

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042015.D
 Acq On : 14 Jan 2021 05:28
 Operator : SY/MD
 Sample : M1129-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:52:19 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	6.259	114	108193	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	106711	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	46466	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	46051	5.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.80%
7) Chloroethane-d5	1.919	69	44950	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.40%
11) 1,1-Dichloroethene-d2	2.568	63	74560	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.694	46	61032	22.28	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	44.56%
24) Chloroform-d	5.079	84	83236	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.719	65	46920	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.739	84	156978	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.703	67	51888	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.902	98	131089	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloroprop...	8.185	79	20466	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.648	63	119352	51.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.40%
57) 1,1,2,2-Tetrachloroeth...	10.758	84	46391	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.188	152	47419	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	8036	0.64	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	584	0.07	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	895	0.11	ug/L #	1
13) Acetone	2.684	43	2499	1.46	ug/L	83
14) Carbon disulfide	2.793	76	5894	0.21	ug/L #	94
15) Methyl Acetate	2.973	43	660	0.16	ug/L #	51
17) Methyl tert-butyl Ether	3.388	73	3447	0.16	ug/L #	82
19) 1,1-Dichloroethane	3.880	63	2008	0.12	ug/L #	82
25) Chloroform	5.105	83	30304	1.79	ug/L	98
27) 1,2-Dichloroethane	5.739	62	860	0.08	ug/L #	75
34) Trichloroethene	6.549	95	372449	37.73	ug/L	99
35) Methylcyclohexane	6.703	83	11798	0.75	ug/L #	21
37) 1,2-Dichloropropane	6.703	63	5678	0.55	ug/L #	95
38) Bromodichloromethane	7.115	83	22852	1.72	ug/L	96
39) cis-1,3-Dichloropropene	7.578	75	1299	0.08	ug/L #	53
40) 4-Methyl-2-pentanone	7.809	43	3428	0.48	ug/L #	57
42) Toluene	7.976	91	6163	0.15	ug/L	98
44) trans-1,3-Dichloropropene	8.185	75	754	0.06	ug/L #	53
47) Tetrachloroethene	8.555	164	8134	1.27	ug/L	98

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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

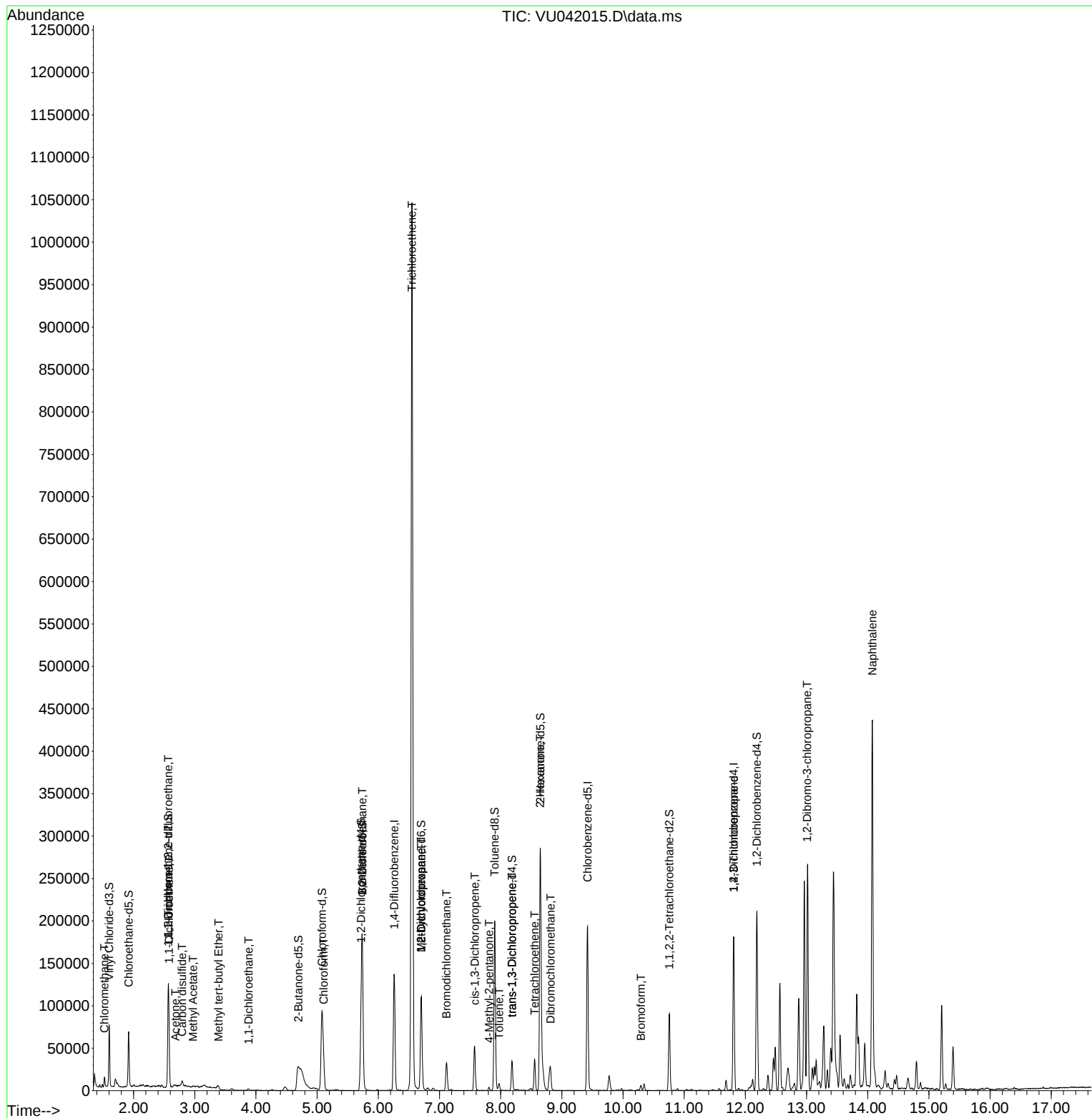
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.645	43	13712	2.87	ug/L #	68
49) Dibromochloromethane	8.816	129	13646	1.73	ug/L	99
59) 1,2,3-Trichloropropane	11.809	75	5688	0.84	ug/L	92
61) Bromoform	10.291	173	2720	0.69	ug/L #	89
66) 1,2-Dibromo-3-chloropr...	13.012	75	1250	0.91	ug/L #	8
69) Naphthalene	14.076	128	327866	22.51	ug/L	100

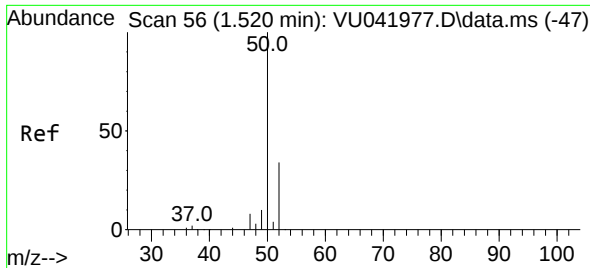
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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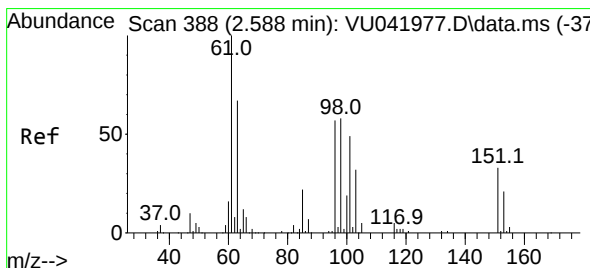
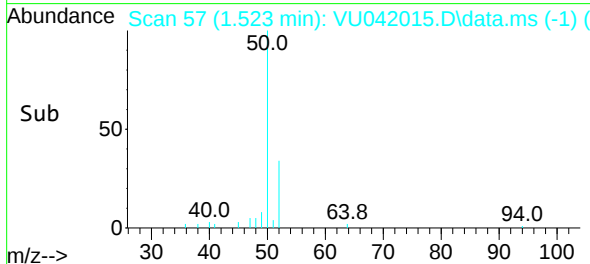
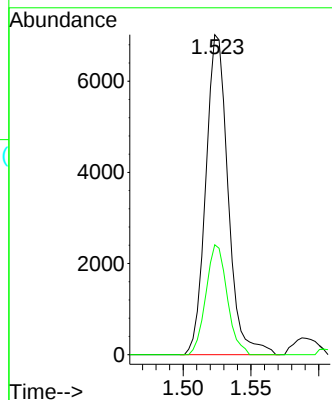
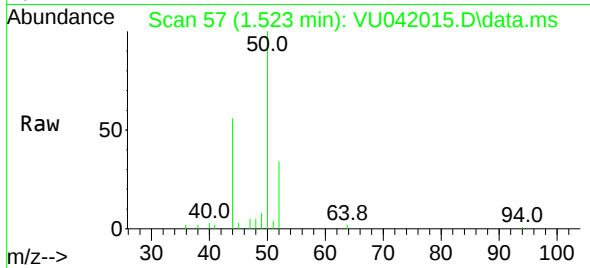




