

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091820\
 Data File : VU040201.D
 Acq On : 18 Sep 2020 11:24
 Operator : SY/MD
 Sample : L4041-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB1

Quant Time: Sep 18 23:21:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 18 23:20:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	98628	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	100436	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44186	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29100	5.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.00%
7) Chloroethane-d5	1.92	69	24420	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.58	63	46896	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.65	46	135009	62.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.36%
24) Chloroform-d	5.08	84	66832	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.72	65	44982	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.80%
32) Benzene-d6	5.74	84	124888	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.70	67	42307	5.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.40%
41) Toluene-d8	7.91	98	98147	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.19	79	17049	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.64	63	96329	57.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	41073	6.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.00%#
64) 1,2-Dichlorobenzene-d4	12.19	152	41667	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

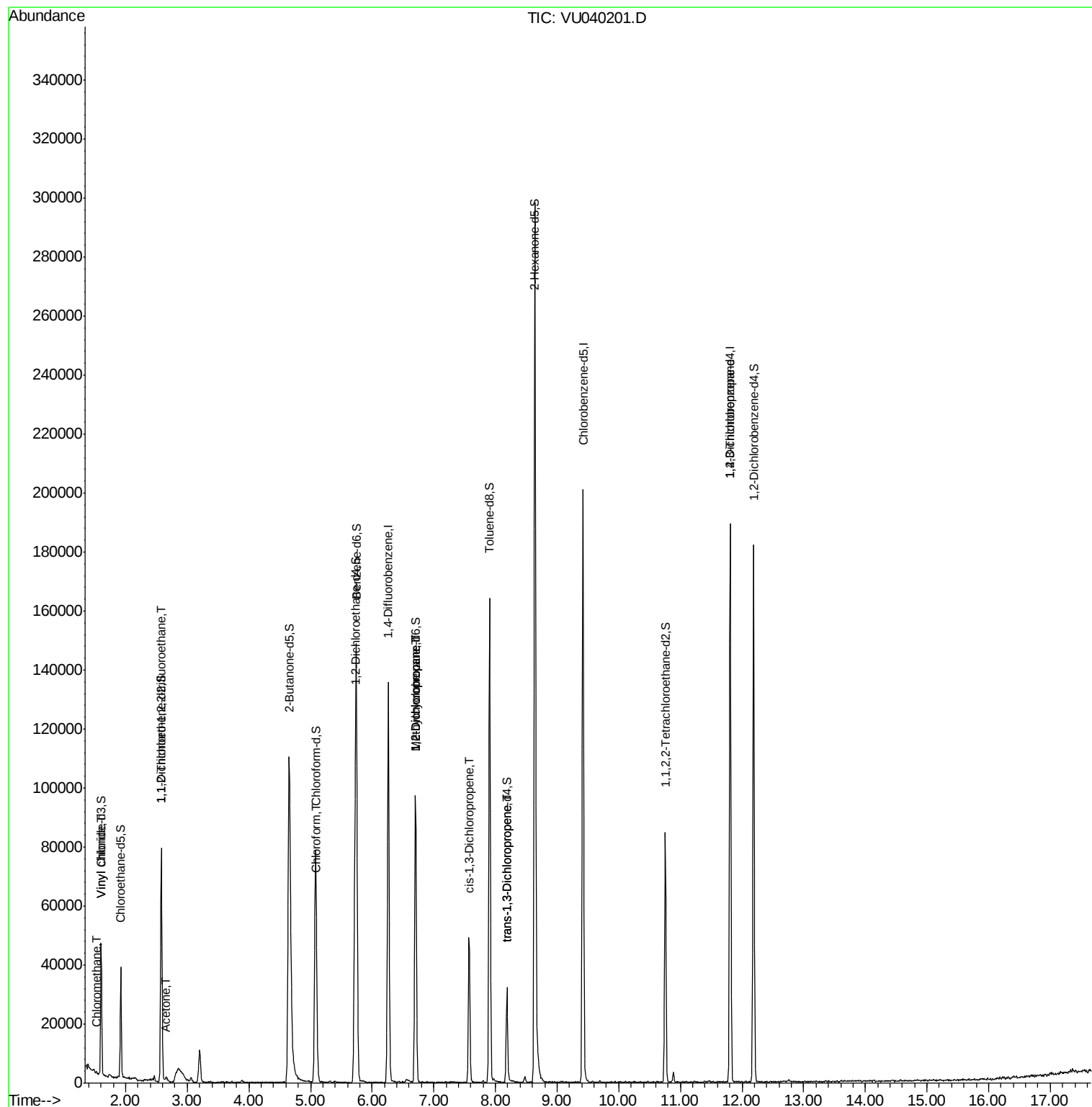
					Ovalue
3) Chloromethane	1.52	50	483	0.052 ug/L	90
5) Vinyl chloride	1.61	62	444	0.047 ug/L #	14
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	391	0.044 ug/L #	22
13) Acetone	2.65	43	2002	1.004 ug/L	76
25) Chloroform	5.11	83	5119	0.296 ug/L	96
35) Methylcyclohexane	6.71	83	10292	0.697 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5048	0.519 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1447	0.101 ug/L	90
44) trans-1,3-Dichloropropene	8.19	75	1023	0.077 ug/L #	59
59) 1,2,3-Trichloropropane	11.81	75	6538	0.907 ug/L #	86

