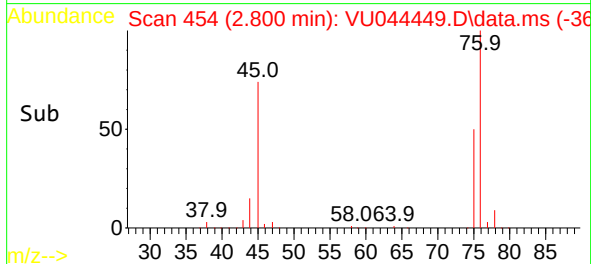
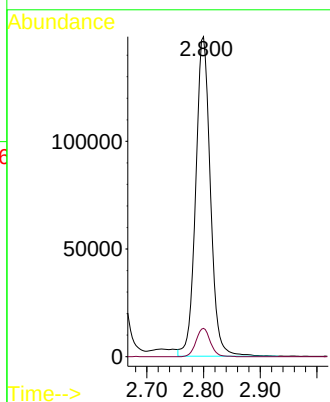


#14
Carbon disulfide
Concen: 8.508 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Instrument :
MSVOA_U
ClientSampled :
X3622

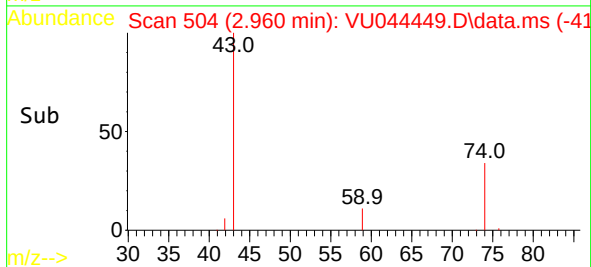
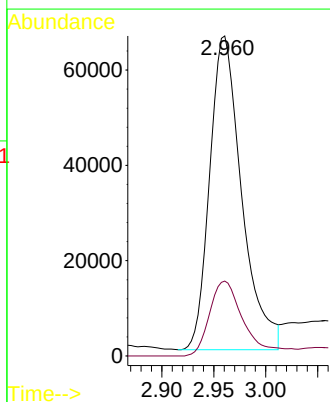
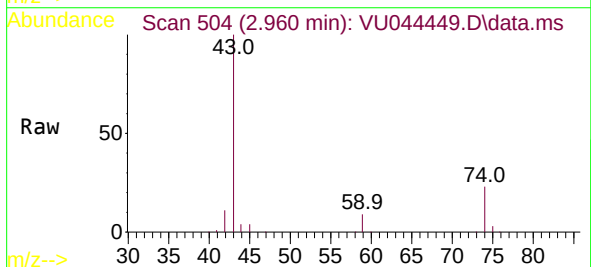


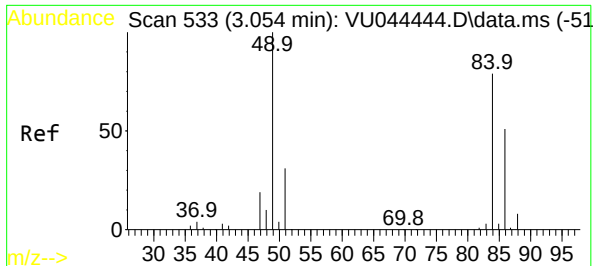
Tgt Ion: 76 Resp: 266835
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#15
Methyl Acetate
Concen: 36.941 ug/L
RT: 2.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 43 Resp: 140993
Ion Ratio Lower Upper
43 100
74 26.2 19.0 28.4



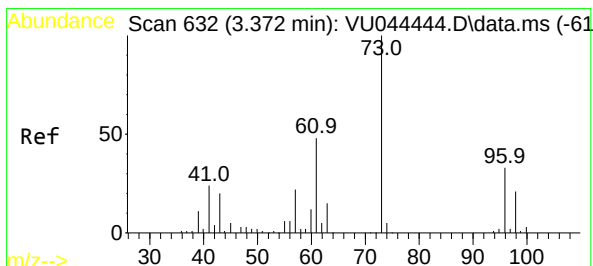
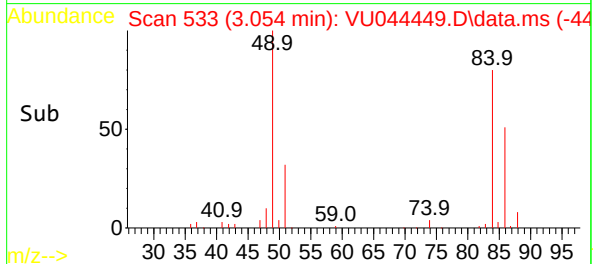
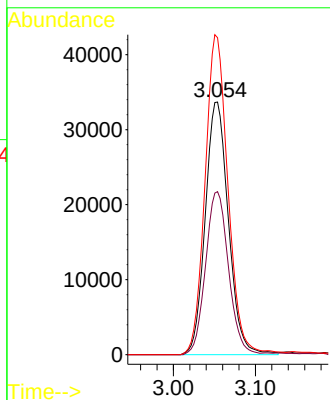
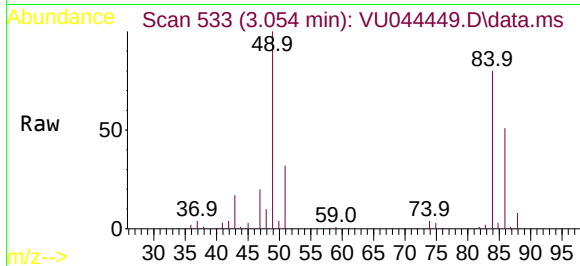


#16
Methylene chloride
Concen: 4.610 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
X3622

Tgt Ion: 84 Resp: 66225

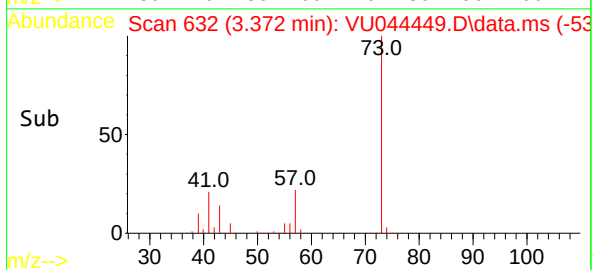
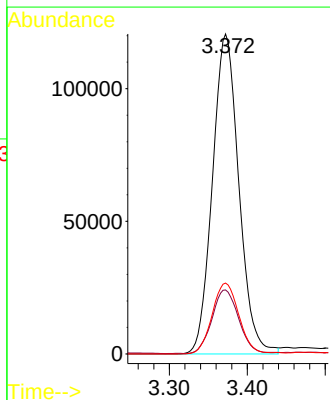
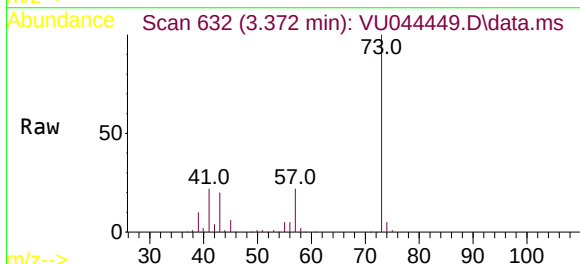
Ion	Ratio	Lower	Upper
84	100		
86	64.5	45.2	84.0
49	125.4	88.8	165.0

