

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042010.D
 Acq On : 14 Jan 2021 03:28
 Operator : SY/MD
 Sample : M1065-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:50:44 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	6.263	114	107283	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	97271	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	39294	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	39608	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.919	69	40823	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.578	63	61485	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	4.652	46	156906	57.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.50%
24) Chloroform-d	5.079	84	89301	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.716	65	51174	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.742	84	164046	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.703	67	53679	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.906	98	123263	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloroprop...	8.185	79	18334	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.639	63	109539	51.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.10%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	41374	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.188	152	42330	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	4423	0.45	ug/L	99
3) Chloromethane	1.523	50	14090	1.14	ug/L	99
9) Trichlorofluoromethane	2.144	101	4991	0.31	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	1388	0.16	ug/L #	57
12) 1,1-Dichloroethene	2.588	96	3527	0.42	ug/L #	1
13) Acetone	2.652	43	3617	2.13	ug/L	97
14) Carbon disulfide	2.806	76	2863	0.10	ug/L #	93
17) Methyl tert-butyl Ether	3.382	73	12507	0.57	ug/L	99
18) trans-1,2-Dichloroethene	3.369	96	635	0.07	ug/L	90
19) 1,1-Dichloroethane	3.890	63	10994	0.66	ug/L	93
22) cis-1,2-Dichloroethene	4.684	96	19542	2.19	ug/L	85
25) Chloroform	5.102	83	6664	0.40	ug/L	94
27) 1,2-Dichloroethane	5.816	62	409	0.04	ug/L #	75
31) Carbon tetrachloride	5.536	117	2318	0.19	ug/L	96
33) Benzene	5.784	78	864	0.02	ug/L	100
34) Trichloroethene	6.552	95	273536	30.40	ug/L	98
35) Methylcyclohexane	6.703	83	12000	0.84	ug/L #	16
37) 1,2-Dichloropropane	6.803	63	2022	0.22	ug/L #	90
39) cis-1,3-Dichloropropene	7.574	75	1372	0.10	ug/L	95

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

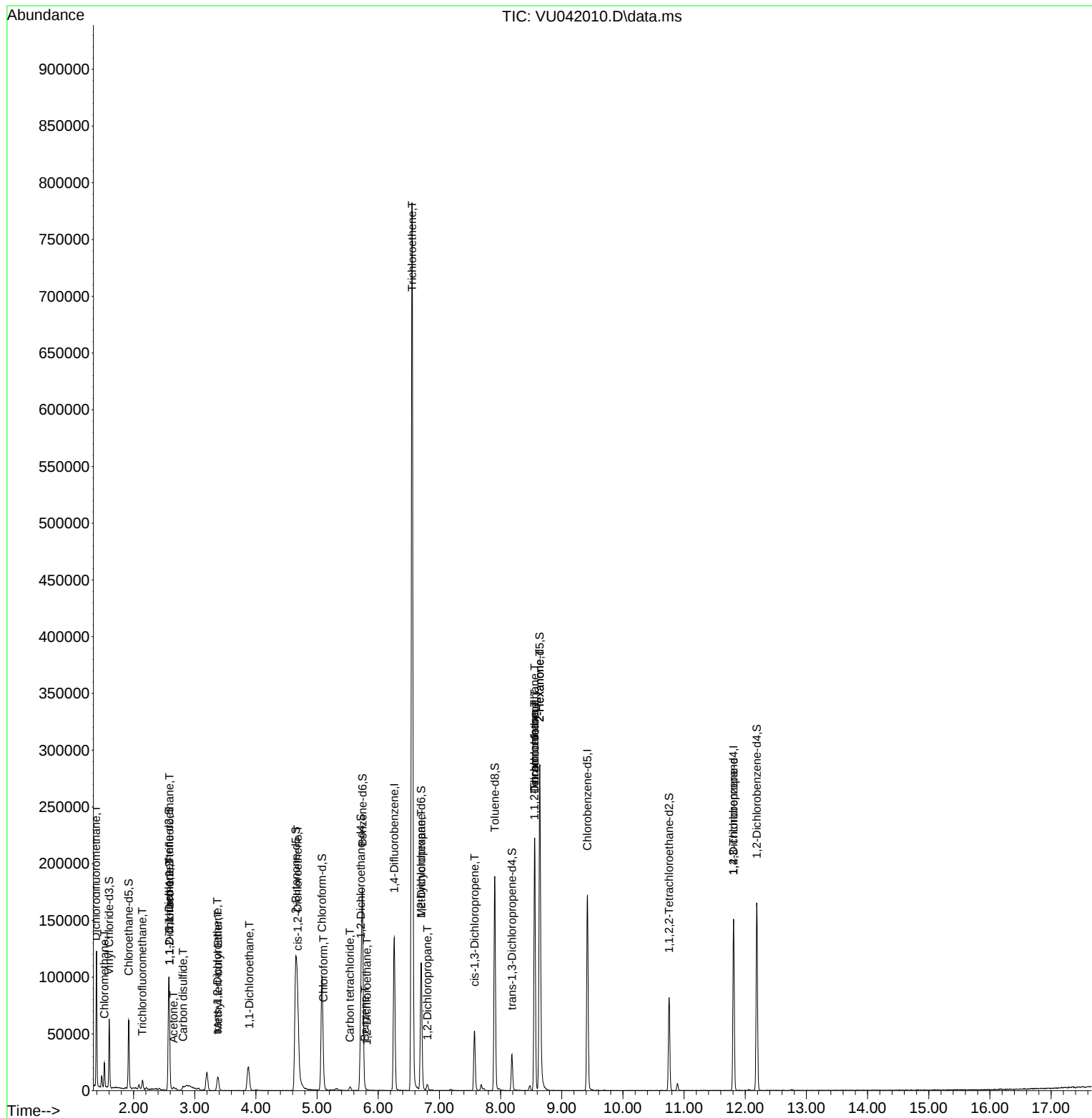
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.552	97	338	0.05	ug/L #	1
47) Tetrachloroethene	8.558	164	47507	8.15	ug/L	92
48) 2-Hexanone	8.639	43	13057	2.99	ug/L #	66
49) Dibromochloromethane	8.558	129	48156	6.69	ug/L #	11
59) 1,2,3-Trichloropropane	11.809	75	4701	0.76	ug/L	99

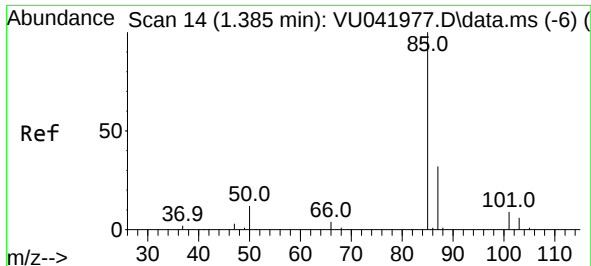
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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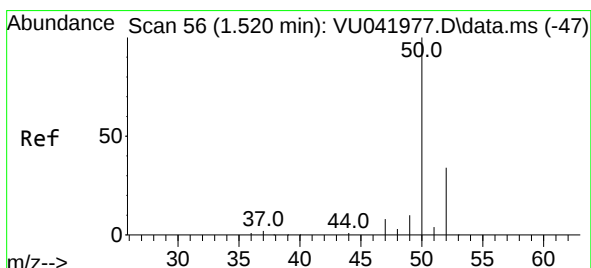
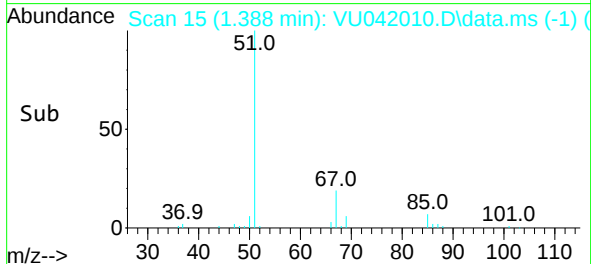
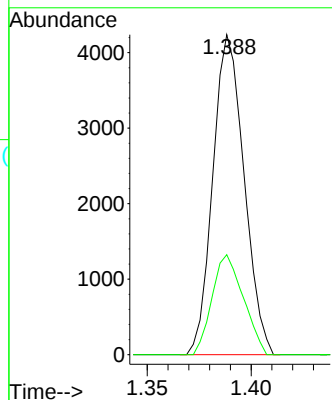
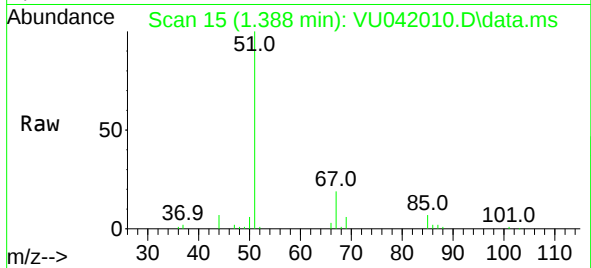