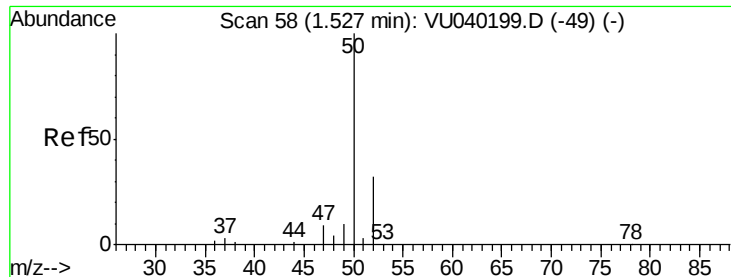
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.052 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040201.D

Acq: 18 Sep 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

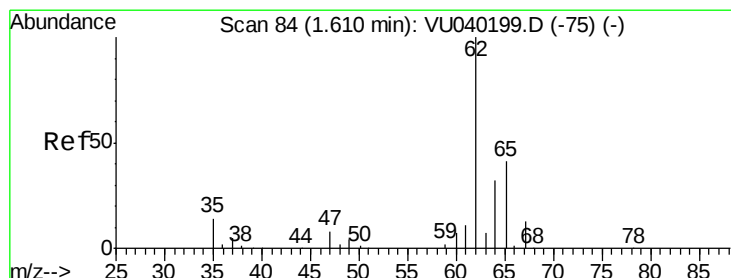
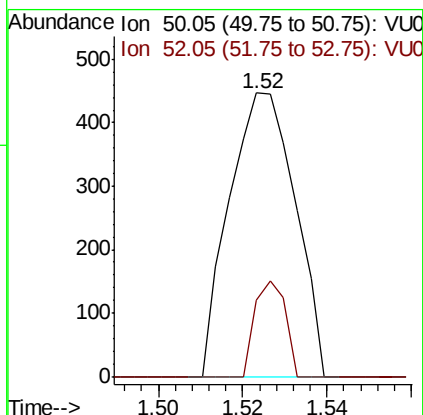
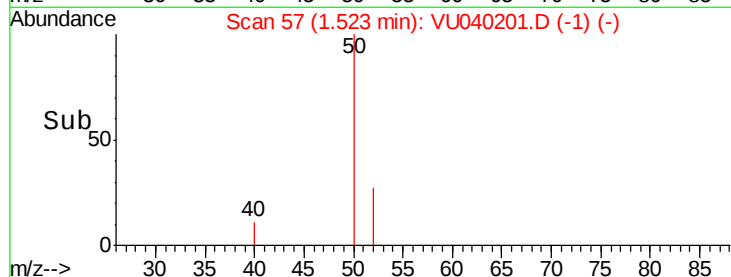
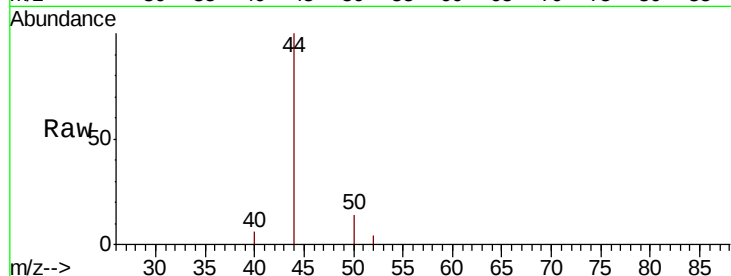
C0AB1