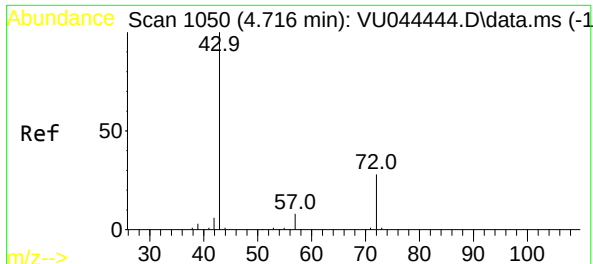


#17
Methyl tert-butyl Ether
Concen: 11.360 ug/L
RT: 3.372 min Scan# 632
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 73 Resp: 284077

Ion	Ratio	Lower	Upper
73	100		
43	20.0	16.2	24.4
57	22.4	17.8	26.8

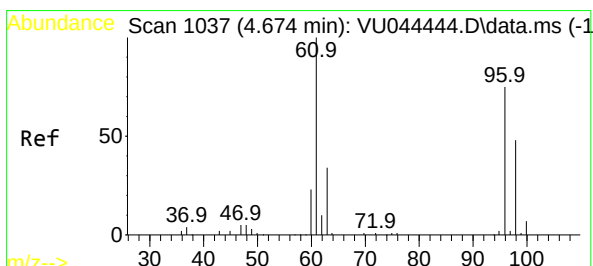
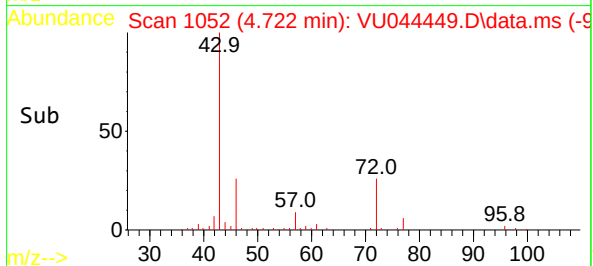
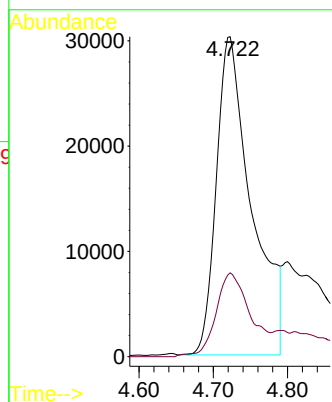
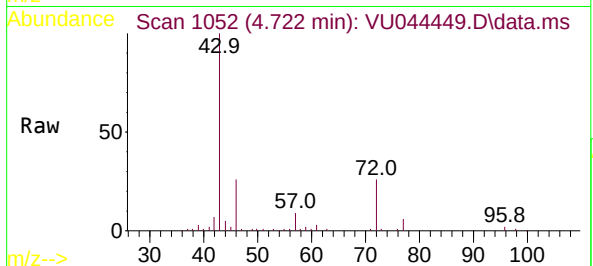




#21
2-Butanone
Concen: 29.871 ug/L
RT: 4.722 min Scan# 1052
Delta R.T. 0.006 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

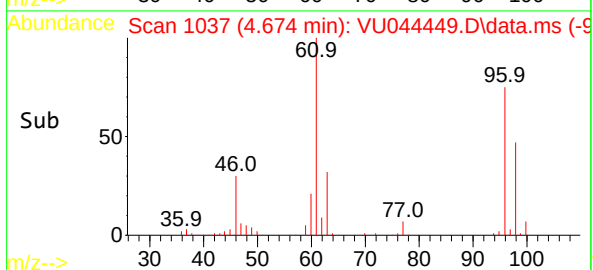
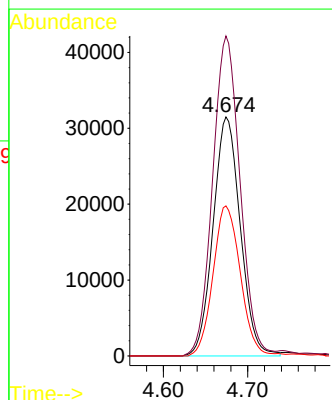
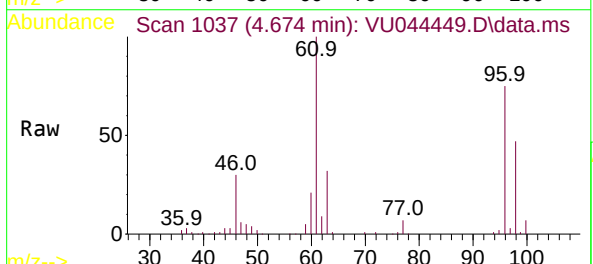
Instrument :
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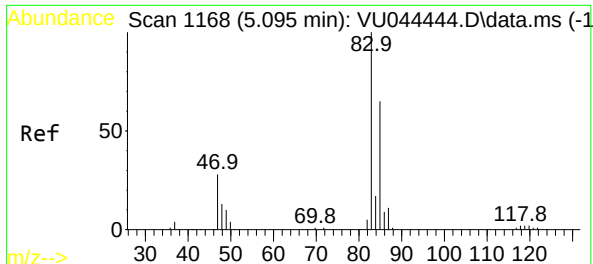
Tgt Ion: 43 Resp: 99472
Ion Ratio Lower Upper
43 100
72 25.8 14.1 42.4



#22
cis-1,2-Dichloroethene
Concen: 6.555 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 96 Resp: 70606
Ion Ratio Lower Upper
96 100
61 133.8 93.9 174.5
98 62.8 44.7 83.1



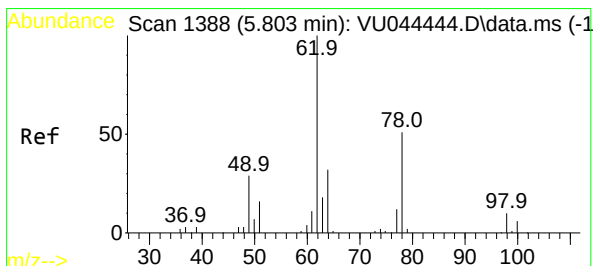
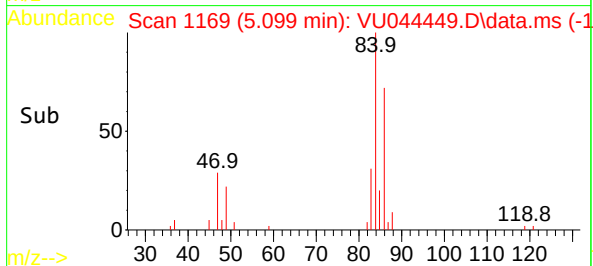
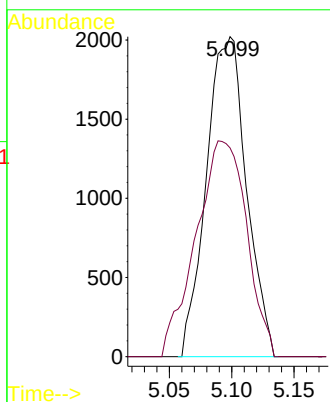
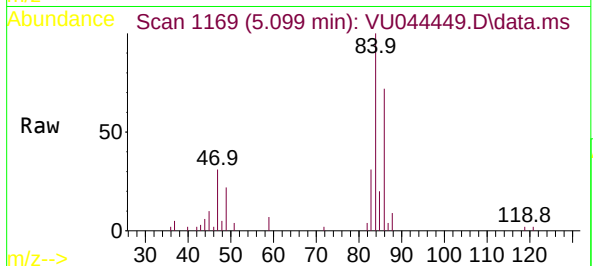


#25

Chloroform
Concen: 0.226 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.003 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Instrument :
MSVOA_U
ClientSampled :
X3622

