

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042017.D
 Acq On : 14 Jan 2021 06:16
 Operator : SY/MD
 Sample : M1129-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:52:56 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	6.343	114	98084	5.00	ug/L	0.08
28) Chlorobenzene-d5	9.440	117	96066	5.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	11.816	152	45774	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.646	65	44690	6.04	ug/L	0.05
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.80%
7) Chloroethane-d5	1.983	69	44479	6.35	ug/L	0.06
Spiked Amount	5.000	Range	65 - 130	Recovery	=	127.00%
11) 1,1-Dichloroethene-d2	2.636	63	72430	4.86	ug/L	0.06
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	4.822	46	136037	54.77	ug/L	0.17
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.54%
24) Chloroform-d	5.134	84	104283	6.88	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	137.60%#
26) 1,2-Dichloroethane-d4	5.809	65	41026	4.97	ug/L	0.09
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.825	84	144029	4.64	ug/L	0.08
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.774	67	46137	4.53	ug/L	0.07
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.944	98	112359	4.05	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloroprop...	8.218	79	15868	3.88	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.677	63	83624	39.85	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.70%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	41527	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.195	152	44322	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds				Qvalue		
3) Chloromethane	1.559	50	5047	0.45	ug/L	99
8) Chloroethane	1.925	64	226	0.03	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-...	2.639	101	629	0.08	ug/L #	21
12) 1,1-Dichloroethene	2.629	96	692	0.09	ug/L #	1
14) Carbon disulfide	2.861	76	1733	0.07	ug/L #	39
15) Methyl Acetate	2.974	43	471	0.12	ug/L #	60
25) Chloroform	5.163	83	2522	0.16	ug/L	99
27) 1,2-Dichloroethane	5.822	62	472	0.05	ug/L #	75
33) Benzene	5.832	78	968	0.03	ug/L	100
35) Methylcyclohexane	6.774	83	10732	0.76	ug/L #	17
37) 1,2-Dichloropropane	6.774	63	5153	0.56	ug/L #	93
39) cis-1,3-Dichloropropene	7.626	75	1052	0.08	ug/L #	63
42) Toluene	8.015	91	3951	0.11	ug/L	94
44) trans-1,3-Dichloropropene	8.218	75	579	0.05	ug/L #	22
47) Tetrachloroethene	8.587	164	358	0.06	ug/L	86
48) 2-Hexanone	8.677	43	9890	2.30	ug/L #	68
49) Dibromochloromethane	8.591	129	357	0.05	ug/L #	11
53) m,p-Xylene	9.710	106	1225	0.09	ug/L	67
59) 1,2,3-Trichloropropane	11.816	75	5878	0.97	ug/L	98

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

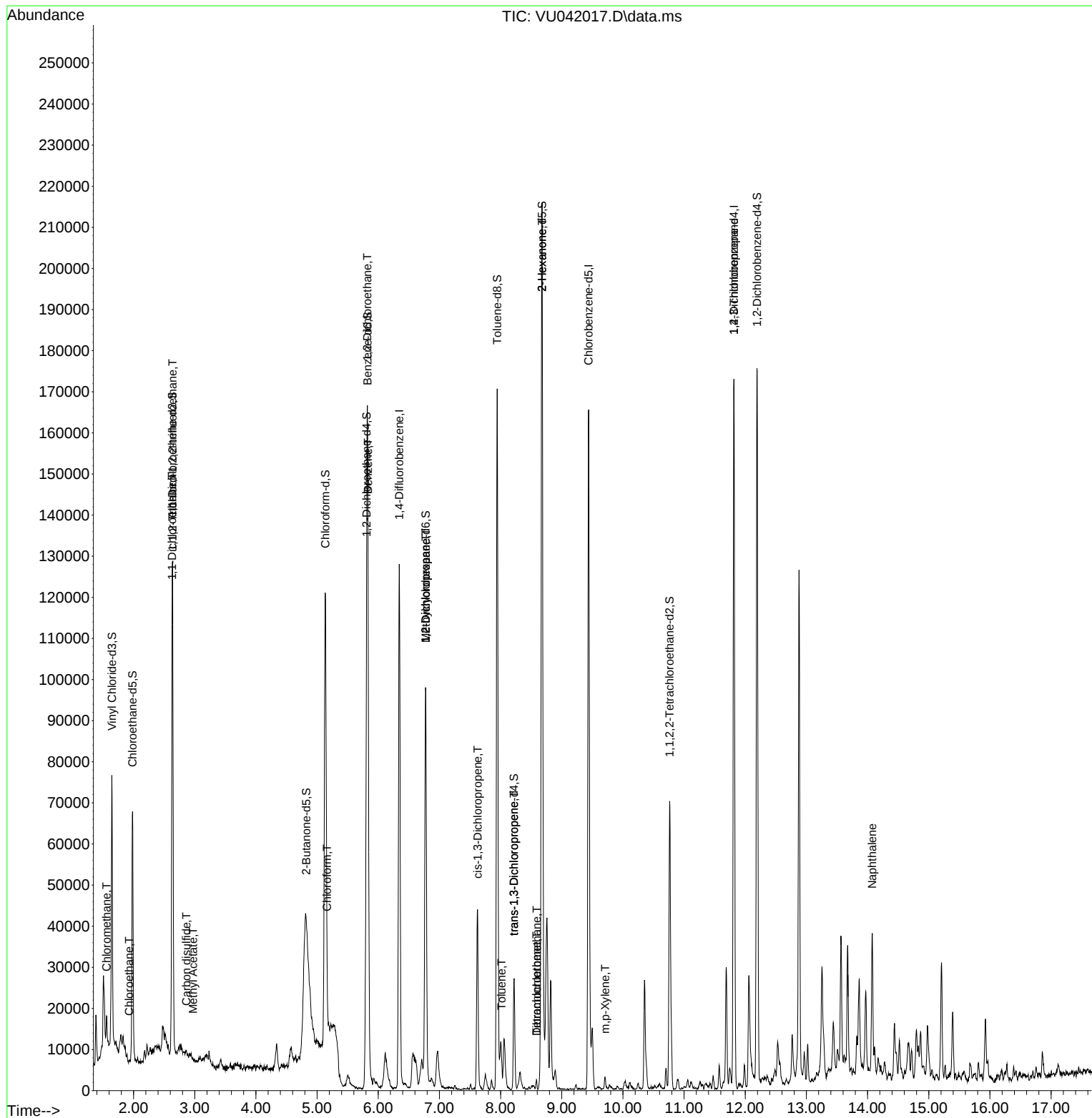
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	14.076	128	25175	1.75	ug/L	99