Tot Ion: 50 Resp: 483

Ion Ratio Lower Upper

50 100

52 27.1 22.8 42.4



#5

Vinyl chloride

Concen: 0.047 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040201.D

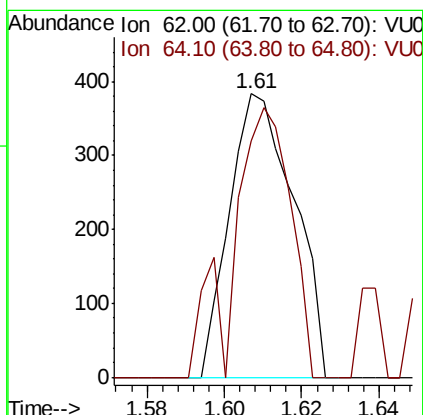
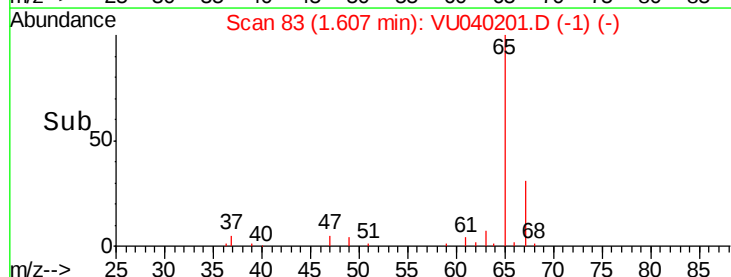
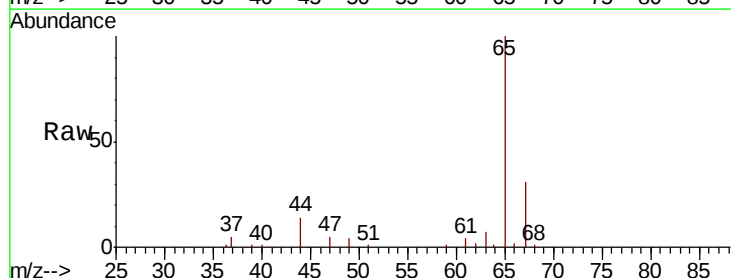
Acq: 18 Sep 2020 11:24

