

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121220\
 Data File : VU041596.D
 Acq On : 13 Dec 2020 03:08
 Operator : SY/MD
 Sample : L5060-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B18

Quant Time: Dec 13 11:31:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Dec 13 11:26:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132526	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126878	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33622	3.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.00%
7) Chloroethane-d5	1.92	69	32029	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	2.58	63	55729	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	4.65	46	157422	52.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.78%
24) Chloroform-d	5.08	84	81073	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.72	65	46334	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.74	84	159434	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.70	67	51225	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.91	98	135281	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.19	79	20129	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.64	63	120618	43.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50236	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	57063	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

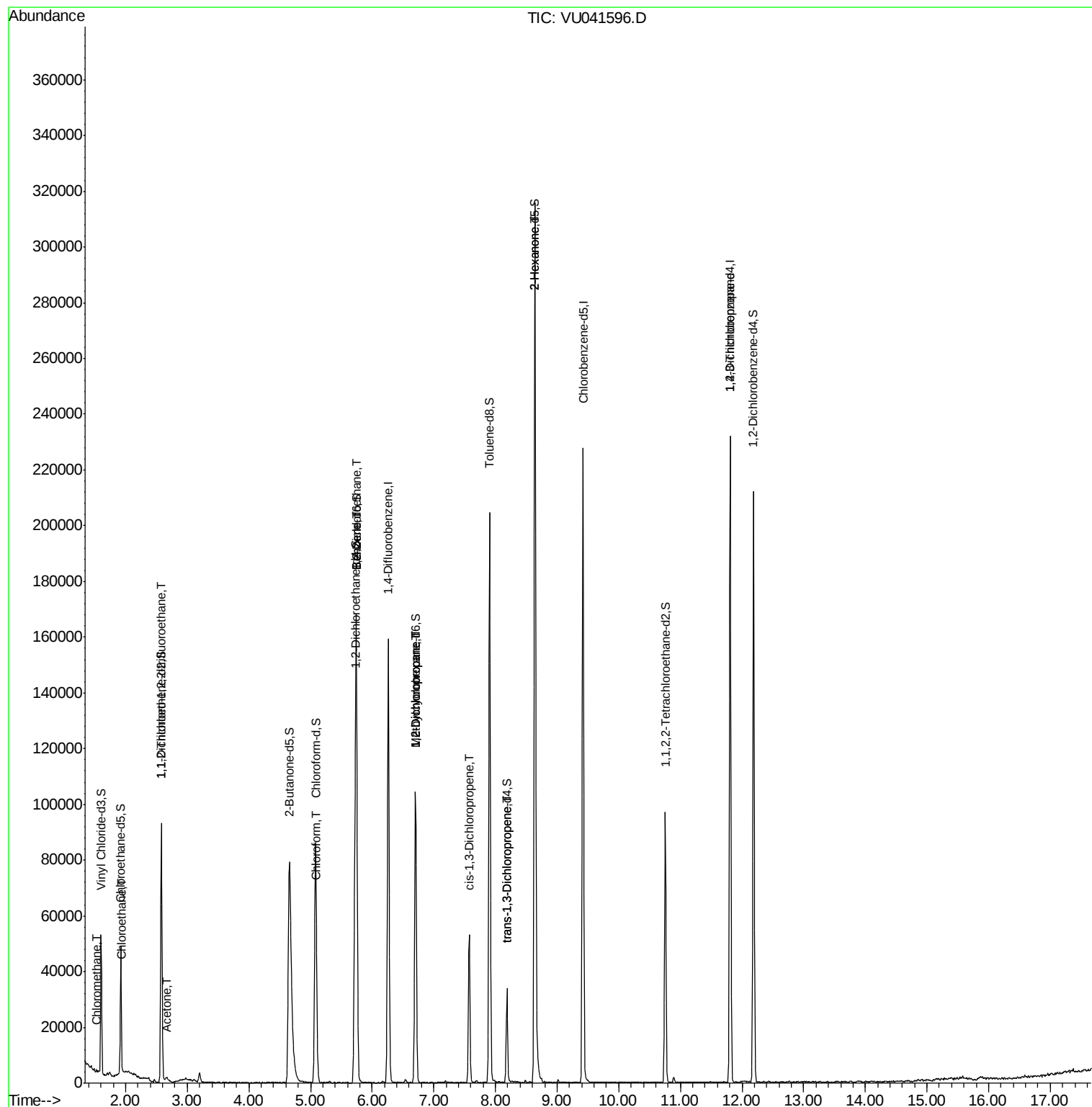
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	752	0.069	ug/L	92
8) Chloroethane	1.94	64	1273	0.156	ug/L #	66
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	438	0.048	ug/L #	22
13) Acetone	2.67	43	2014	1.064	ug/L	85
25) Chloroform	5.11	83	4488	0.256	ug/L	88
27) 1,2-Dichloroethane	5.74	62	729	0.062	ug/L #	73
33) Benzene	5.74	78	1152	0.028	ug/L	100
35) Methylcyclohexane	6.71	83	11831	0.718	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5282	0.509	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1160	0.075	ug/L #	53
44) trans-1,3-Dichloropropene	8.19	75	693	0.050	ug/L	99
48) 2-Hexanone	8.64	43	13271	2.469	ug/L #	68
59) 1,2,3-Trichloropropane	11.81	75	7762	0.996	ug/L	94