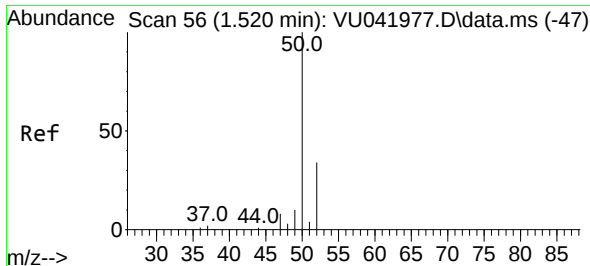
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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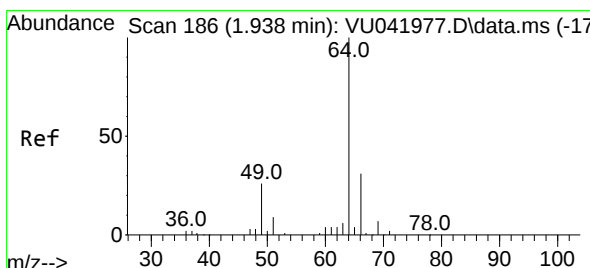
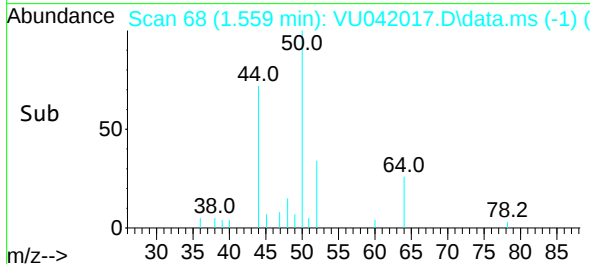
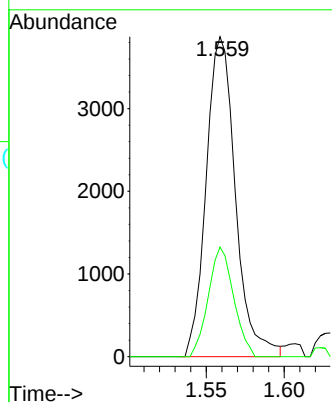
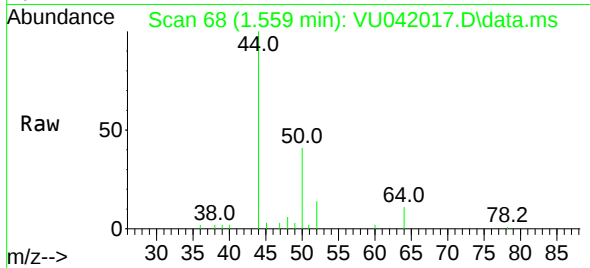




#3
Chloromethane
Concen: 0.45 ug/L
RT: 1.559 min Scan# 68
Delta R.T. 0.039 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

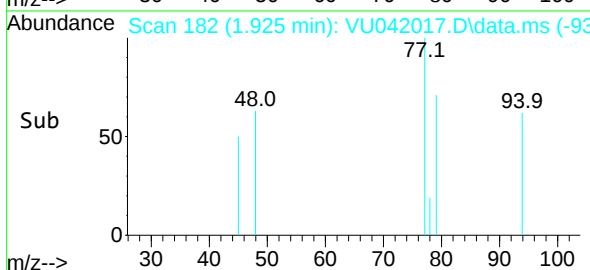
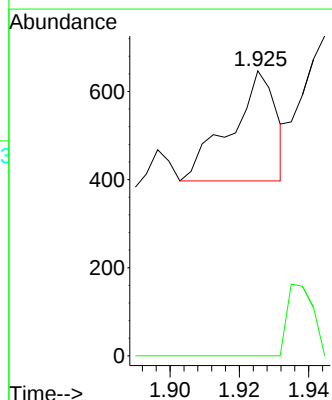
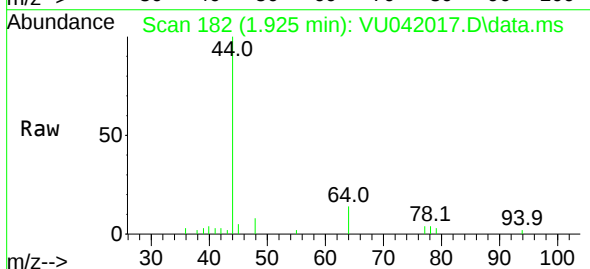
Instrument :
MSVOA_U
ClientSampled :

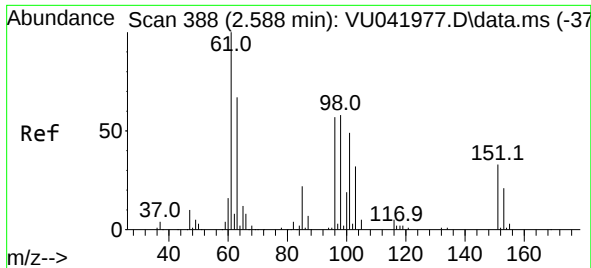
Tgt Ion: 50 Resp: 5047
Ion Ratio Lower Upper
50 100
52 34.2 23.5 43.7



#8
Chloroethane
Concen: 0.03 ug/L
RT: 1.925 min Scan# 182
Delta R.T. -0.013 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

Tgt Ion: 64 Resp: 226
Ion Ratio Lower Upper
64 100
66 0.0 21.6 40.2#

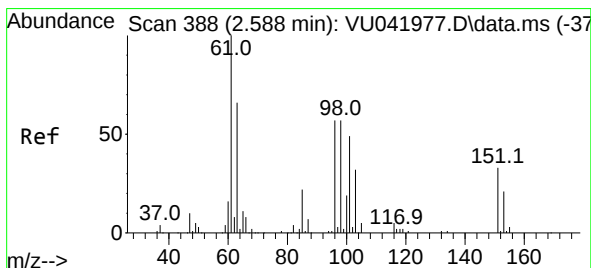
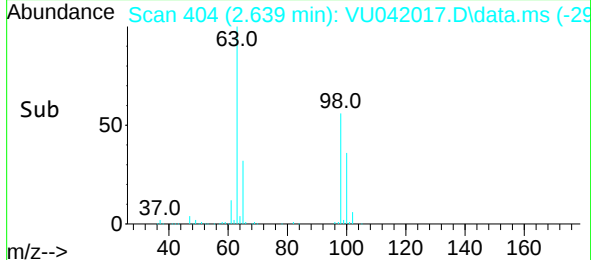
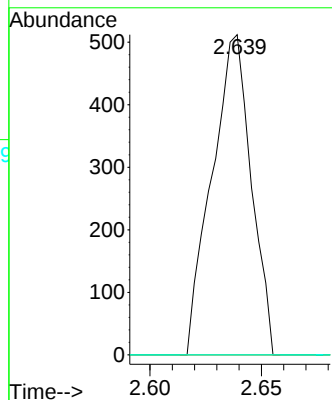
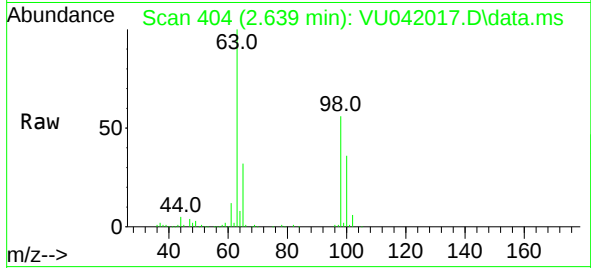




