

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081821\
 Data File : VU044451.D
 Acq On : 18 Aug 2021 17:01
 Operator : SY/MD
 Sample : M3395-14DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 X3622DL

Quant Time: Aug 19 04:04:53 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	121455	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	121050	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	56192	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	43202	4.398	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.916	69	38922	4.559	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.572	65	18829	4.506	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	4.642	46	85043	31.304	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	62.600%
24) Chloroform-d	5.070	84	74453	4.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.710	65	43030	4.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.735	84	158863	4.661	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.697	67	51128	4.689	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.903	98	139353	4.610	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.186	79	17368	4.435	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.645	63	101196	47.784	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.560%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	41182	4.484	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	12.198	152	45935	4.838	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
6) Bromomethane	1.861	94	3925	0.477	ug/L	91
12) 1,1-Dichloroethene	2.584	96	5129	0.549	ug/L #	1
13) Acetone	2.649	43	14280	6.330	ug/L	86
14) Carbon disulfide	2.800	76	61891	2.044	ug/L	100
15) Methyl Acetate	2.961	43	34666	9.409	ug/L	99
16) Methylene chloride	3.054	84	18571	1.339	ug/L	96
17) Methyl tert-butyl Ether	3.372	73	67517	2.797	ug/L	100
21) 2-Butanone	4.729	43	12159	3.782	ug/L	98
22) cis-1,2-Dichloroethene	4.674	96	17243	1.658	ug/L	95
27) 1,2-Dichloroethane	5.800	62	17987	1.394	ug/L #	95
30) Cyclohexane	5.395	56	45382	2.710	ug/L	100
33) Benzene	5.781	78	55479	1.351	ug/L	100
34) Trichloroethene	6.549	95	9399	0.926	ug/L	96
35) Methylcyclohexane	6.771	83	83134	4.909	ug/L	99
37) 1,2-Dichloropropane	6.771	63	906	0.084	ug/L #	88
39) cis-1,3-Dichloropropene	7.575	75	1263	0.084	ug/L #	42
40) 4-Methyl-2-pentanone	7.803	43	52410	7.178	ug/L	98
42) Toluene	7.977	91	172260	4.027	ug/L	99
47) Tetrachloroethene	8.559	164	8397	1.196	ug/L	97

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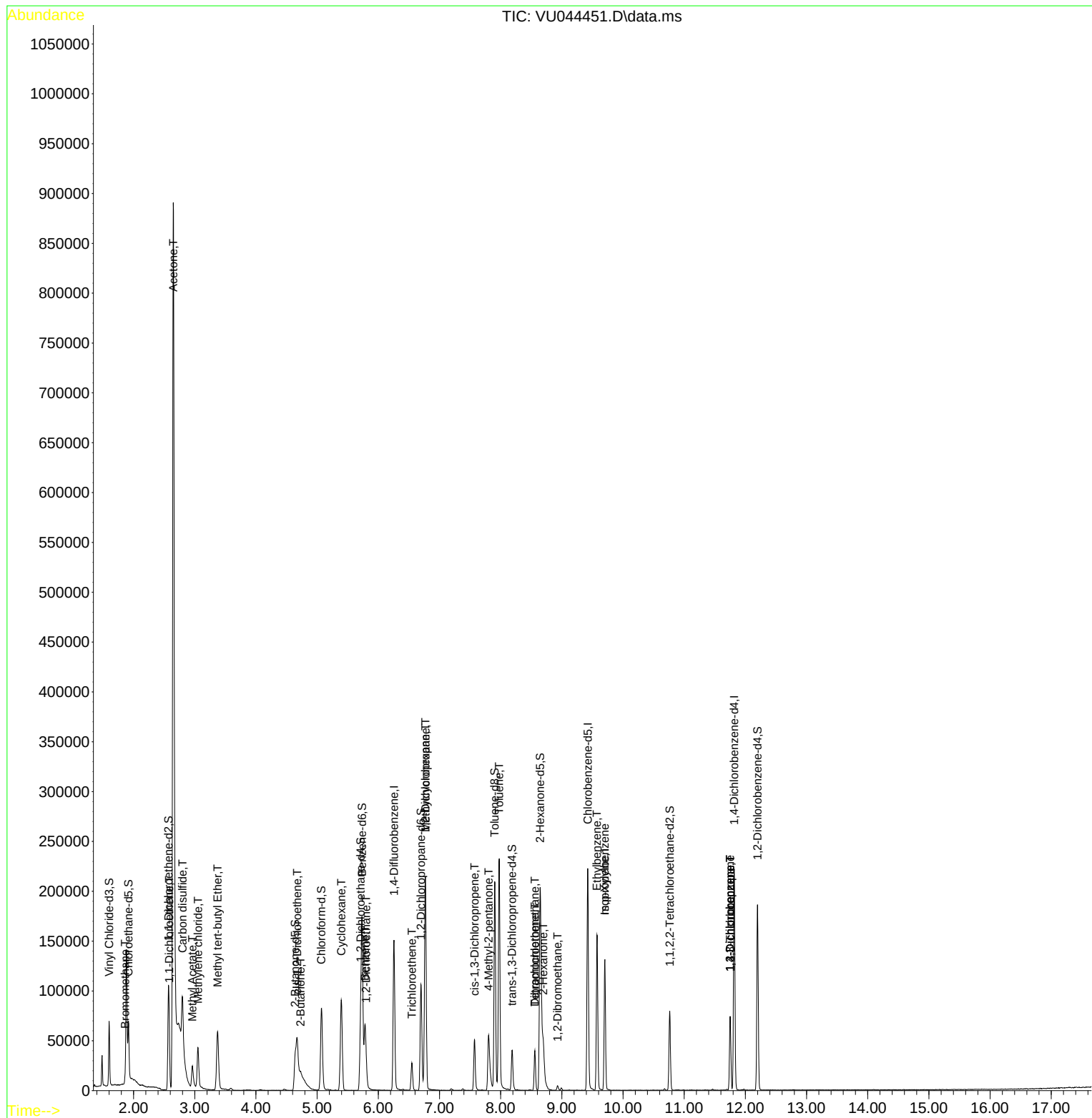
48) 2-Hexanone	8.697	43	30075	5.772	ug/L	98
49) Dibromochloromethane	8.559	129	8323	1.026	ug/L #	10
50) 1,2-Dibromoethane	8.928	107	3431	0.468	ug/L #	92
52) Ethylbenzene	9.575	91	111926	2.477	ug/L	98
53) m,p-Xylene	9.703	106	35721	2.102	ug/L	97
60) Isopropylbenzene	9.703	105	17757	0.433	ug/L #	31
61) 1,2,3-Trichloropropane	11.751	75	10007	1.425	ug/L #	49
64) 1,3-Dichlorobenzene	11.751	146	29333	1.629	ug/L	98
65) 1,4-Dichlorobenzene	11.751	146	29333	1.612	ug/L	99

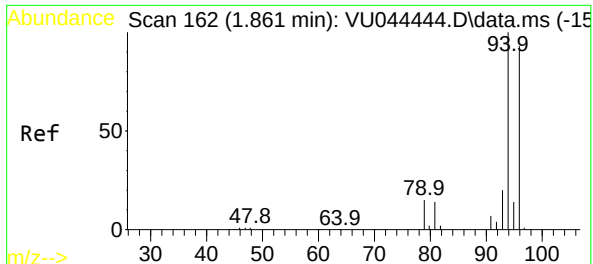
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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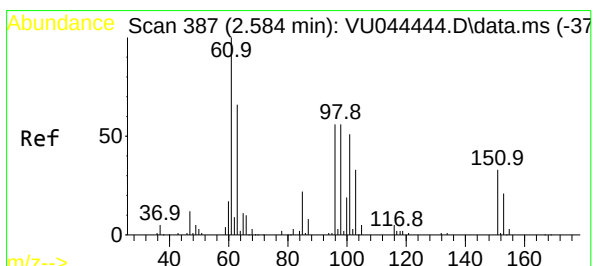
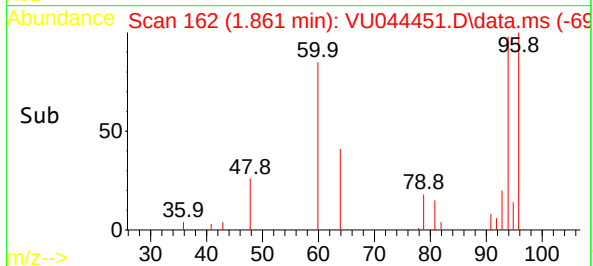
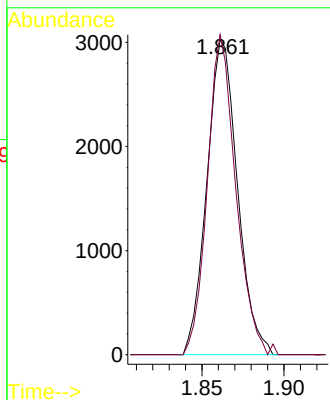
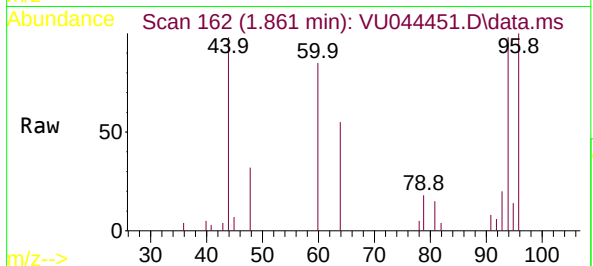