#2
Dichlorodifluoromethane
Concen: 0.45 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

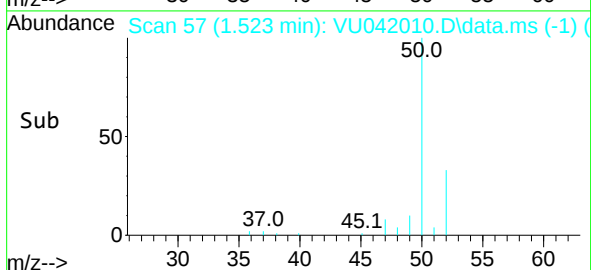
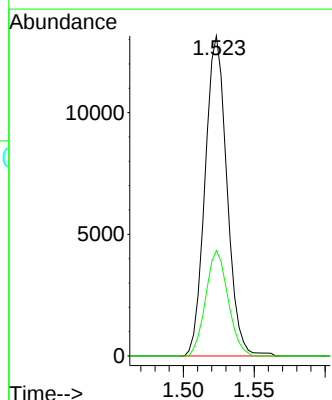
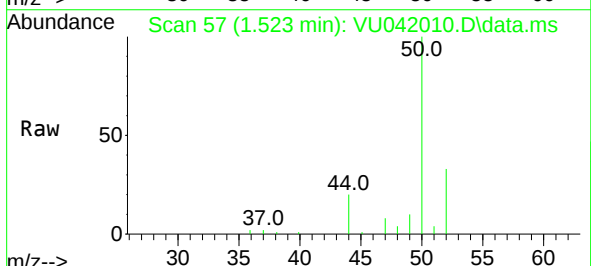
Instrument :
MSVOA_U
ClientSampled :

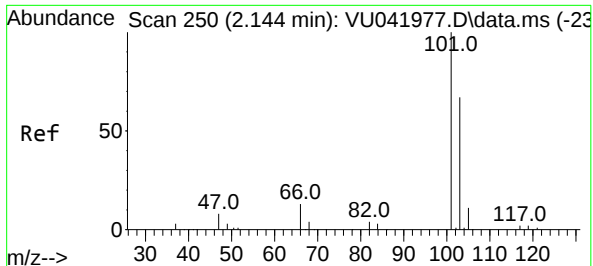
Tgt Ion: 85 Resp: 4423
Ion Ratio Lower Upper
85 100
87 31.3 25.7 38.5



#3
Chloromethane
Concen: 1.14 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

Tgt Ion: 50 Resp: 14090
Ion Ratio Lower Upper
50 100
52 32.9 23.5 43.7

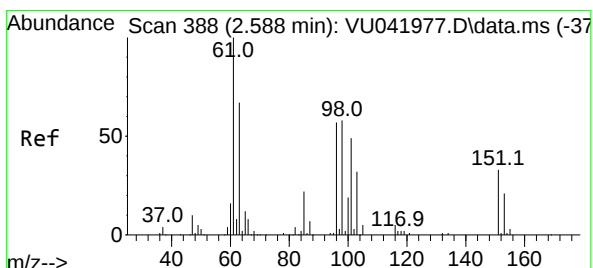
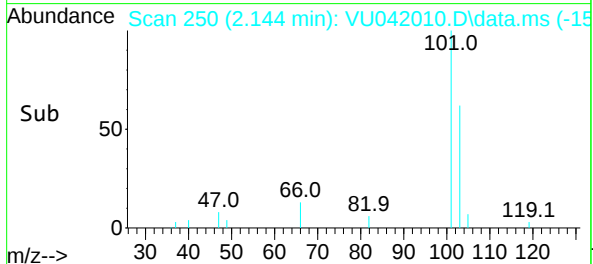
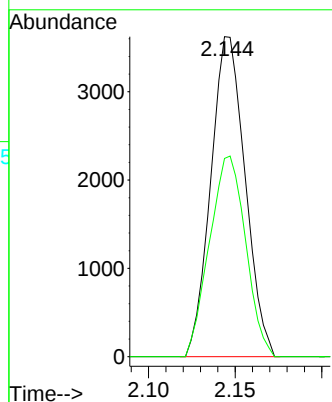
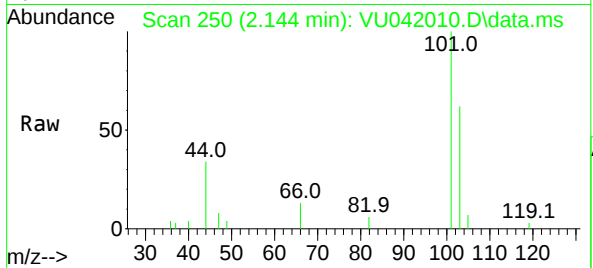




#9
 Trichlorofluoromethane
 Concen: 0.31 ug/L
 RT: 2.144 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: VU042010.D
 Acq: 14 Jan 2021 03:28

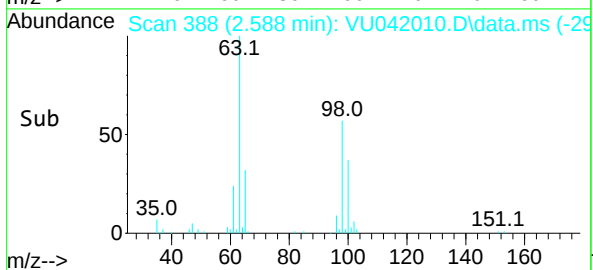
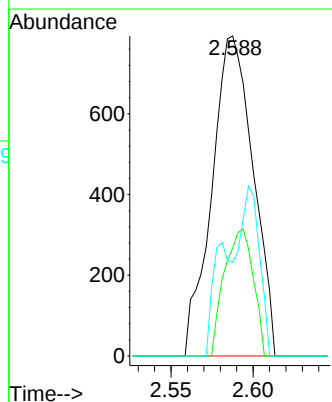
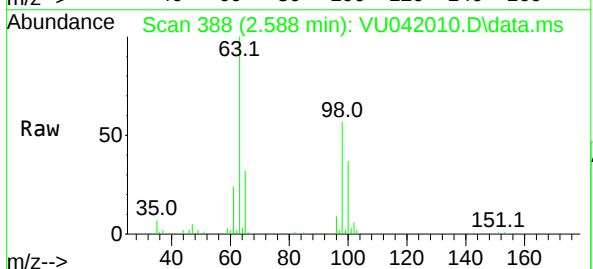
Instrument :
 MSVOA_U
 ClientSampleId :