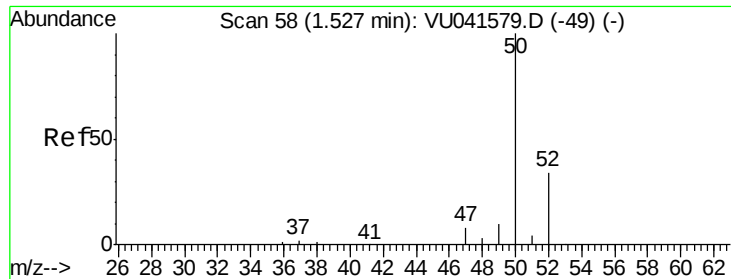
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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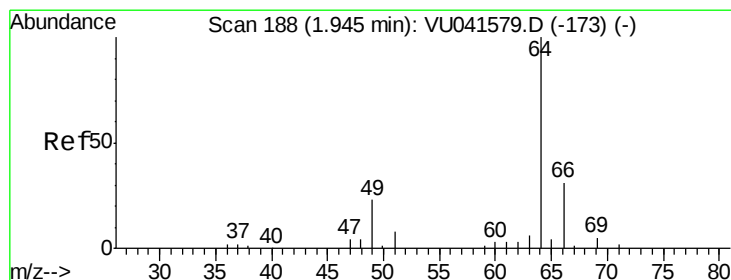
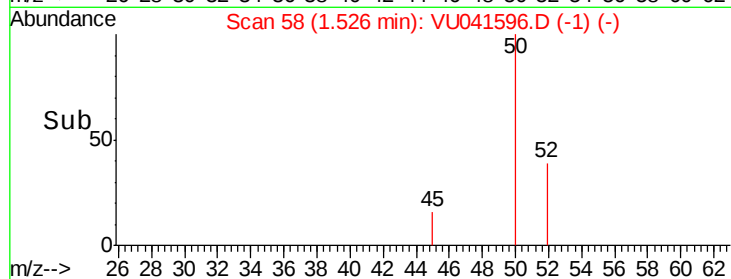
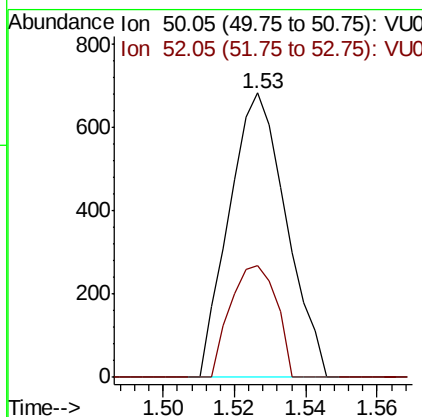
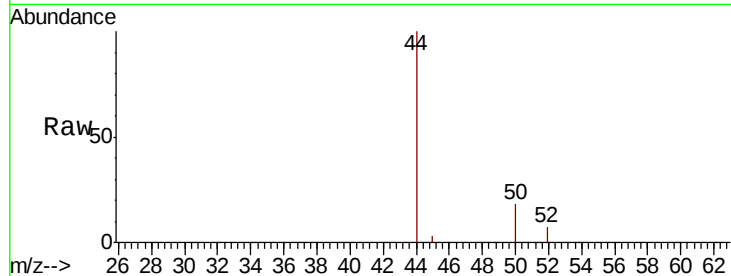




