

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042013.D
 Acq On : 14 Jan 2021 04:40
 Operator : SY/MD
 Sample : M1129-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:51:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 15 02:46:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.350	114	84607	5.00	ug/L	0.09
28) Chlorobenzene-d5	9.439	117	67137	5.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	11.816	152	24114	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.671	65	38545	6.03	ug/L	0.07
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.60%
7) Chloroethane-d5	2.019	69	38649	6.39	ug/L	0.10
Spiked Amount	5.000	Range	65 - 130	Recovery	=	127.80%
11) 1,1-Dichloroethene-d2	2.668	63	62495	4.86	ug/L	0.09
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	4.864	46	72166	33.68	ug/L	0.21
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.36%
24) Chloroform-d	5.176	84	86277	6.60	ug/L	0.10
Spiked Amount	5.000	Range	70 - 125	Recovery	=	132.00%#
26) 1,2-Dichloroethane-d4	5.832	65	41489	5.82	ug/L	0.12
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
32) Benzene-d6	5.848	84	126789	5.84	ug/L	0.11
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.80%
36) 1,2-Dichloropropane-d6	6.777	67	43840	6.16	ug/L	0.08
Spiked Amount	5.000	Range	60 - 140	Recovery	=	123.20%
41) Toluene-d8	7.948	98	89132	4.59	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloroprop...	8.224	79	15363	5.37	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.40%
46) 2-Hexanone-d5	8.677	63	77868	53.09	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.18%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	37550	6.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	138.60%#
64) 1,2-Dichlorobenzene-d4	12.192	152	25362	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds	Qvalue					
3) Chloromethane	1.581	50	124592	12.76	ug/L	98
8) Chloroethane	1.951	64	445	0.07	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-...	2.671	101	521	0.08	ug/L #	21
12) 1,1-Dichloroethene	2.668	96	704	0.11	ug/L #	1
13) Acetone	2.880	43	1565	1.17	ug/L	80
14) Carbon disulfide	2.896	76	29350	1.35	ug/L #	95
15) Methyl Acetate	2.967	43	4645	1.42	ug/L #	51
17) Methyl tert-butyl Ether	3.523	73	3335	0.19	ug/L #	71
22) cis-1,2-Dichloroethene	4.771	96	1953	0.28	ug/L	79
25) Chloroform	5.195	83	866	0.07	ug/L	98
27) 1,2-Dichloroethane	5.845	62	706	0.08	ug/L #	75
33) Benzene	5.845	78	1411	0.06	ug/L	100
34) Trichloroethene	6.629	95	91277	146.96	ug/L	98
35) Methylcyclohexane	6.774	83	10687	1.08	ug/L #	20
37) 1,2-Dichloropropane	6.777	63	5290	0.82	ug/L #	90
39) cis-1,3-Dichloropropene	7.629	75	988	0.10	ug/L #	66
40) 4-Methyl-2-pentanone	7.858	43	8660	1.93	ug/L #	81
42) Toluene	8.022	91	1275	0.05	ug/L	82
44) trans-1,3-Dichloropropene	8.227	75	514	0.06	ug/L #	1

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 15 02:46:12 2021
Response via : Initial Calibration

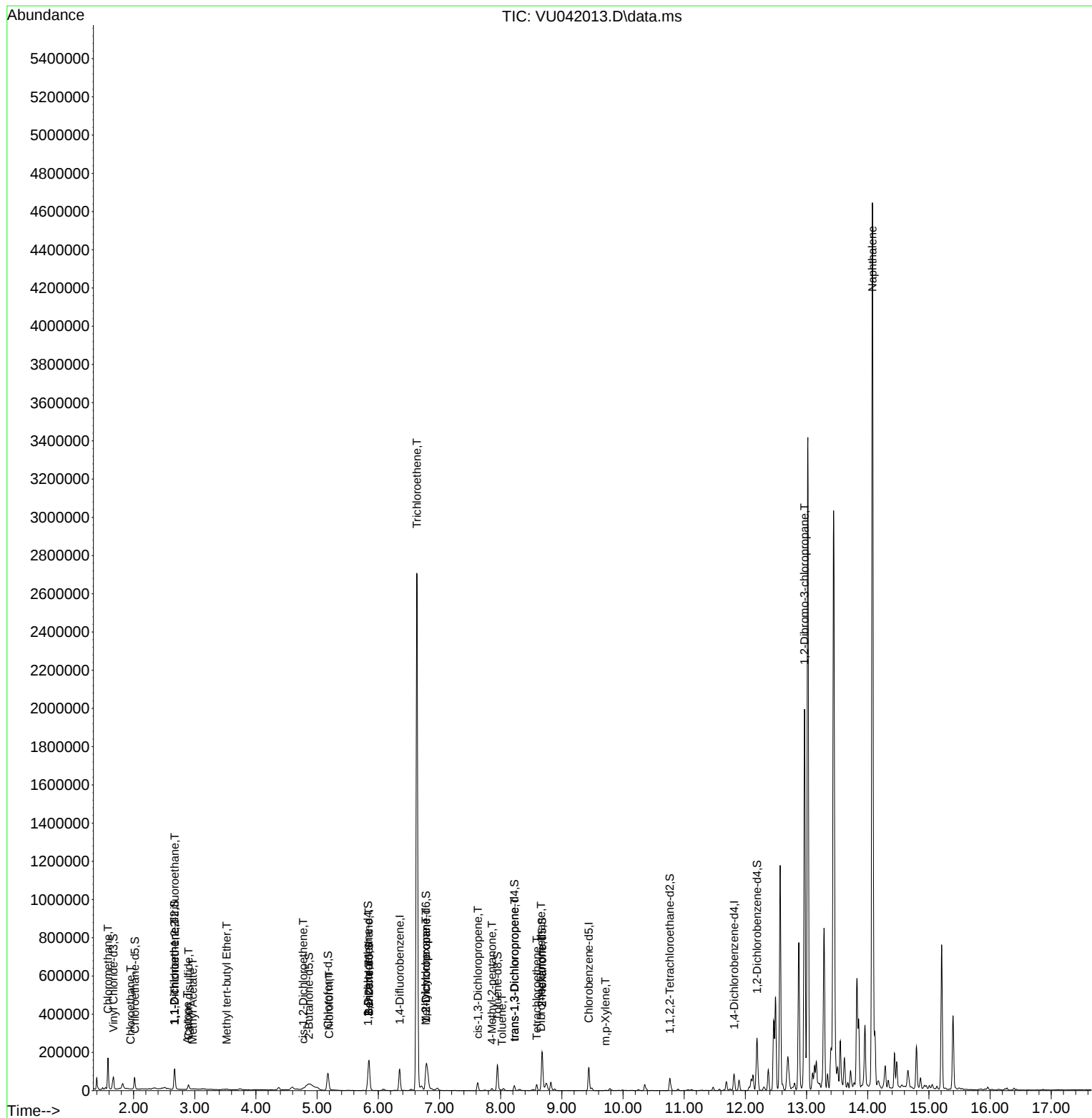
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.591	164	6618	1.65	ug/L	99
48) 2-Hexanone	8.677	43	10329	3.43	ug/L #	67
49) Dibromochloromethane	8.661	129	745	0.15	ug/L #	11
53) m,p-Xylene	9.713	106	634	0.07	ug/L	86
66) 1,2-Dibromo-3-chloropr...	12.967	75	8796	12.35	ug/L #	8
69) Naphthalene	14.076	128	3493290	462.20	ug/L	100