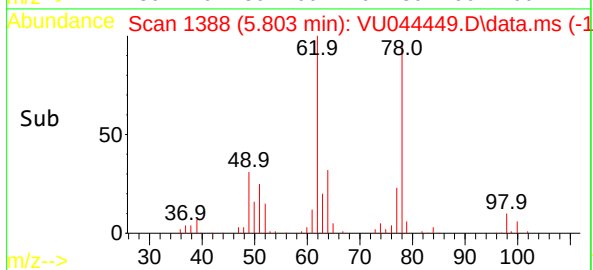
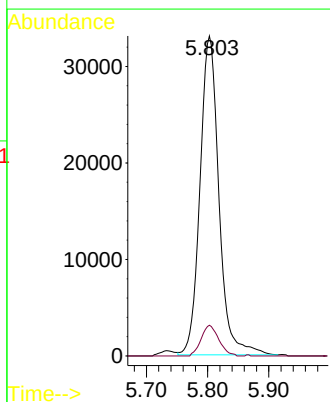
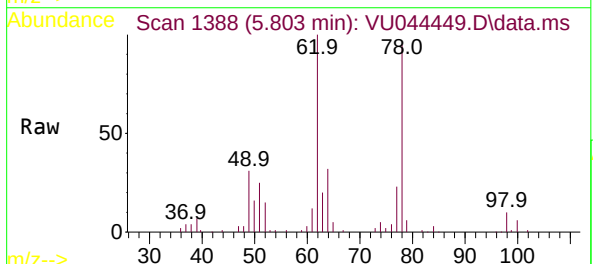
Tgt Ion: 83 Resp: 4523
Ion Ratio Lower Upper
83 100
85 65.3 45.3 84.1

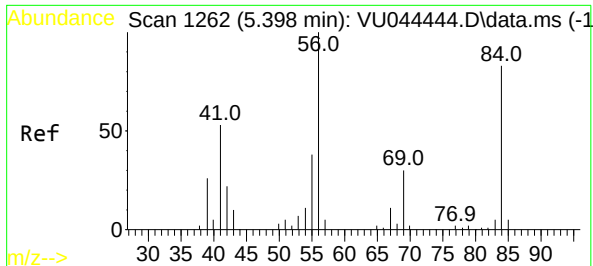


#27

1,2-Dichloroethane
Concen: 5.318 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 62 Resp: 71084
Ion Ratio Lower Upper
62 100
98 9.6 8.0 12.0





#30

Cyclohexane

Concen: 11.398 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VU044449.D

Acq: 18 Aug 2021 16:10

Tgt Ion: 56 Resp: 199130

Ion Ratio Lower Upper

56 100

69 30.6 24.3 36.5

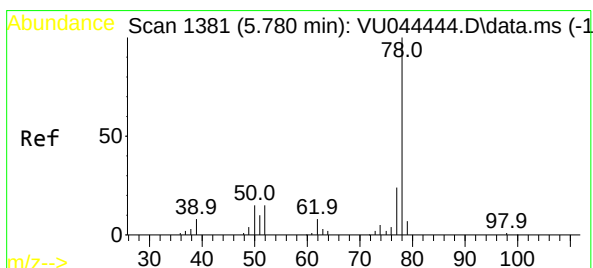
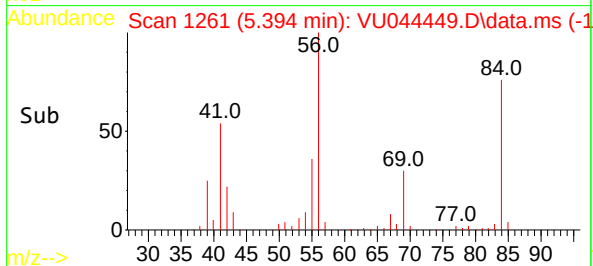
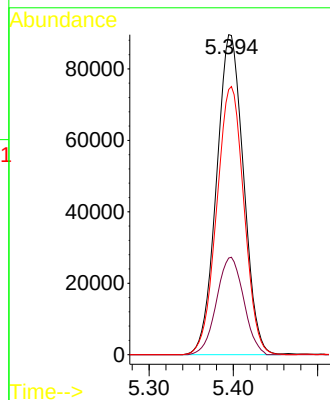
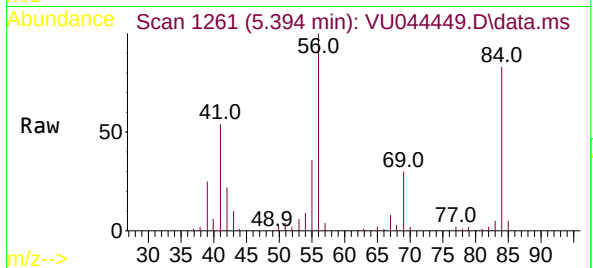
84 84.6 68.4 102.6

Instrument :

MSVOA_U

ClientSampled :

X3622



#33

Benzene

Concen: 5.212 ug/L

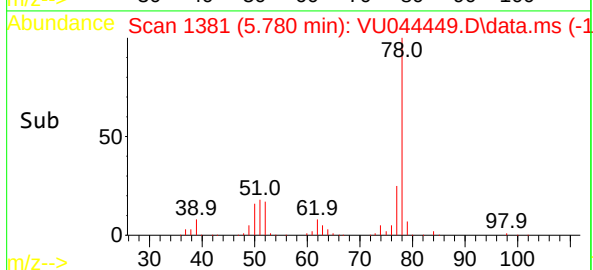
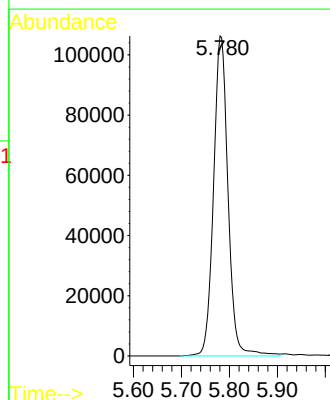
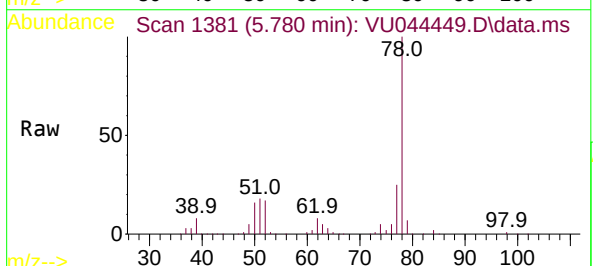
RT: 5.780 min Scan# 1381