#3
 Chloromethane
 Concen: 0.069 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VU041596.D
 Acq: 13 Dec 2020 03:08

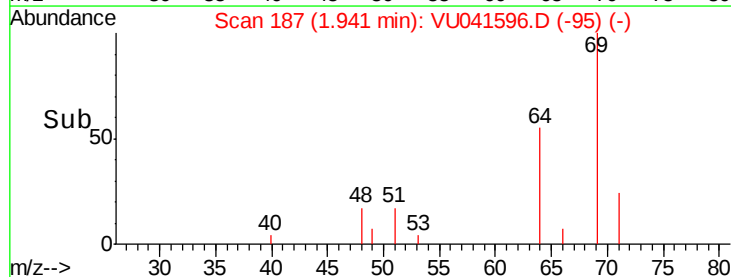
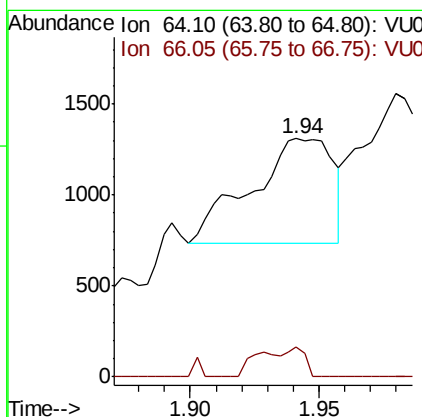
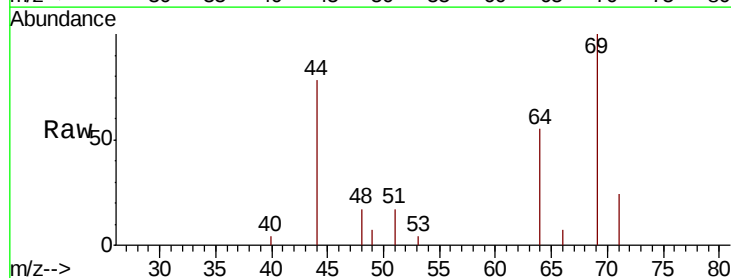
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B18

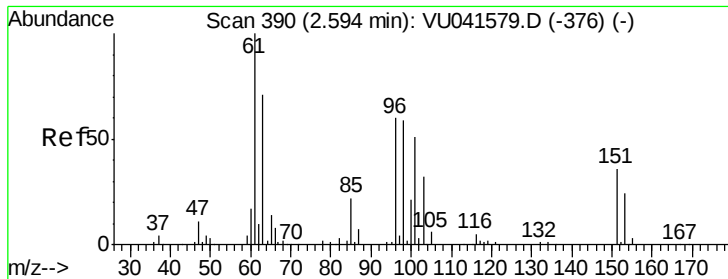
Tot Ion: 50 Resp: 752
 Ion Ratio Lower Upper
 50 100
 52 39.2 24.1 44.8



#8
 Chloroethane
 Concen: 0.156 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU041596.D
 Acq: 13 Dec 2020 03:08

Tgt Ion: 64 Resp: 1273
 Ion Ratio Lower Upper
 64 100
 66 12.3 21.6 40.0#





#10

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

Concen: 0.048 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041596.D

Acq: 13 Dec 2020 03:08

Instrument :