#6
Bromomethane
Concen: 0.477 ug/L
RT: 1.861 min Scan# 162
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

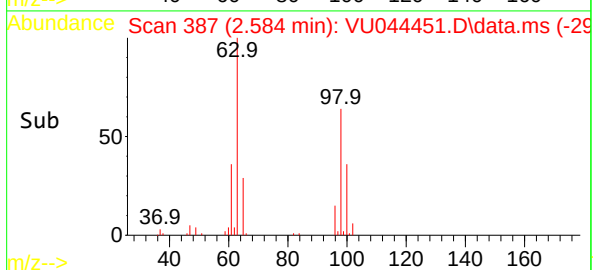
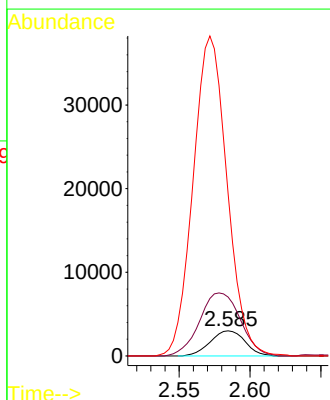
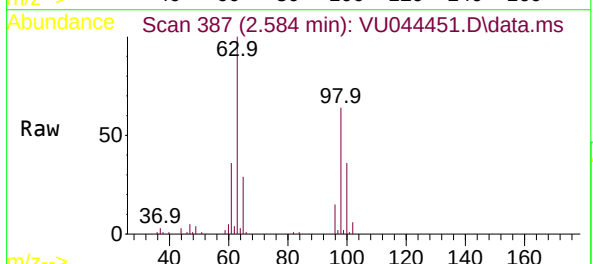
Instrument :
MSVOA_U
ClientSampleId :
X3622DL

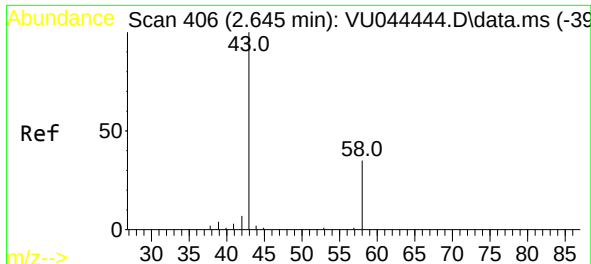
Tgt Ion: 94 Resp: 3925
Ion Ratio Lower Upper
94 100
96 101.6 65.2 121.2



#12
1,1-Dichloroethene
Concen: 0.549 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion: 96 Resp: 5129
Ion Ratio Lower Upper
96 100
61 234.7 126.1 234.3#
63 646.2 84.8 157.6#

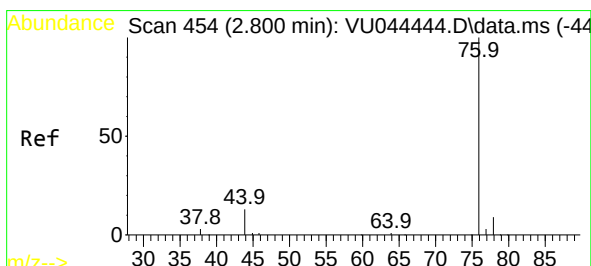
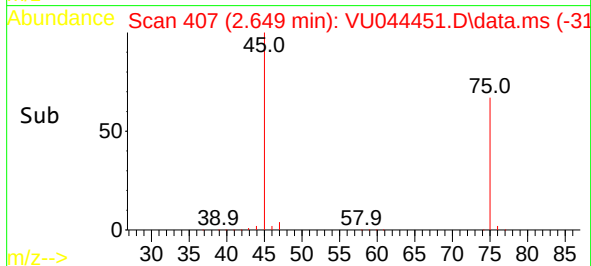
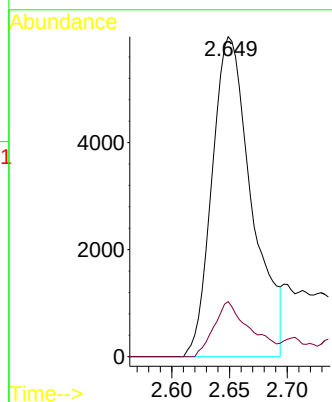
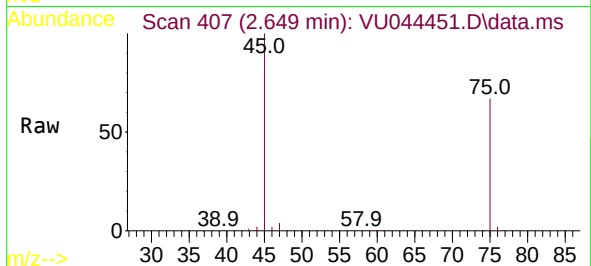




#13
Acetone
Concen: 6.330 ug/L
RT: 2.649 min Scan# 407
Delta R.T. 0.003 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

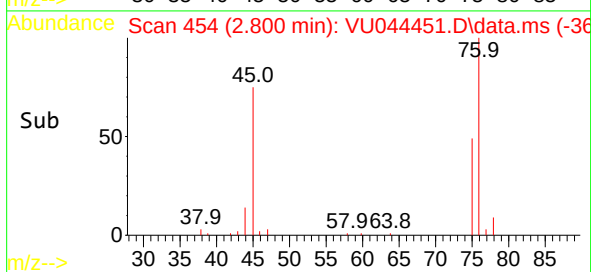
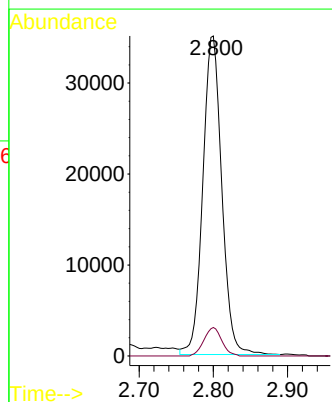
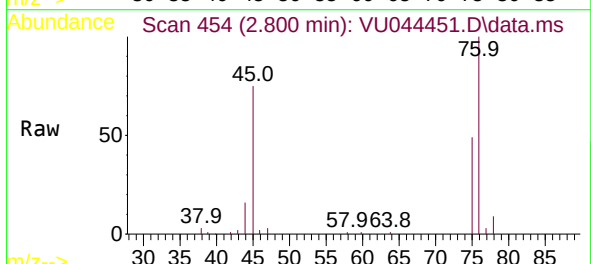
Instrument :
MSVOA_U
ClientSampleID :
X3622DL

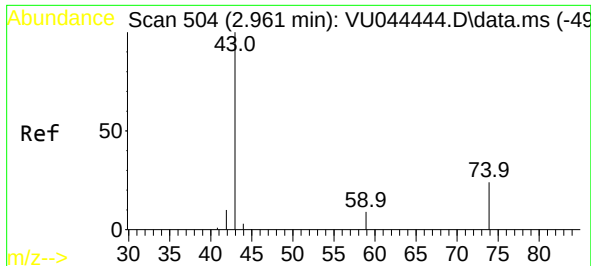
Tgt Ion: 43 Resp: 14280
Ion Ratio Lower Upper
43 100
58 15.8 0.0 45.4



#14
Carbon disulfide
Concen: 2.044 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion: 76 Resp: 61891
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

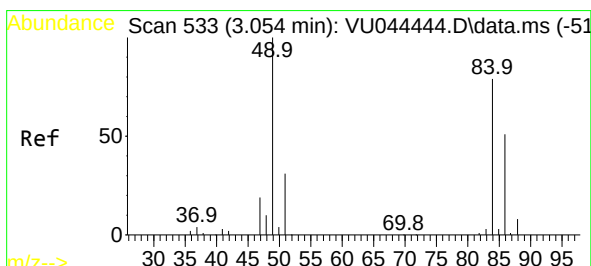
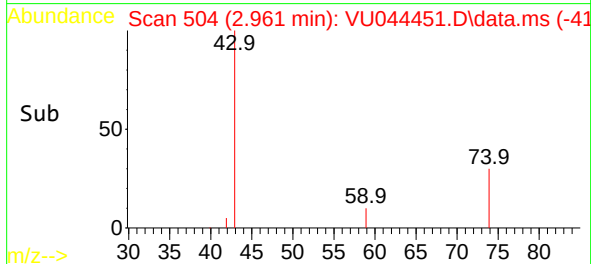
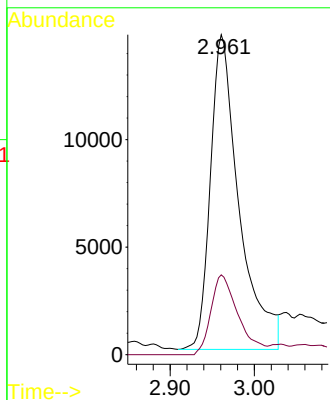
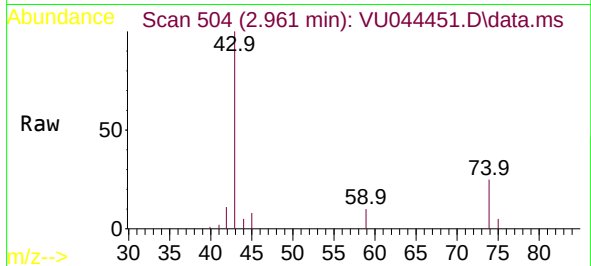