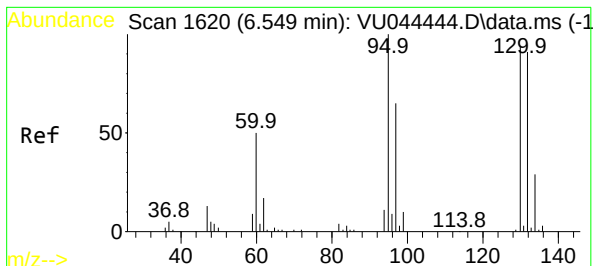
Delta R.T. -0.000 min

Lab File: VU044449.D

Acq: 18 Aug 2021 16:10

Tgt Ion: 78 Resp: 223303



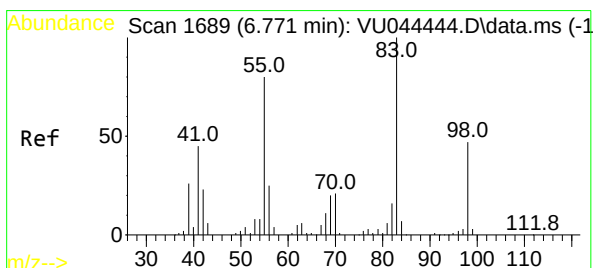
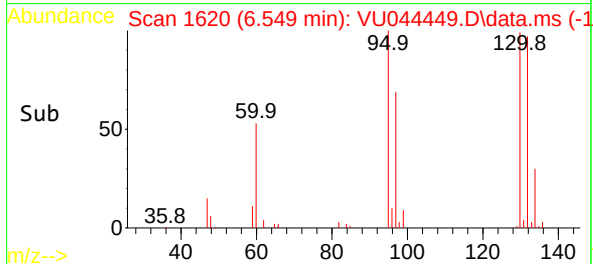
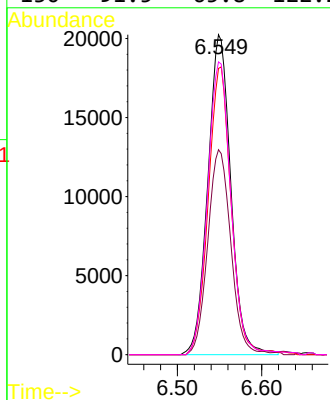
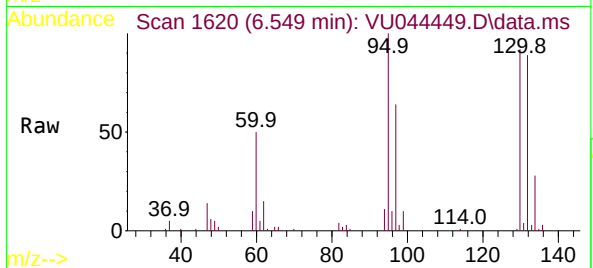


#34
Trichloroethene
Concen: 3.631 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Instrument :
MSVOA_U
ClientSampled :
X3622

Tgt Ion: 95 Resp: 38457

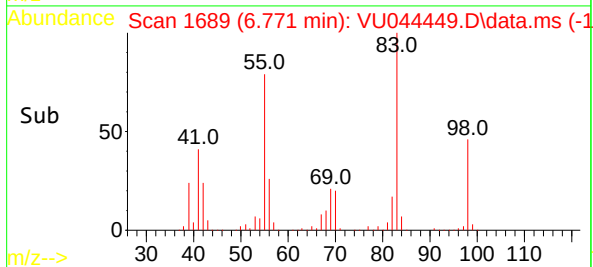
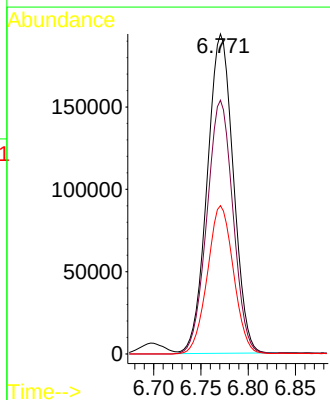
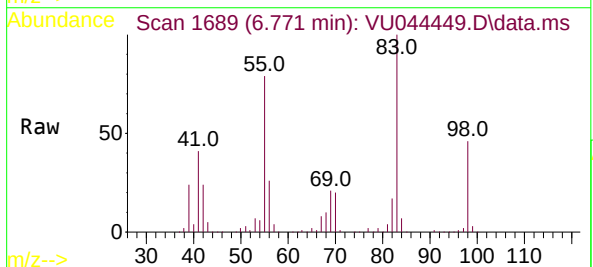
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.6	84.8
132	89.4	63.4	117.8
130	91.5	65.8	122.2

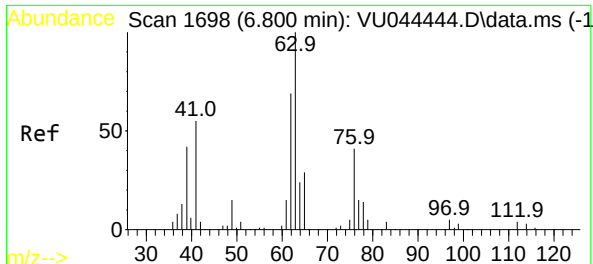


#35
Methylcyclohexane
Concen: 21.102 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 83 Resp: 372778

Ion	Ratio	Lower	Upper
83	100		
55	79.7	64.8	97.2
98	46.4	37.5	56.3

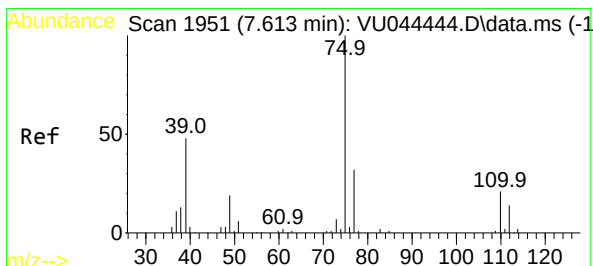
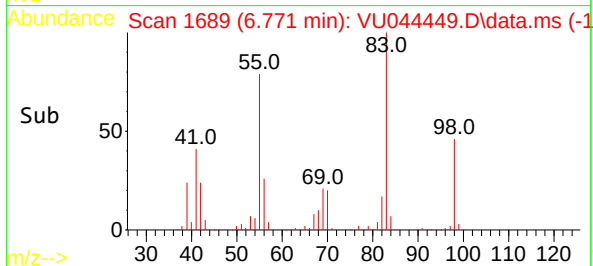
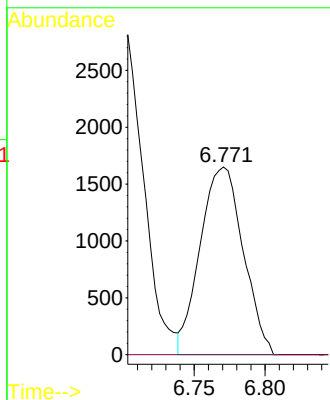
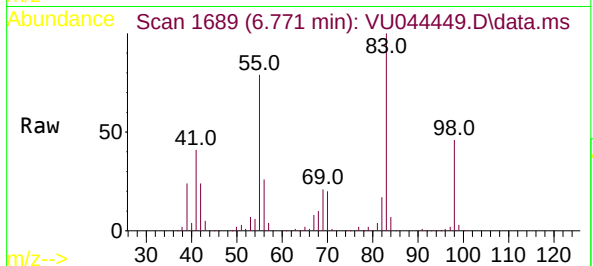




#37
1,2-Dichloropropane
Concen: 0.310 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.029 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

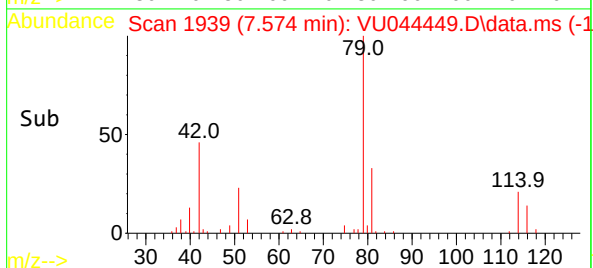
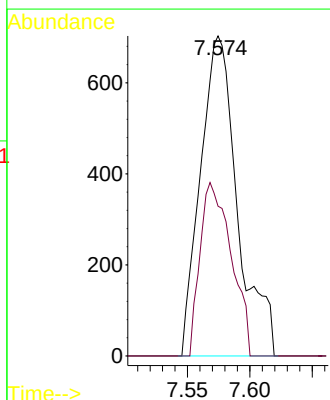
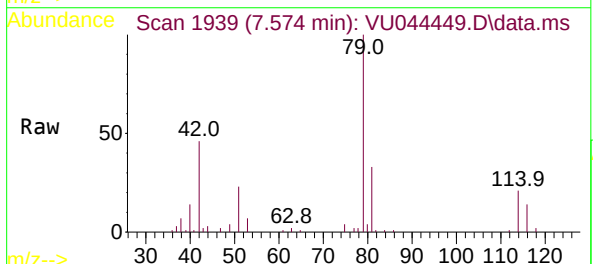
Instrument :
MSVOA_U
ClientSampleId :
X3622