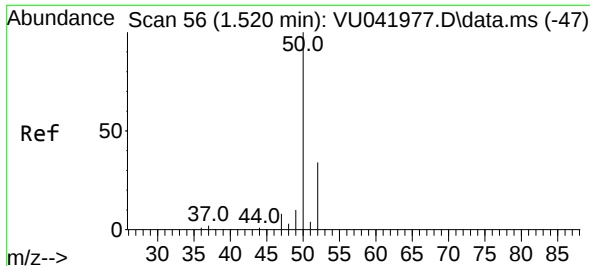
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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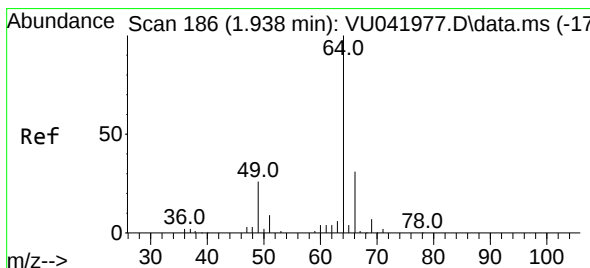
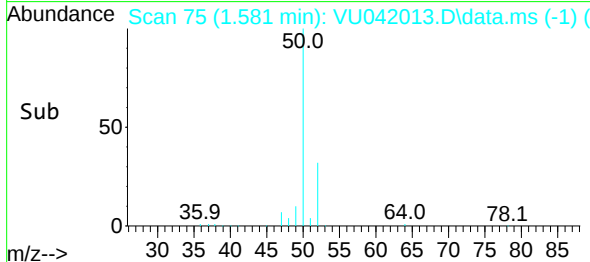
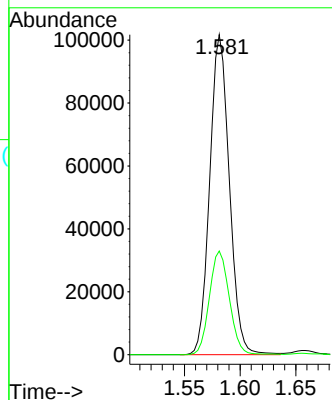
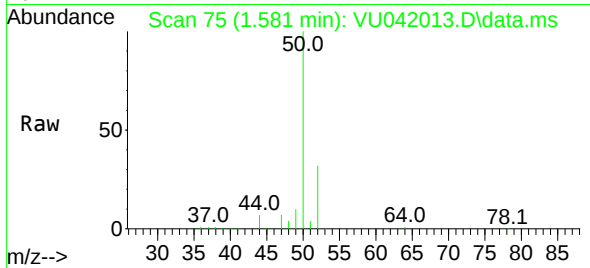




#3
Chloromethane
Concen: 12.76 ug/L
RT: 1.581 min Scan# 75
Delta R.T. 0.061 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

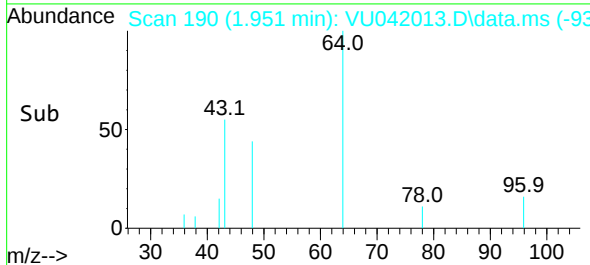
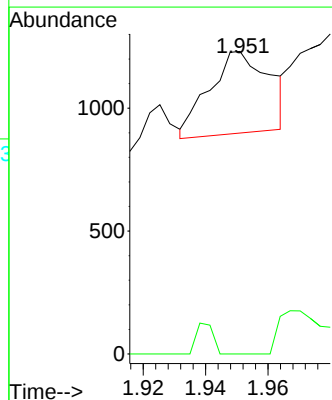
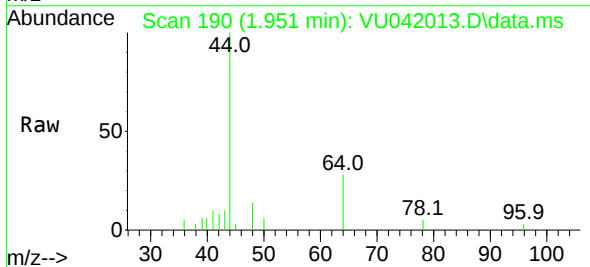
Instrument :
MSVOA_U
ClientSampled :

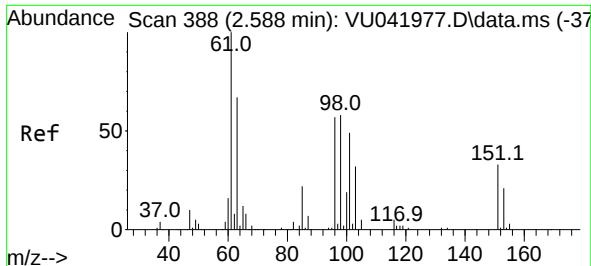
Tgt Ion: 50 Resp: 124592
Ion Ratio Lower Upper
50 100
52 32.4 23.5 43.7



#8
Chloroethane
Concen: 0.07 ug/L
RT: 1.951 min Scan# 190
Delta R.T. 0.013 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Tgt Ion: 64 Resp: 445
Ion Ratio Lower Upper
64 100
66 0.0 21.6 40.2#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.08 ug/L

RT: 2.671 min Scan# 414

Delta R.T. 0.084 min

Lab File: VU042013.D

Acq: 14 Jan 2021 04:40

Tgt Ion:101 Resp: 521

Ion Ratio Lower Upper

101 100

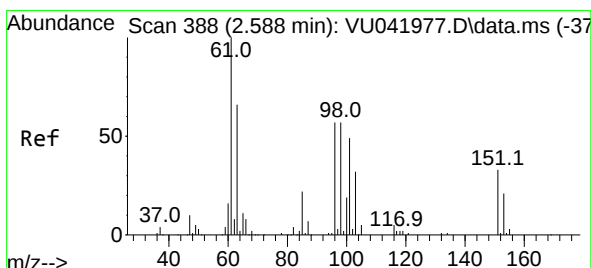
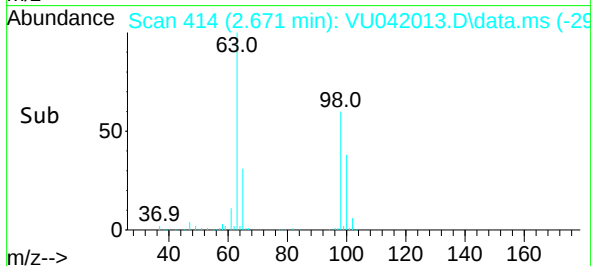
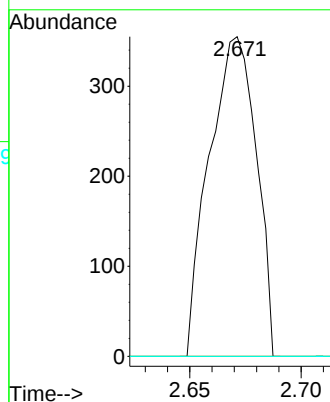
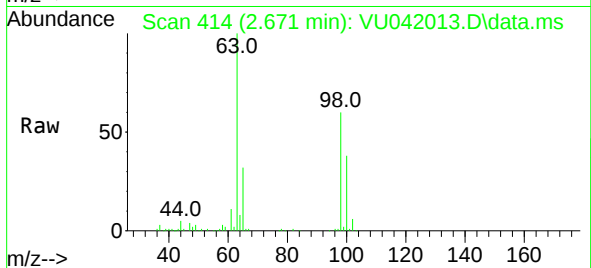
85 0.0 35.9 53.9#

151 0.0 55.4 83.2#

Instrument :

MSVOA_U

ClientSampleId :



#12

1,1-Dichloroethene

Concen: 0.11 ug/L

RT: 2.668 min Scan# 413

Delta R.T. 0.080 min

Lab File: VU042013.D

Acq: 14 Jan 2021 04:40

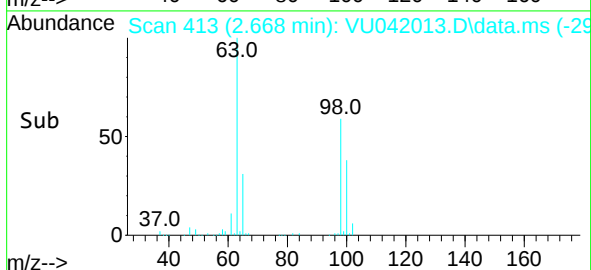
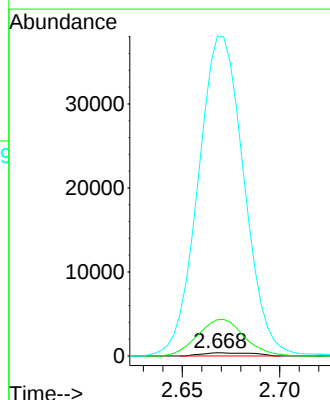
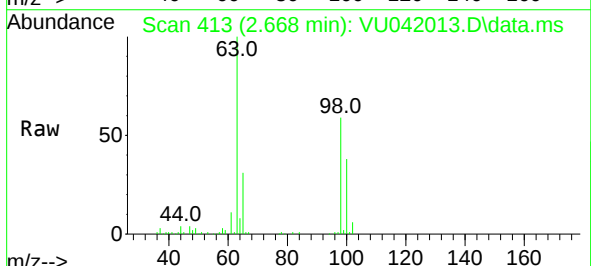
Tgt Ion: 96 Resp: 704