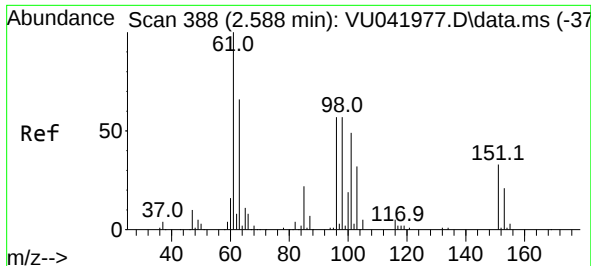
Tgt Ion:101 Resp: 4991
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.16 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU042010.D
 Acq: 14 Jan 2021 03:28

Tgt Ion:101 Resp: 1388
 Ion Ratio Lower Upper
 101 100
 85 27.6 35.9 53.9#
 151 25.4 55.4 83.2#





#12

1,1-Dichloroethene

Concen: 0.42 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

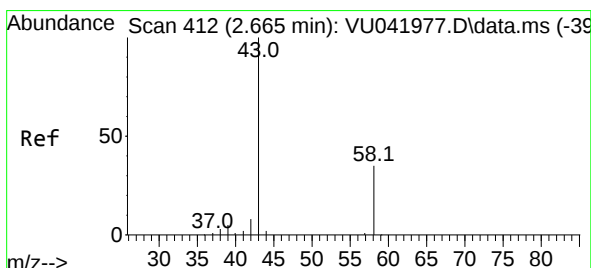
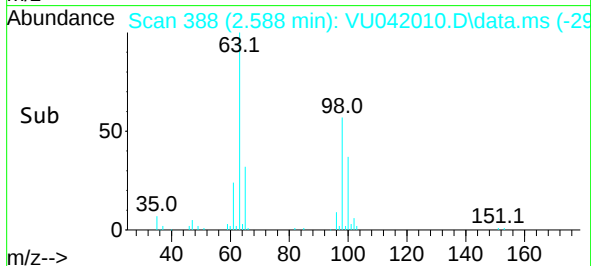
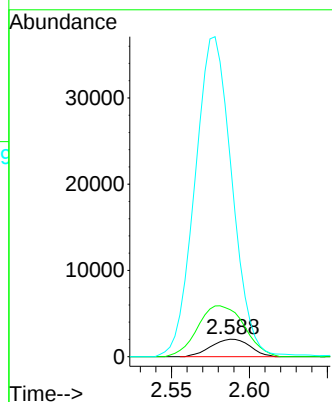
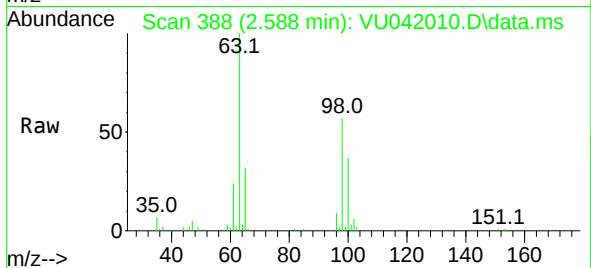
Lab File: VU042010.D

Acq: 14 Jan 2021 03:28

Tgt Ion: 96 Resp: 3527

Ion	Ratio	Lower	Upper
96	100		
61	268.7	122.2	226.9#
63	1135.1	82.8	153.8#

Instrument :
MSVOA_U
ClientSampleId :



#13

Acetone

Concen: 2.13 ug/L

RT: 2.652 min Scan# 408

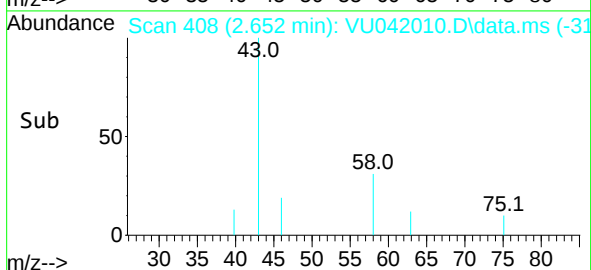
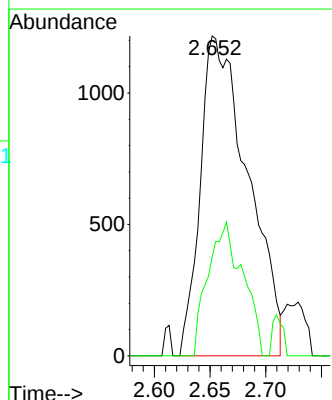
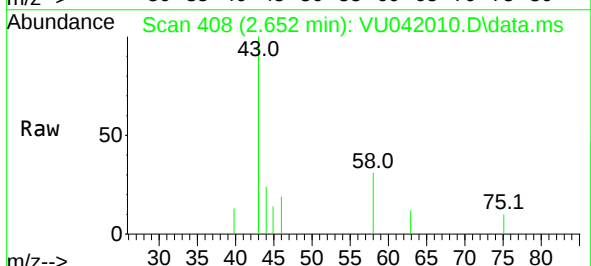
Delta R.T. -0.013 min

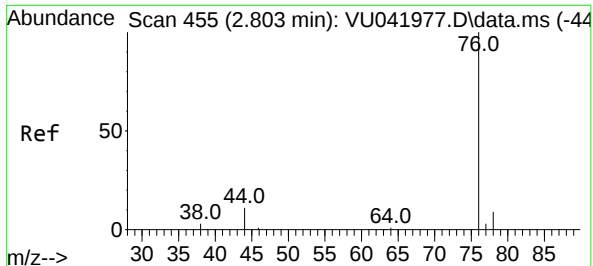
Lab File: VU042010.D

Acq: 14 Jan 2021 03:28

Tgt Ion: 43 Resp: 3617

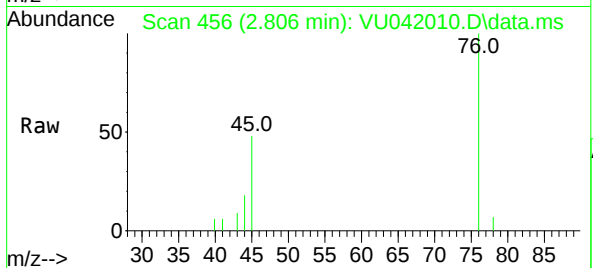
Ion	Ratio	Lower	Upper
43	100		
58	30.5	0.0	57.4



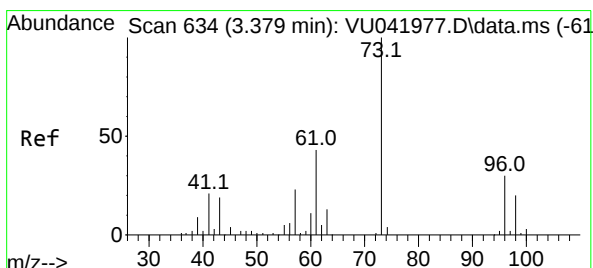
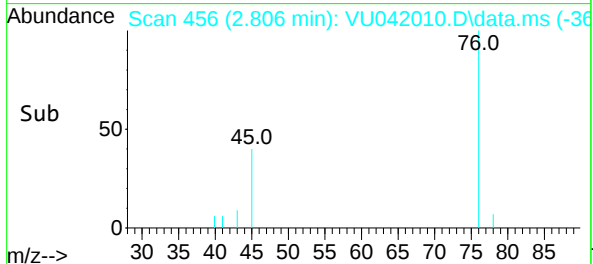
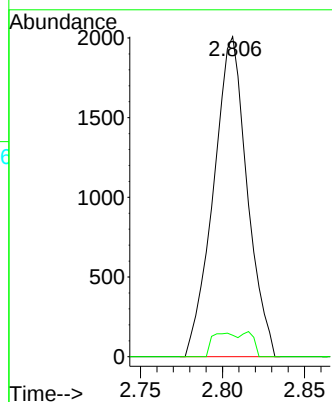