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.08 ug/L
 RT: 2.639 min Scan# 404
 Delta R.T. 0.051 min
 Lab File: VU042017.D
 Acq: 14 Jan 2021 06:16

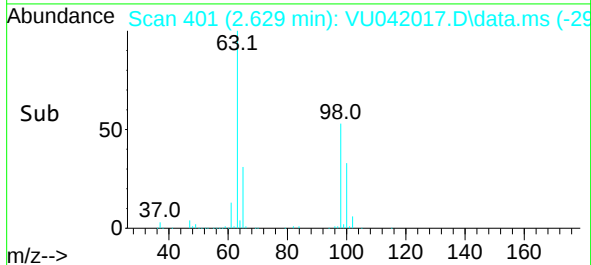
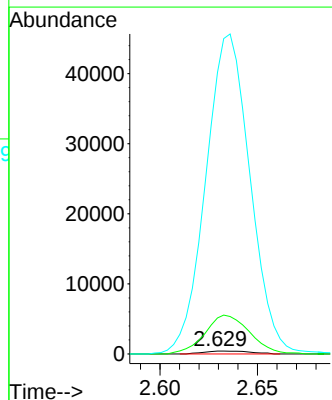
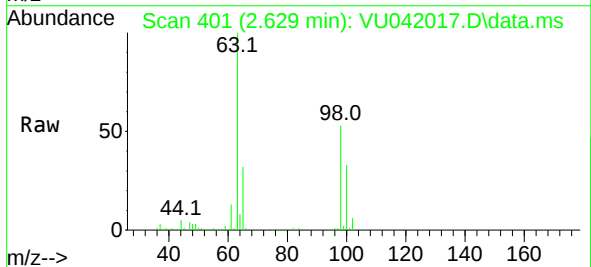
Instrument :
 MSVOA_U
 ClientSampled :

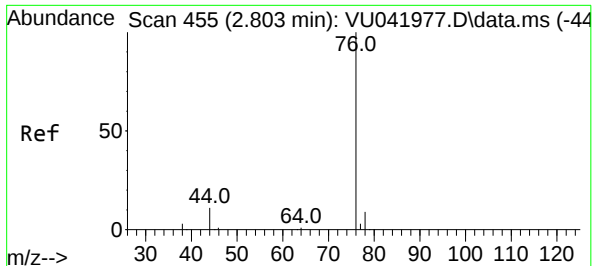
Tgt Ion:101 Resp: 629
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.9 53.9#
 151 0.0 55.4 83.2#



#12
 1,1-Dichloroethene
 Concen: 0.09 ug/L
 RT: 2.629 min Scan# 401
 Delta R.T. 0.042 min
 Lab File: VU042017.D
 Acq: 14 Jan 2021 06:16

Tgt Ion: 96 Resp: 692
 Ion Ratio Lower Upper
 96 100
 61 1222.6 122.2 226.9#
 63 9537.3 82.8 153.8#

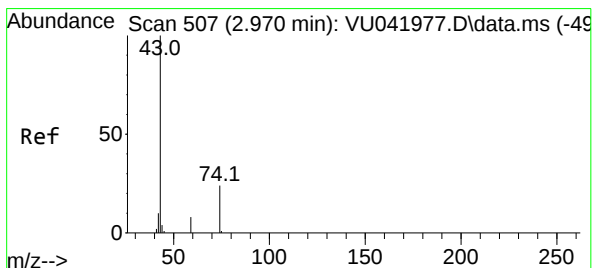
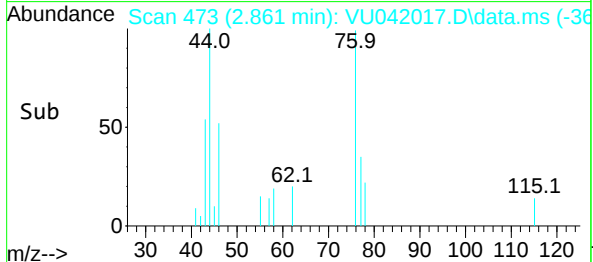
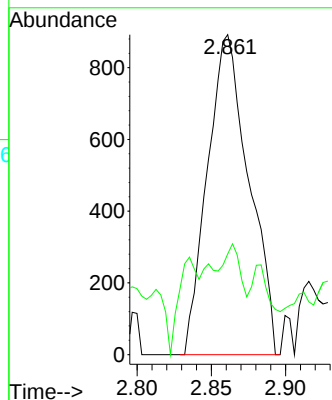
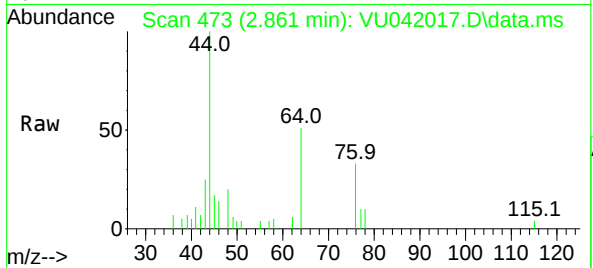




#14
Carbon disulfide
Concen: 0.07 ug/L
RT: 2.861 min Scan# 473
Delta R.T. 0.058 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