#3
Chloromethane
Concen: 0.64 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

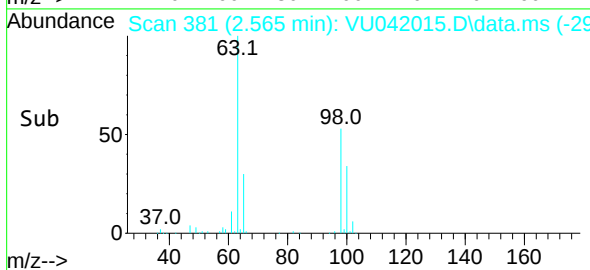
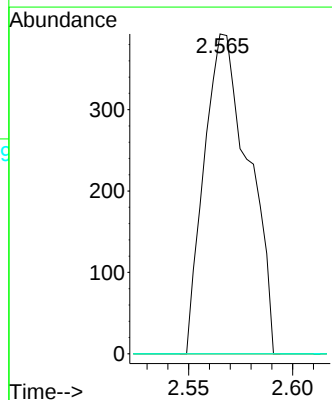
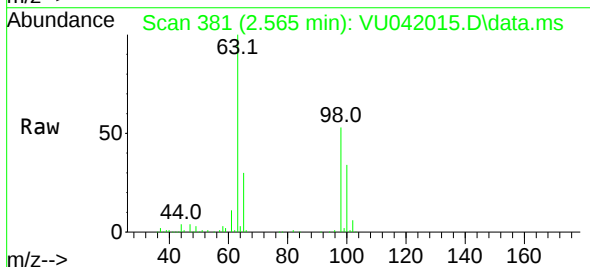
Instrument :
MSVOA_U
ClientSampleId :

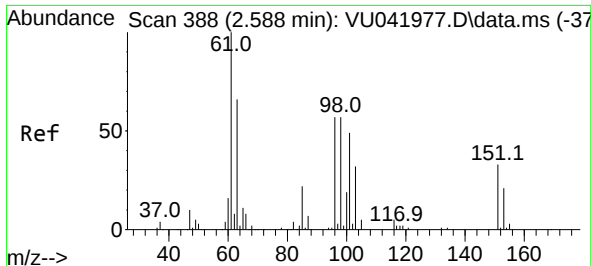
Tgt Ion: 50 Resp: 8036
Ion Ratio Lower Upper
50 100
52 34.3 23.5 43.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.07 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.023 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Tgt Ion: 101 Resp: 584
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: 0.11 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.010 min

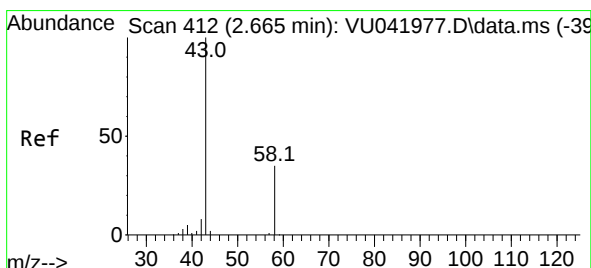
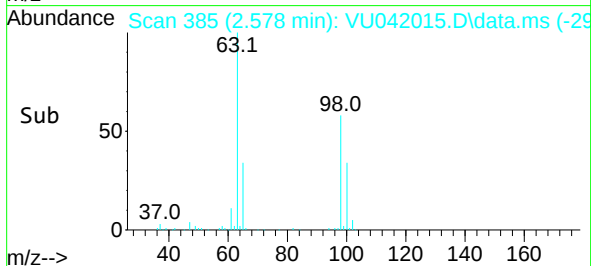
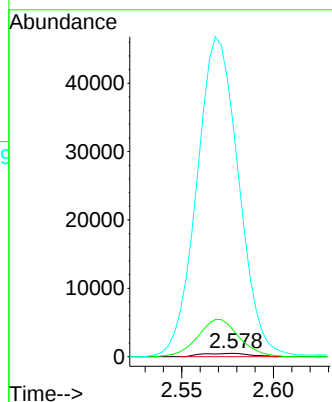
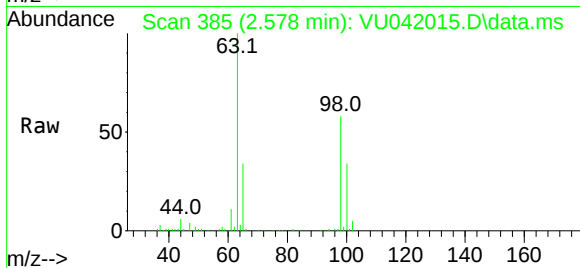
Lab File: VU042015.D

Acq: 14 Jan 2021 05:28

Tgt Ion: 96 Resp: 895

Ion	Ratio	Lower	Upper
96	100		
61	791.5	122.2	226.9#
63	6924.1	82.8	153.8#

Instrument :
MSVOA_U
ClientSampleId :



#13

Acetone

Concen: 1.46 ug/L

RT: 2.684 min Scan# 418

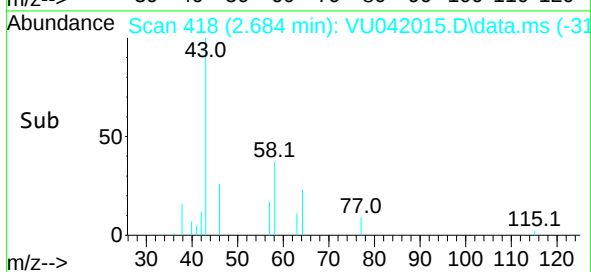
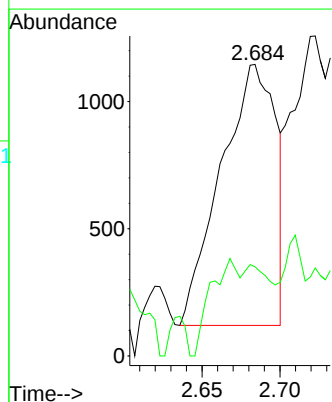
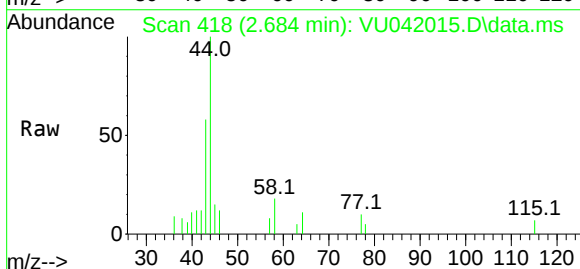
Delta R.T. 0.019 min