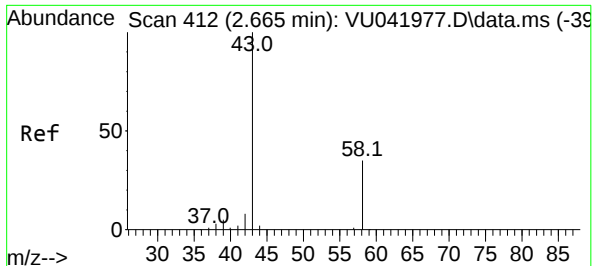
Ion Ratio Lower Upper

96 100

61 1147.6 122.2 226.9#

63 10129.8 82.8 153.8#

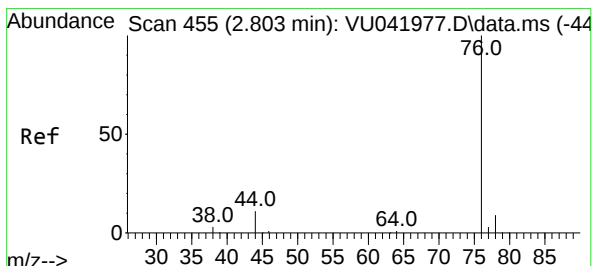
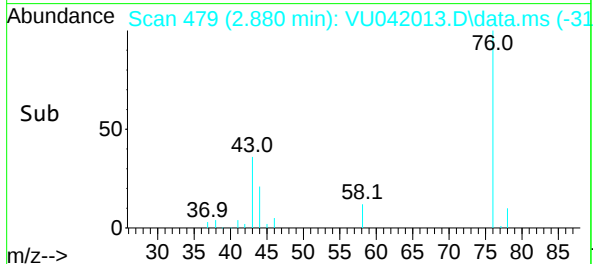
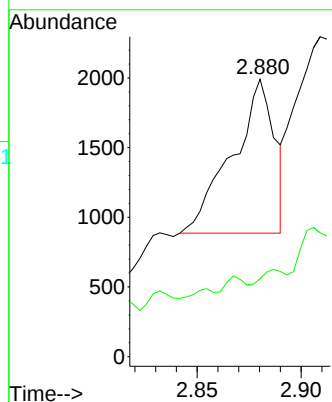
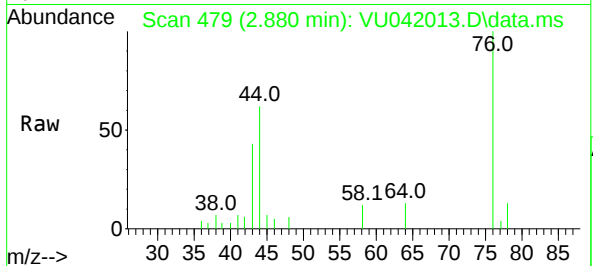




#13
Acetone
Concen: 1.17 ug/L
RT: 2.880 min Scan# 479
Delta R.T. 0.215 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

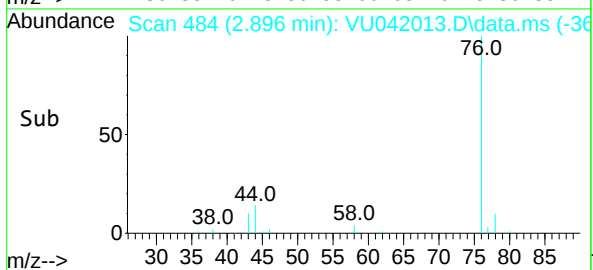
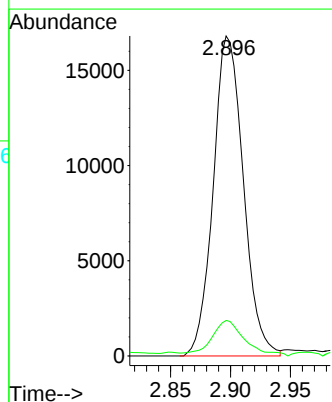
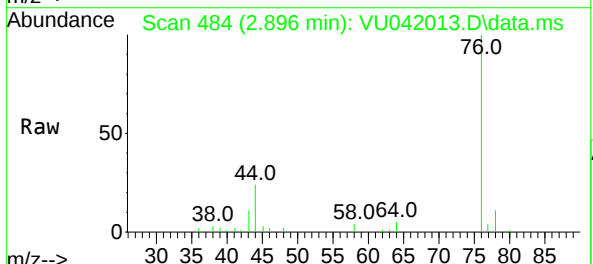
Instrument :
MSVOA_U
ClientSampled :

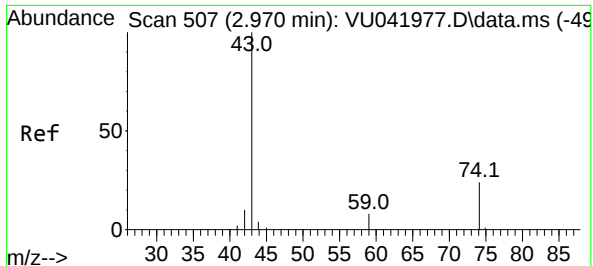
Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
58 17.8 0.0 57.4



#14
Carbon disulfide
Concen: 1.35 ug/L
RT: 2.896 min Scan# 484
Delta R.T. 0.093 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Tgt Ion: 76 Resp: 29350
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.0#

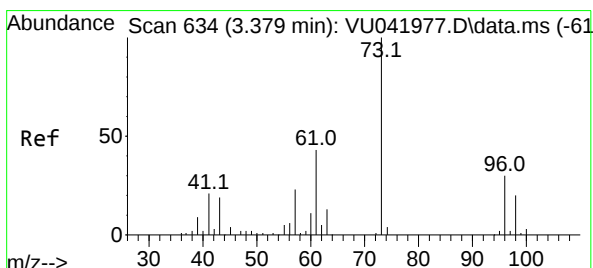
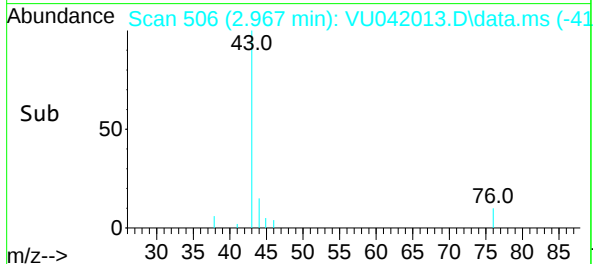
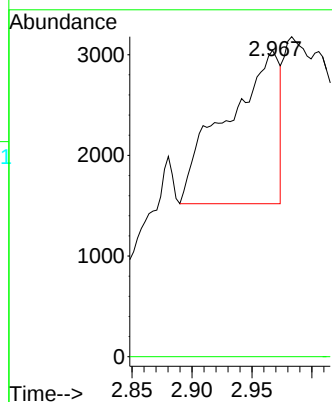
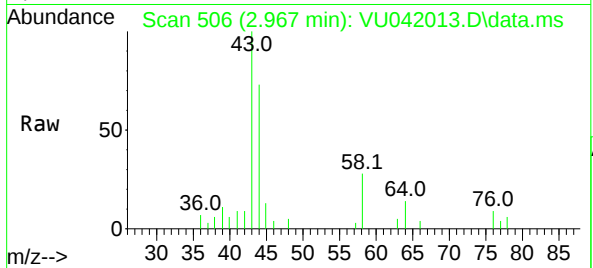




#15
Methyl Acetate
Concen: 1.42 ug/L
RT: 2.967 min Scan# 506
Delta R.T. -0.003 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