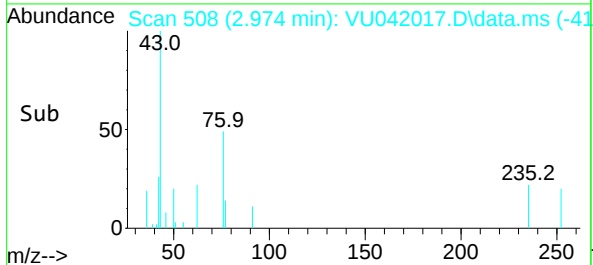
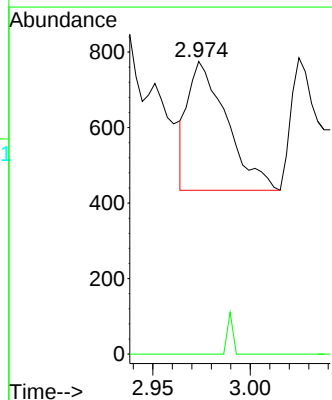
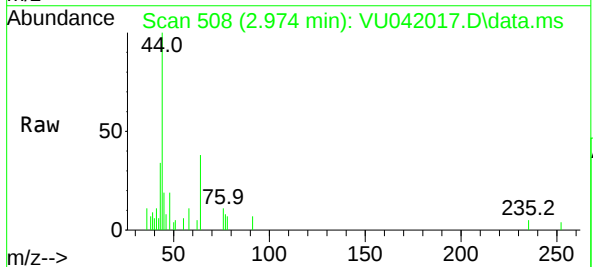
Instrument :
MSVOA_U
ClientSampleId :

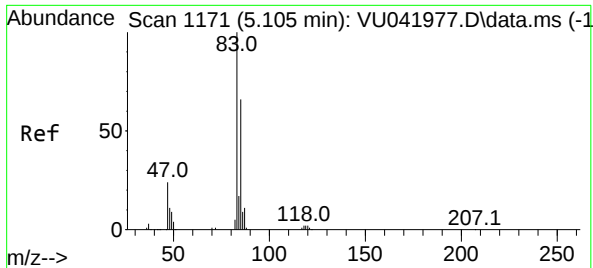
Tgt Ion: 76 Resp: 1733
Ion Ratio Lower Upper
76 100
78 31.5 7.4 11.0#



#15
Methyl Acetate
Concen: 0.12 ug/L
RT: 2.974 min Scan# 508
Delta R.T. 0.003 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
74 4.5 19.2 28.8#

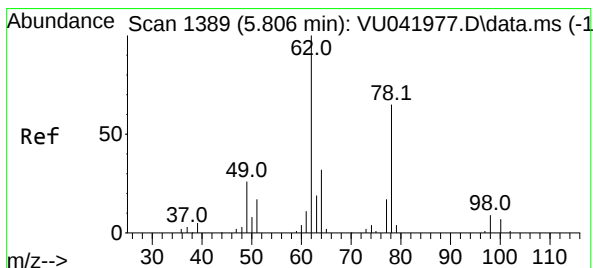
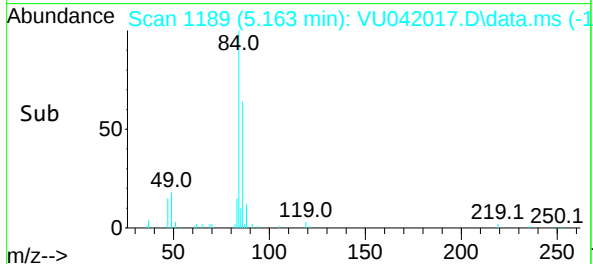
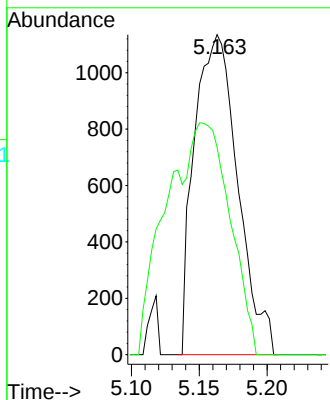
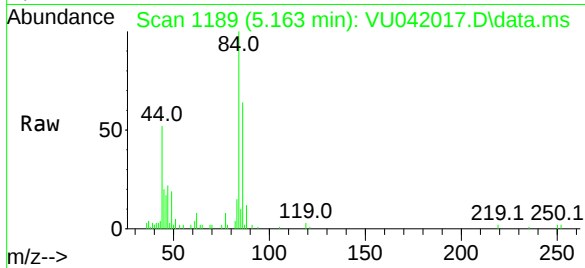




#25
Chloroform
Concen: 0.16 ug/L
RT: 5.163 min Scan# 1189
Delta R.T. 0.058 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

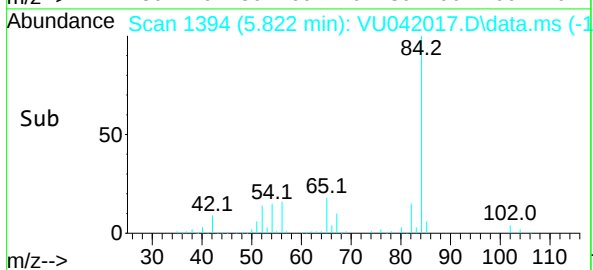
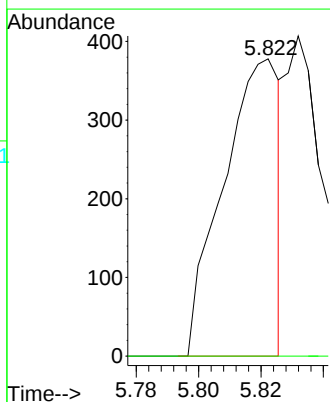
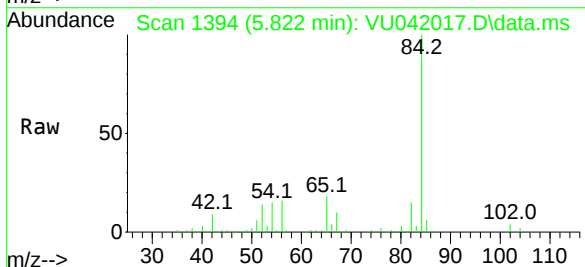
Instrument :
MSVOA_U
ClientSampled :

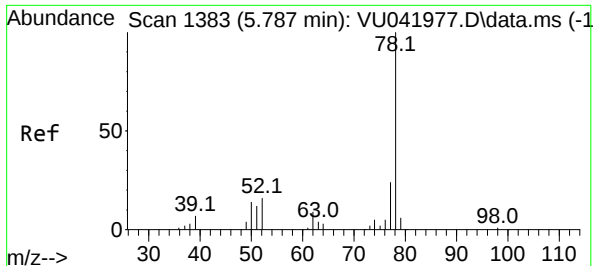
Tgt Ion: 83 Resp: 2522
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.05 ug/L
RT: 5.822 min Scan# 1394
Delta R.T. 0.016 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