MSVOA_U

ClientSampleId :

C0B18

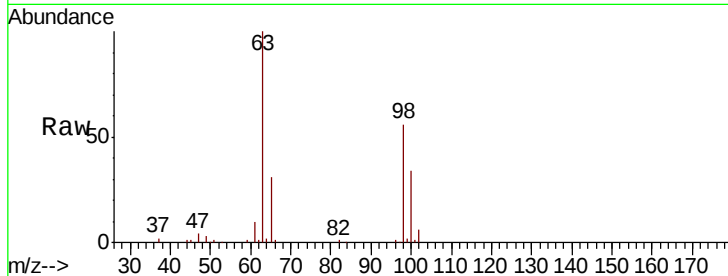
Tot Ion:101 Resp: 438

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

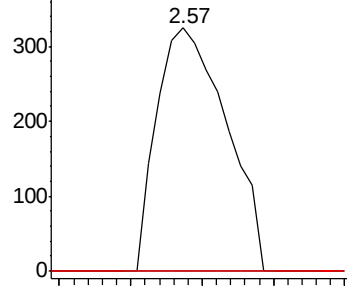
151 0.0 56.2 84.4#



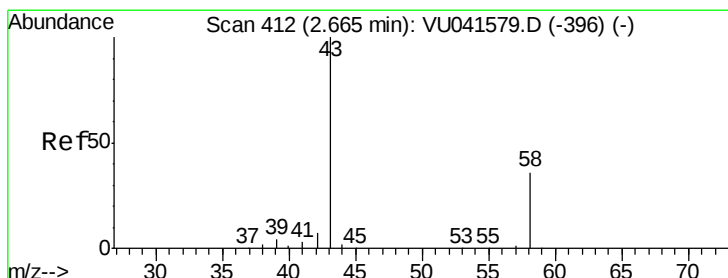
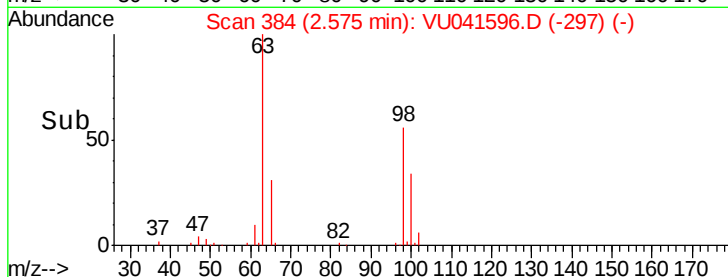
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#13