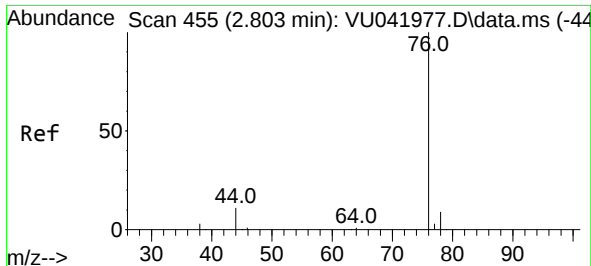
Lab File: VU042015.D

Acq: 14 Jan 2021 05:28

Tgt Ion: 43 Resp: 2499

Ion	Ratio	Lower	Upper
43	100		
58	19.6	0.0	57.4

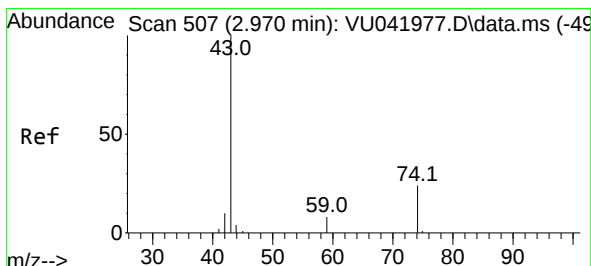
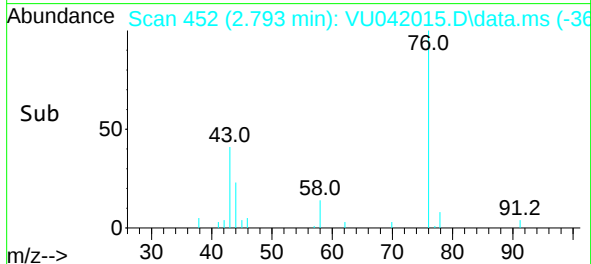
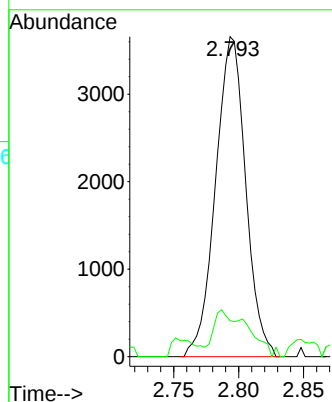
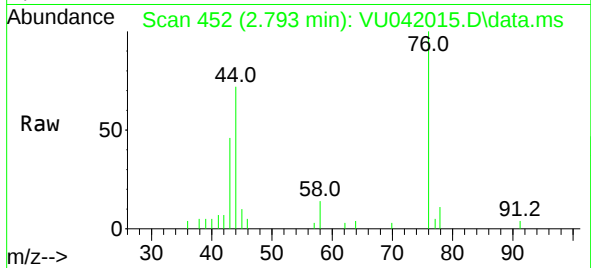




#14
Carbon disulfide
Concen: 0.21 ug/L
RT: 2.793 min Scan# 452
Delta R.T. -0.010 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

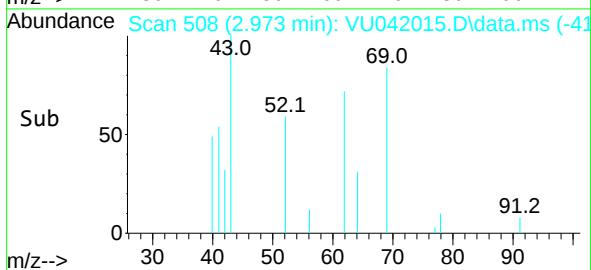
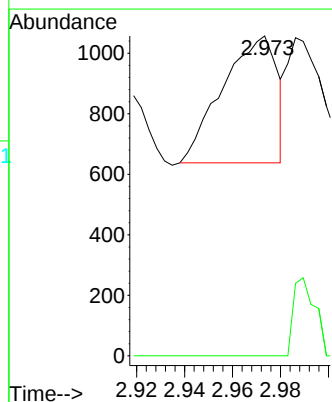
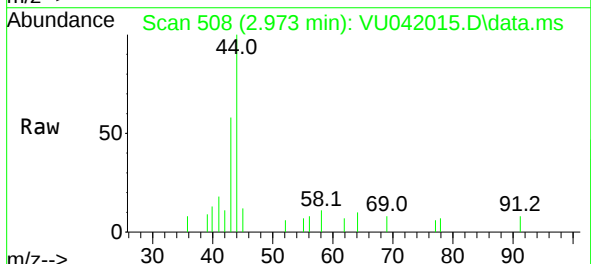
Instrument :
MSVOA_U
ClientSampleId :

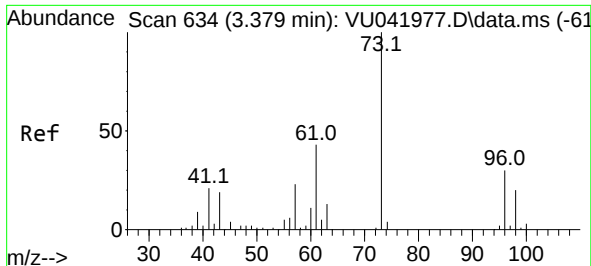
Tgt Ion: 76 Resp: 5894
Ion Ratio Lower Upper
76 100
78 11.2 7.4 11.0#



#15
Methyl Acetate
Concen: 0.16 ug/L
RT: 2.973 min Scan# 508
Delta R.T. 0.003 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#





#17

Methyl tert-butyl Ether

Concen: 0.16 ug/L

RT: 3.388 min Scan# 637

Delta R.T. 0.010 min

Lab File: VU042015.D

Acq: 14 Jan 2021 05:28

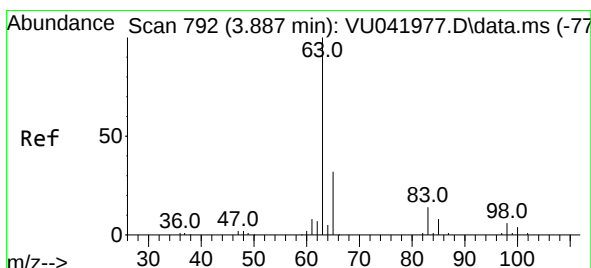
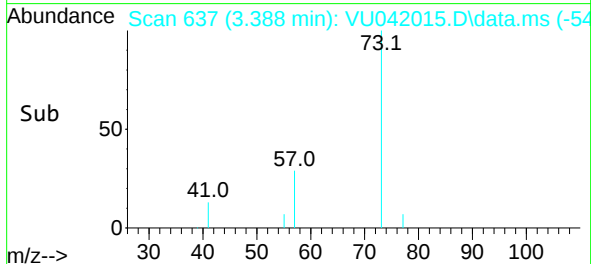
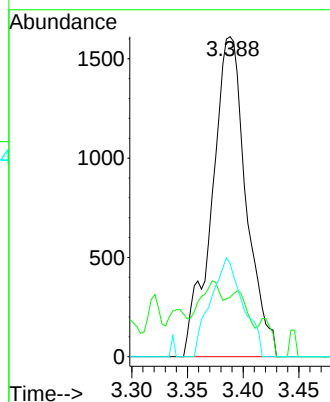
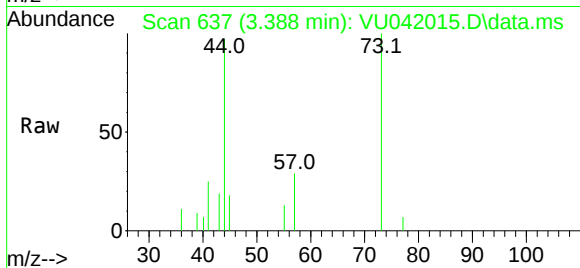
Tgt Ion: 73 Resp: 3447