Tgt Ion: 62 Resp: 472
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#

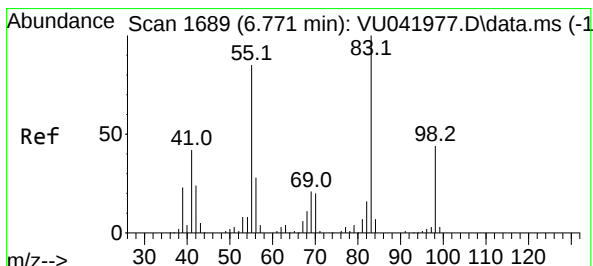
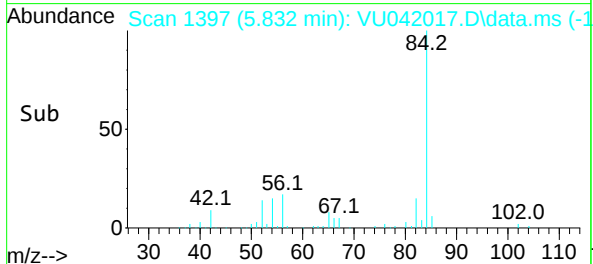
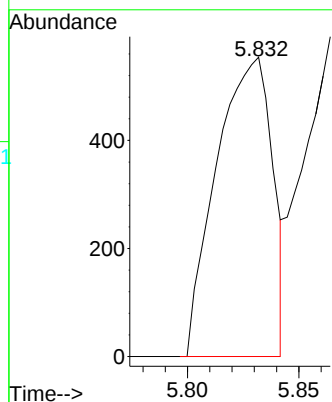
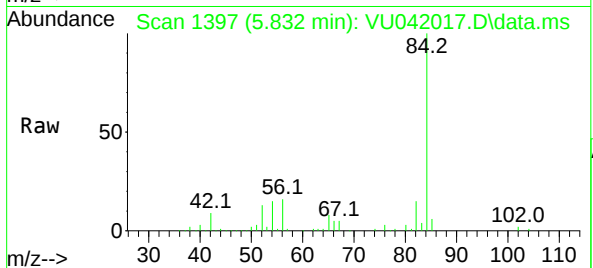




#33
Benzene
Concen: 0.03 ug/L
RT: 5.832 min Scan# 1397
Delta R.T. 0.045 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

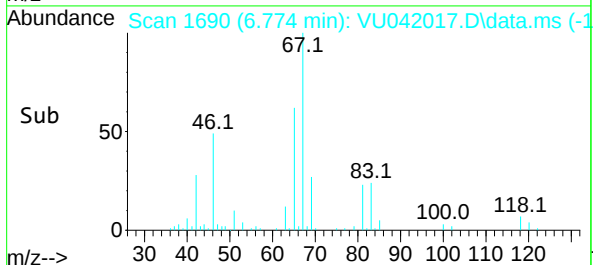
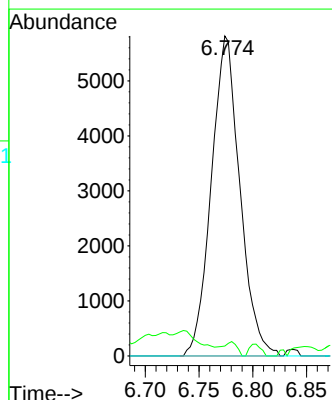
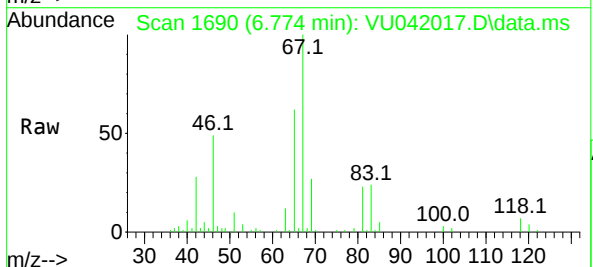
Instrument :
MSVOA_U
ClientSampled :

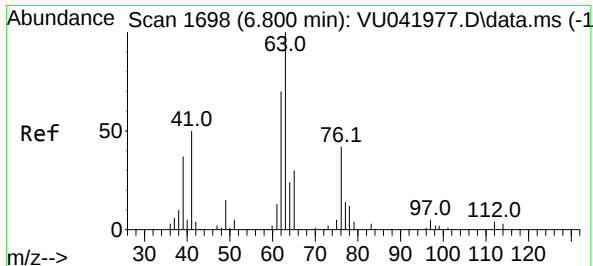
Tgt Ion: 78 Resp: 968



#35
Methylcyclohexane
Concen: 0.76 ug/L
RT: 6.774 min Scan# 1690
Delta R.T. 0.003 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

Tgt Ion: 83 Resp: 10732
Ion Ratio Lower Upper
83 100
55 2.1 66.8 100.2#
98 0.0 35.7 53.5#



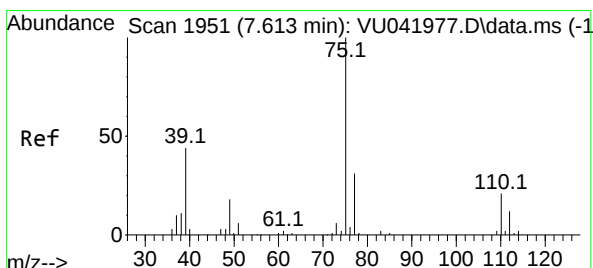
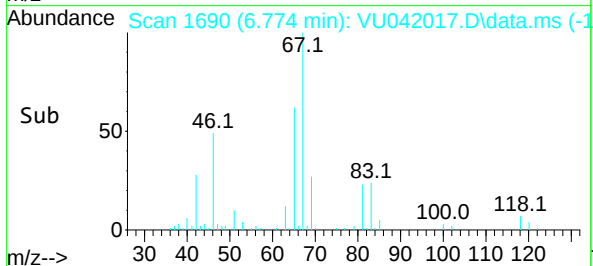
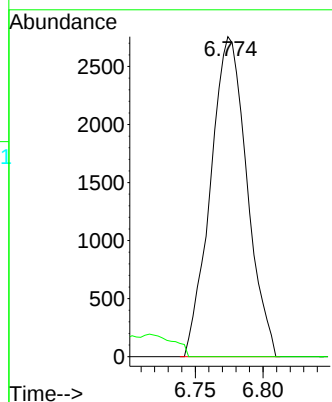
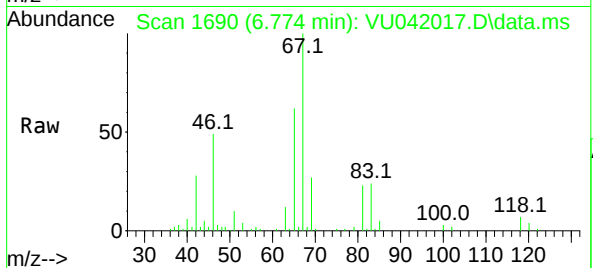