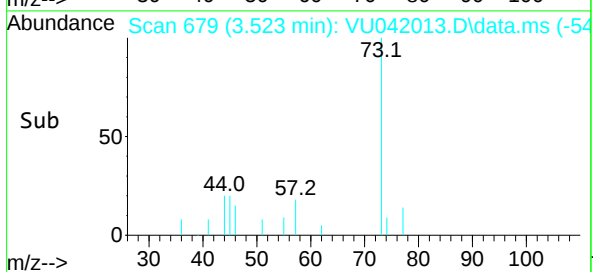
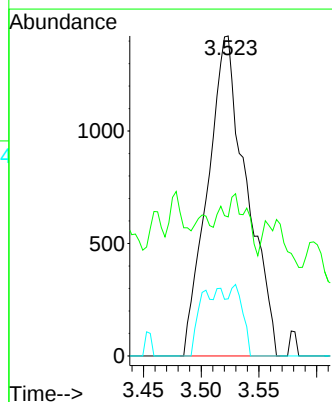
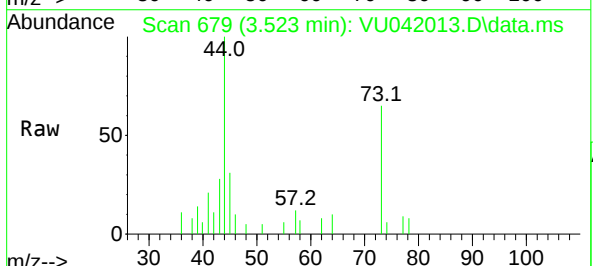
Instrument :
MSVOA_U
ClientSampled :

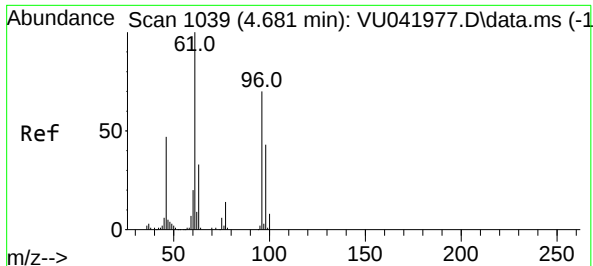
Tgt Ion: 43 Resp: 4645
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#17
Methyl tert-butyl Ether
Concen: 0.19 ug/L
RT: 3.523 min Scan# 679
Delta R.T. 0.145 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Tgt Ion: 73 Resp: 3335
Ion Ratio Lower Upper
73 100
43 7.7 15.1 22.7#
57 7.0 18.0 27.0#

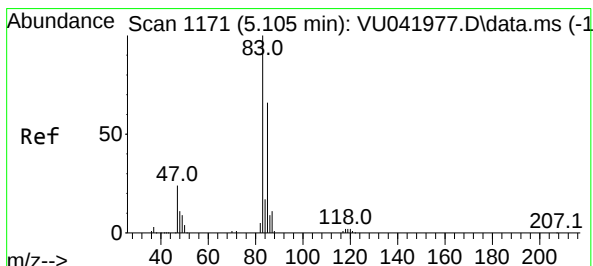
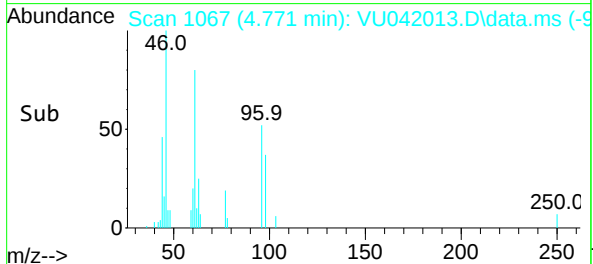
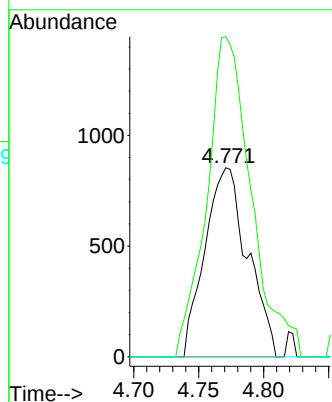
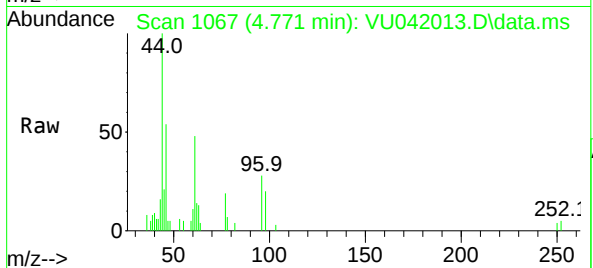




#22
cis-1,2-Dichloroethene
Concen: 0.28 ug/L
RT: 4.771 min Scan# 1067
Delta R.T. 0.090 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

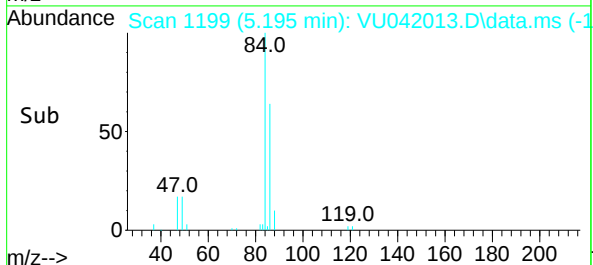
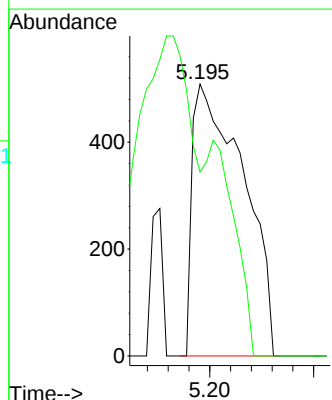
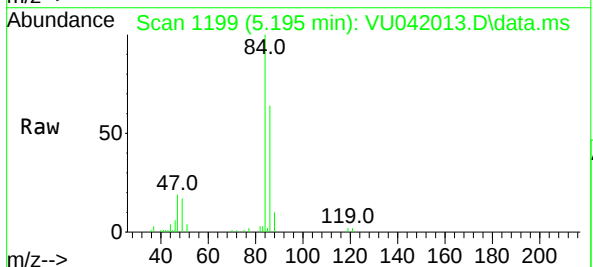
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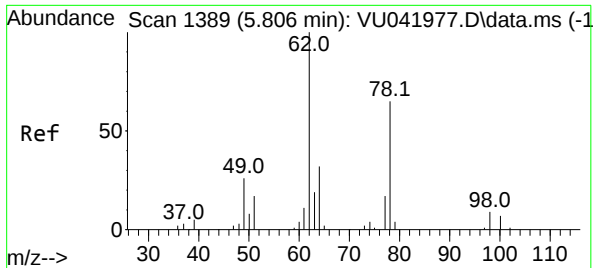
Tgt Ion: 96 Resp: 1953
Ion Ratio Lower Upper
96 100
61 169.3 100.3 186.3
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.07 ug/L
RT: 5.195 min Scan# 1199
Delta R.T. 0.090 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Tgt Ion: 83 Resp: 866
Ion Ratio Lower Upper
83 100
85 67.6 46.1 85.7





#27

1,2-Dichloroethane

Concen: 0.08 ug/L

RT: 5.845 min Scan# 1401

Delta R.T. 0.039 min

Lab File: VU042013.D

Acq: 14 Jan 2021 04:40

Tgt Ion: 62 Resp: 706

Ion Ratio Lower Upper

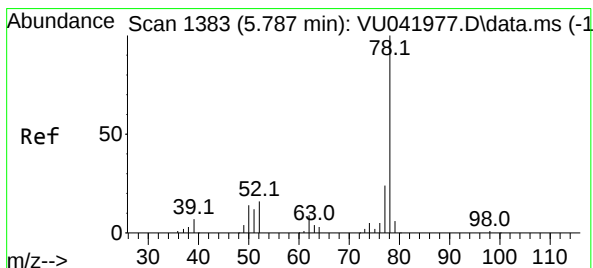
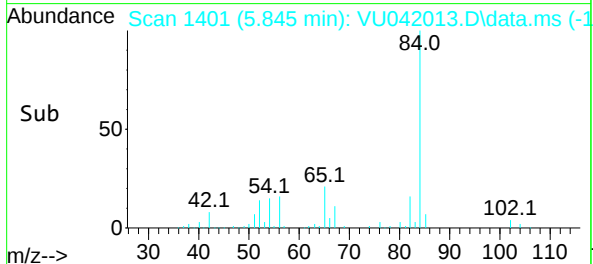
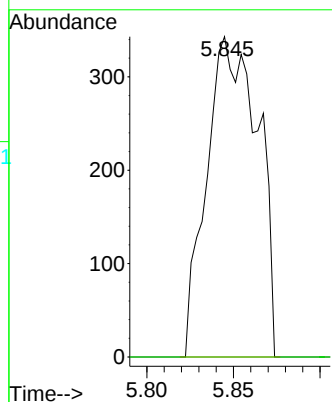
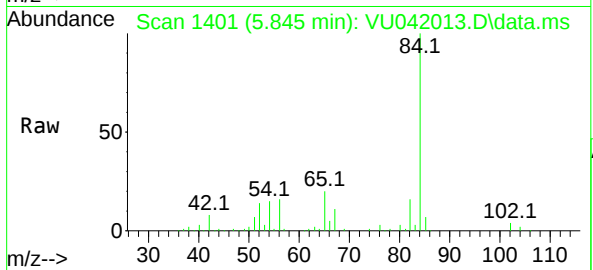
62 100