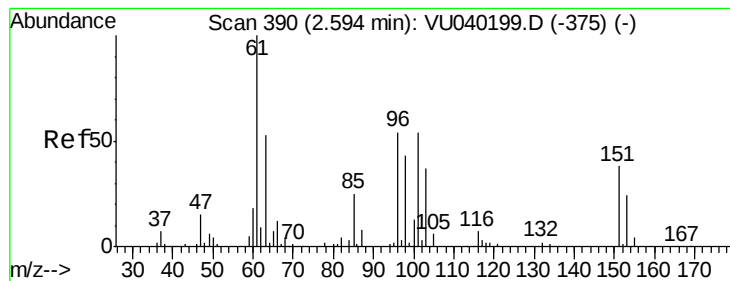
Tgt Ion: 62 Resp: 444

Ion Ratio Lower Upper

62 100

64 83.3 23.9 44.3#





#10

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

Concen: 0.044 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040201.D

Acq: 18 Sep 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

C0AB1

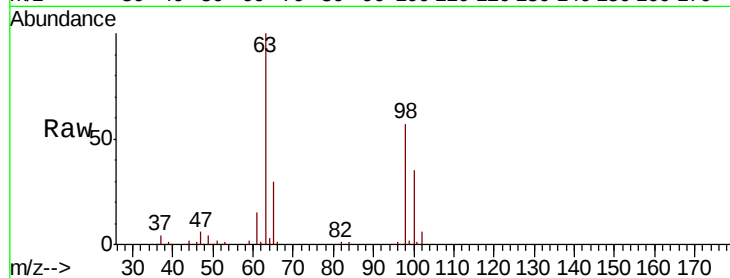
Tot Ion:101 Resp: 391

Ion Ratio Lower Upper

101 100

85 0.0 37.7 56.5#

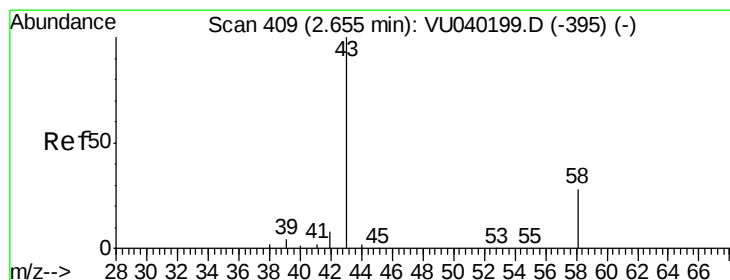
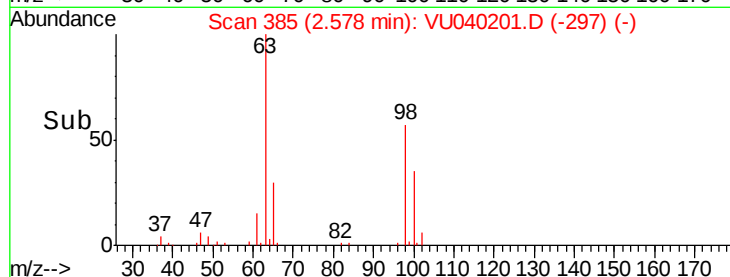
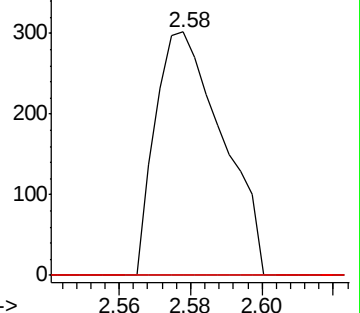
151 0.0 53.9 80.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.004 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU040201.D

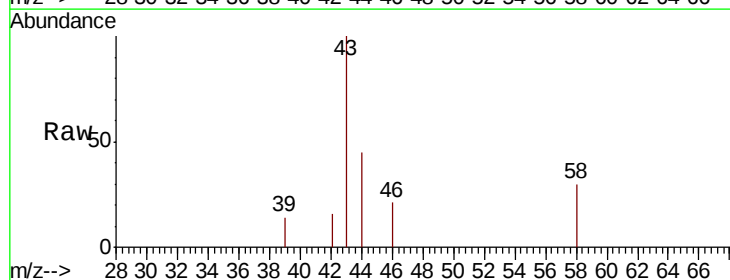
Acq: 18 Sep 2020 11:24

Tgt Ion: 43 Resp: 2002

Ion Ratio Lower Upper

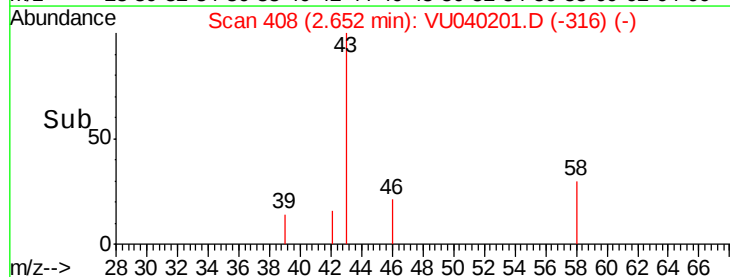
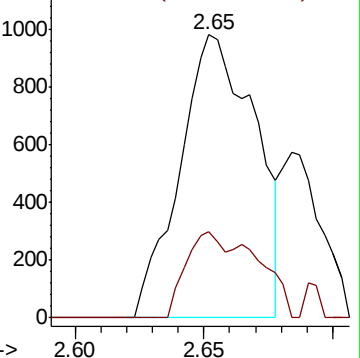
43 100