Acetone

Concen: 1.064 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU041596.D

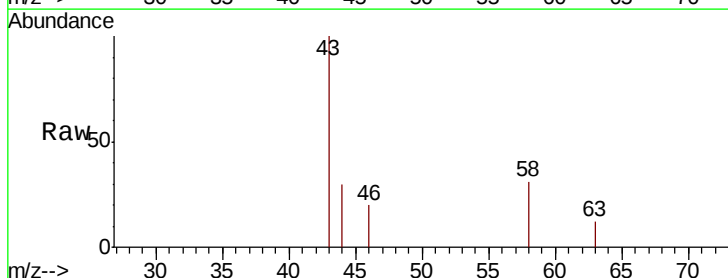
Acq: 13 Dec 2020 03:08

Tgt Ion: 43 Resp: 2014

Ion Ratio Lower Upper

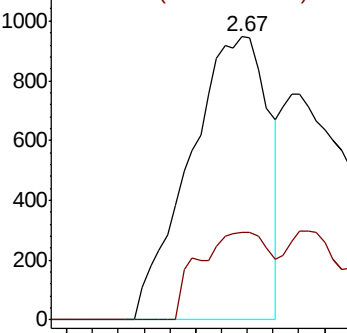
43 100

58 27.8 0.0 73.2

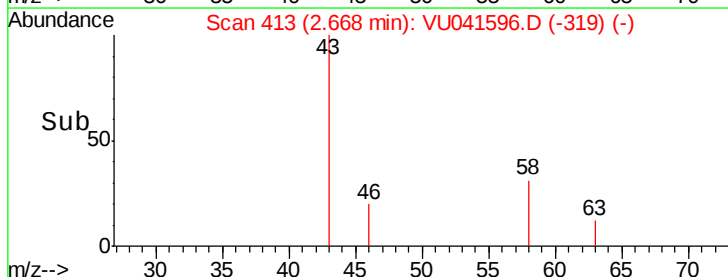


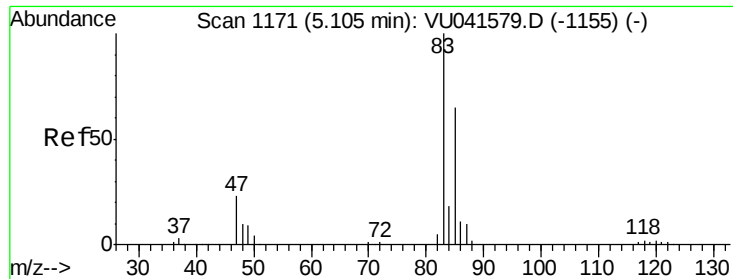
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



Time-->

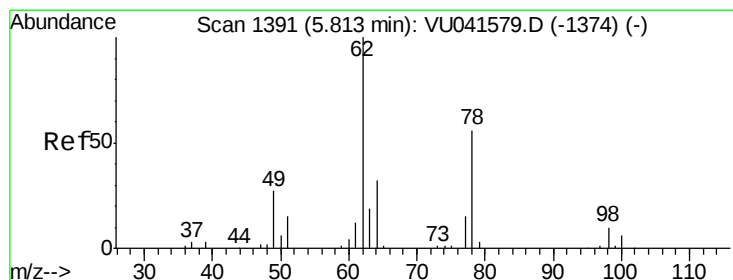
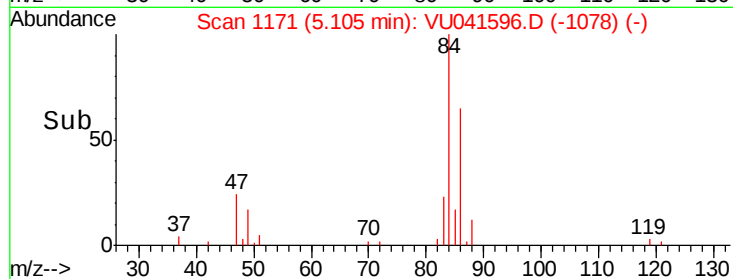
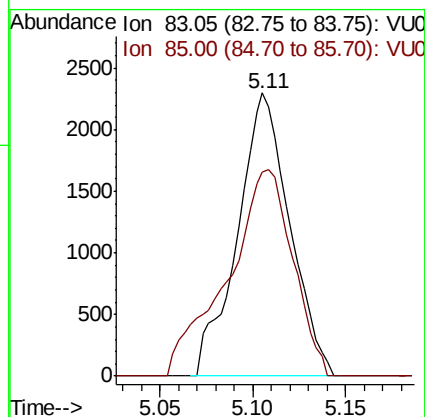
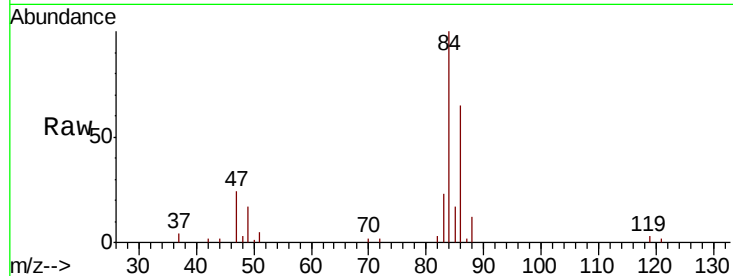