Ion Ratio Lower Upper

73 100

43 8.9 15.1 22.7#

57 29.1 18.0 27.0#



#19

1,1-Dichloroethane

Concen: 0.12 ug/L

RT: 3.880 min Scan# 790

Delta R.T. -0.007 min

Lab File: VU042015.D

Acq: 14 Jan 2021 05:28

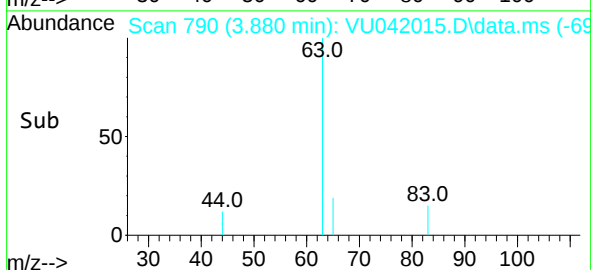
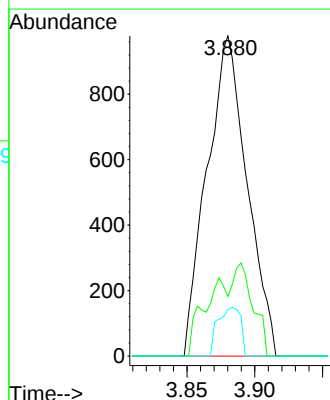
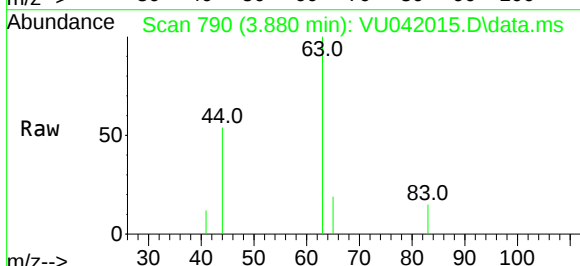
Tgt Ion: 63 Resp: 2008

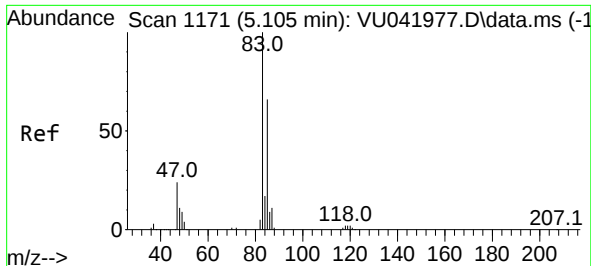
Ion Ratio Lower Upper

63 100

65 18.6 22.7 42.1#

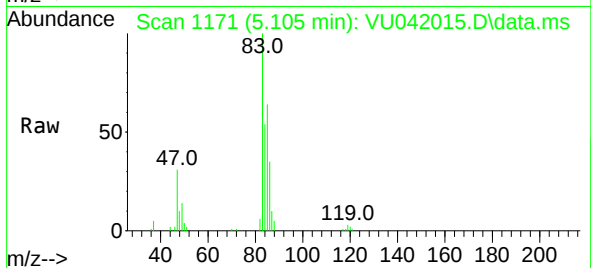
83 14.5 9.4 17.6



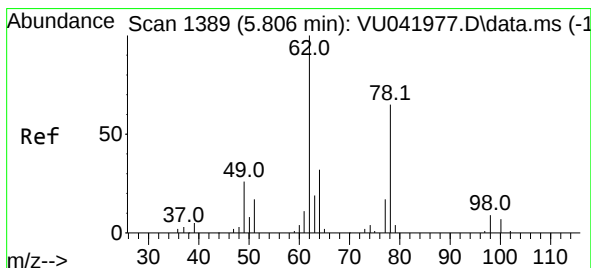
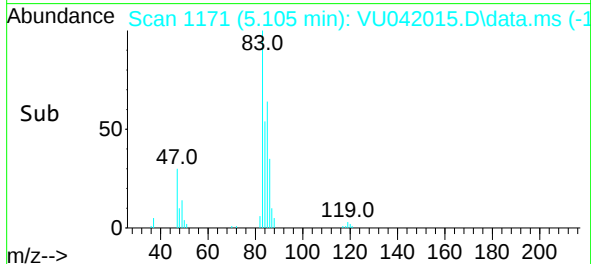
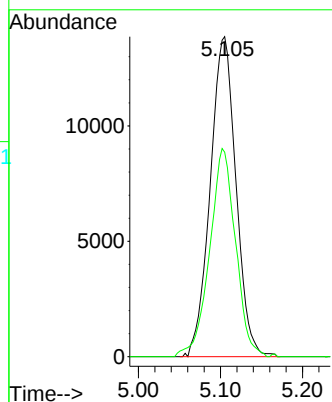


#25
Chloroform
Concen: 1.79 ug/L
RT: 5.105 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Instrument :
MSVOA_U
ClientSampled :

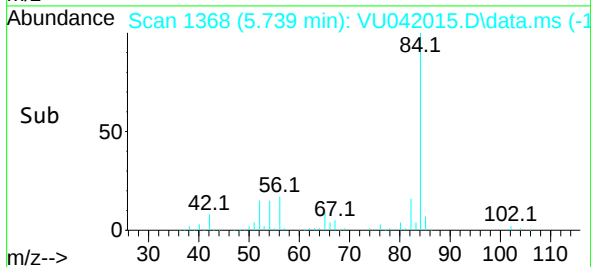
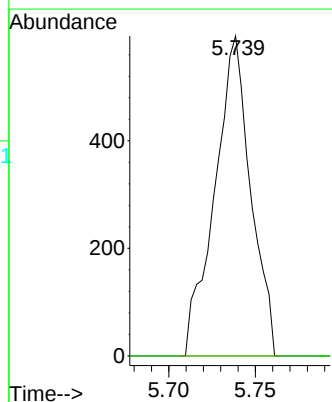
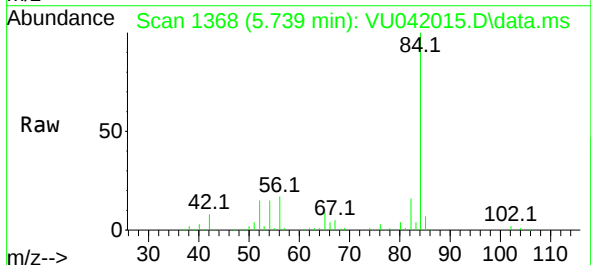


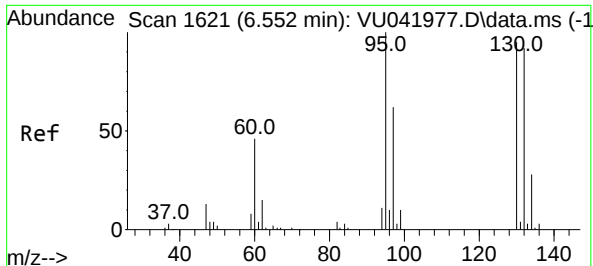
Tgt Ion: 83 Resp: 30304
Ion Ratio Lower Upper
83 100
85 63.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 5.739 min Scan# 1368
Delta R.T. -0.068 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

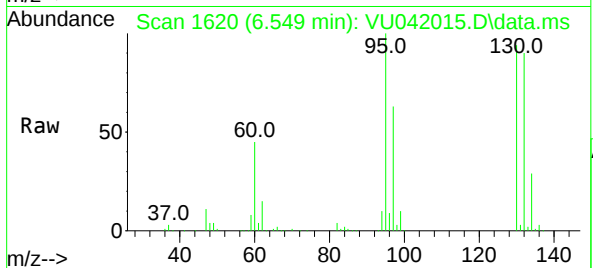
Tgt Ion: 62 Resp: 860
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#





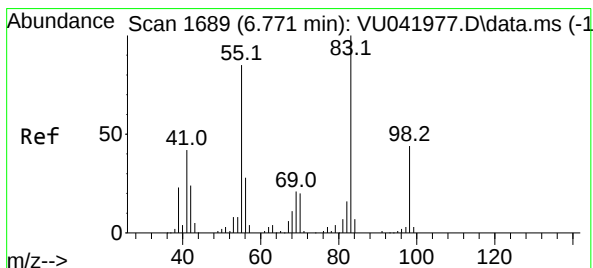
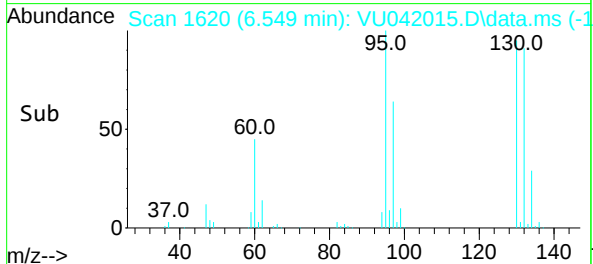
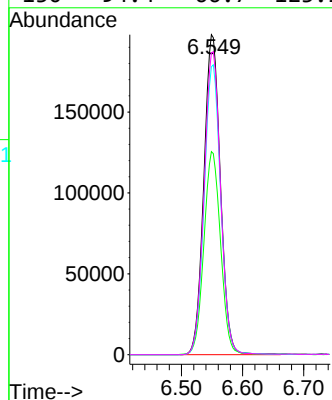
#34
Trichloroethene
Concen: 37.73 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 372449