98 0.0 7.1 10.7#

Instrument :

MSVOA_U

ClientSampled :



#33

Benzene

Concen: 0.06 ug/L

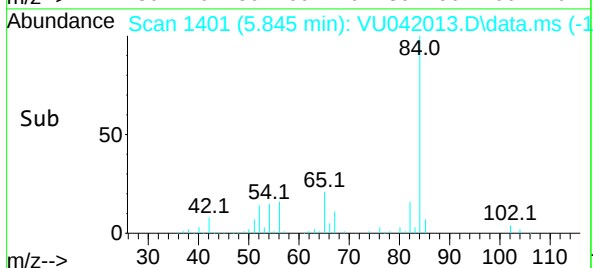
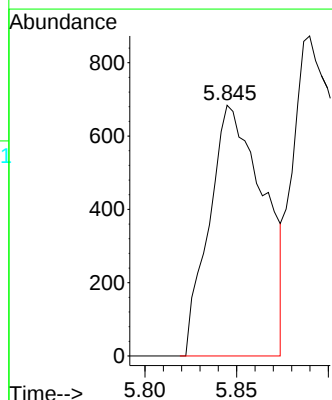
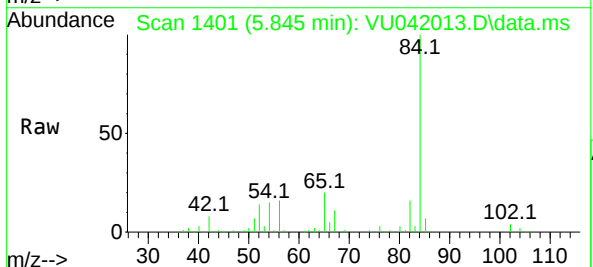
RT: 5.845 min Scan# 1401

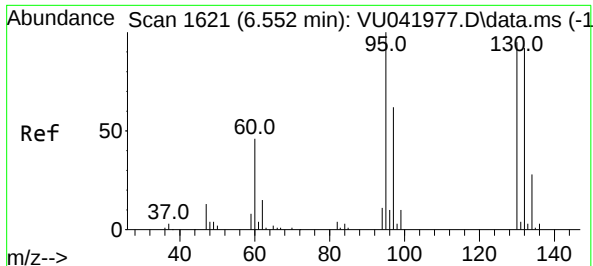
Delta R.T. 0.058 min

Lab File: VU042013.D

Acq: 14 Jan 2021 04:40

Tgt Ion: 78 Resp: 1411



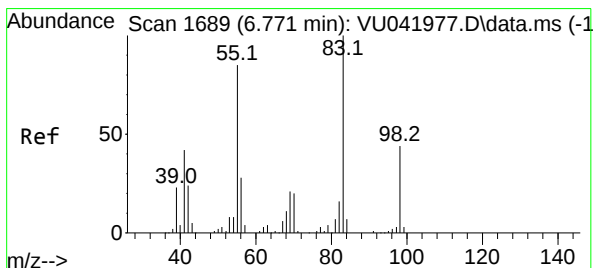
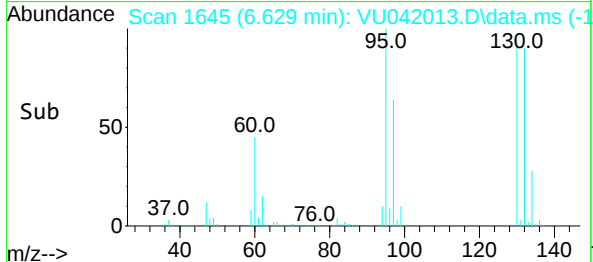
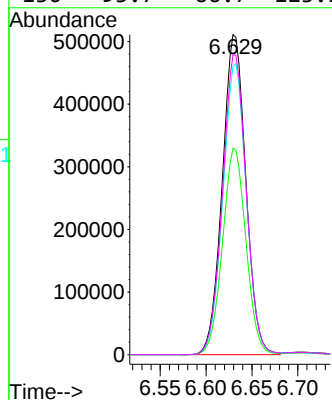
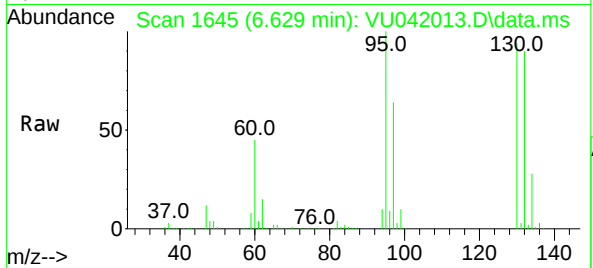


#34
Trichloroethene
Concen: 146.96 ug/L
RT: 6.629 min Scan# 1645
Delta R.T. 0.077 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 95 Resp: 912777

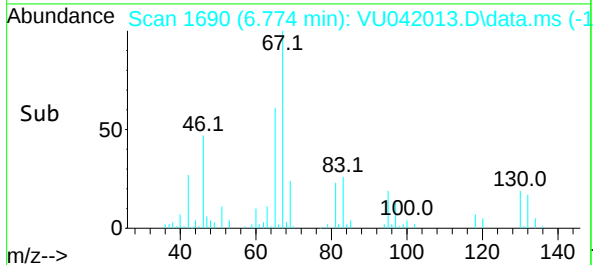
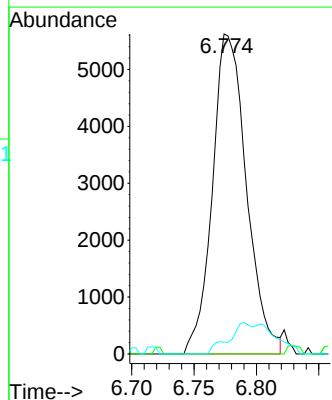
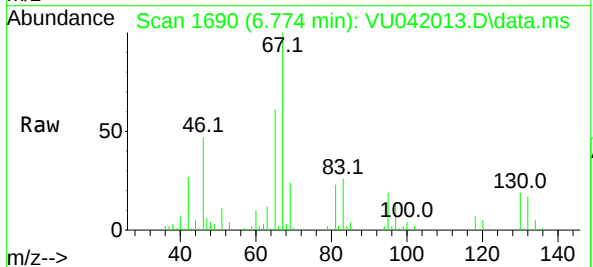
Ion	Ratio	Lower	Upper
95	100		
97	64.5	43.6	81.0
132	90.1	64.3	119.3
130	93.7	66.7	123.9

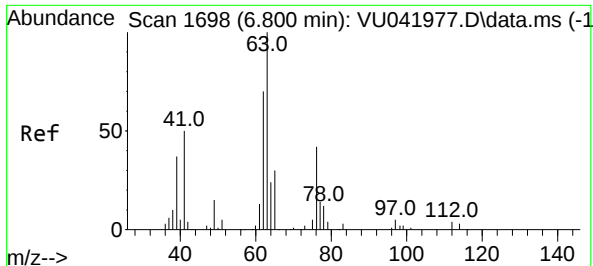


#35
Methylcyclohexane
Concen: 1.08 ug/L
RT: 6.774 min Scan# 1690
Delta R.T. 0.003 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Tgt Ion: 83 Resp: 10687