#15
Methyl Acetate
Concen: 9.409 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

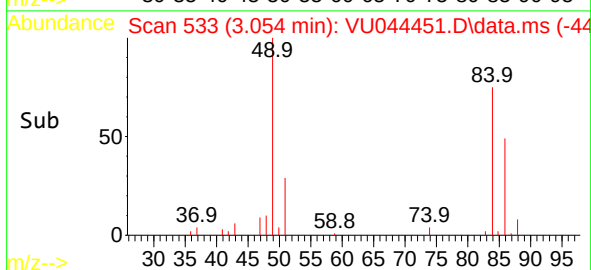
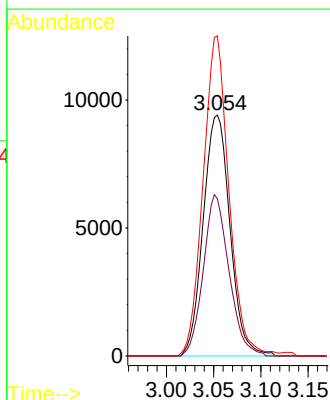
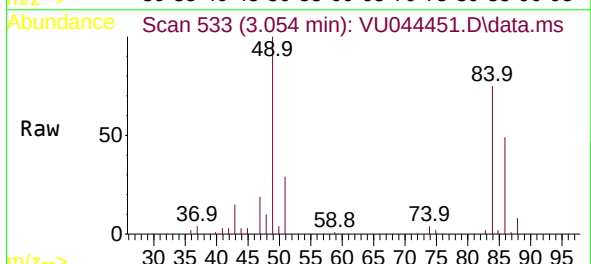
Instrument :
MSVOA_U
ClientSampled :
X3622DL

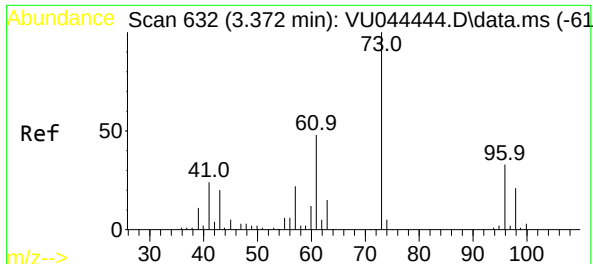
Tgt Ion: 43 Resp: 34666
Ion Ratio Lower Upper
43 100
74 24.2 19.0 28.4



#16
Methylene chloride
Concen: 1.339 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion: 84 Resp: 18571
Ion Ratio Lower Upper
84 100
86 65.3 45.2 84.0
49 132.8 88.8 165.0

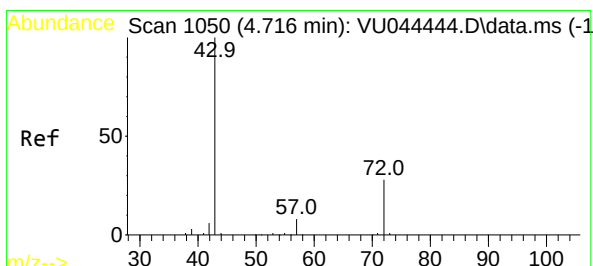
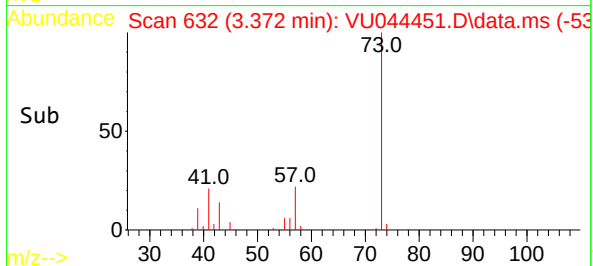
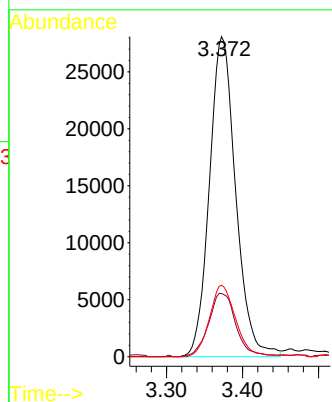
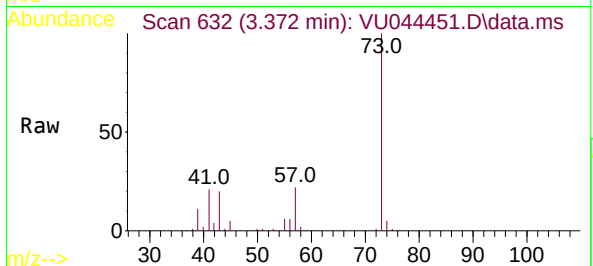




#17
Methyl tert-butyl Ether
Concen: 2.797 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

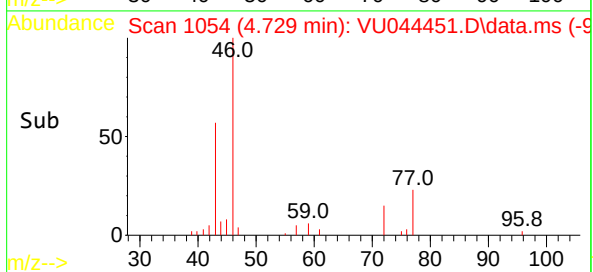
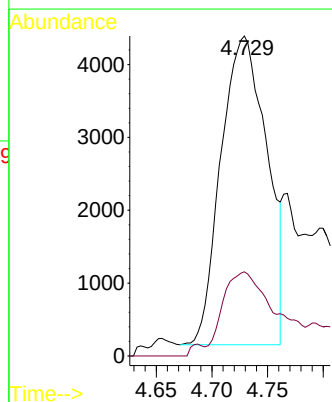
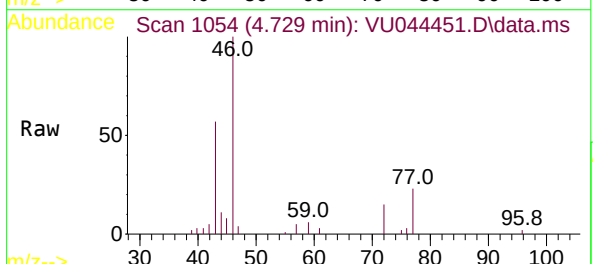
Instrument :
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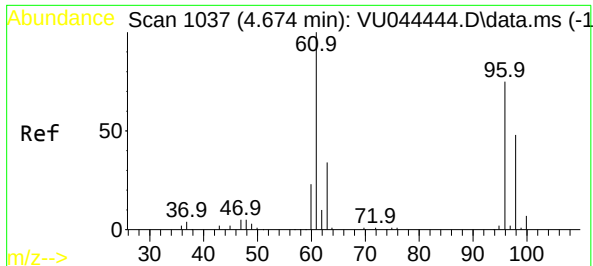
Tgt Ion:	73	Resp:	67517
Ion	Ratio	Lower	Upper
73	100		
43	20.7	16.2	24.4
57	22.2	17.8	26.8



#21
2-Butanone
Concen: 3.782 ug/L
RT: 4.729 min Scan# 1054
Delta R.T. 0.013 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion:	43	Resp:	12159
Ion	Ratio	Lower	Upper
43	100		
72	27.3	14.1	42.4