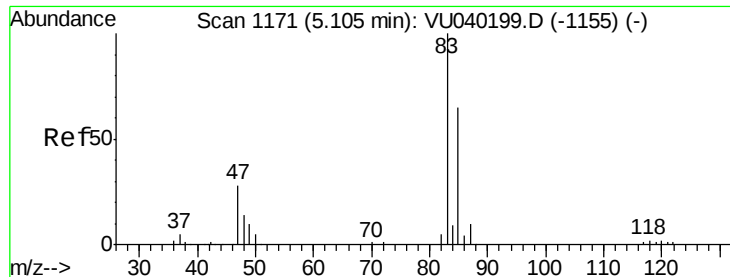
58 15.3 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

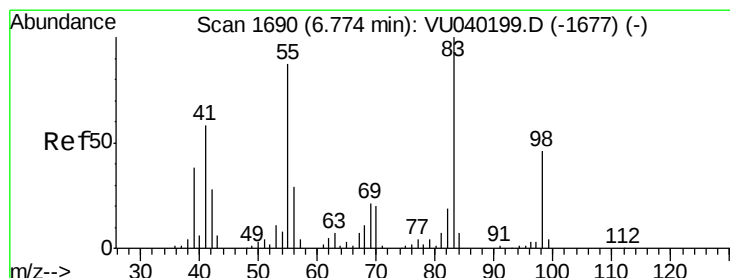
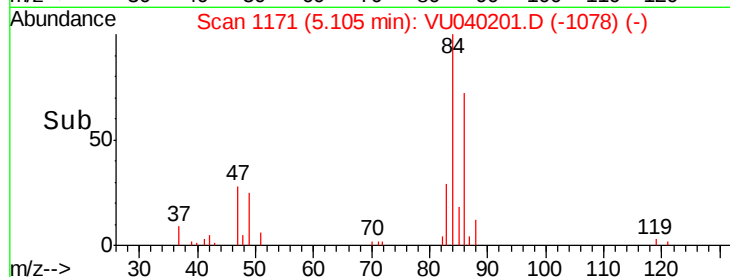
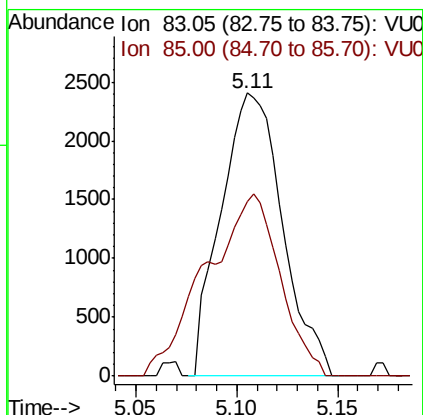
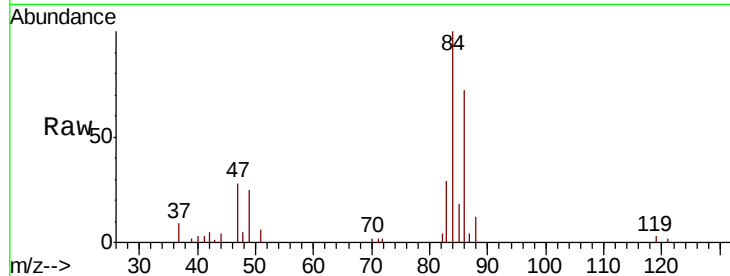




#25
Chloroform
Concen: 0.296 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040201.D
Acq: 18 Sep 2020 11:24