Ion	Ratio	Lower	Upper
83	100		
55	1.0	66.8	100.2#
98	6.6	35.7	53.5#



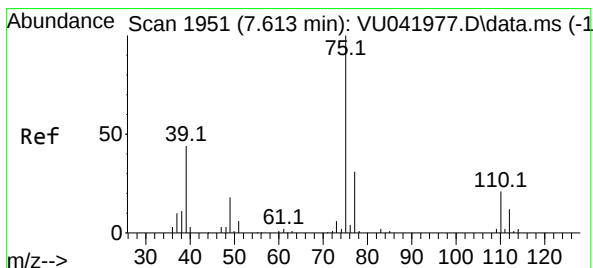
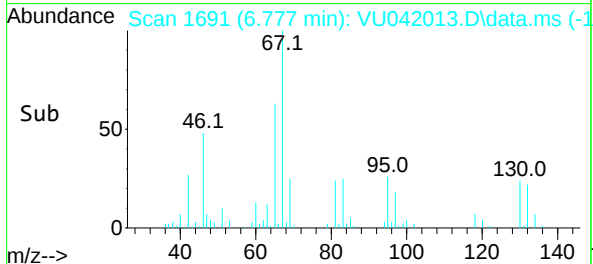
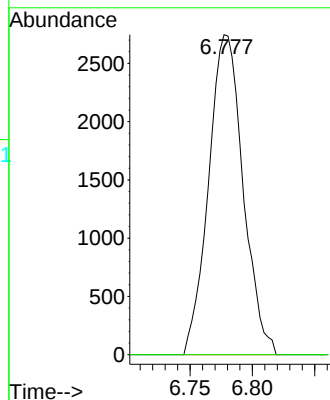
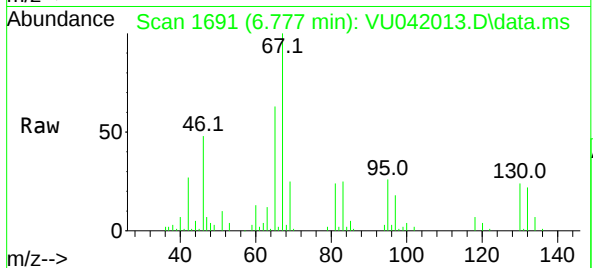


#37

1,2-Dichloropropane
Concen: 0.82 ug/L
RT: 6.777 min Scan# 1691
Delta R.T. -0.023 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Instrument :
MSVOA_U
ClientSampleId :

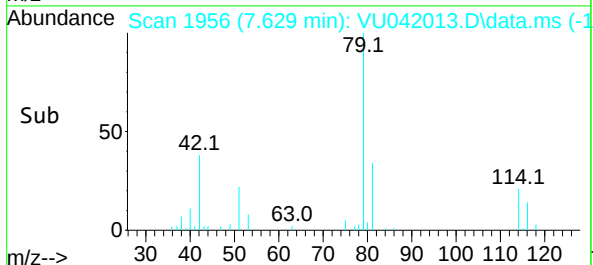
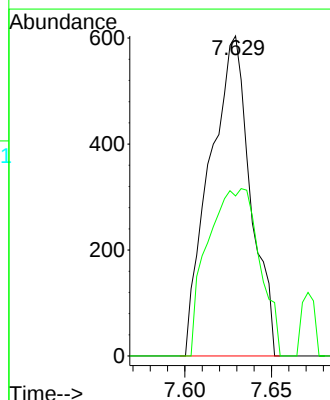
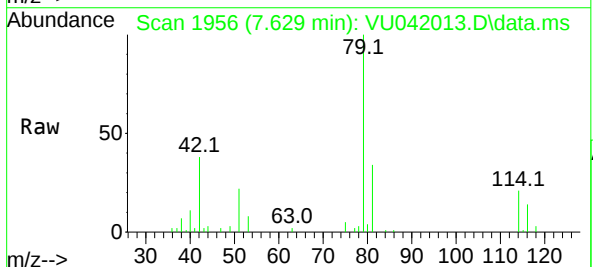
Tgt Ion: 63 Resp: 5290
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

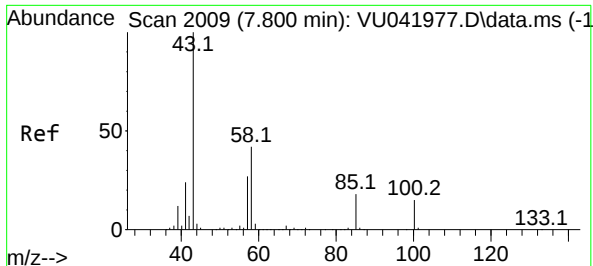


#39

cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.629 min Scan# 1956
Delta R.T. 0.016 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Tgt Ion: 75 Resp: 988
Ion Ratio Lower Upper
75 100
77 50.0 21.9 40.7#

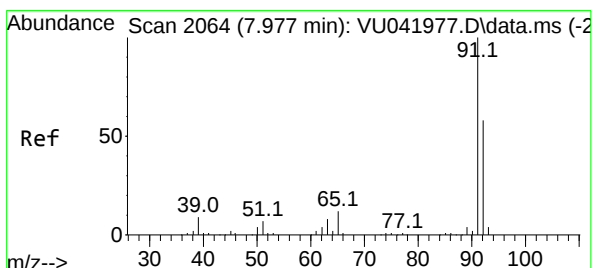
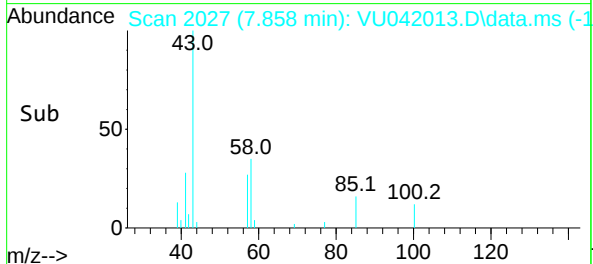
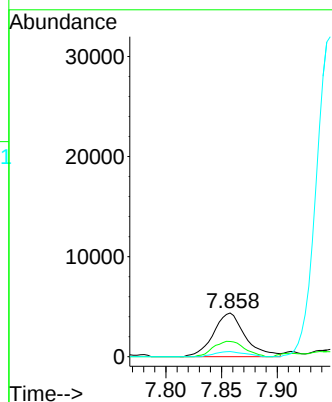
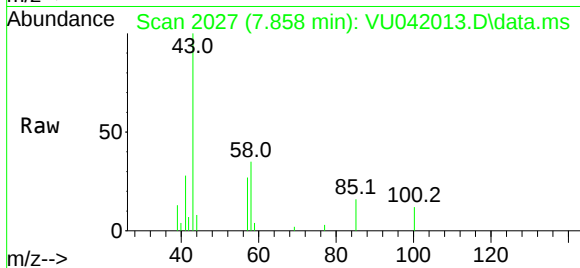




#40
4-Methyl-2-pentanone
Concen: 1.93 ug/L
RT: 7.858 min Scan# 2027
Delta R.T. 0.058 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

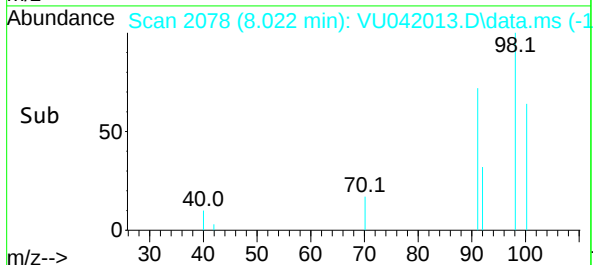
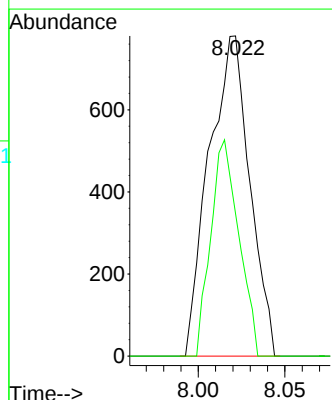
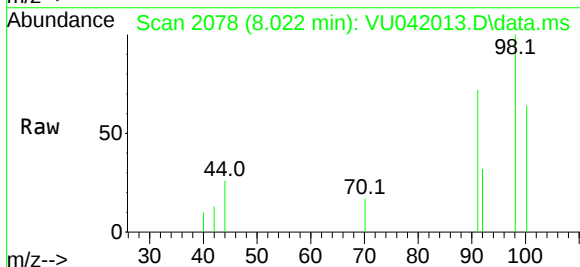
Instrument :
MSVOA_U
ClientSampled :