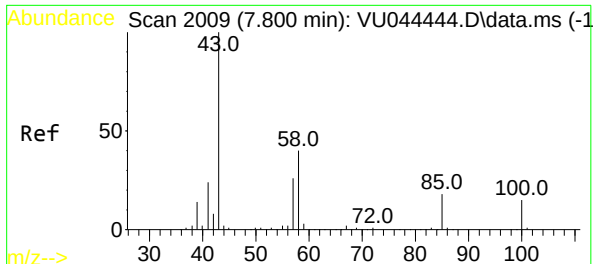
Tgt Ion: 63 Resp: 3480
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#39
cis-1,3-Dichloropropene
Concen: 0.092 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 75 Resp: 1455
Ion Ratio Lower Upper
75 100
77 46.8 22.2 41.2#

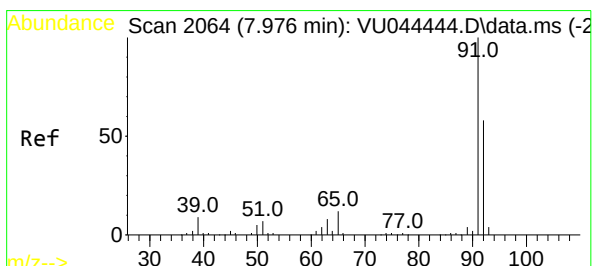
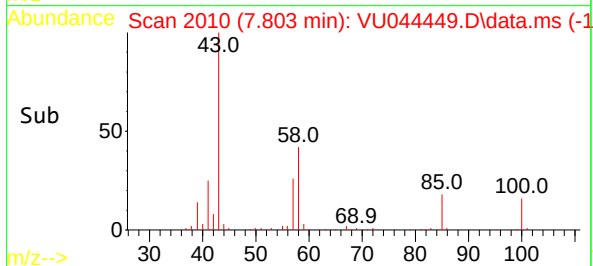
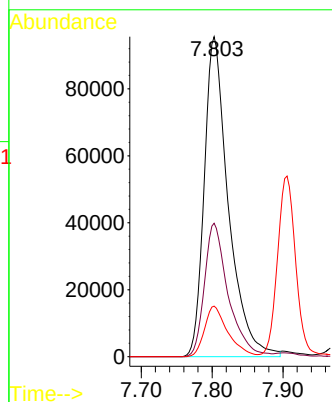
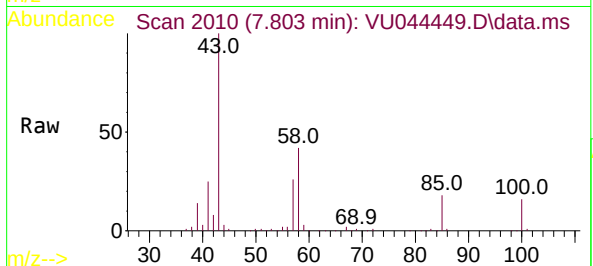




#40
4-Methyl-2-pentanone
Concen: 29.736 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

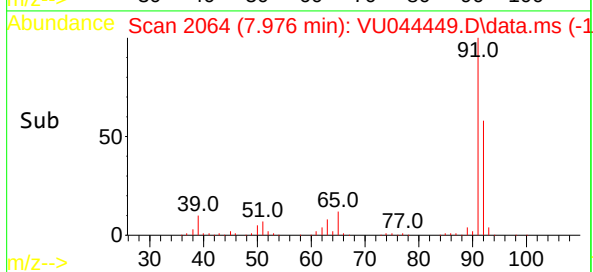
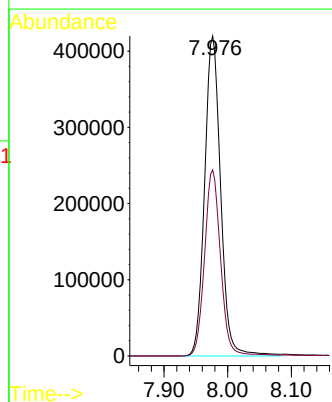
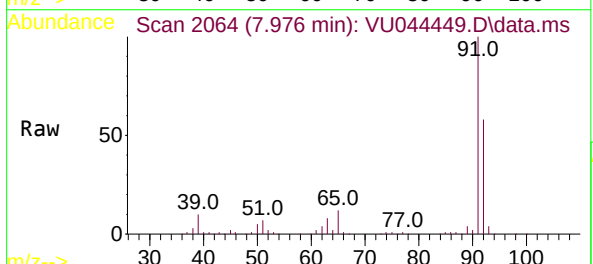
Instrument :
MSVOA_U
ClientSampled :
X3622

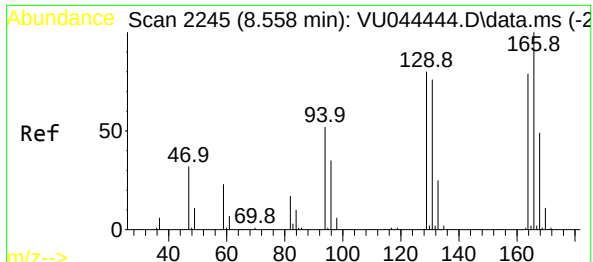
Tgt Ion: 43 Resp: 226507
Ion Ratio Lower Upper
43 100
58 41.1 32.5 48.7
100 15.3 12.3 18.5



#42
Toluene
Concen: 16.501 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 91 Resp: 736393
Ion Ratio Lower Upper
91 100
92 58.1 40.7 75.5

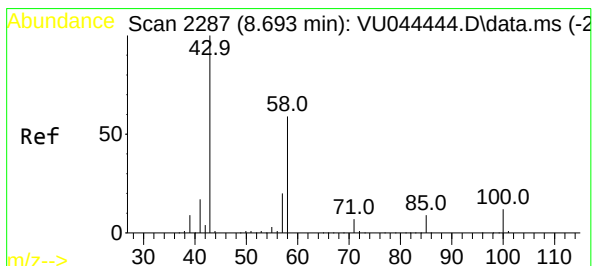
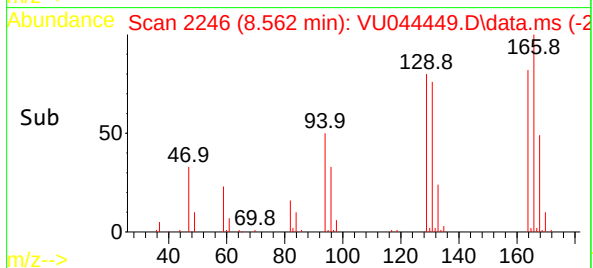
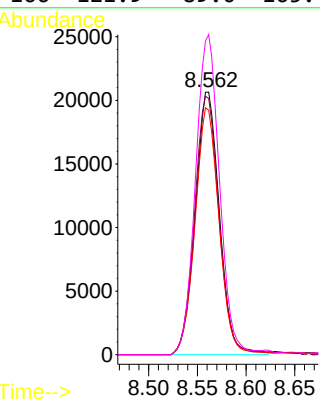
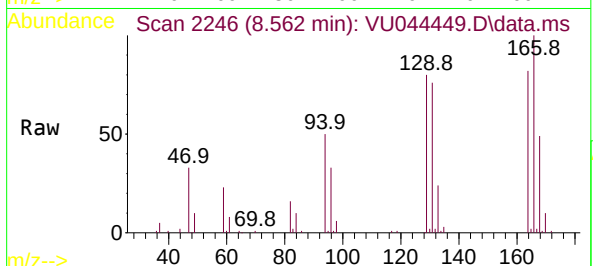