#14
Carbon disulfide
Concen: 0.10 ug/L
RT: 2.806 min Scan# 456
Delta R.T. 0.003 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

Instrument :
MSVOA_U
ClientSampleId :

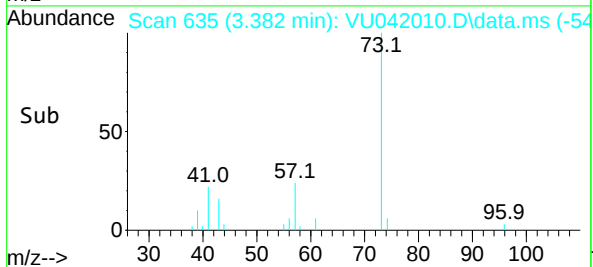
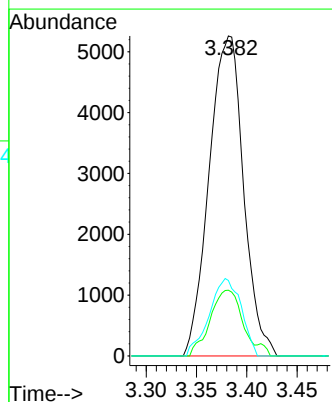
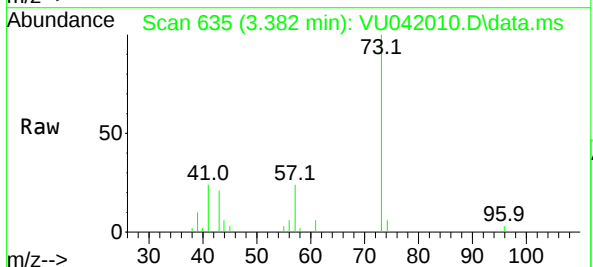


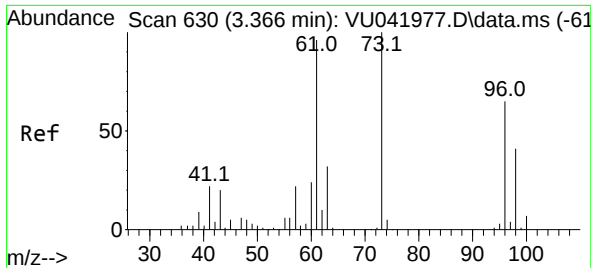
Tgt Ion: 76 Resp: 2863
Ion Ratio Lower Upper
76 100
78 6.7 7.4 11.0#



#17
Methyl tert-butyl Ether
Concen: 0.57 ug/L
RT: 3.382 min Scan# 635
Delta R.T. 0.003 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

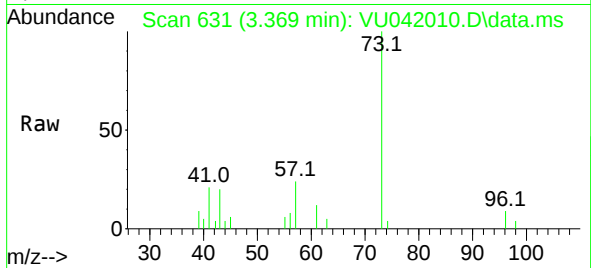
Tgt Ion: 73 Resp: 12507
Ion Ratio Lower Upper
73 100
43 19.8 15.1 22.7
57 22.4 18.0 27.0



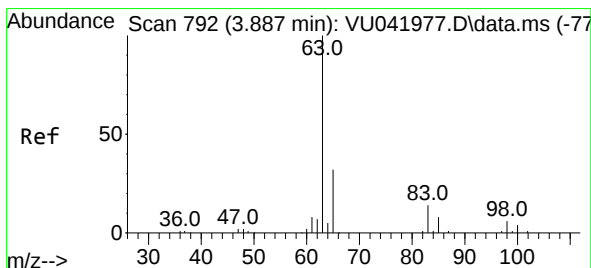
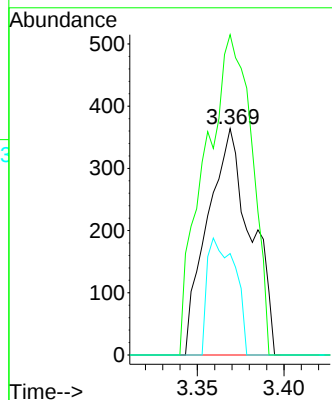
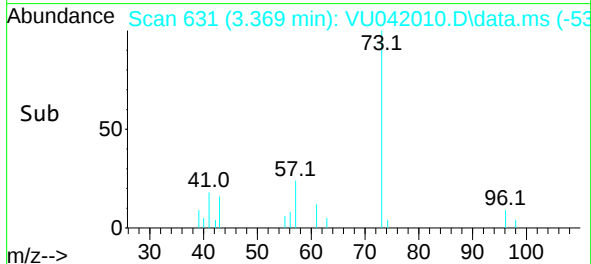


#18
trans-1,2-Dichloroethene
Concen: 0.07 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

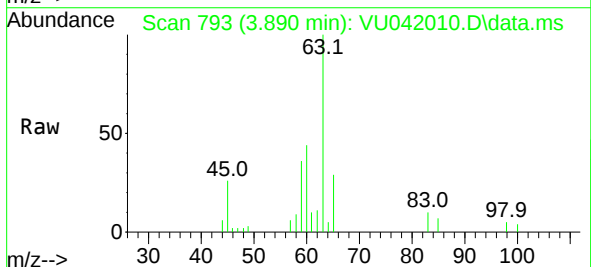
Instrument :
MSVOA_U
ClientSampleId :



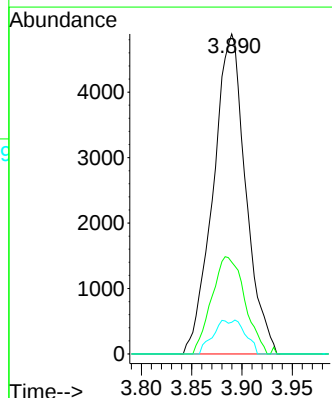
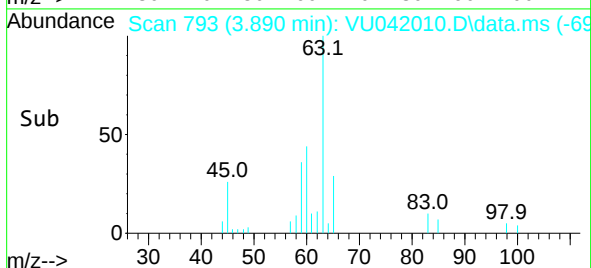
Tgt Ion: 96 Resp: 635
Ion Ratio Lower Upper
96 100
61 141.5 103.2 191.6
98 44.8 43.8 81.3

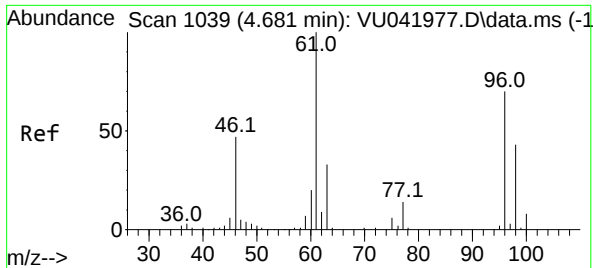


#19
1,1-Dichloroethane
Concen: 0.66 ug/L
RT: 3.890 min Scan# 793
Delta R.T. 0.003 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28



Tgt Ion: 63 Resp: 10994
Ion Ratio Lower Upper
63 100
65 28.7 22.7 42.1
83 9.9 9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 2.19 ug/L