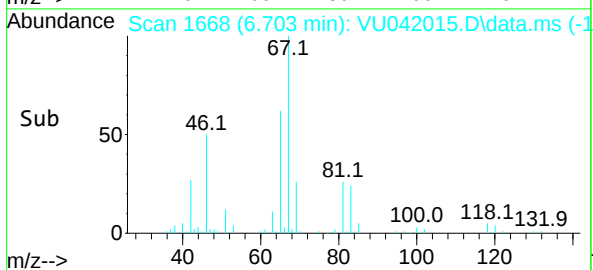
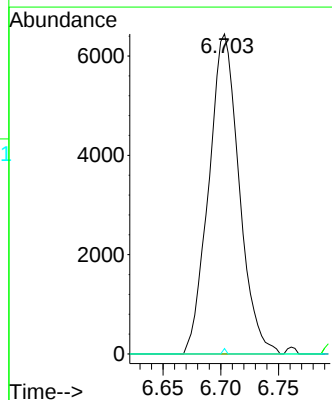
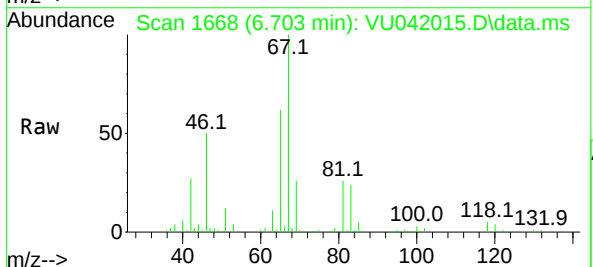
Ion	Ratio	Lower	Upper
95	100		
97	63.5	43.6	81.0
132	90.0	64.3	119.3
130	94.4	66.7	123.9

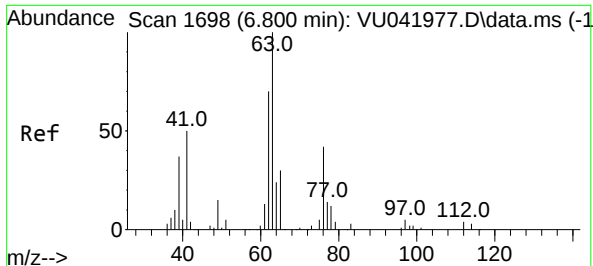


#35
Methylcyclohexane
Concen: 0.75 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.068 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Tgt Ion: 83 Resp: 11798

Ion	Ratio	Lower	Upper
83	100		
55	6.8	66.8	100.2#
98	0.0	35.7	53.5#



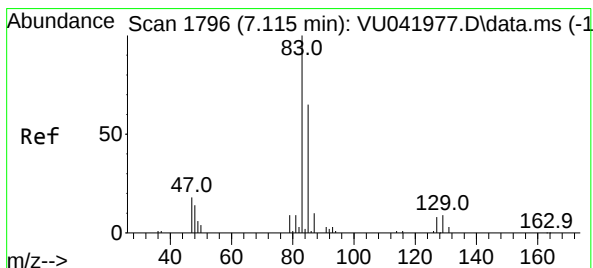
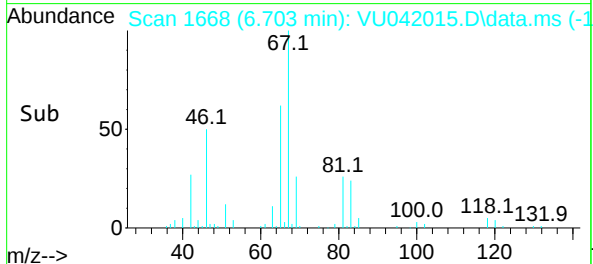
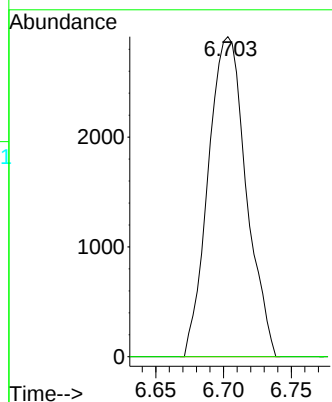
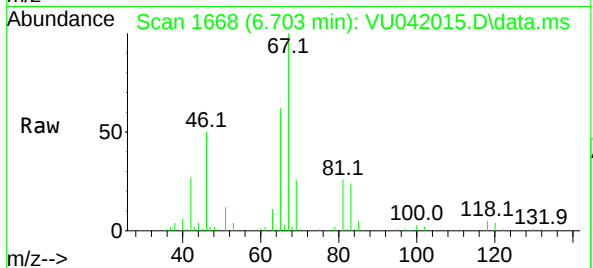


#37

1,2-Dichloropropane
Concen: 0.55 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.097 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Instrument :
MSVOA_U
ClientSampleId :

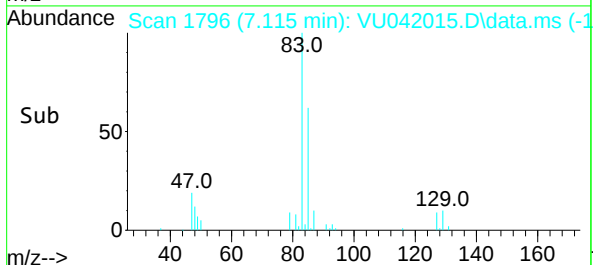
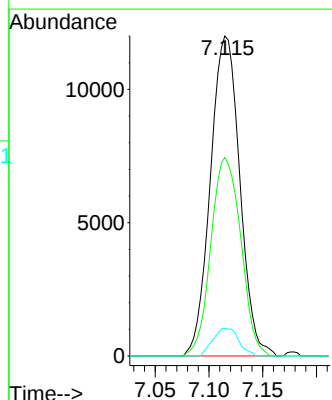
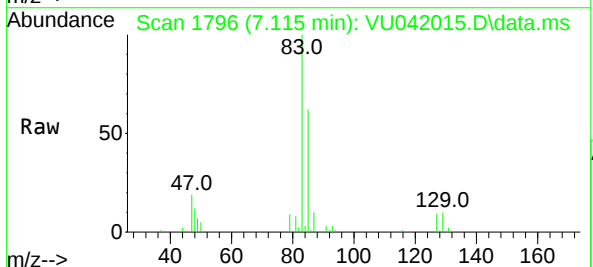
Tgt Ion: 63 Resp: 5678
Ion Ratio Lower Upper
63 100
112 1.9 2.7 4.1#

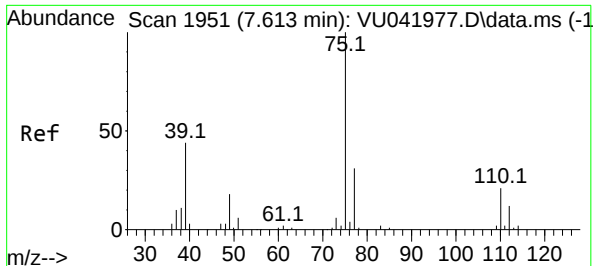


#38

Bromodichloromethane
Concen: 1.72 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Tgt Ion: 83 Resp: 22852
Ion Ratio Lower Upper
83 100
85 62.0 45.8 85.0
127 8.7 6.1 9.1