#47
Tetrachloroethene
Concen: 4.842 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.003 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

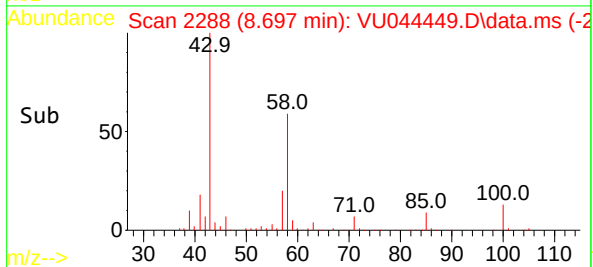
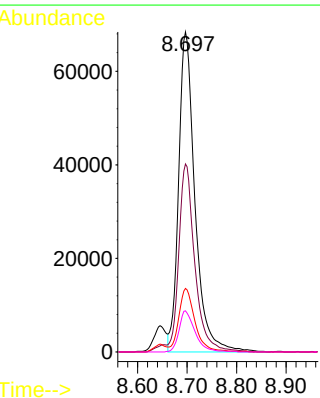
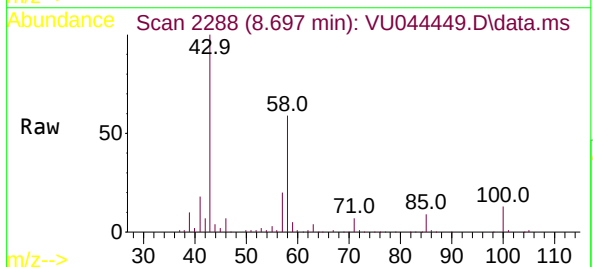
Instrument :
MSVOA_U
ClientSampled :
X3622

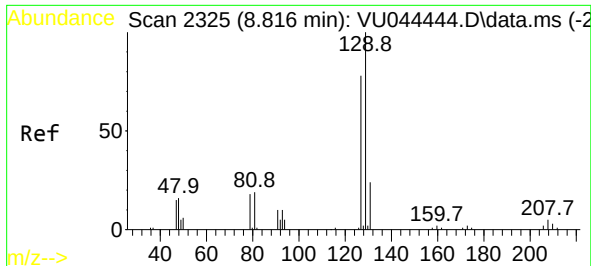
Tgt Ion:164 Resp: 35462
Ion Ratio Lower Upper
164 100
129 97.6 71.0 131.8
131 93.1 68.0 126.4
166 121.9 89.0 165.4



#48
2-Hexanone
Concen: 28.959 ug/L
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 43 Resp: 157397
Ion Ratio Lower Upper
43 100
58 59.0 46.5 69.7
57 19.5 15.8 23.8
100 12.4 9.8 14.8





#49

Dibromochloromethane

Concen: 4.214 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.257 min

Lab File: VU044449.D

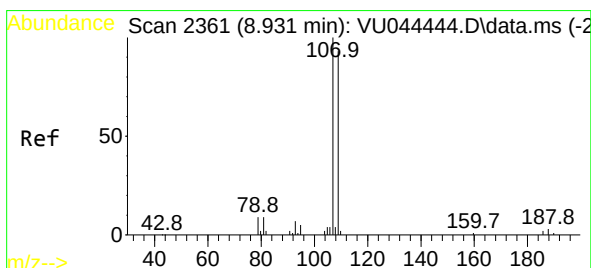
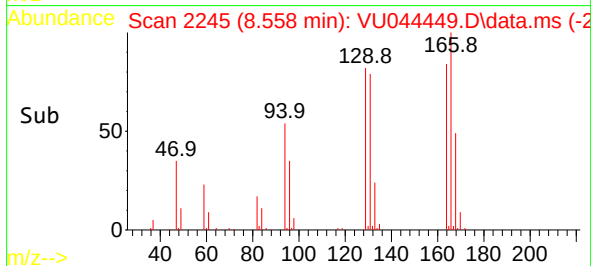
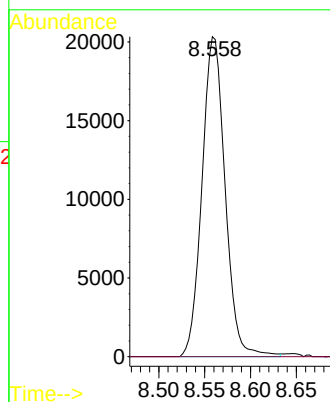
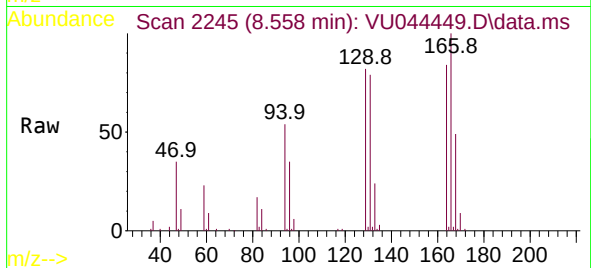
Acq: 18 Aug 2021 16:10

Tgt Ion:129 Resp: 35671

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#50

1,2-Dibromoethane

Concen: 1.960 ug/L

RT: 8.931 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VU044449.D

Acq: 18 Aug 2021 16:10

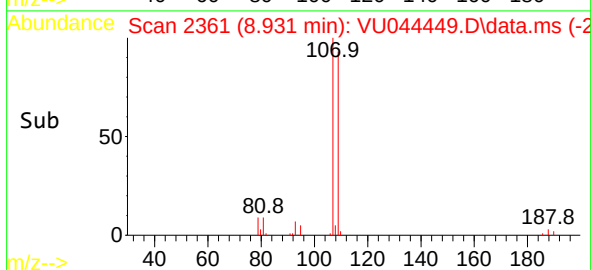
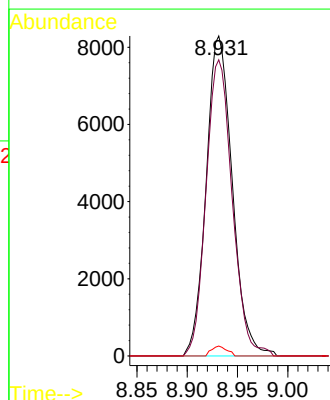
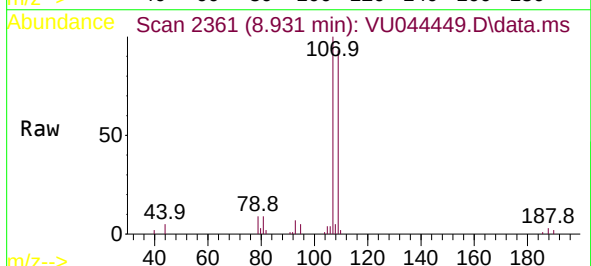
Tgt Ion:107 Resp: 15001