RT: 4.684 min Scan# 1040

Delta R.T. 0.003 min

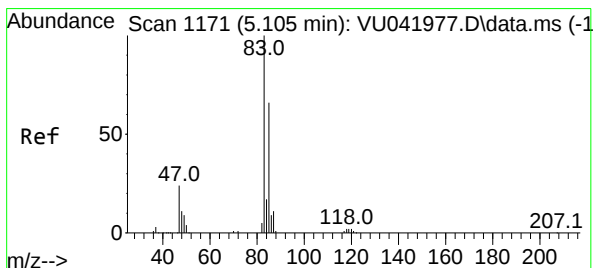
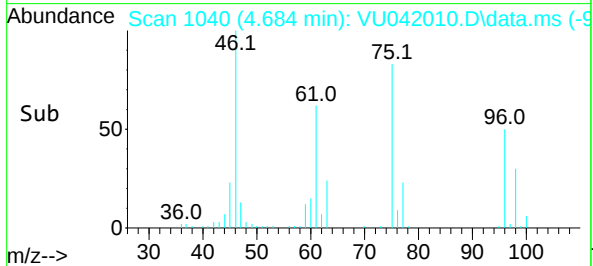
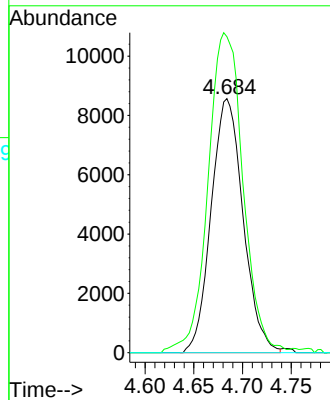
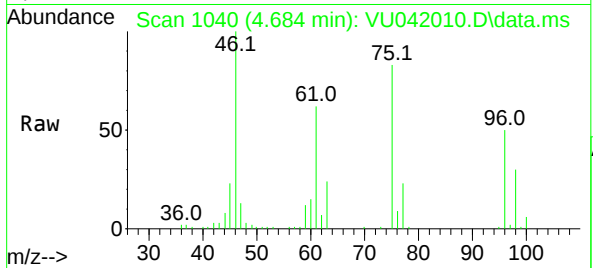
Lab File: VU042010.D

Acq: 14 Jan 2021 03:28

Tgt Ion: 96 Resp: 19542

Ion	Ratio	Lower	Upper
96	100		
61	124.4	100.3	186.3
68	0.0	0.0	0.0

Instrument :
MSVOA_U
ClientSampleId :



#25

Chloroform

Concen: 0.40 ug/L

RT: 5.102 min Scan# 1170

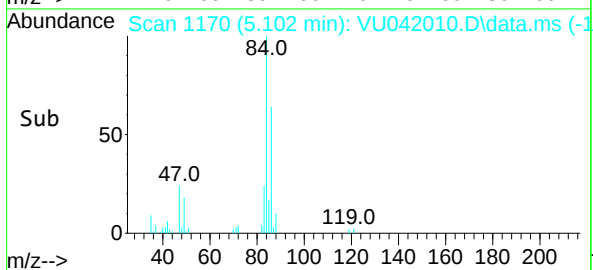
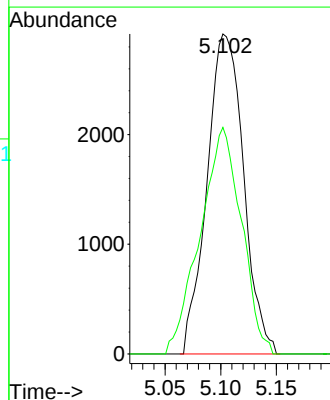
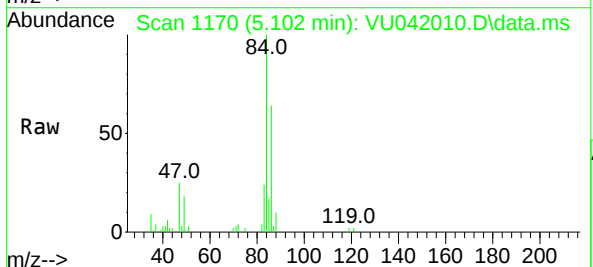
Delta R.T. -0.003 min

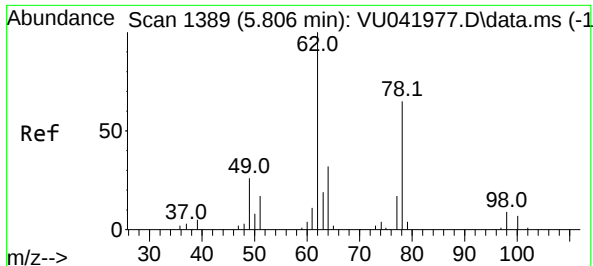
Lab File: VU042010.D

Acq: 14 Jan 2021 03:28

Tgt Ion: 83 Resp: 6664

Ion	Ratio	Lower	Upper
83	100		
85	70.8	46.1	85.7

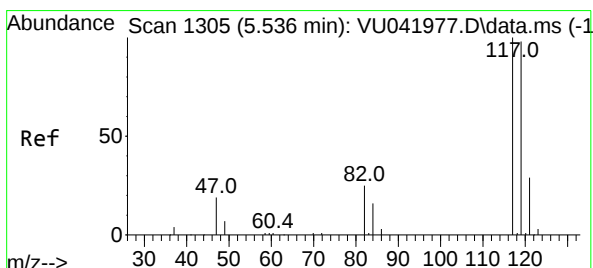
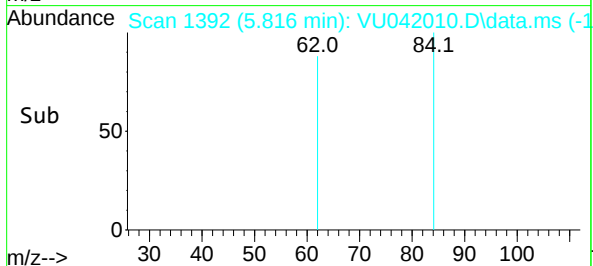
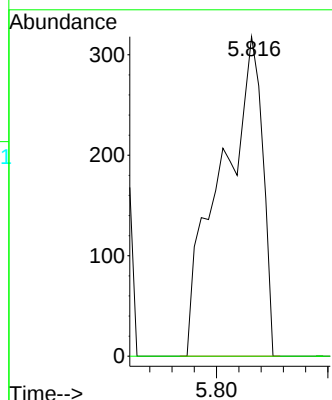
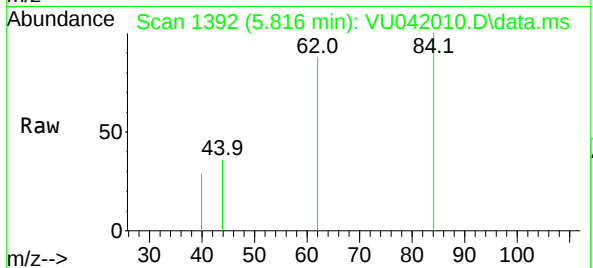




#27
1,2-Dichloroethane
Concen: 0.04 ug/L
RT: 5.816 min Scan# 1392
Delta R.T. 0.010 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