#37

1,2-Dichloropropane
Concen: 0.56 ug/L
RT: 6.774 min Scan# 1690
Delta R.T. -0.026 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

Instrument :
MSVOA_U
ClientSampleId :

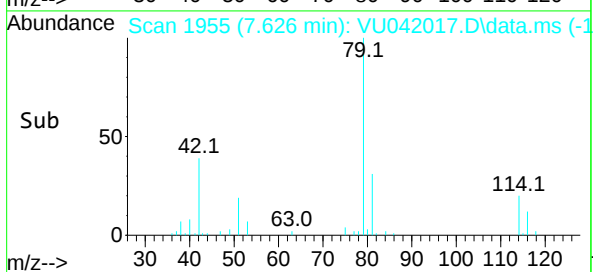
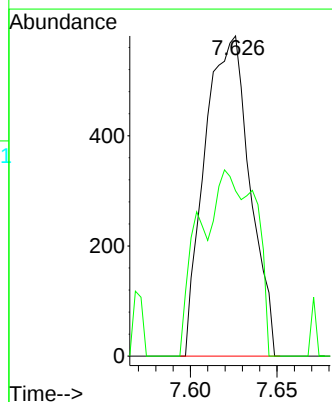
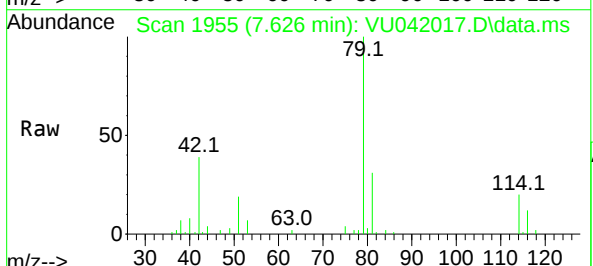
Tgt Ion: 63 Resp: 5153
Ion Ratio Lower Upper
63 100
112 5.7 2.7 4.1#

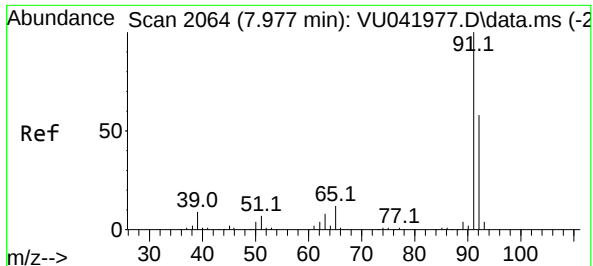


#39

cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.626 min Scan# 1955
Delta R.T. 0.013 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

Tgt Ion: 75 Resp: 1052
Ion Ratio Lower Upper
75 100
77 51.6 21.9 40.7#

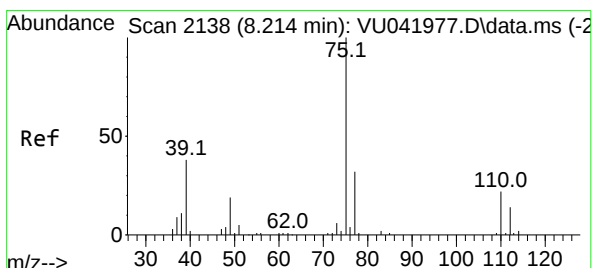
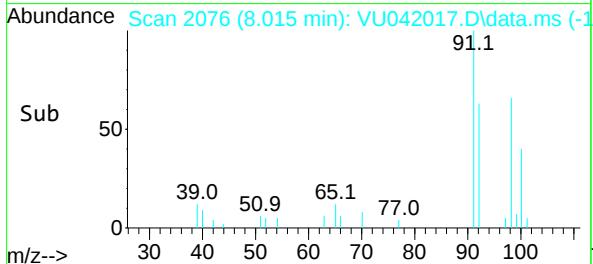
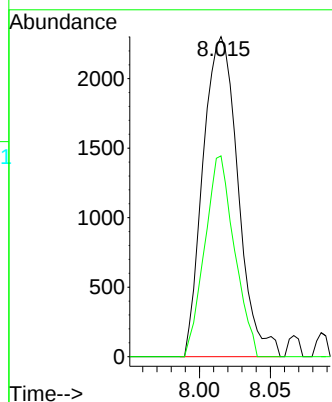
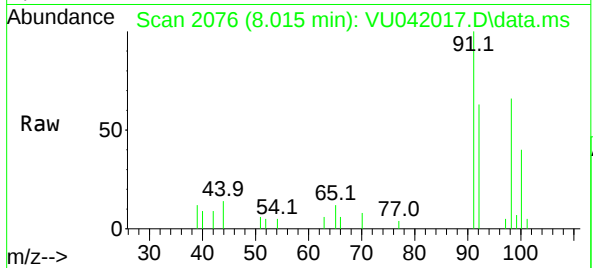




#42
Toluene
Concen: 0.11 ug/L
RT: 8.015 min Scan# 2076
Delta R.T. 0.039 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

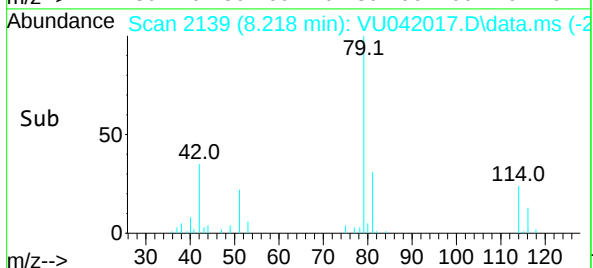
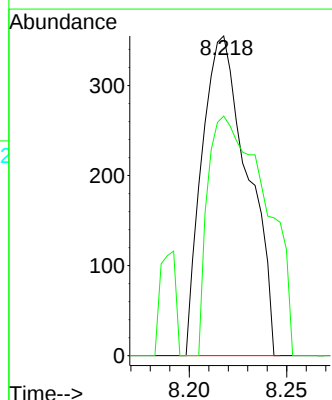
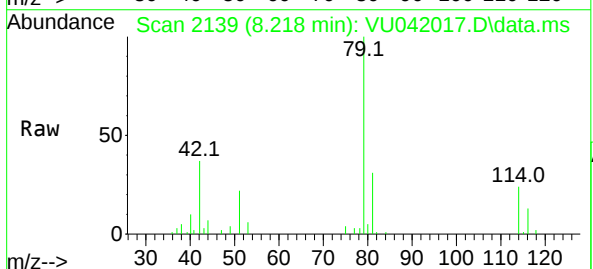
Instrument :
MSVOA_U
ClientSampleId :