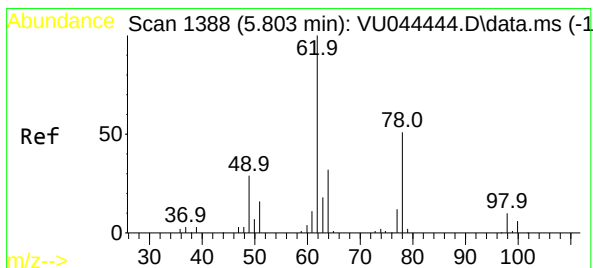
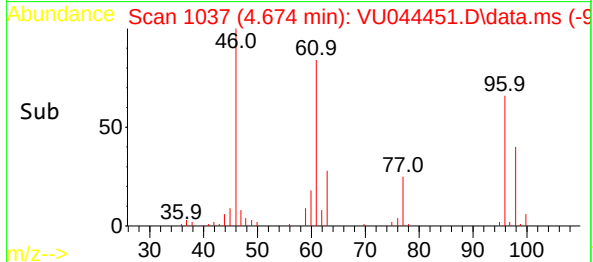
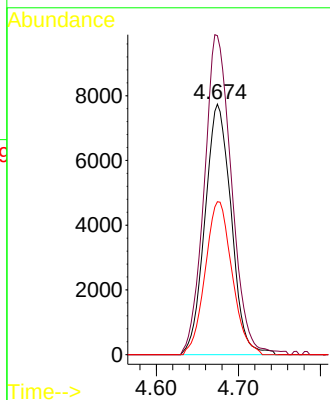
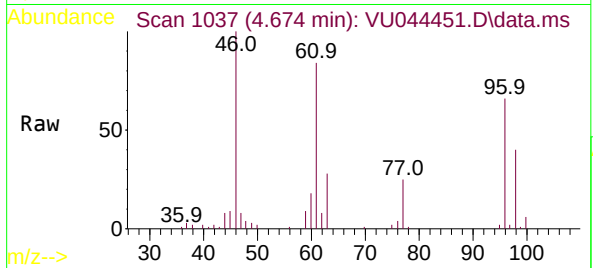




#22
 cis-1,2-Dichloroethene
 Concen: 1.658 ug/L
 RT: 4.674 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VU044451.D
 Acq: 18 Aug 2021 17:01

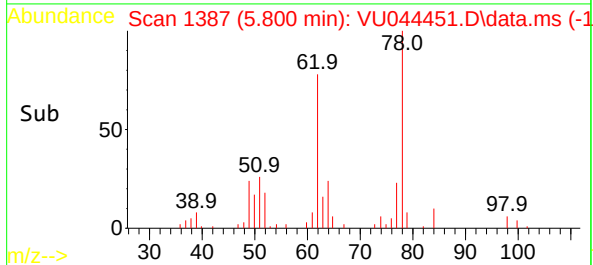
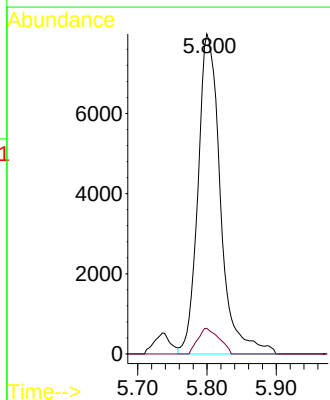
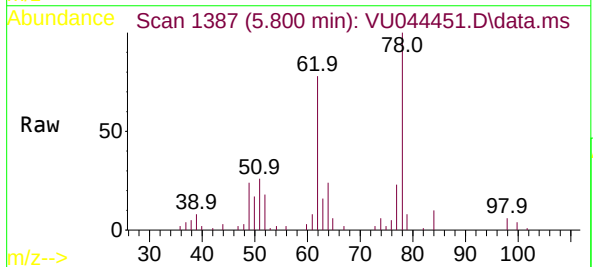
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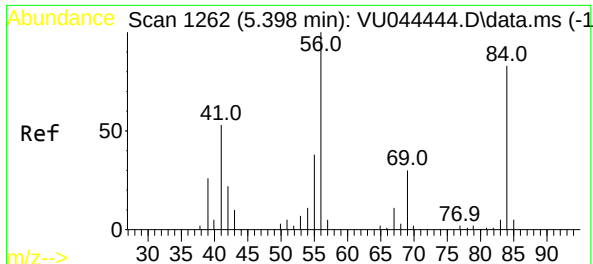
Tgt Ion:	96	Resp:	17243
Ion	Ratio	Lower	Upper
96	100		
61	127.3	93.9	174.5
98	61.0	44.7	83.1



#27
 1,2-Dichloroethane
 Concen: 1.394 ug/L
 RT: 5.800 min Scan# 1387
 Delta R.T. -0.003 min
 Lab File: VU044451.D
 Acq: 18 Aug 2021 17:01

Tgt Ion:	62	Resp:	17987
Ion	Ratio	Lower	Upper
62	100		
98	8.0	8.0	12.0#





#30

Cyclohexane

Concen: 2.710 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VU044451.D

Acq: 18 Aug 2021 17:01

Tgt Ion: 56 Resp: 45382

Ion Ratio Lower Upper

56 100

69 30.1 24.3 36.5

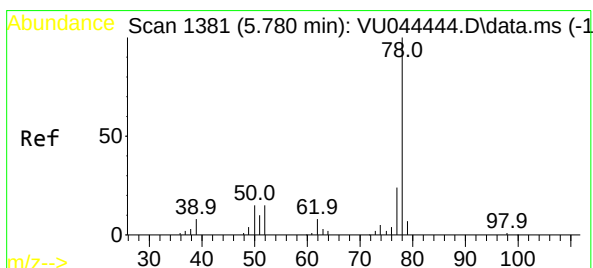
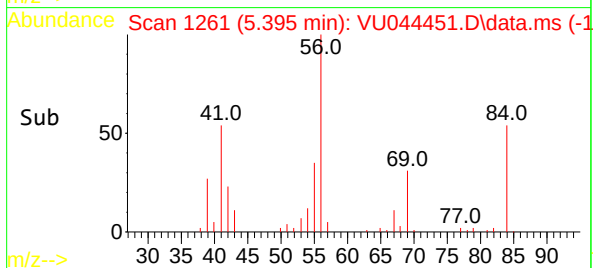
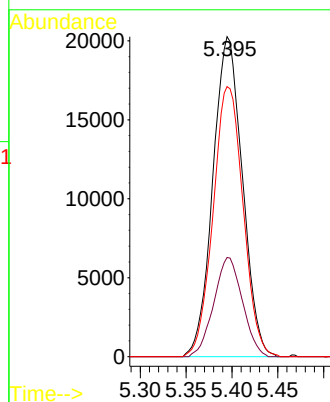
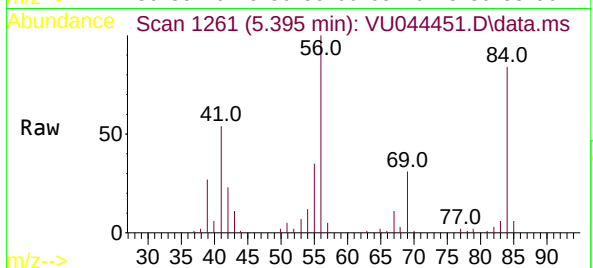
84 85.7 68.4 102.6

Instrument :

MSVOA_U

ClientSampleId :

X3622DL



#33

Benzene

Concen: 1.351 ug/L

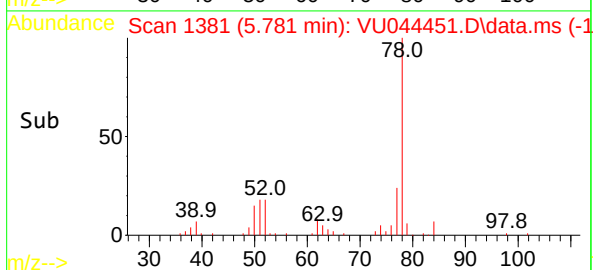
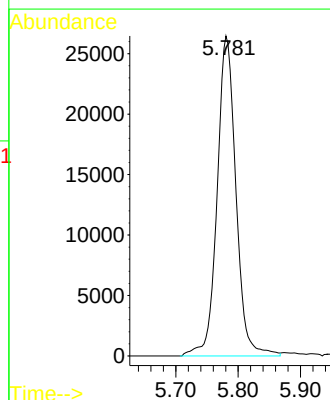
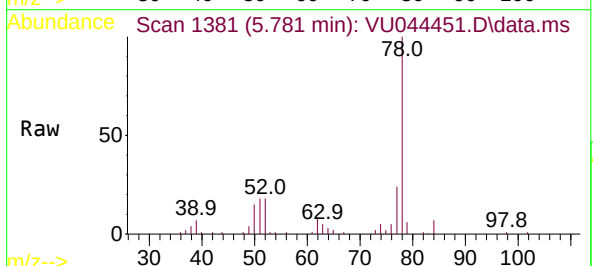
RT: 5.781 min Scan# 1381