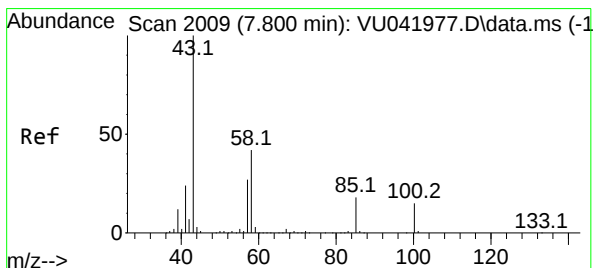
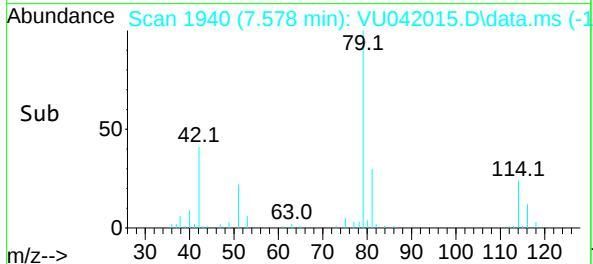
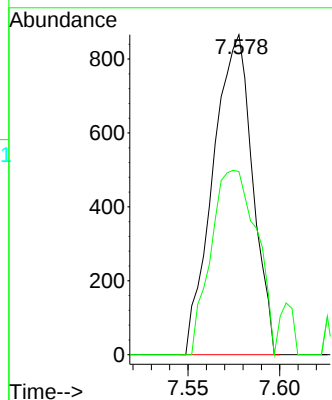
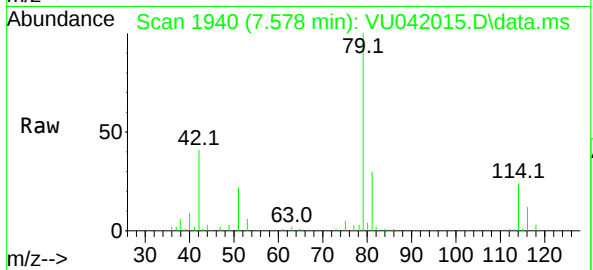


#39

cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.035 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Instrument :
MSVOA_U
ClientSampleId :

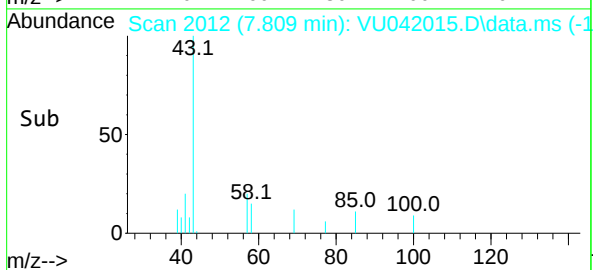
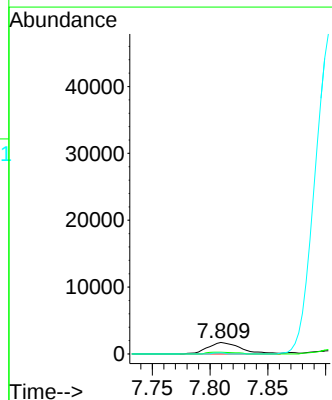
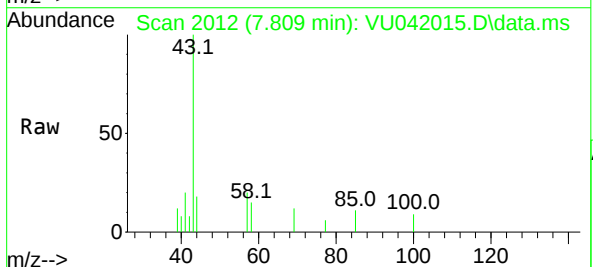
Tgt Ion: 75 Resp: 1299
Ion Ratio Lower Upper
75 100
77 57.3 21.9 40.7#

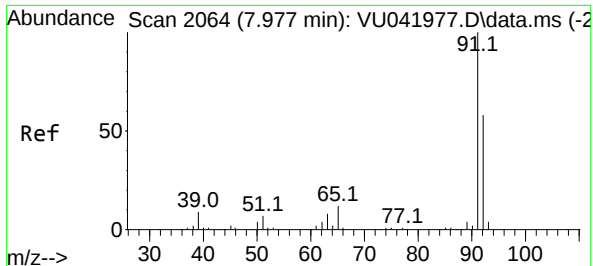


#40

4-Methyl-2-pentanone
Concen: 0.48 ug/L
RT: 7.809 min Scan# 2012
Delta R.T. 0.010 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Tgt Ion: 43 Resp: 3428
Ion Ratio Lower Upper
43 100
58 13.1 33.7 50.5#
100 0.0 11.9 17.9#

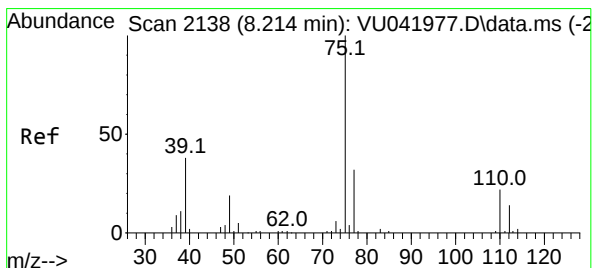
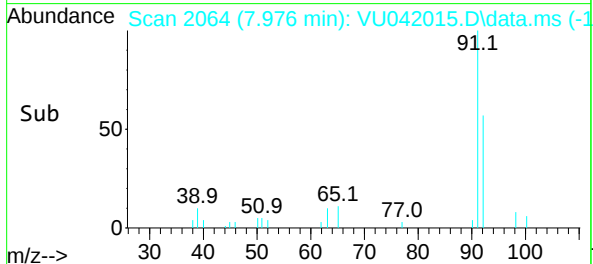
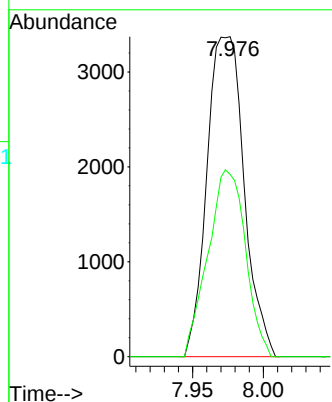
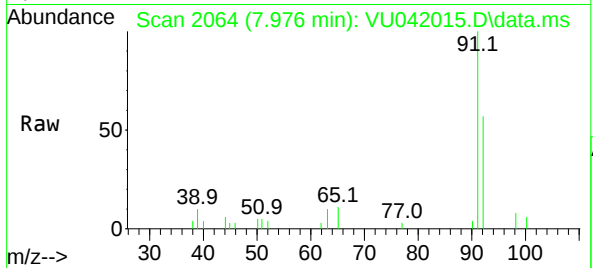




#42
Toluene
Concen: 0.15 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

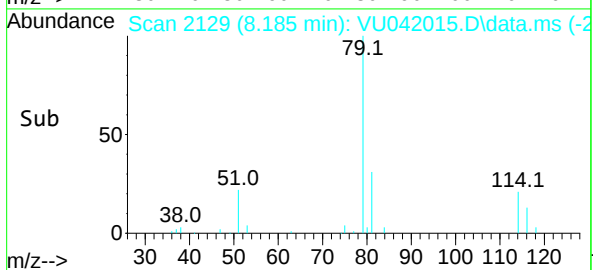
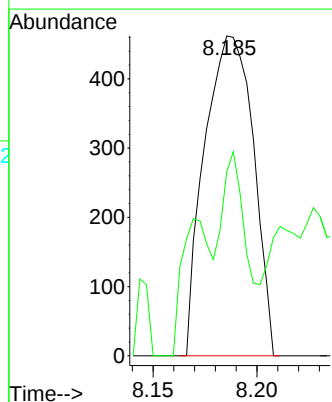
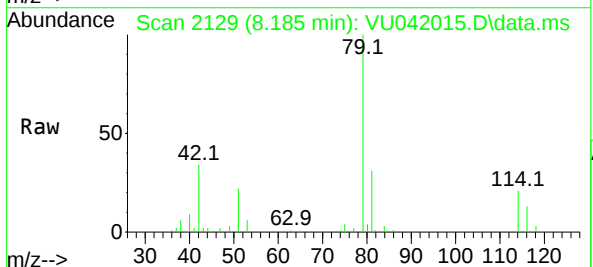
Instrument :
MSVOA_U
ClientSampled :