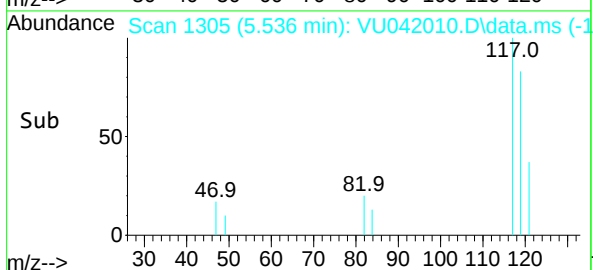
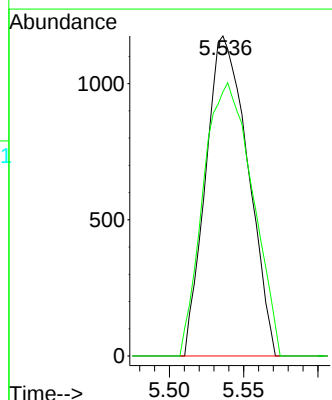
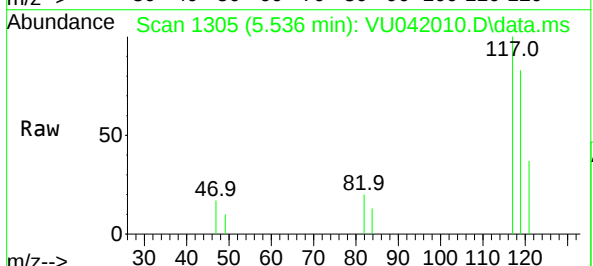
Instrument :
MSVOA_U
ClientSampled :

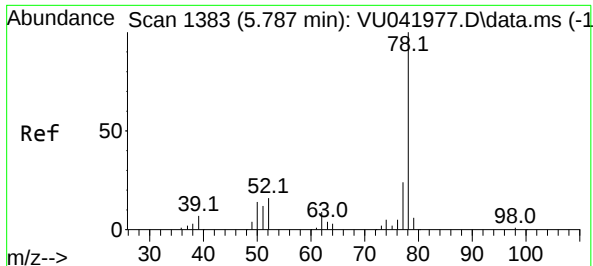
Tgt Ion: 62 Resp: 409
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#



#31
Carbon tetrachloride
Concen: 0.19 ug/L
RT: 5.536 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

Tgt Ion: 117 Resp: 2318
Ion Ratio Lower Upper
117 100
119 99.4 76.6 114.8

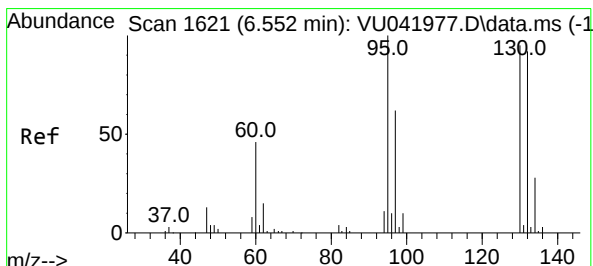
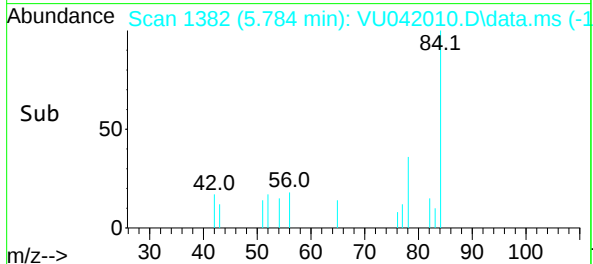
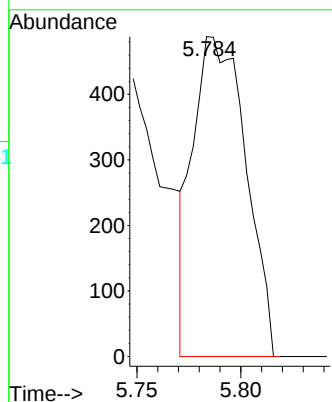
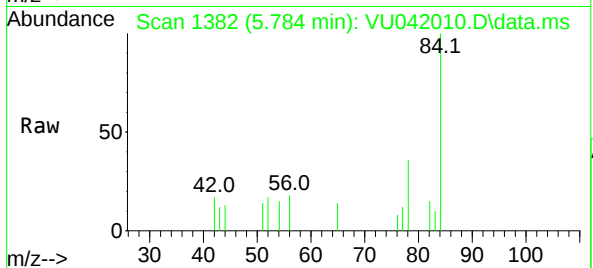




#33
Benzene
Concen: 0.02 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.003 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

Instrument :
MSVOA_U
ClientSampleId :

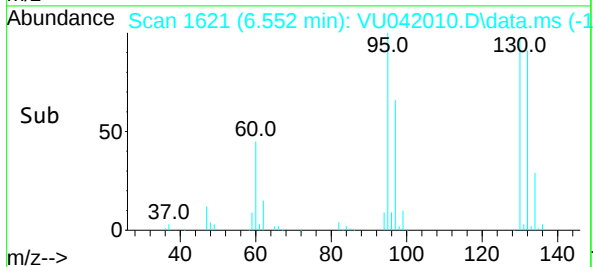
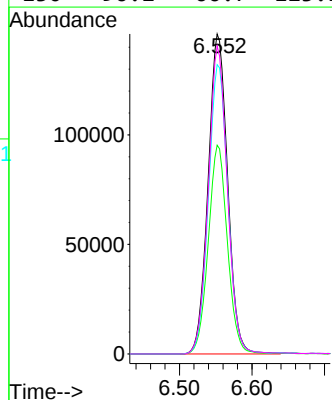
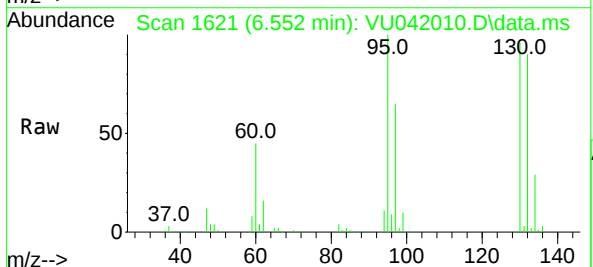
Tgt Ion: 78 Resp: 864

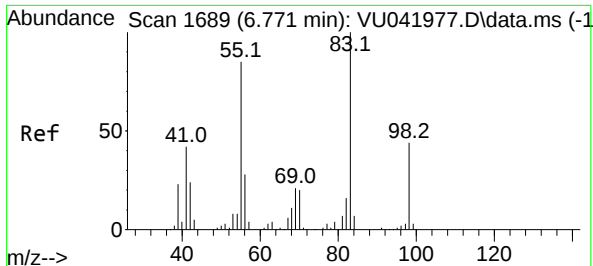


#34
Trichloroethene
Concen: 30.40 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

Tgt Ion: 95 Resp: 273536

Ion	Ratio	Lower	Upper
95	100		
97	65.3	43.6	81.0
132	90.4	64.3	119.3
130	96.2	66.7	123.9

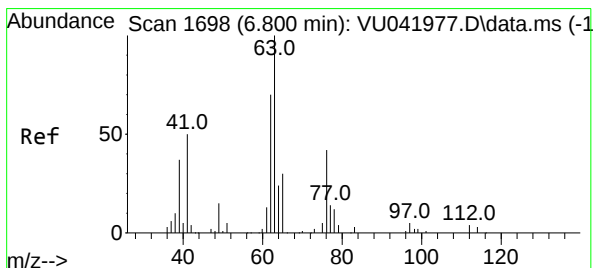
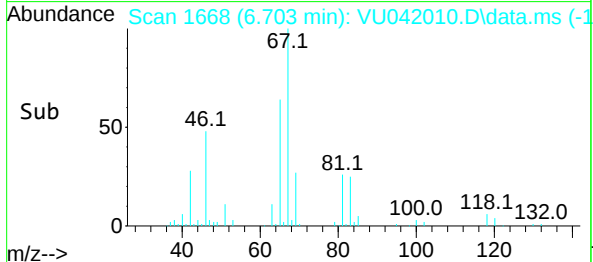
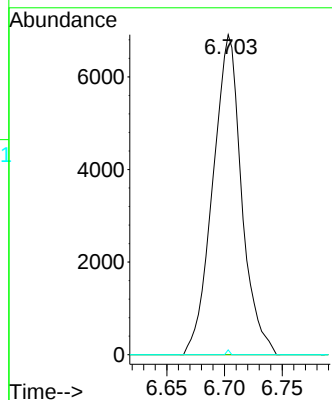
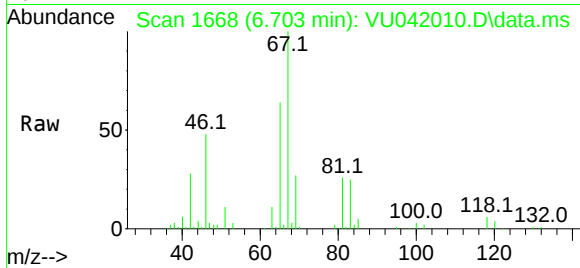