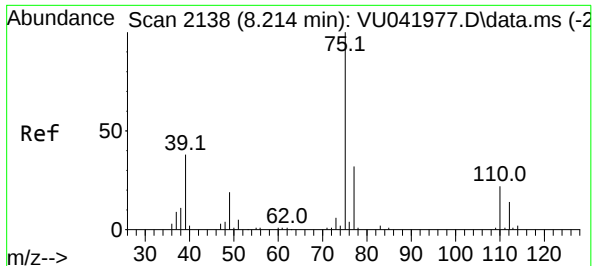
Tgt Ion: 43 Resp: 8660
Ion Ratio Lower Upper
43 100
58 34.3 33.7 50.5
100 0.0 11.9 17.9#



#42
Toluene
Concen: 0.05 ug/L
RT: 8.022 min Scan# 2078
Delta R.T. 0.045 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Tgt Ion: 91 Resp: 1275
Ion Ratio Lower Upper
91 100
92 44.5 40.7 75.7

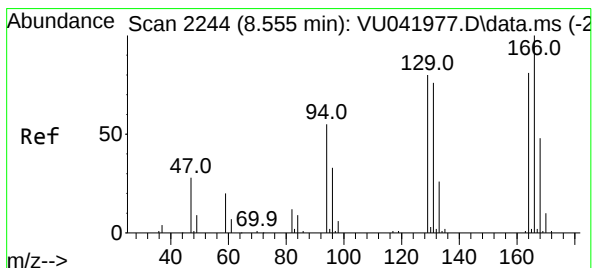
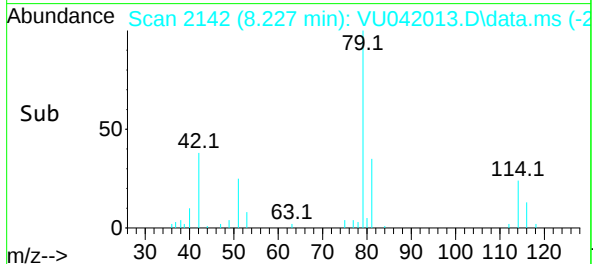
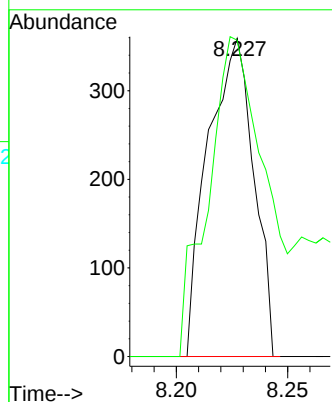
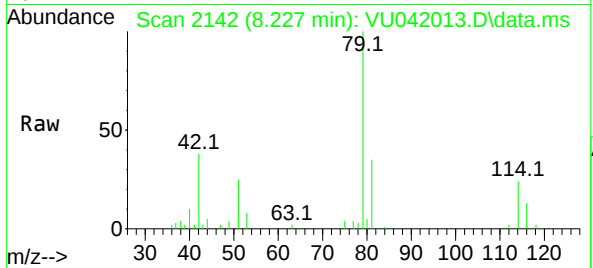




#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.227 min Scan# 2142
Delta R.T. 0.013 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

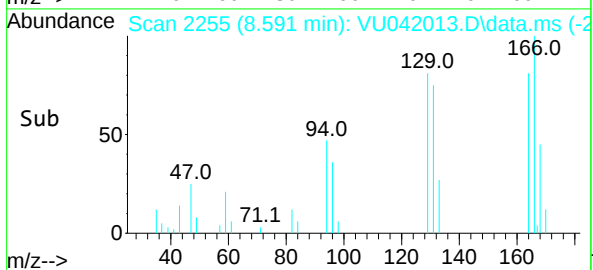
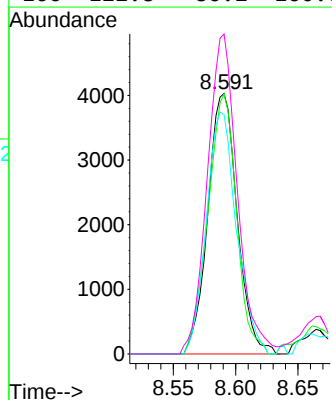
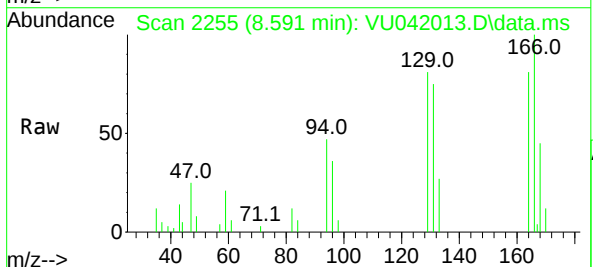
Instrument :
MSVOA_U
ClientSampled :

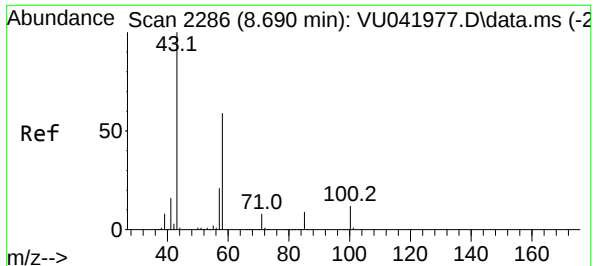
Tgt Ion: 75 Resp: 514
Ion Ratio Lower Upper
75 100
77 99.4 22.0 41.0#



#47
Tetrachloroethene
Concen: 1.65 ug/L
RT: 8.591 min Scan# 2255
Delta R.T. 0.035 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Tgt Ion: 164 Resp: 6618
Ion Ratio Lower Upper
164 100
129 99.9 68.7 127.5
131 92.0 65.2 121.0
166 122.8 86.2 160.0





#48

2-Hexanone

Concen: 3.43 ug/L

RT: 8.677 min Scan# 2282

Delta R.T. -0.013 min

Lab File: VU042013.D

Acq: 14 Jan 2021 04:40

Tgt Ion: 43 Resp: 10329

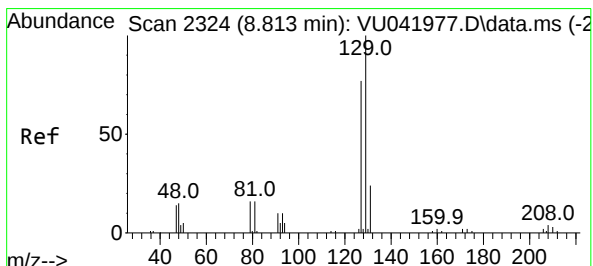
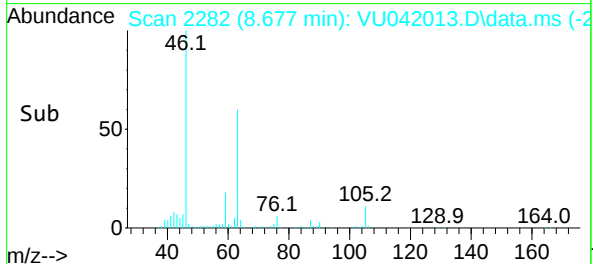
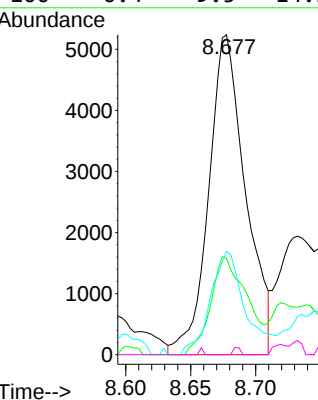
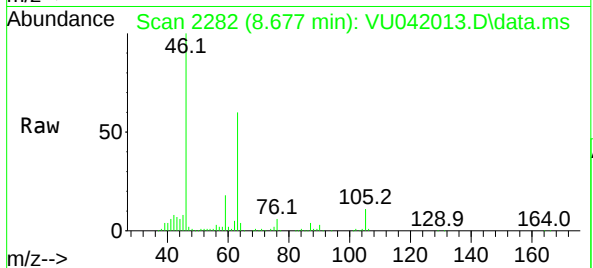
Ion Ratio Lower Upper