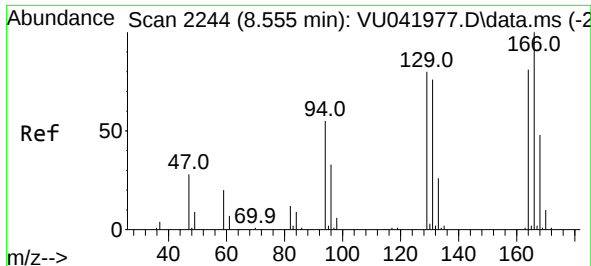
Tgt Ion: 91 Resp: 6163
Ion Ratio Lower Upper
91 100
92 57.0 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Tgt Ion: 75 Resp: 754
Ion Ratio Lower Upper
75 100
77 57.6 22.0 41.0#



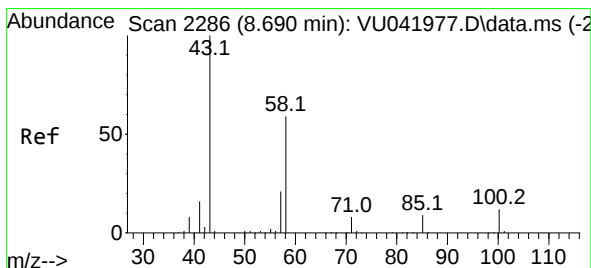
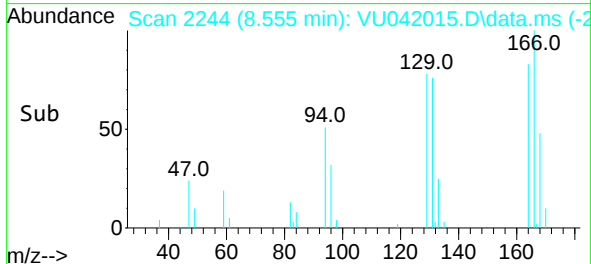
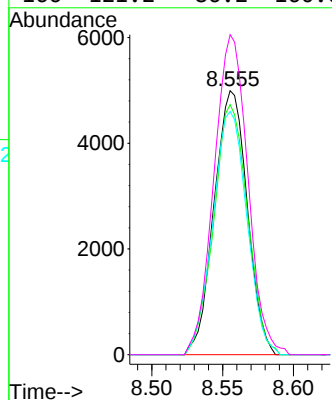
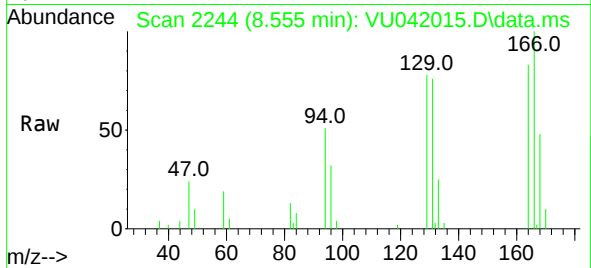


#47
Tetrachloroethene
Concen: 1.27 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:164 Resp: 8134

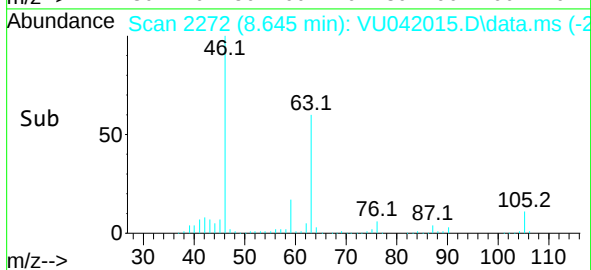
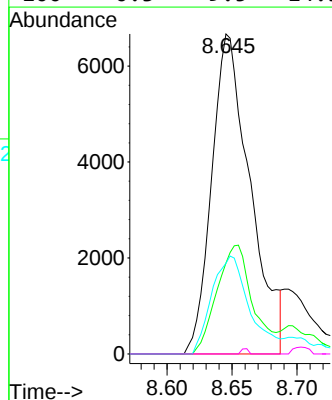
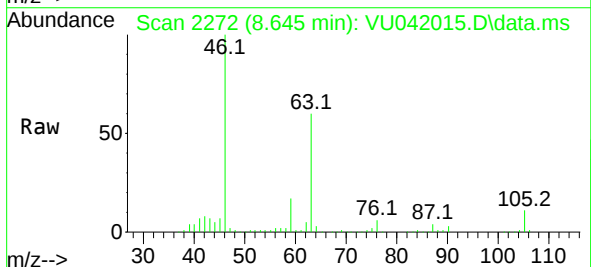
Ion	Ratio	Lower	Upper
164	100		
129	94.7	68.7	127.5
131	92.1	65.2	121.0
166	121.2	86.2	160.0

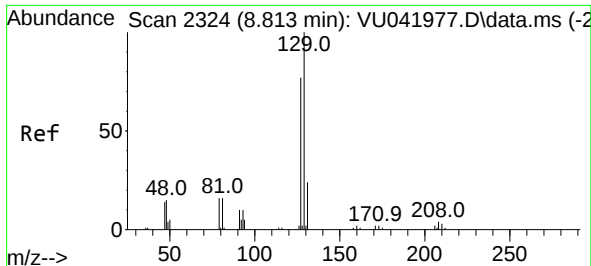


#48
2-Hexanone
Concen: 2.87 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.045 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

Tgt Ion: 43 Resp: 13712

Ion	Ratio	Lower	Upper
43	100		
58	31.7	47.8	71.8#
57	30.1	17.4	26.0#
100	0.3	9.5	14.3#





#49

Dibromochloromethane

Concen: 1.73 ug/L

RT: 8.816 min Scan# 2325

Delta R.T. 0.003 min

Lab File: VU042015.D

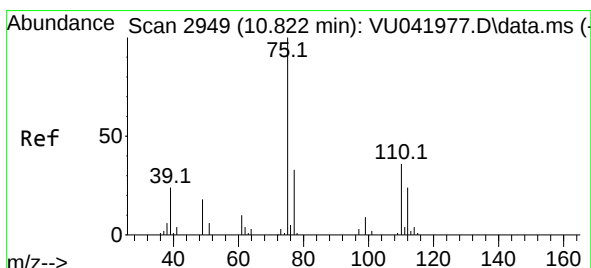
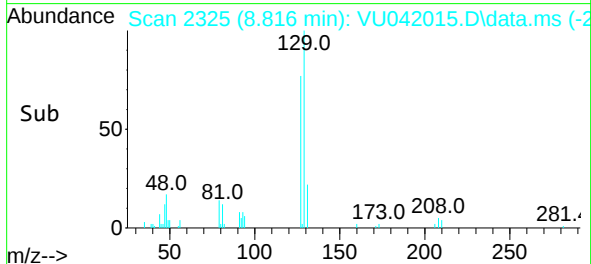
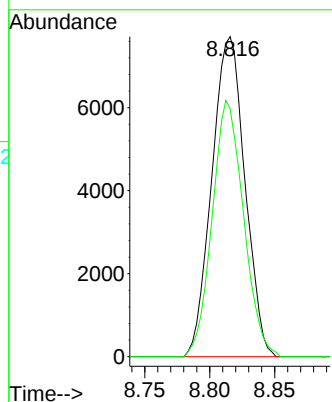
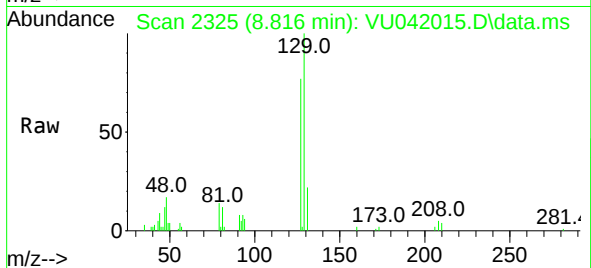
Acq: 14 Jan 2021 05:28