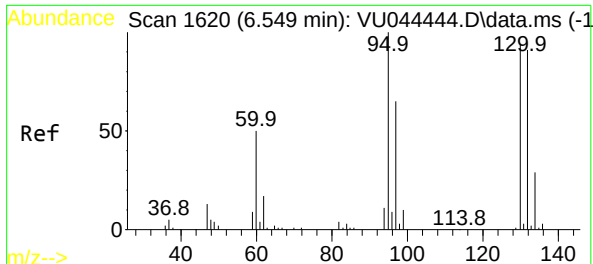
Delta R.T. 0.000 min

Lab File: VU044451.D

Acq: 18 Aug 2021 17:01

Tgt Ion: 78 Resp: 55479



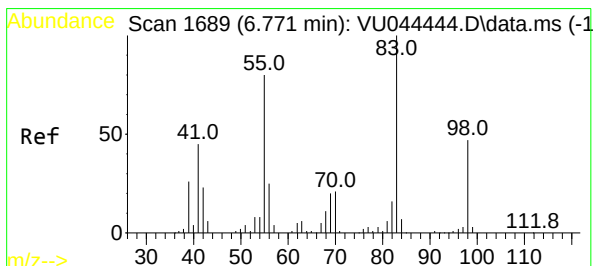
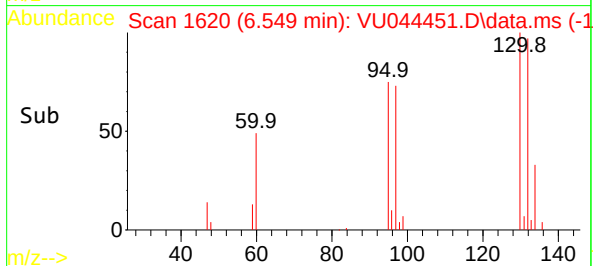
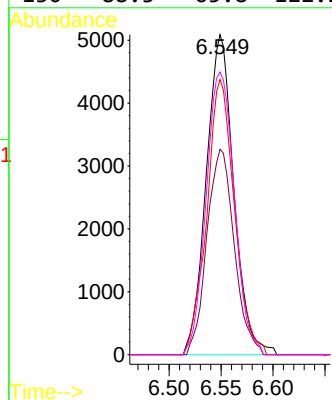
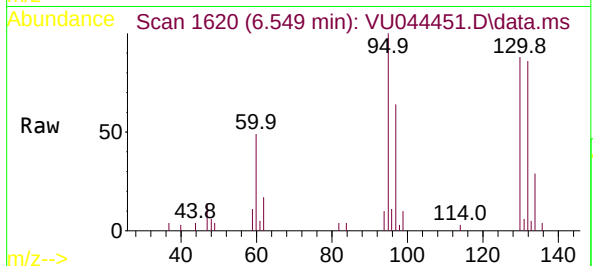


#34
Trichloroethene
Concen: 0.926 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Instrument :
MSVOA_U
ClientSampleId :
X3622DL

Tgt Ion: 95 Resp: 9399

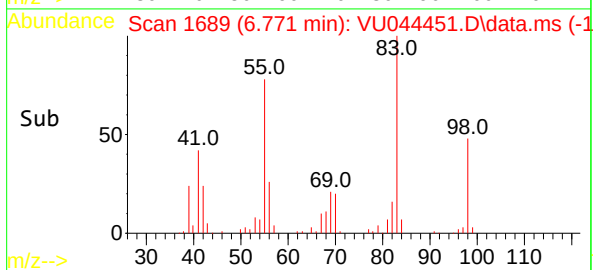
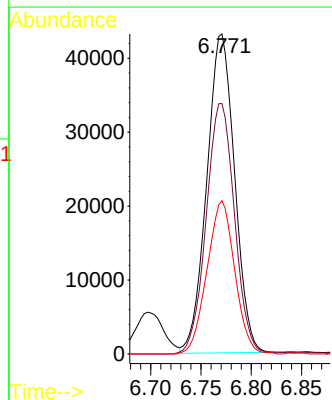
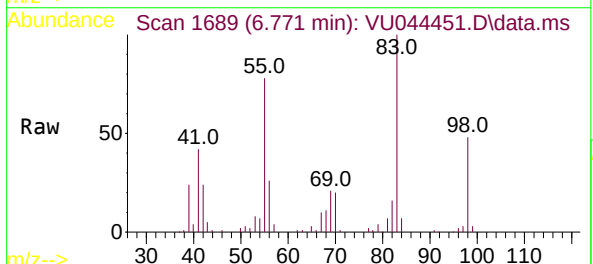
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.6	84.8
132	86.0	63.4	117.8
130	88.3	65.8	122.2

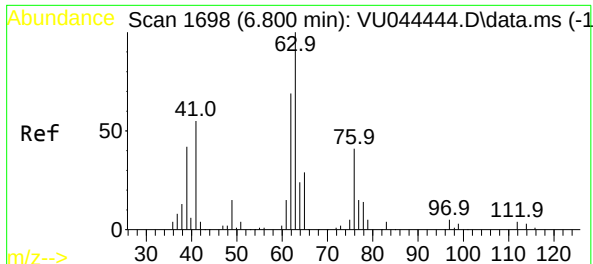


#35
Methylcyclohexane
Concen: 4.909 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion: 83 Resp: 83134

Ion	Ratio	Lower	Upper
83	100		
55	80.3	64.8	97.2
98	47.9	37.5	56.3

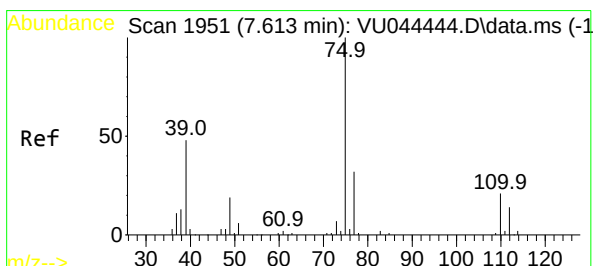
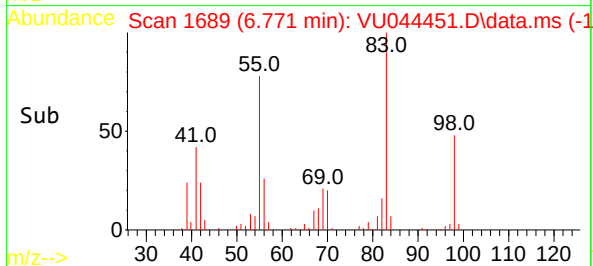
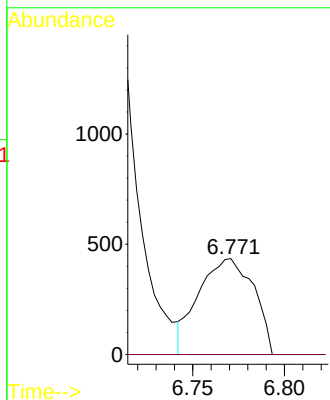
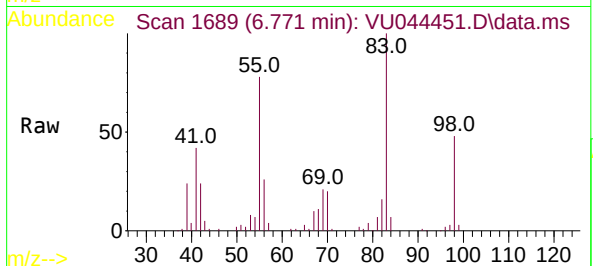




#37
1,2-Dichloropropane
Concen: 0.084 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.029 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

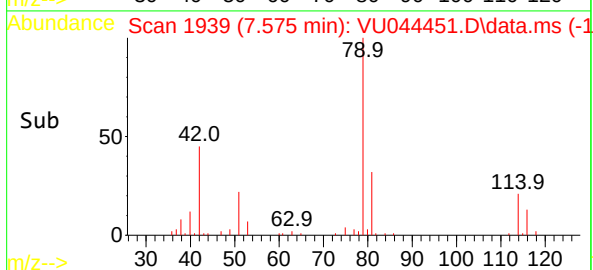
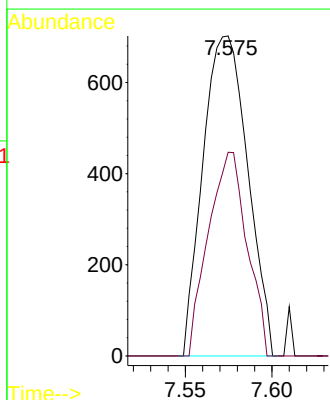
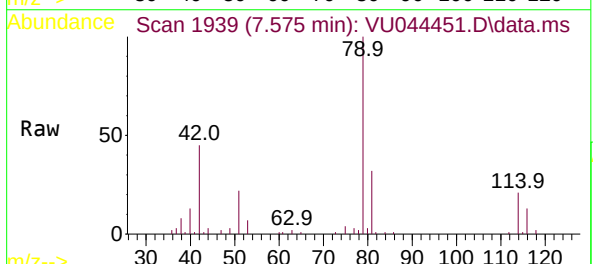
Instrument :
MSVOA_U
ClientSampled :
X3622DL