#35
Methylcyclohexane
Concen: 0.84 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.068 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

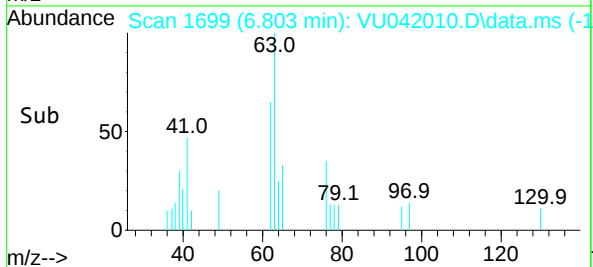
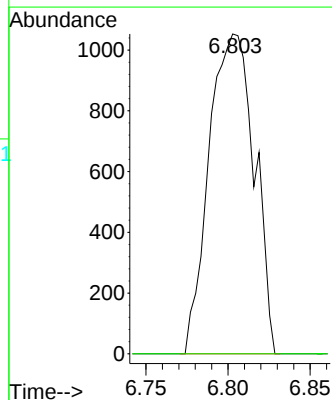
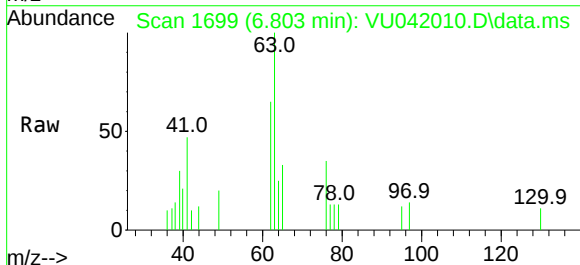
Instrument :
MSVOA_U
ClientSampleId :

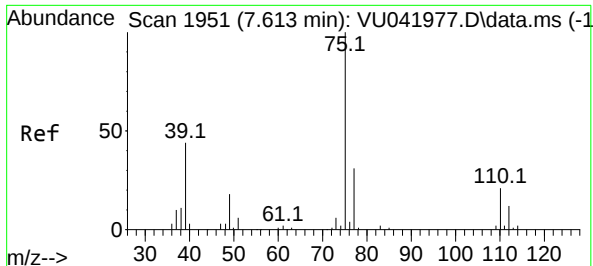
Tgt Ion: 83 Resp: 12000
Ion Ratio Lower Upper
83 100
55 0.0 66.8 100.2#
98 0.0 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.22 ug/L
RT: 6.803 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

Tgt Ion: 63 Resp: 2022
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



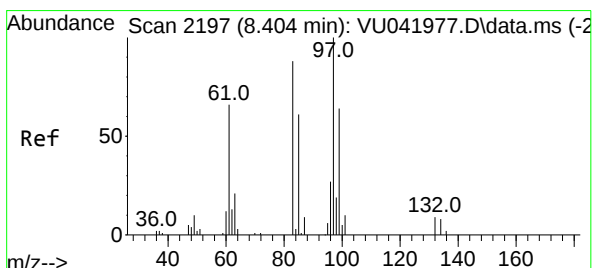
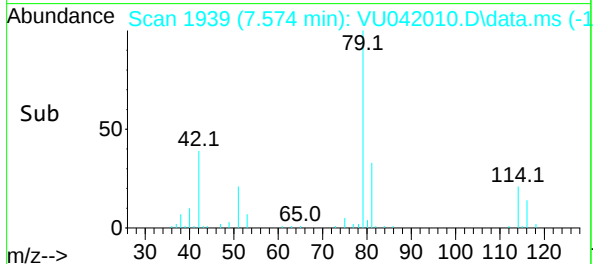
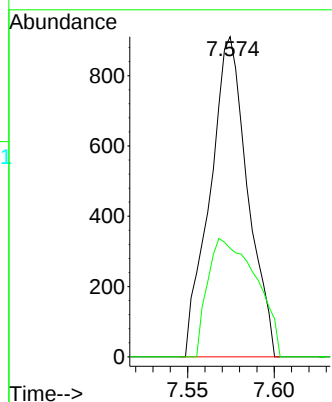
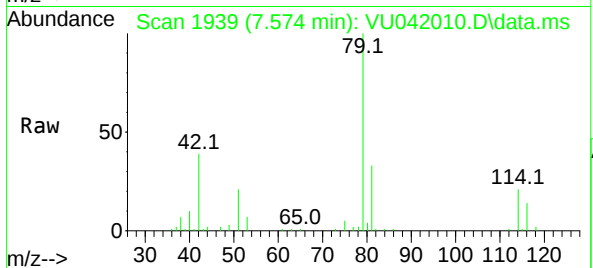


#39

cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

Instrument :
MSVOA_U
ClientSampleId :

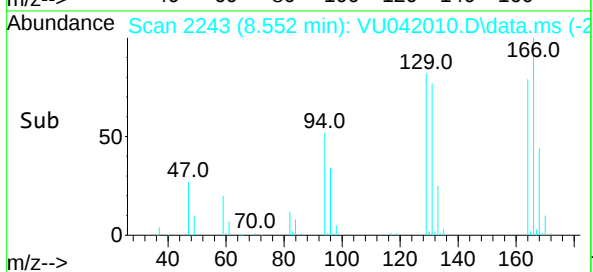
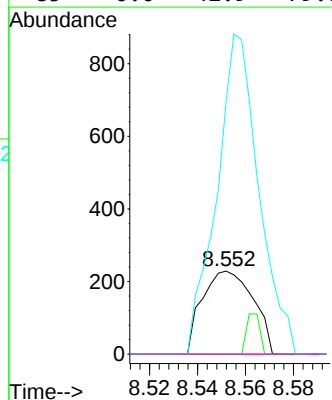
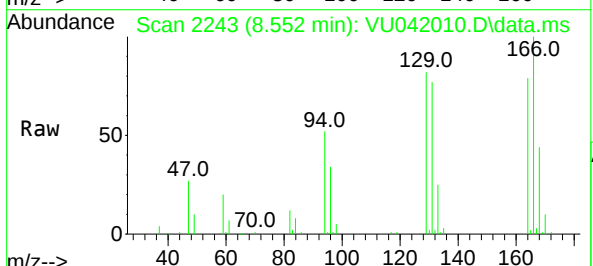
Tgt Ion: 75 Resp: 1372
Ion Ratio Lower Upper
75 100
77 33.9 21.9 40.7

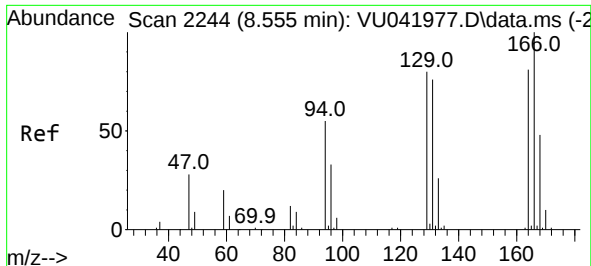


#45

1,1,2-Trichloroethane
Concen: 0.05 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.148 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