Tgt Ion:129 Resp: 13646

Ion Ratio Lower Upper

129 100

127 77.5 53.7 99.7



#59

1,2,3-Trichloropropane

Concen: 0.84 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU042015.D

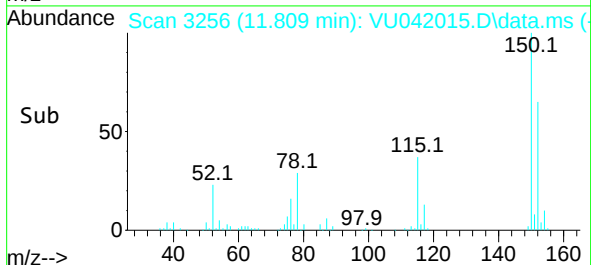
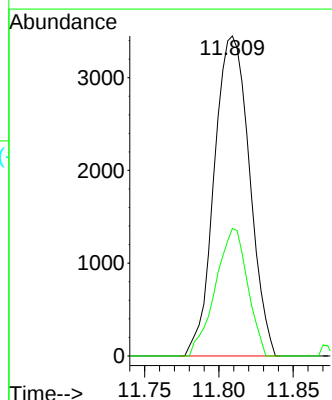
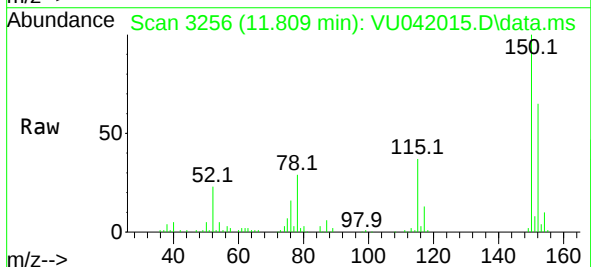
Acq: 14 Jan 2021 05:28

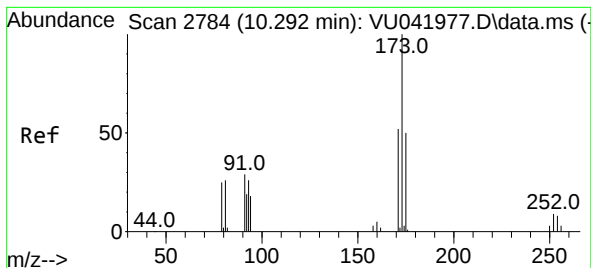
Tgt Ion: 75 Resp: 5688

Ion Ratio Lower Upper

75 100

77 36.3 25.6 38.4

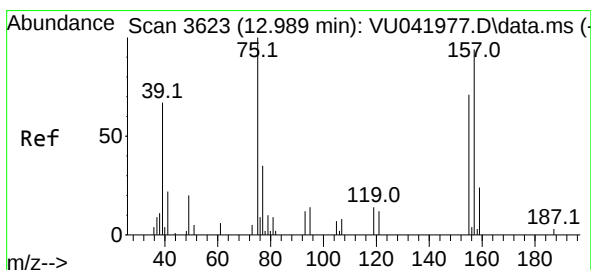
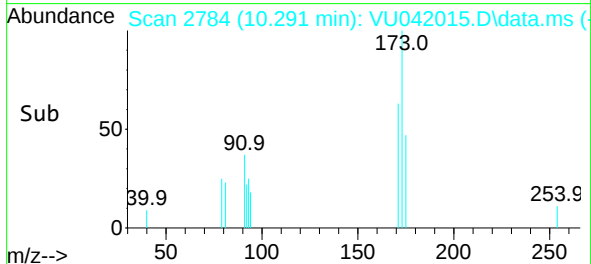
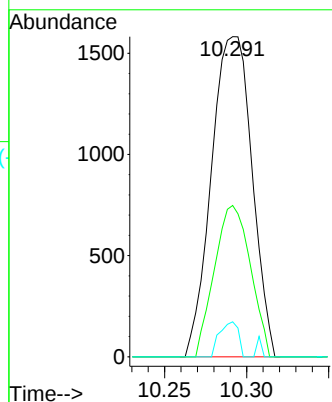
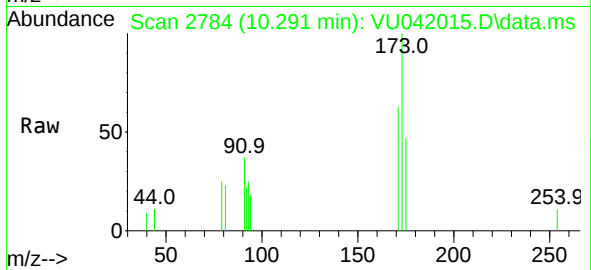




#61
Bromoform
Concen: 0.69 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

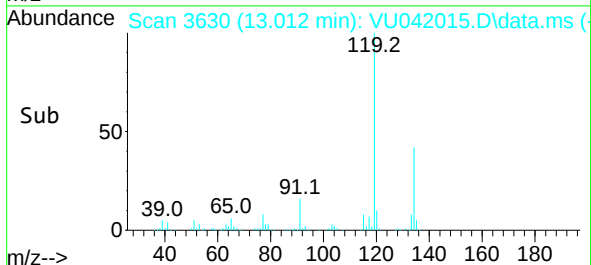
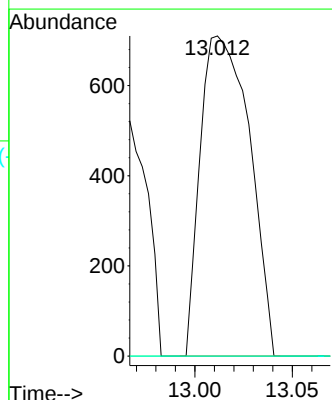
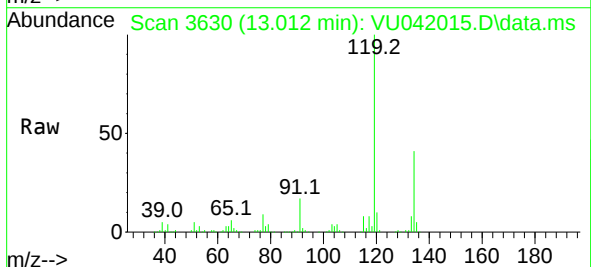
Instrument :
MSVOA_U
ClientSampleId :

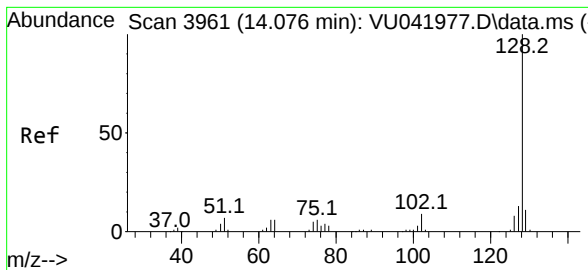
Tgt Ion:173 Resp: 2720
Ion Ratio Lower Upper
173 100
175 41.8 39.1 58.7
254 5.0 7.2 10.8#



#66
1,2-Dibromo-3-chloropropane
Concen: 0.91 ug/L
RT: 13.012 min Scan# 3630
Delta R.T. 0.022 min
Lab File: VU042015.D
Acq: 14 Jan 2021 05:28

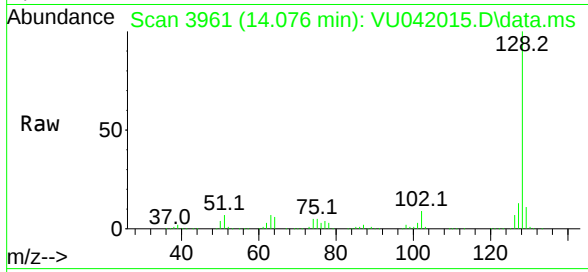
Tgt Ion: 75 Resp: 1250
Ion Ratio Lower Upper
75 100
155 0.0 56.6 84.8#
157 0.0 75.0 112.4#





#69
 Naphthalene
 Concen: 22.51 ug/L
 RT: 14.076 min Scan# 3961
 Delta R.T. -0.000 min
 Lab File: VU042015.D
 Acq: 14 Jan 2021 05:28

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:128 Resp: 327866

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.5	15.7