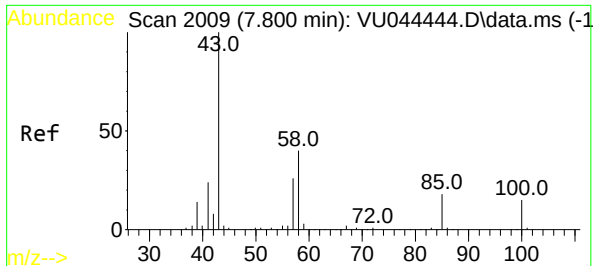
Tgt Ion: 63 Resp: 906
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#39
cis-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.038 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion: 75 Resp: 1263
Ion Ratio Lower Upper
75 100
77 63.7 22.2 41.2#

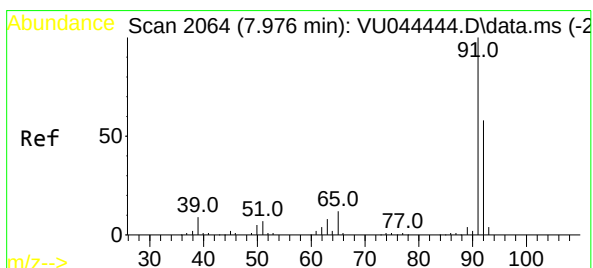
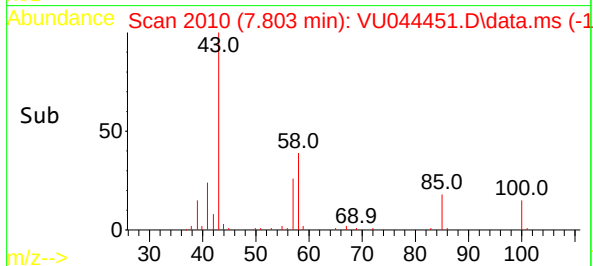
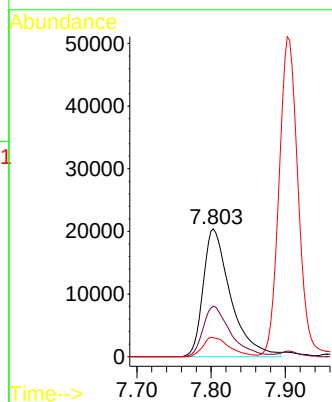
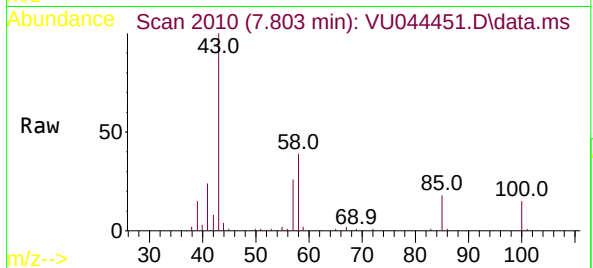




#40
4-Methyl-2-pentanone
Concen: 7.178 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

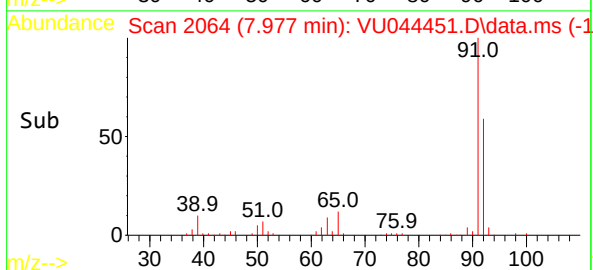
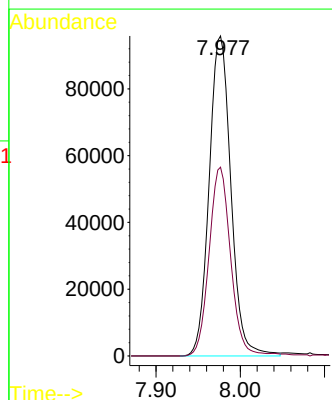
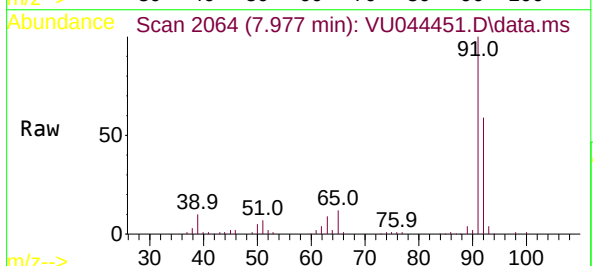
Instrument :
MSVOA_U
ClientSampleID :
X3622DL

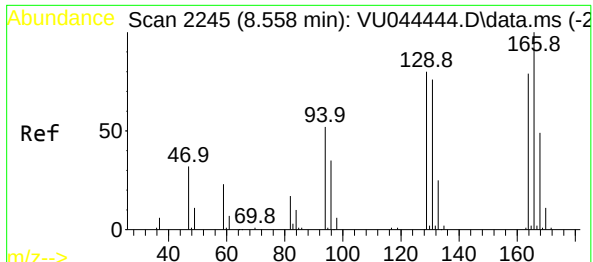
Tgt Ion: 43 Resp: 52410
Ion Ratio Lower Upper
43 100
58 39.7 32.5 48.7
100 14.7 12.3 18.5



#42
Toluene
Concen: 4.027 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion: 91 Resp: 172260
Ion Ratio Lower Upper
91 100
92 59.0 40.7 75.5



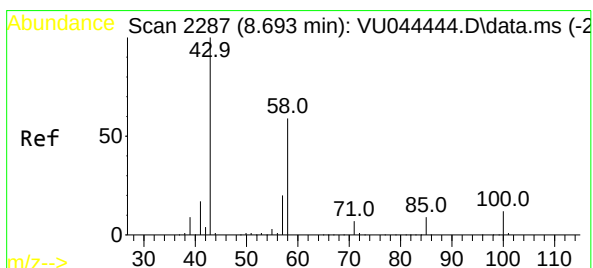
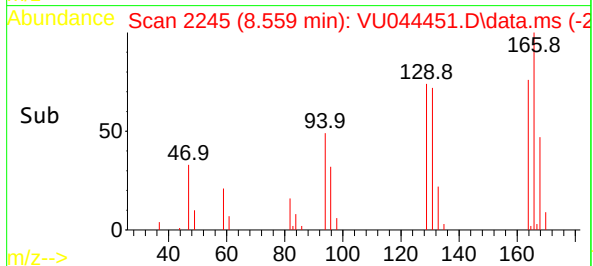
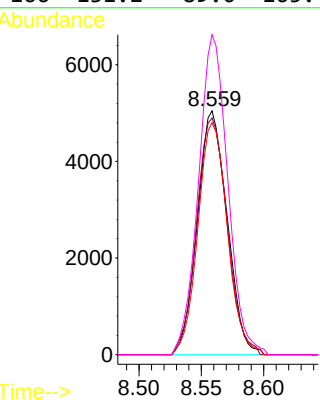
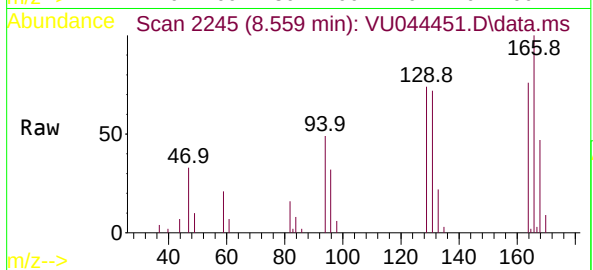


#47
Tetrachloroethene
Concen: 1.196 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Instrument :
MSVOA_U
ClientSampleId :
X3622DL

Tgt Ion:164 Resp: 8397

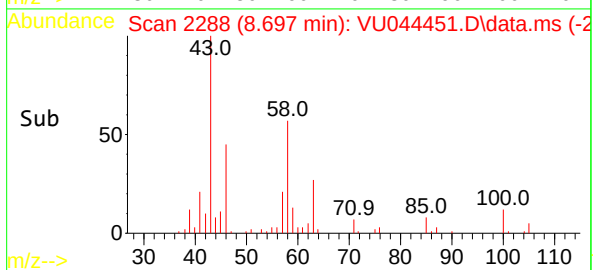
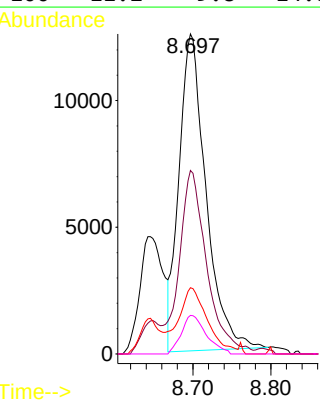
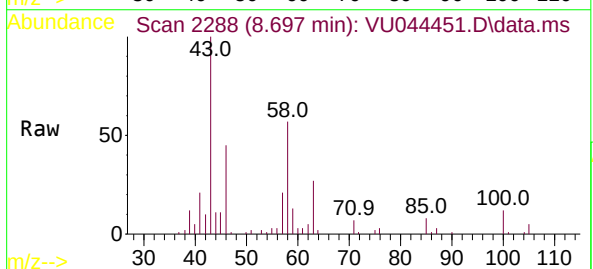
Ion	Ratio	Lower	Upper
164	100		
129	97.0	71.0	131.8
131	95.1	68.0	126.4
166	131.2	89.0	165.4