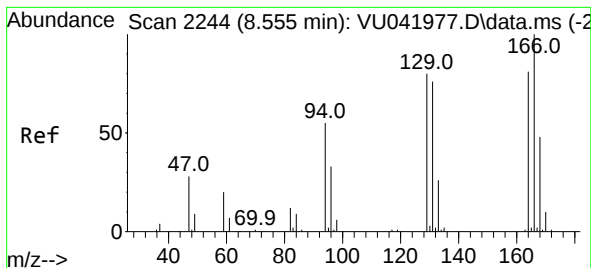
Tgt Ion: 91 Resp: 3951
Ion Ratio Lower Upper
91 100
92 62.7 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 0.05 ug/L
RT: 8.218 min Scan# 2139
Delta R.T. 0.003 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

Tgt Ion: 75 Resp: 579
Ion Ratio Lower Upper
75 100
77 74.9 22.0 41.0#





#47

Tetrachloroethene

Concen: 0.06 ug/L

RT: 8.587 min Scan# 2254

Delta R.T. 0.032 min

Lab File: VU042017.D

Acq: 14 Jan 2021 06:16

Tgt Ion:164 Resp: 358

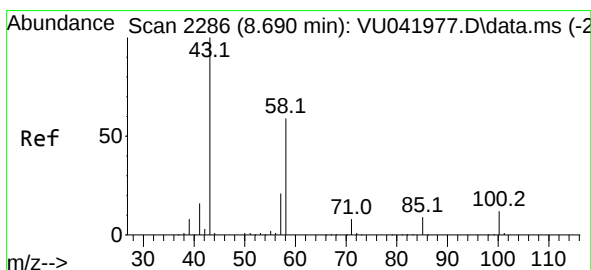
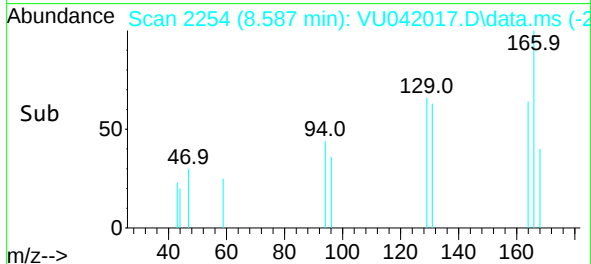
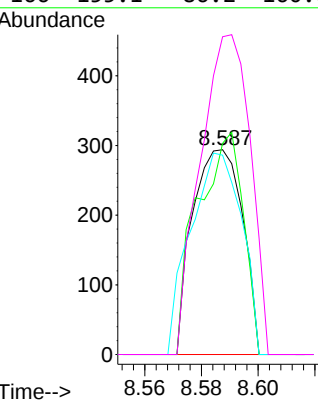
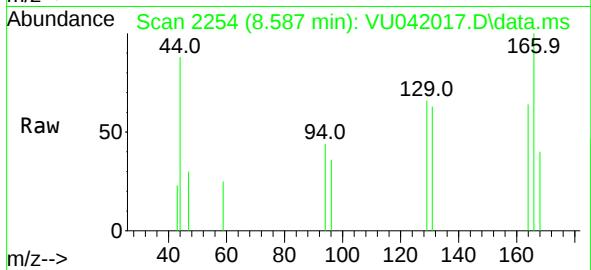
Ion Ratio Lower Upper

164 100

129 103.1 68.7 127.5

131 97.3 65.2 121.0

166 155.1 86.2 160.0



#48

2-Hexanone

Concen: 2.30 ug/L

RT: 8.677 min Scan# 2282

Delta R.T. -0.013 min

Lab File: VU042017.D

Acq: 14 Jan 2021 06:16

Tgt Ion: 43 Resp: 9890

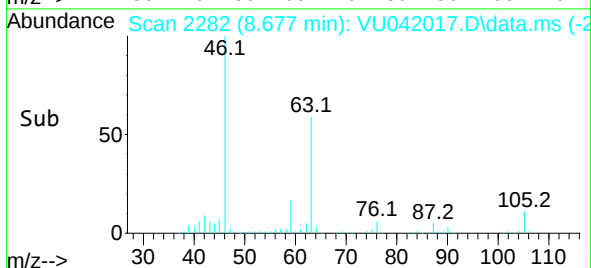
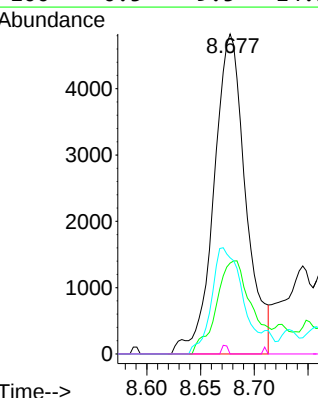
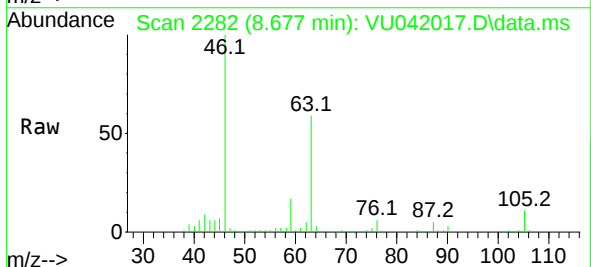
Ion Ratio Lower Upper