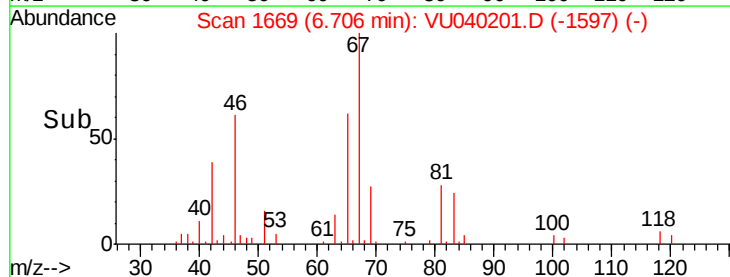
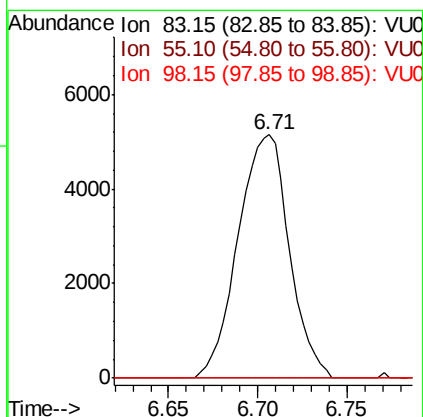
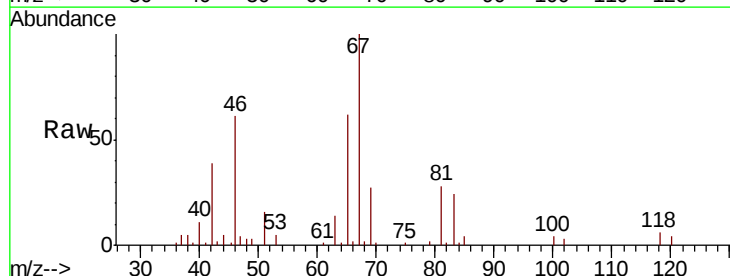
Instrument :
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ClientSampleId :
C0AB1

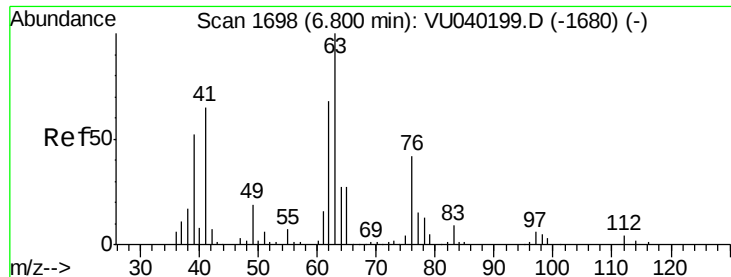
Tot Ion: 83 Resp: 5119
Ion Ratio Lower Upper
83 100
85 61.5 45.3 84.1



#35
Methylcyclohexane
Concen: 0.697 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040201.D
Acq: 18 Sep 2020 11:24

Tgt Ion: 83 Resp: 10292
Ion Ratio Lower Upper
83 100
55 0.0 70.5 105.7#
98 0.0 37.8 56.6#