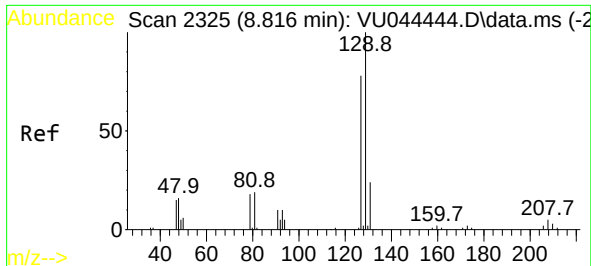


#48
2-Hexanone
Concen: 5.772 ug/L
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion: 43 Resp: 30075

Ion	Ratio	Lower	Upper
43	100		
58	58.9	46.5	69.7
57	22.0	15.8	23.8
100	11.2	9.8	14.8





#49

Dibromochloromethane

Concen: 1.026 ug/L

RT: 8.559 min Scan# 2245

Delta R.T. -0.257 min

Lab File: VU044451.D

Acq: 18 Aug 2021 17:01

Tgt Ion:129 Resp: 8323

Ion Ratio Lower Upper

129 100

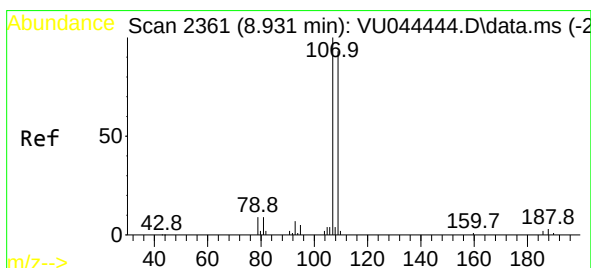
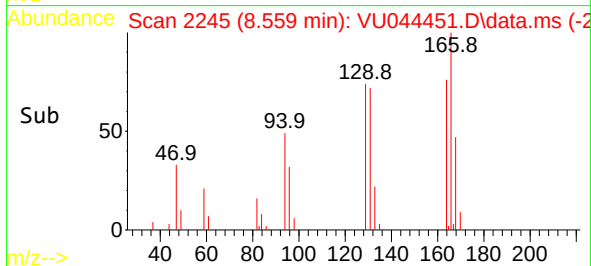
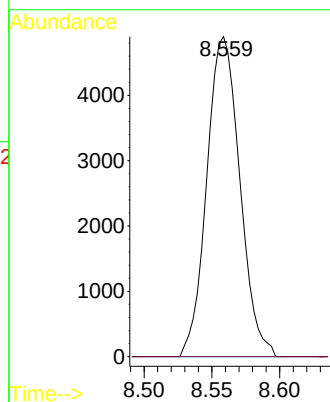
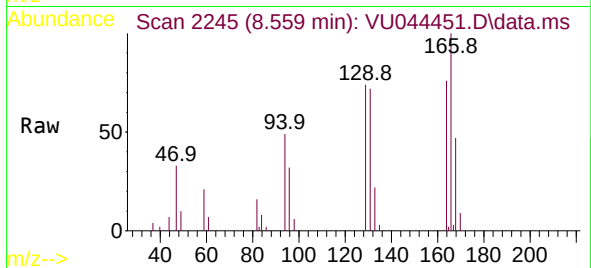
127 0.0 54.7 101.7#

Instrument :

MSVOA_U

ClientSampleId :

X3622DL



#50

1,2-Dibromoethane

Concen: 0.468 ug/L

RT: 8.928 min Scan# 2360

Delta R.T. -0.003 min

Lab File: VU044451.D

Acq: 18 Aug 2021 17:01

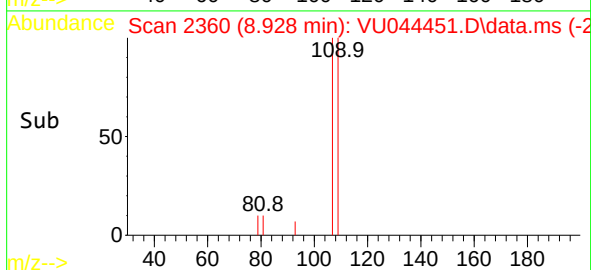
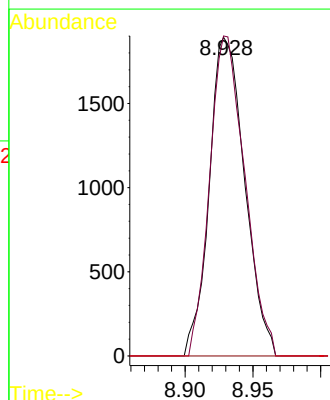
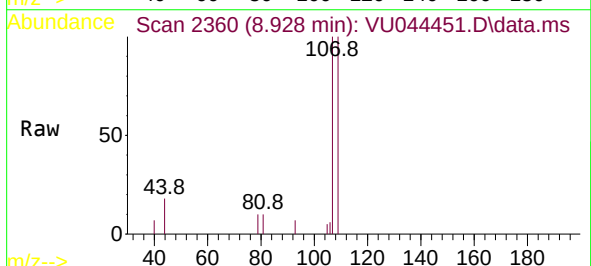
Tgt Ion:107 Resp: 3431

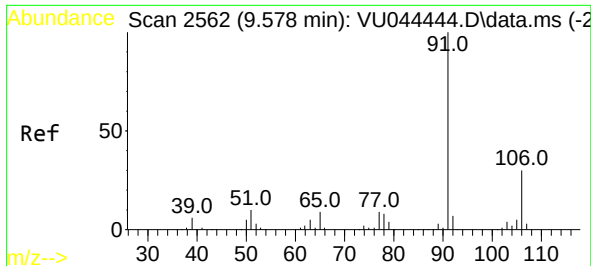
Ion Ratio Lower Upper

107 100

109 100.4 65.2 121.0

188 0.0 2.4 3.6#

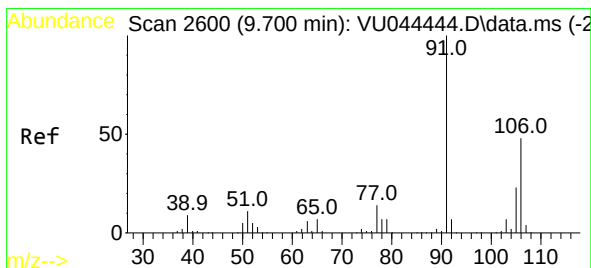
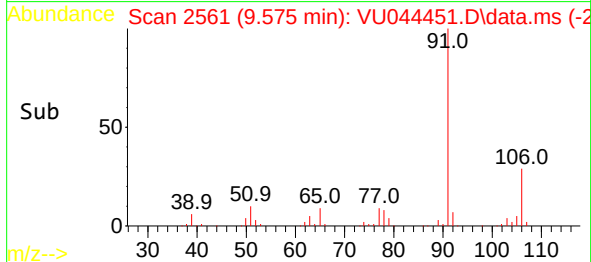
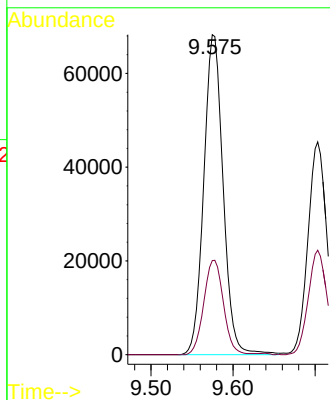
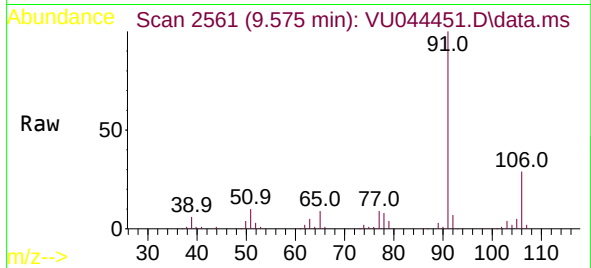




#52
Ethylbenzene
Concen: 2.477 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