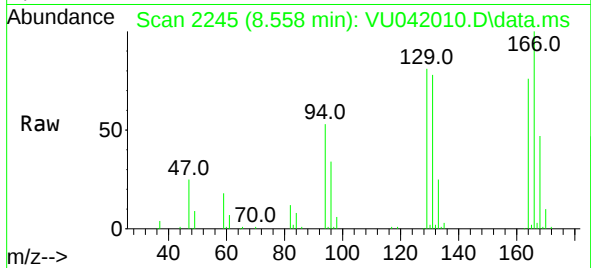
Tgt Ion: 97 Resp: 338
Ion Ratio Lower Upper
97 100
99 0.0 44.7 83.1#
83 304.4 61.6 114.4#
85 0.0 42.9 79.7#



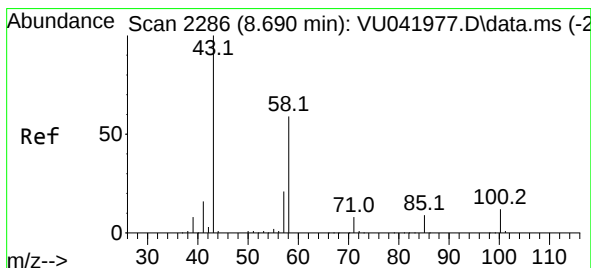
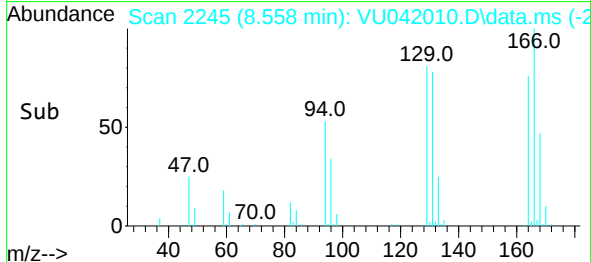
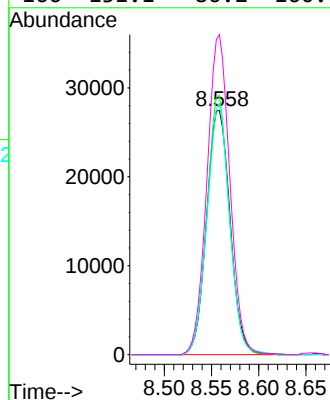


#47
Tetrachloroethene
Concen: 8.15 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28

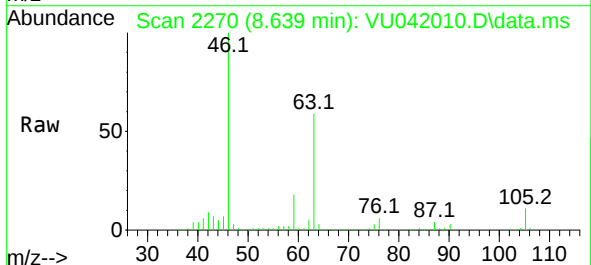
Instrument :
MSVOA_U
ClientSampleId :



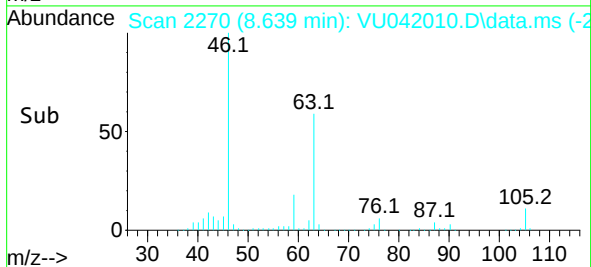
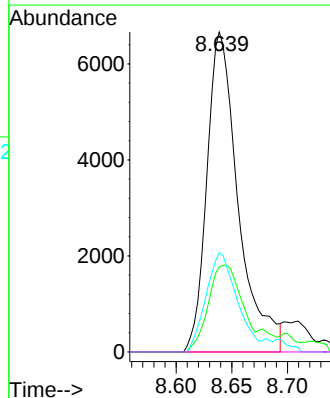
Tgt Ion:	164	Resp:	47507
Ion	Ratio	Lower	Upper
164	100		
129	106.1	68.7	127.5
131	102.8	65.2	121.0
166	131.1	86.2	160.0

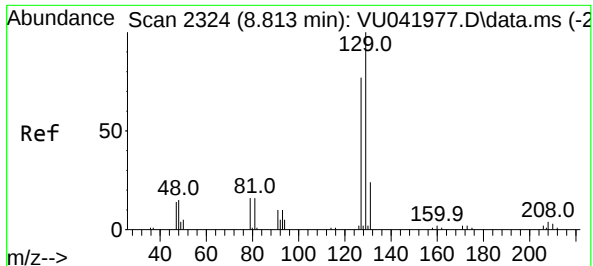


#48
2-Hexanone
Concen: 2.99 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.052 min
Lab File: VU042010.D
Acq: 14 Jan 2021 03:28



Tgt Ion:	43	Resp:	13057
Ion	Ratio	Lower	Upper
43	100		
58	29.6	47.8	71.8#
57	31.0	17.4	26.0#
100	0.0	9.5	14.3#





#49

Dibromochloromethane

Concen: 6.69 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.254 min

Lab File: VU042010.D

Acq: 14 Jan 2021 03:28

Tgt Ion:129 Resp: 48156

Ion Ratio Lower Upper

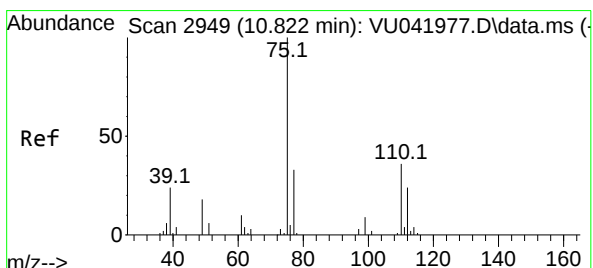
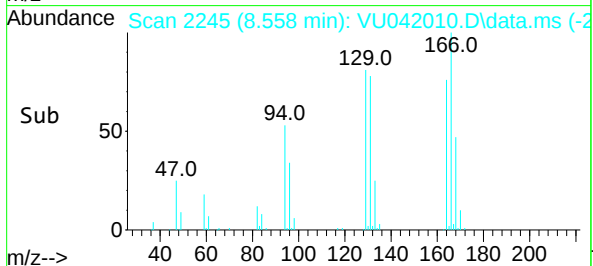
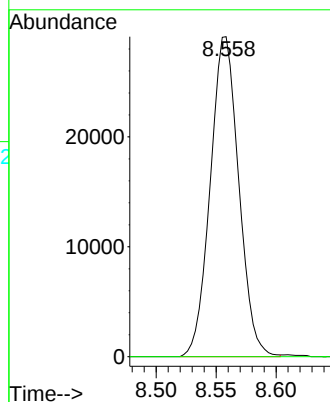
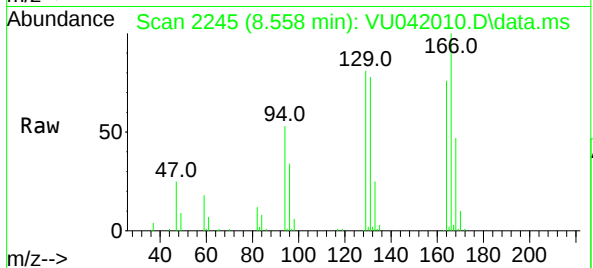
129 100

127 0.0 53.7 99.7#

Instrument :

MSVOA_U

ClientSampled :



#59

1,2,3-Trichloropropane

Concen: 0.76 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU042010.D

Acq: 14 Jan 2021 03:28

Tgt Ion: 75 Resp: 4701

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