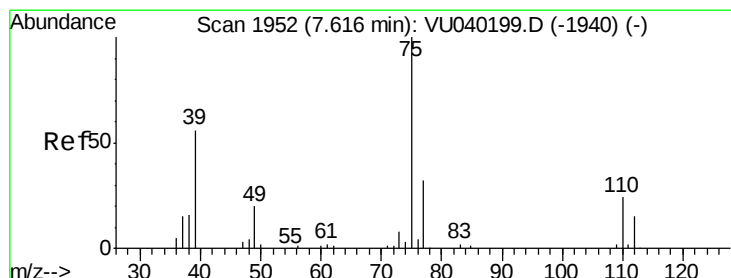
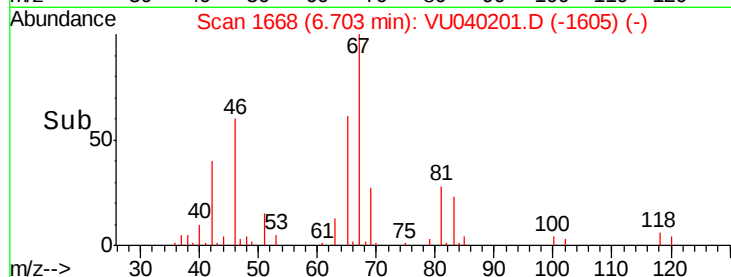
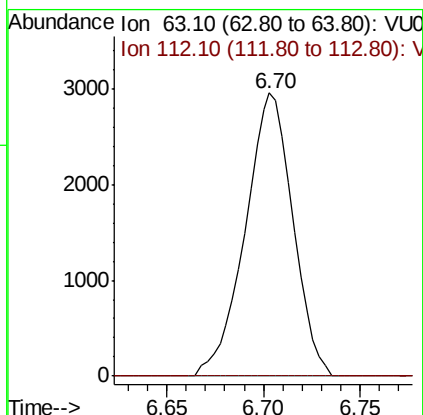
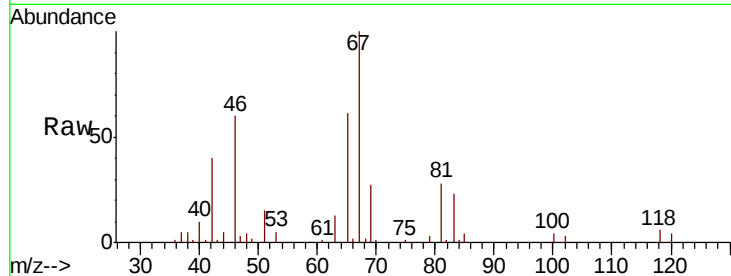




#37
 1,2-Dichloropropane
 Concen: 0.519 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040201.D
 Acq: 18 Sep 2020 11:24

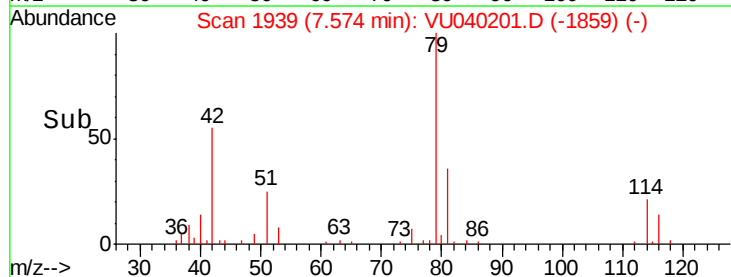
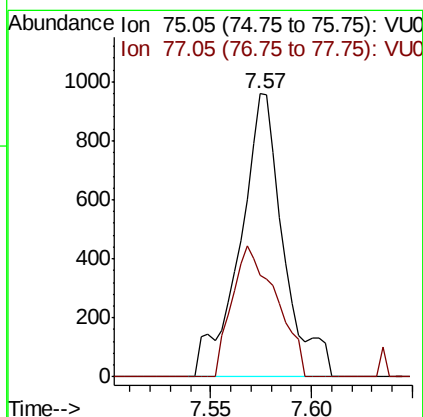
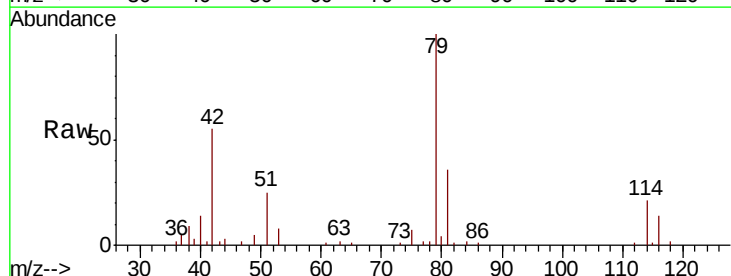
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB1