43 100

58 30.3 47.8 71.8#

57 30.8 17.4 26.0#

100 0.4 9.5 14.3#



#49

Dibromochloromethane

Concen: 0.15 ug/L

RT: 8.661 min Scan# 2277

Delta R.T. -0.151 min

Lab File: VU042013.D

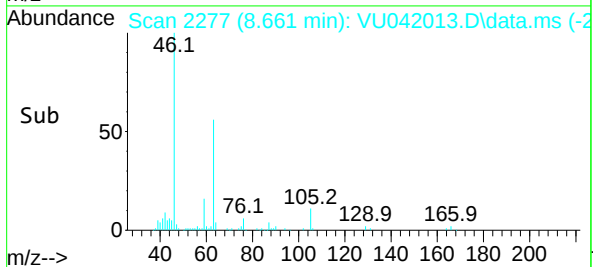
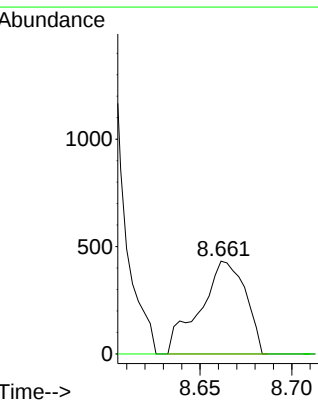
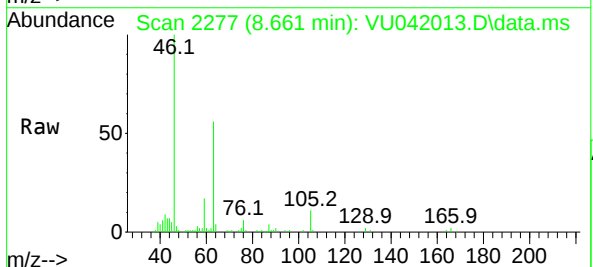
Acq: 14 Jan 2021 04:40

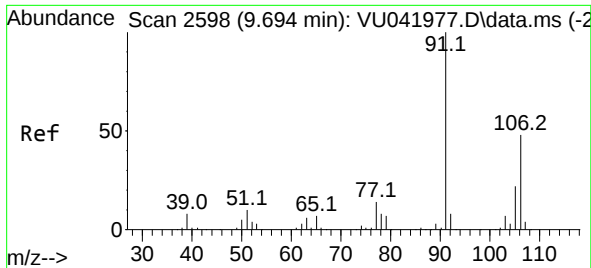
Tgt Ion: 129 Resp: 745

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#

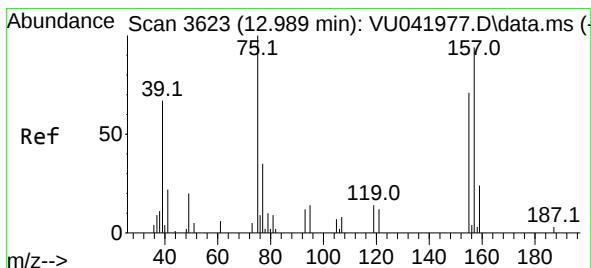
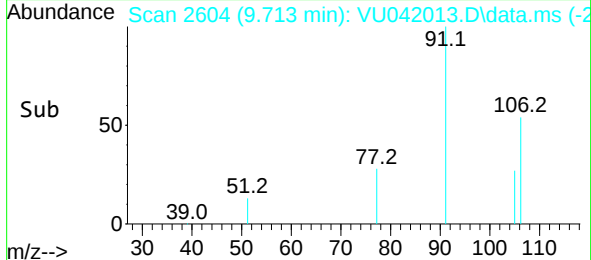
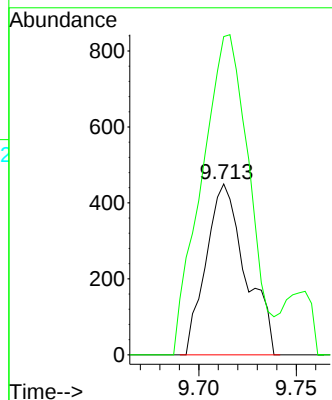
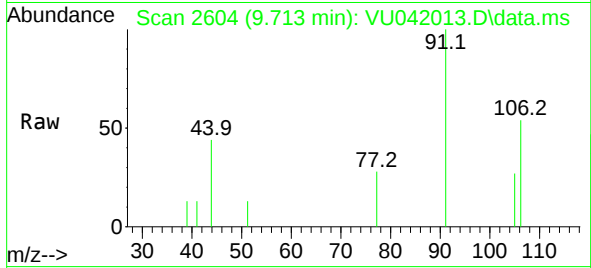




#53
 m,p-Xylene
 Concen: 0.07 ug/L
 RT: 9.713 min Scan# 2604
 Delta R.T. 0.019 min
 Lab File: VU042013.D
 Acq: 14 Jan 2021 04:40

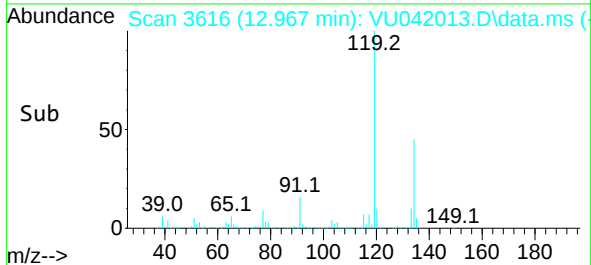
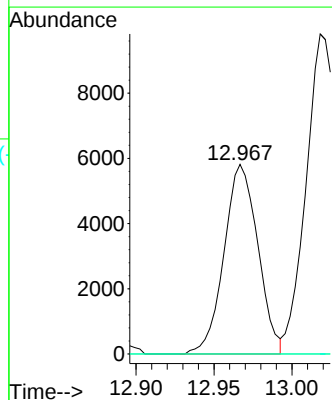
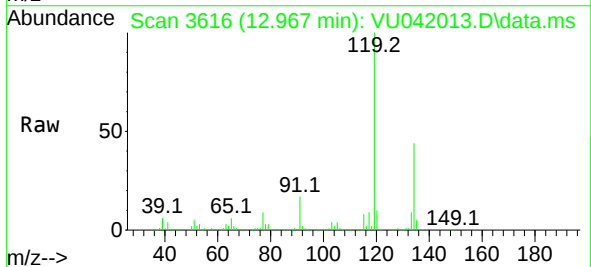
Instrument :
 MSVOA_U
 ClientSampled :

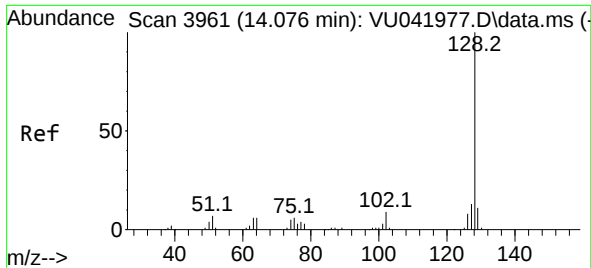
Tgt Ion:106 Resp: 634
 Ion Ratio Lower Upper
 106 100
 91 186.2 145.7 270.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 12.35 ug/L
 RT: 12.967 min Scan# 3616
 Delta R.T. -0.023 min
 Lab File: VU042013.D
 Acq: 14 Jan 2021 04:40

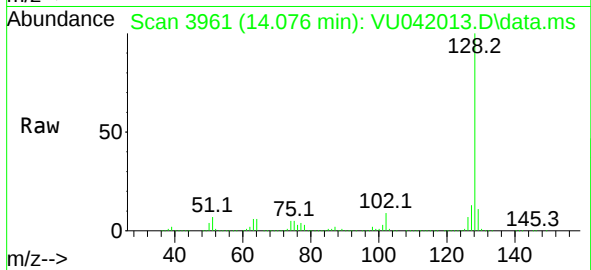
Tgt Ion: 75 Resp: 8796
 Ion Ratio Lower Upper
 75 100
 155 0.0 56.6 84.8#
 157 0.0 75.0 112.4#





#69
Naphthalene
Concen: 462.20 ug/L
RT: 14.076 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VU042013.D
Acq: 14 Jan 2021 04:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 3493290
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.2 10.5 15.7