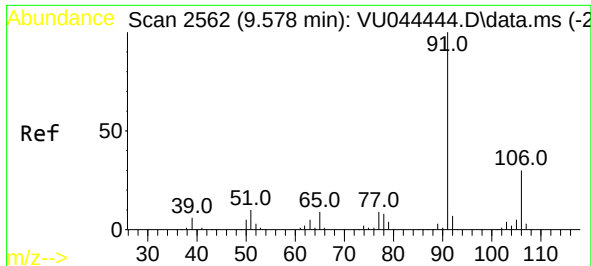
Ion Ratio Lower Upper

107 100

109 92.6 65.2 121.0

188 3.1 2.4 3.6

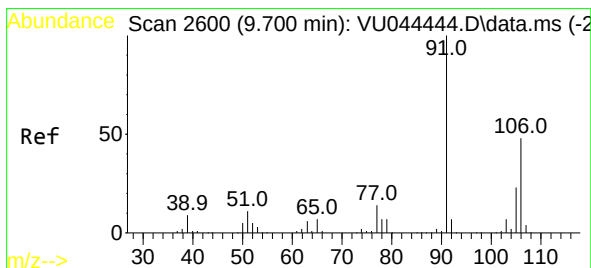
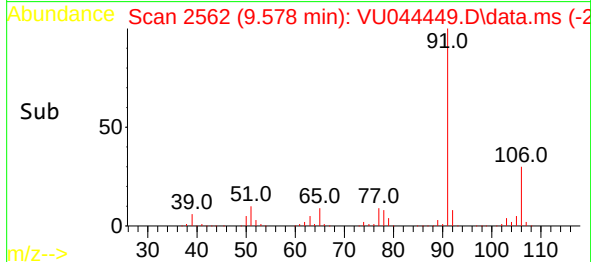
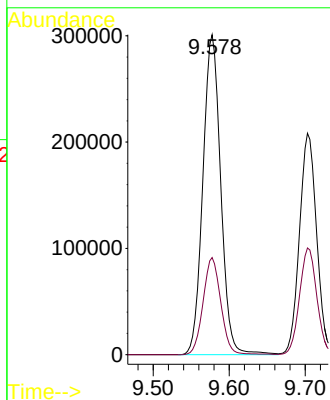
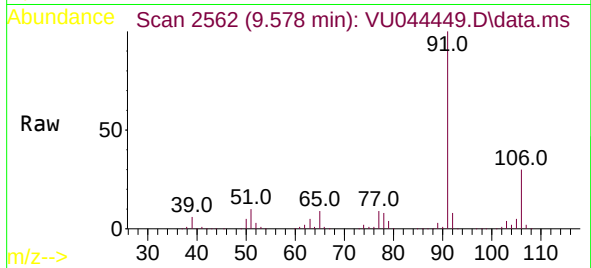




#52
Ethylbenzene
Concen: 10.436 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

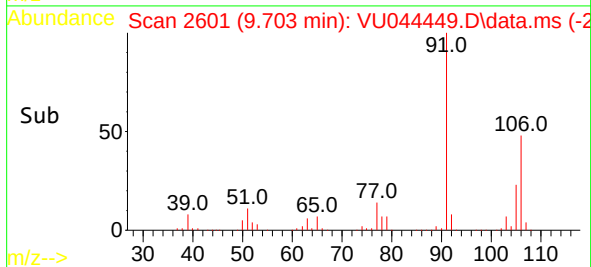
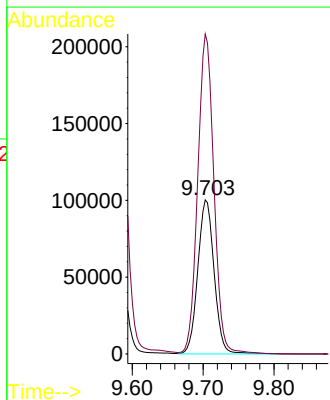
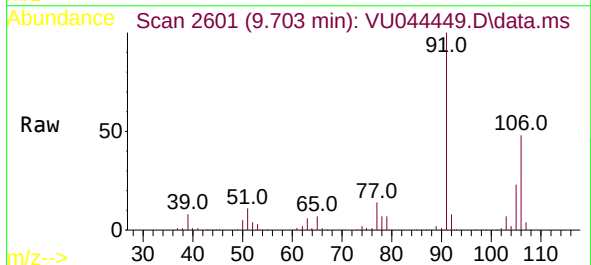
Instrument :
MSVOA_U
ClientSampled :
X3622

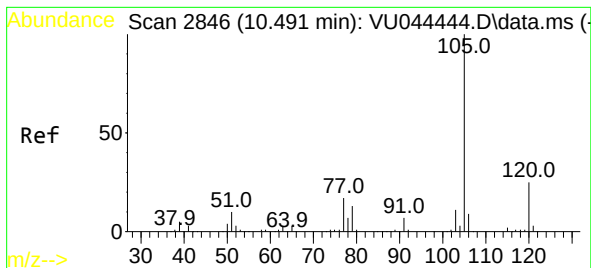
Tgt Ion: 91 Resp: 491988
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.6



#53
m,p-Xylene
Concen: 9.052 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 106 Resp: 160431
Ion Ratio Lower Upper
106 100
91 207.7 146.2 271.6

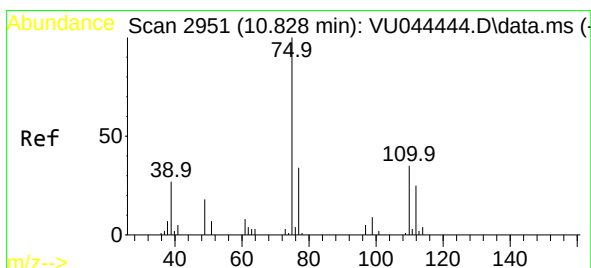
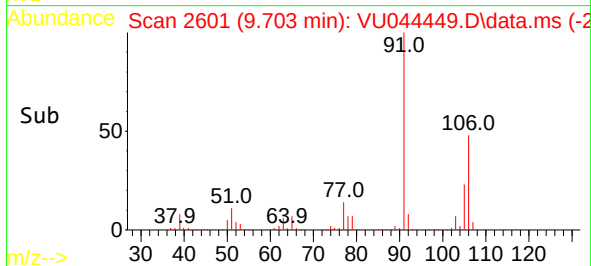
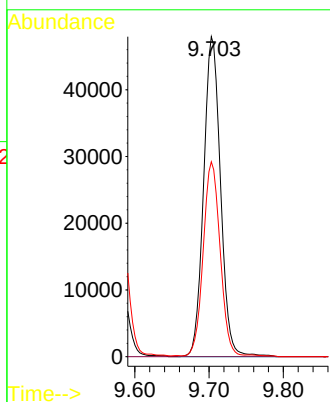
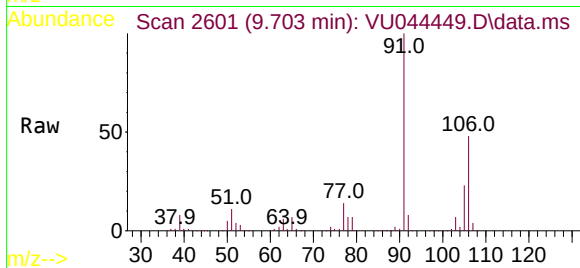




#60
Isopropylbenzene
Concen: 1.672 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. -0.788 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