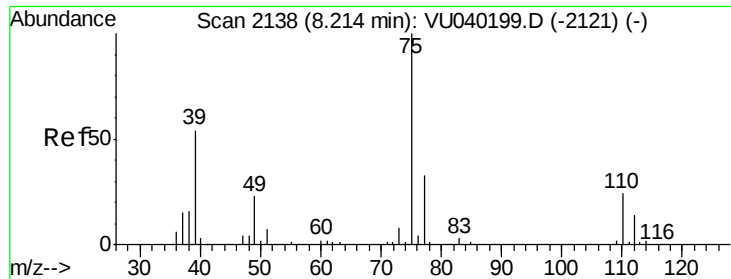
Tot Ion: 63 Resp: 5048
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040201.D
 Acq: 18 Sep 2020 11:24

Tgt Ion: 75 Resp: 1447
 Ion Ratio Lower Upper
 75 100
 77 35.9 21.1 39.3





#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040201.D

Acq: 18 Sep 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

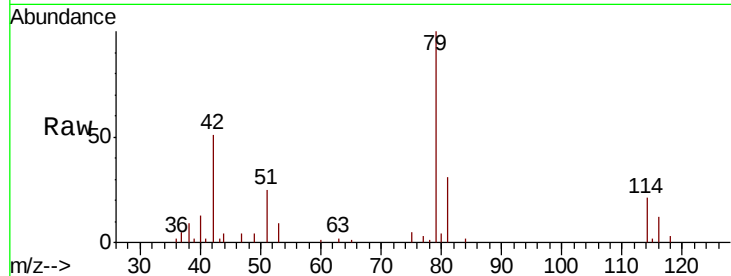
C0AB1

Tot Ion: 75 Resp: 1023

Ion Ratio Lower Upper

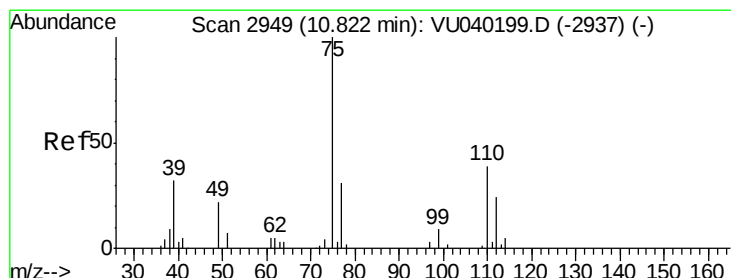
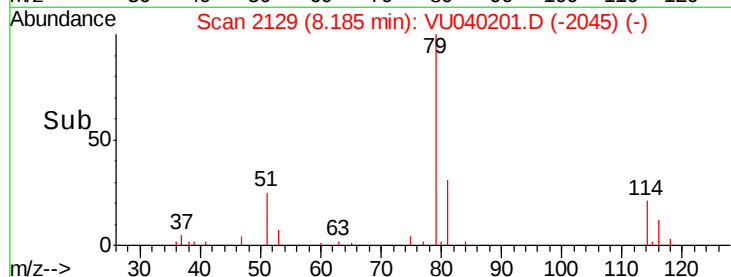
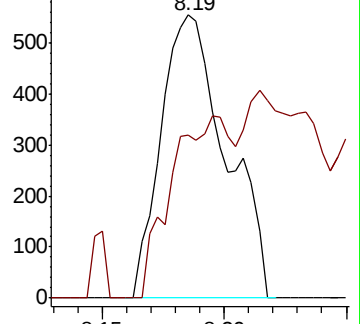
75 100

77 57.5 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.907 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040201.D

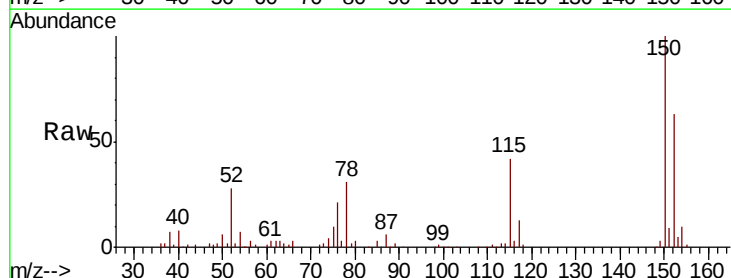
Acq: 18 Sep 2020 11:24

Tgt Ion: 75 Resp: 6538

Ion Ratio Lower Upper

75 100

77 38.8 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