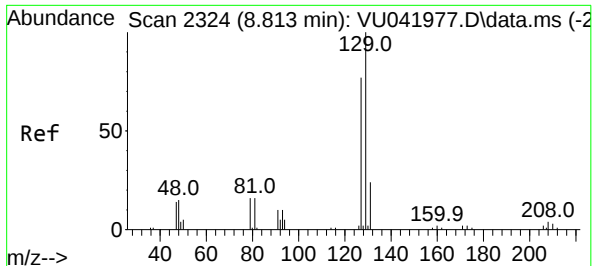
43 100

58 32.7 47.8 71.8#

57 32.5 17.4 26.0#

100 0.5 9.5 14.3#





#49

Dibromochloromethane

Concen: 0.05 ug/L

RT: 8.591 min Scan# 2255

Delta R.T. -0.222 min

Lab File: VU042017.D

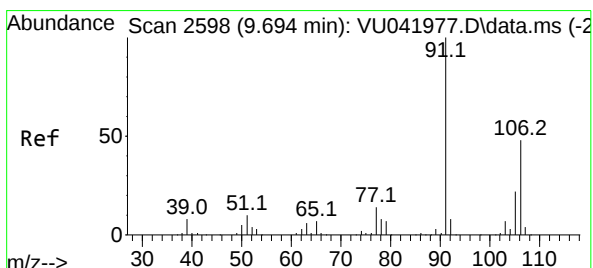
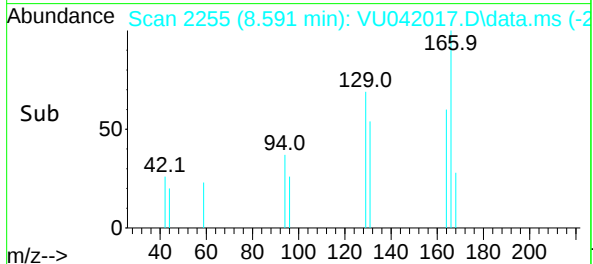
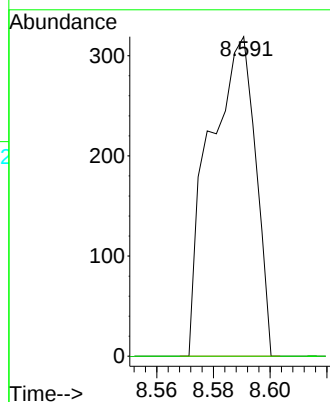
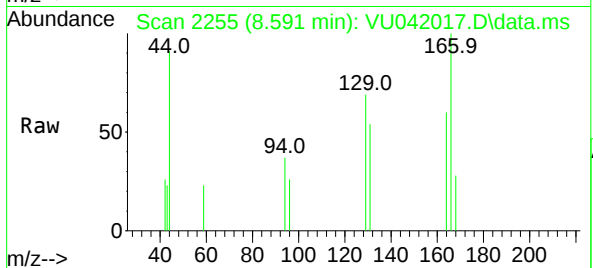
Acq: 14 Jan 2021 06:16

Tgt Ion:129 Resp: 357

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#



#53

m,p-Xylene

Concen: 0.09 ug/L

RT: 9.710 min Scan# 2603

Delta R.T. 0.016 min

Lab File: VU042017.D

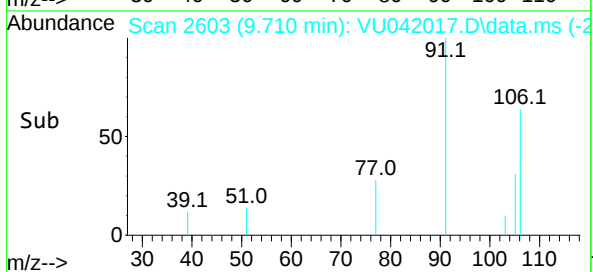
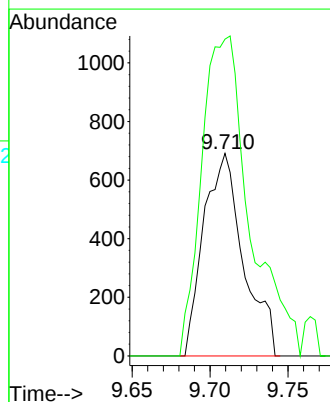
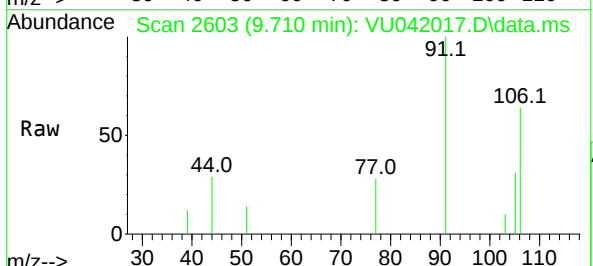
Acq: 14 Jan 2021 06:16

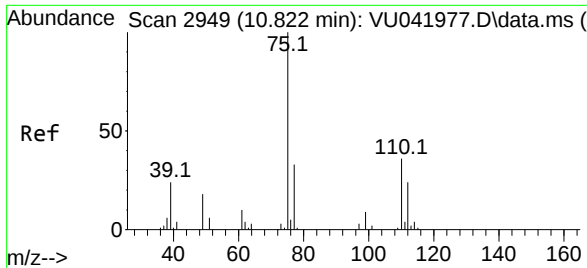
Tgt Ion:106 Resp: 1225

Ion Ratio Lower Upper

106 100

91 156.4 145.7 270.5

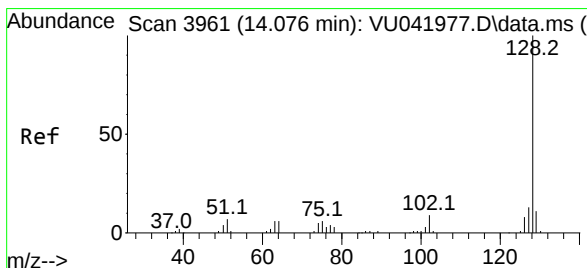
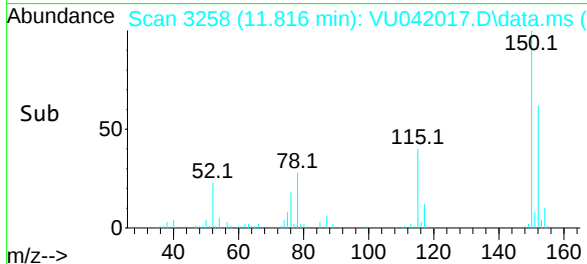
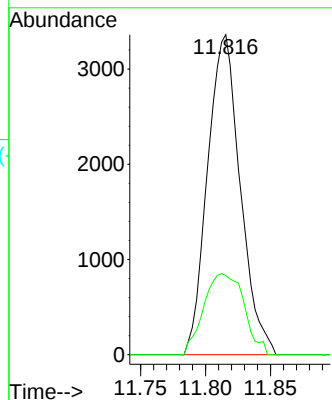
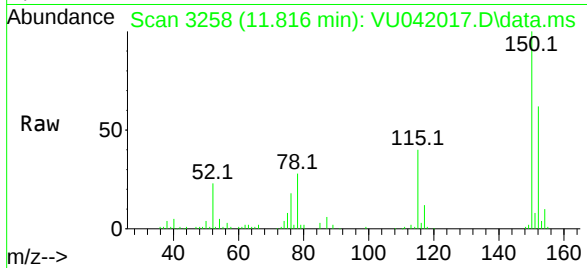




#59
1,2,3-Trichloropropane
Concen: 0.97 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.994 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 5878
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4



#69
Naphthalene
Concen: 1.75 ug/L
RT: 14.076 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VU042017.D
Acq: 14 Jan 2021 06:16

Tgt Ion: 128 Resp: 25175
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.0 10.5 15.7