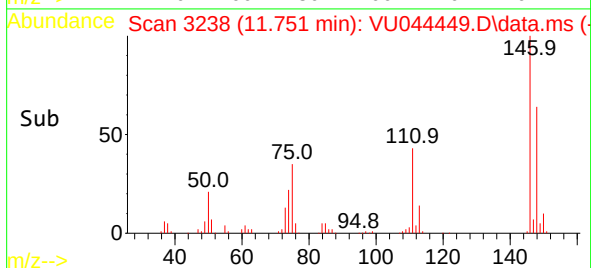
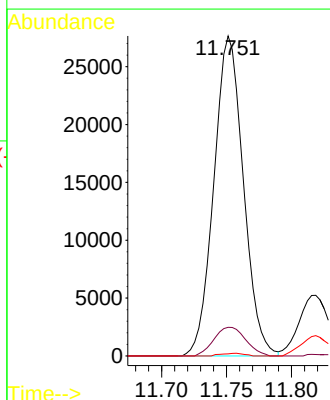
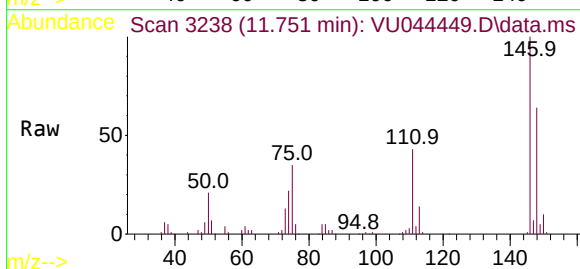
Instrument :
MSVOA_U
ClientSampled :
X3622

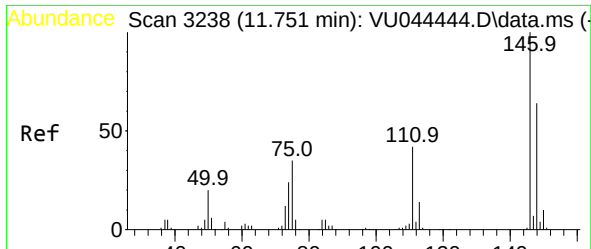
Tgt Ion:105 Resp: 75796
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#
77 60.1 13.4 20.0#



#61
1,2,3-Trichloropropane
Concen: 5.630 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.923 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion: 75 Resp: 43688
Ion Ratio Lower Upper
75 100
110 9.6 28.4 42.6#
77 0.0 26.5 39.7#

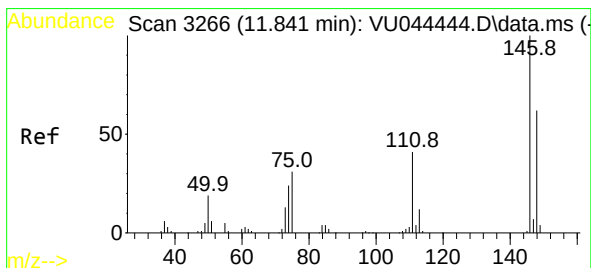
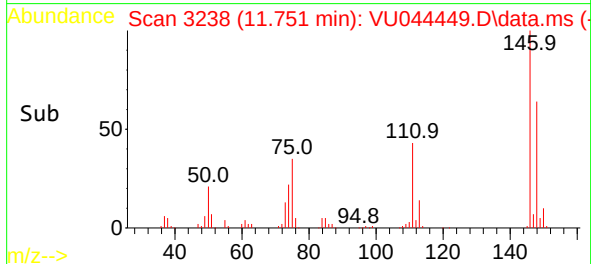
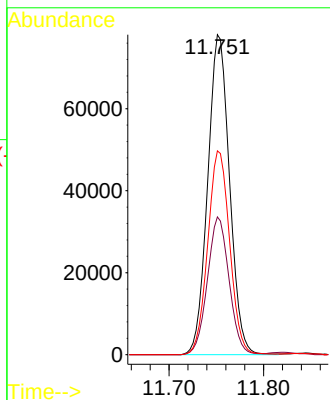
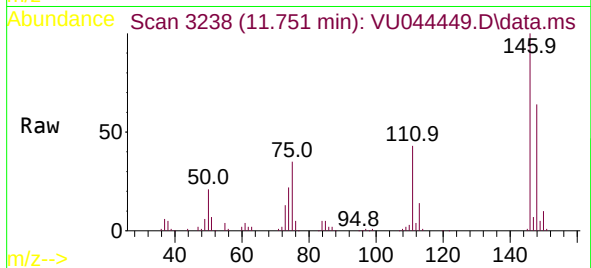




#64
1,3-Dichlorobenzene
Concen: 6.288 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

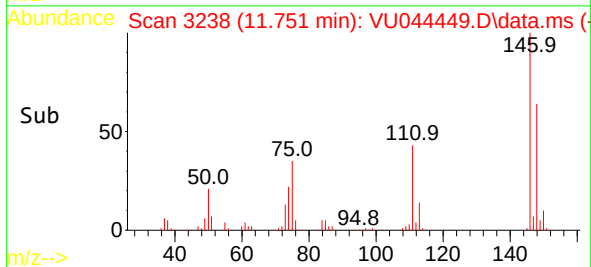
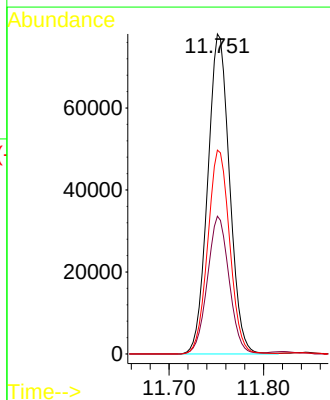
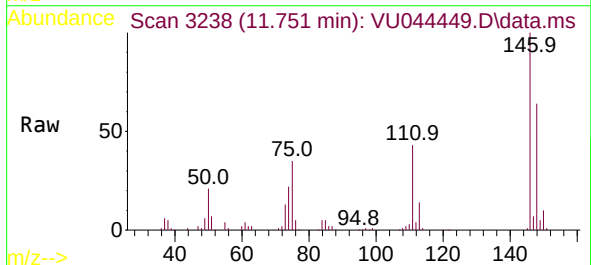
Instrument :
MSVOA_U
ClientSampled :
X3622

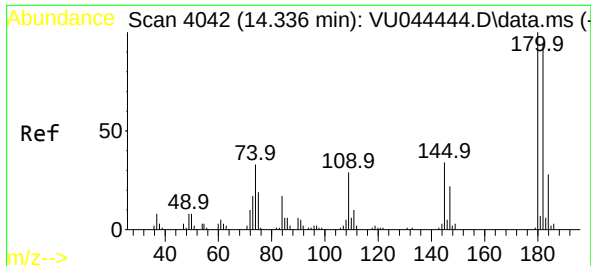
Tgt Ion:146 Resp: 125146
Ion Ratio Lower Upper
146 100
111 43.1 29.6 55.0
148 63.7 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 6.224 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.090 min
Lab File: VU044449.D
Acq: 18 Aug 2021 16:10

Tgt Ion:146 Resp: 125146
Ion Ratio Lower Upper
146 100
111 43.1 28.8 53.4
148 63.7 43.6 81.0





#72
 1,2,3-Trichlorobenzene
 Concen: 0.039 ug/L
 RT: 14.336 min Scan# 4042
 Delta R.T. -0.000 min
 Lab File: VU044449.D
 Acq: 18 Aug 2021 16:10

Instrument :
 MSVOA_U
 ClientSampleId :
 X3622

Tgt Ion:180 Resp: 390
 Ion Ratio Lower Upper
 180 100
 182 49.7 76.4 114.6#
 145 0.0 27.1 40.7#