#25
Chloroform
Concen: 0.256 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041596.D
Acq: 13 Dec 2020 03:08

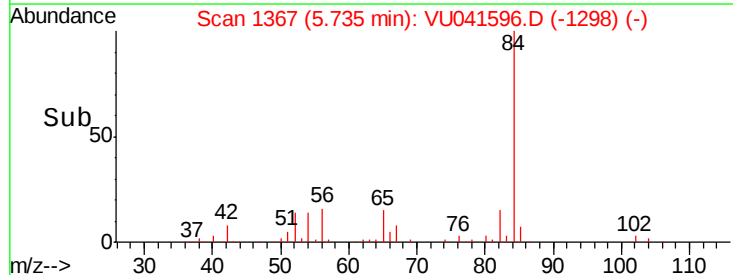
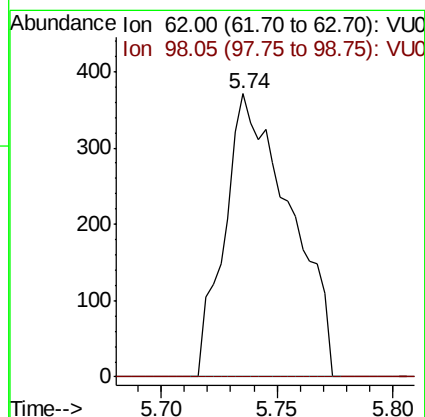
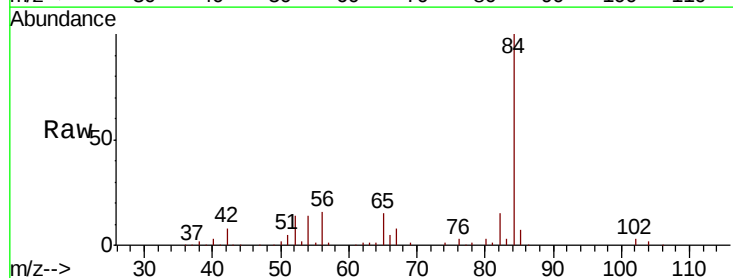
Instrument :
MSVOA_U
ClientSampled :
C0B18

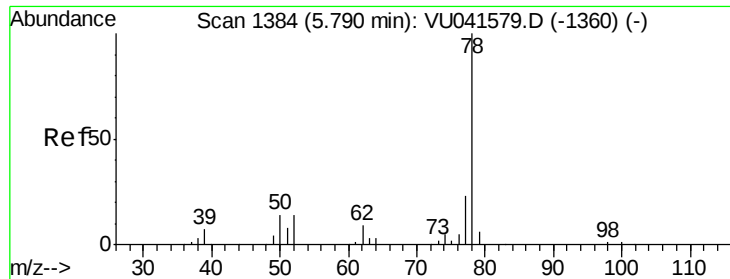
Tot Ion: 83 Resp: 4488
Ion Ratio Lower Upper
83 100
85 72.2 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.062 ug/L
RT: 5.74 min Scan# 1367
Delta R.T. -0.08 min
Lab File: VU041596.D
Acq: 13 Dec 2020 03:08

Tgt Ion: 62 Resp: 729
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#





#33

Benzene

Concen: 0.028 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.05 min

Lab File: VU041596.D

Acq: 13 Dec 2020 03:08

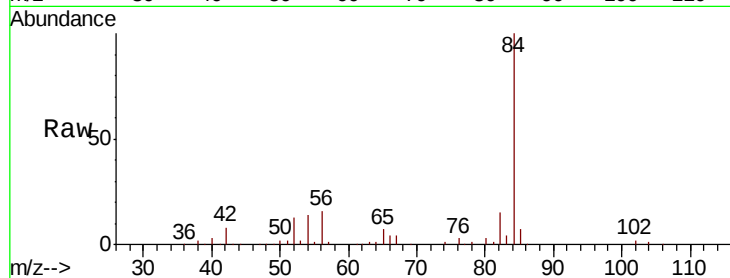
Instrument :