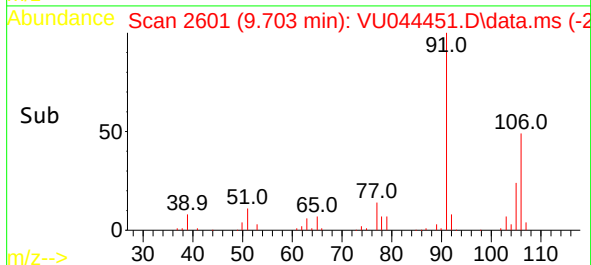
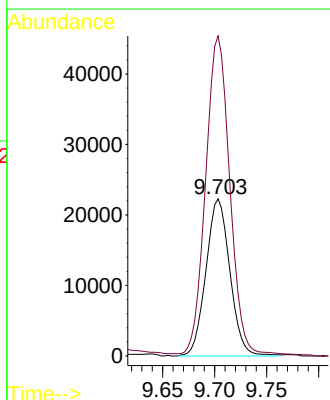
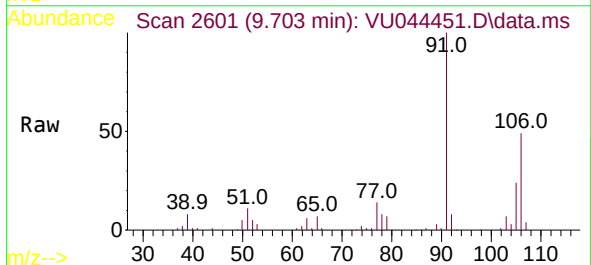
Instrument :
MSVOA_U
ClientSampleId :
X3622DL

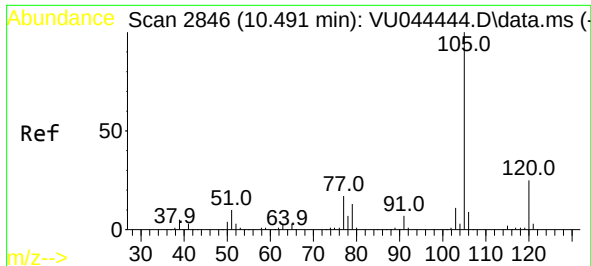
Tgt Ion: 91 Resp: 111926
Ion Ratio Lower Upper
91 100
106 29.4 21.3 39.6



#53
m,p-Xylene
Concen: 2.102 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion: 106 Resp: 35721
Ion Ratio Lower Upper
106 100
91 203.6 146.2 271.6

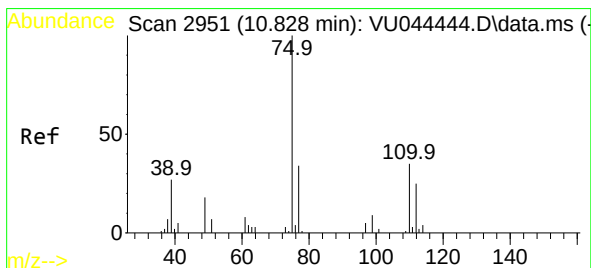
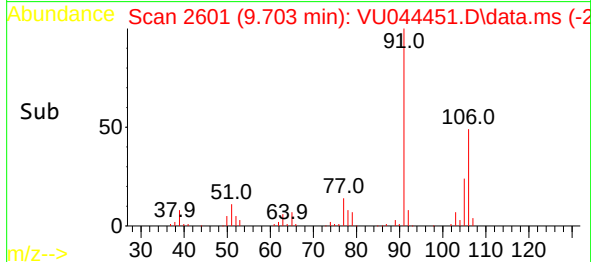
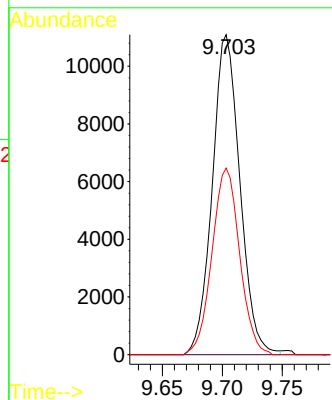
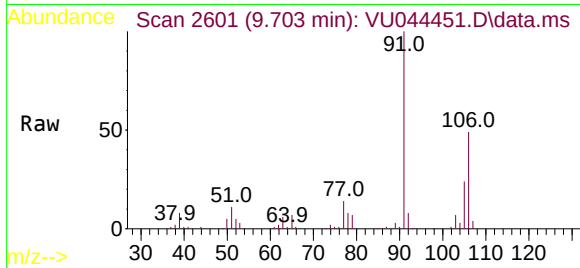




#60
Isopropylbenzene
Concen: 0.433 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. -0.788 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

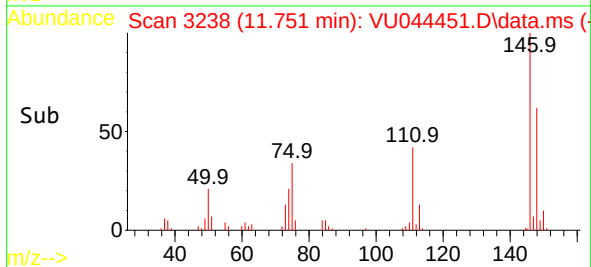
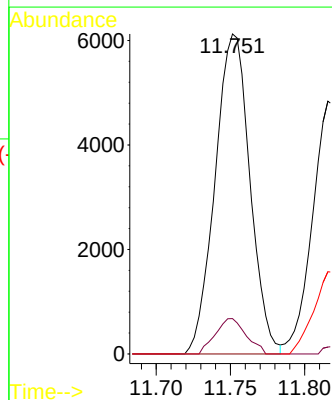
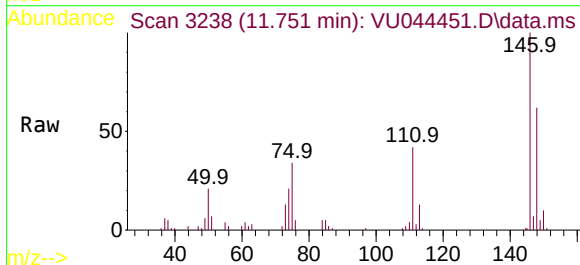
Instrument :
MSVOA_U
ClientSampled :
X3622DL

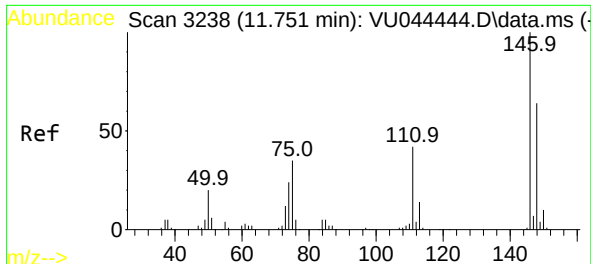
Tgt Ion:105 Resp: 17757
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#
77 58.3 13.4 20.0#



#61
1,2,3-Trichloropropane
Concen: 1.425 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.923 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion: 75 Resp: 10007
Ion Ratio Lower Upper
75 100
110 9.7 28.4 42.6#
77 0.0 26.5 39.7#

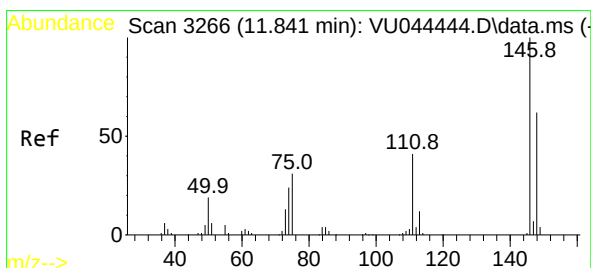
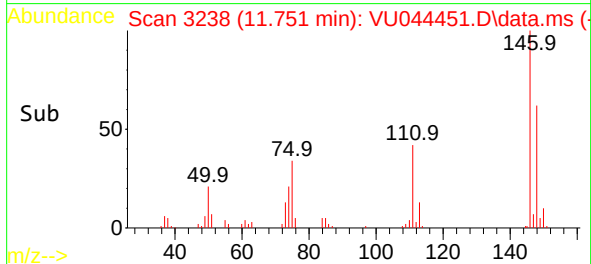
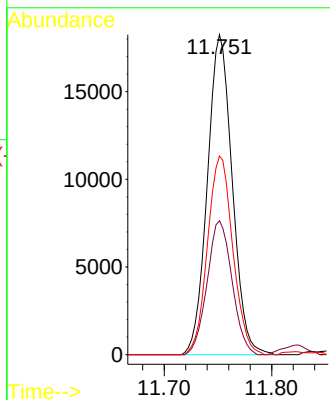
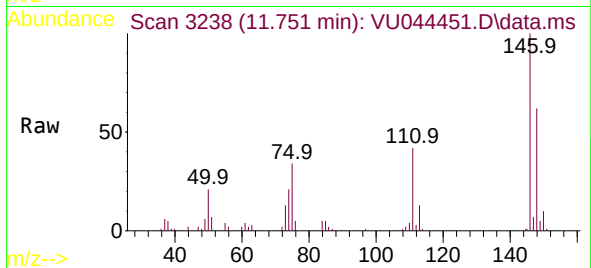




#64
1,3-Dichlorobenzene
Concen: 1.629 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Instrument :
MSVOA_U
ClientSampled :
X3622DL

Tgt Ion:146 Resp: 29333
Ion Ratio Lower Upper
146 100
111 41.8 29.6 55.0
148 62.1 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 1.612 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.090 min
Lab File: VU044451.D
Acq: 18 Aug 2021 17:01

Tgt Ion:146 Resp: 29333
Ion Ratio Lower Upper
146 100
111 41.8 28.8 53.4
148 62.1 43.6 81.0