MSVOA_U

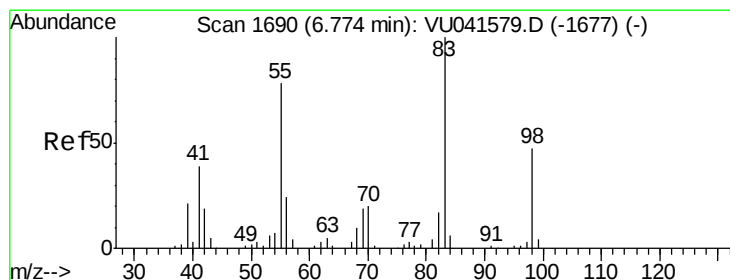
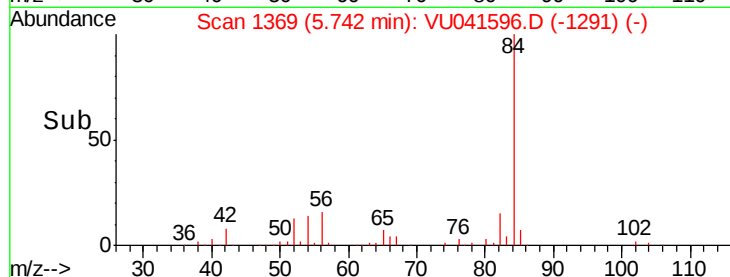
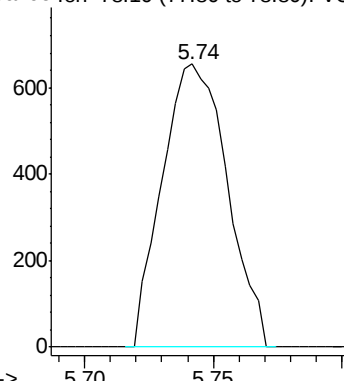
ClientSampled :

C0B18

Tgt Ion: 78 Resp: 1152



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.718 ug/L

RT: 6.71 min Scan# 1669

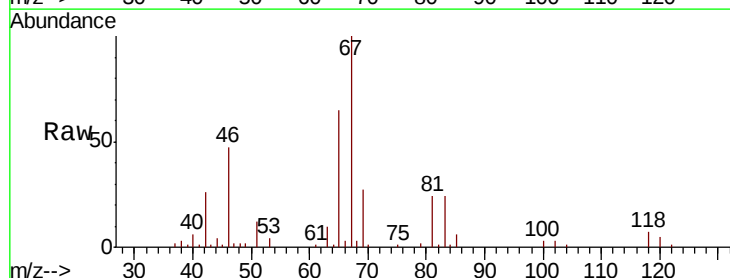
Delta R.T. -0.07 min

Lab File: VU041596.D

Acq: 13 Dec 2020 03:08

Tgt Ion: 83 Resp: 11831

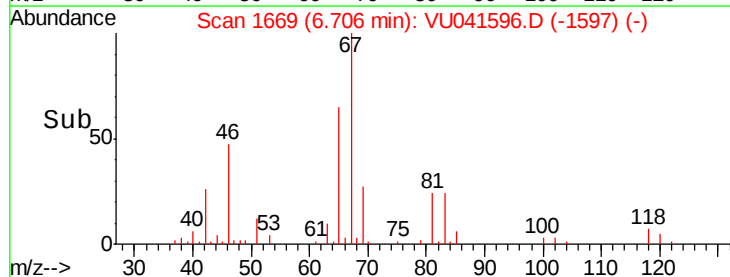
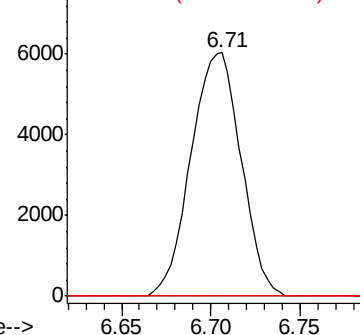
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.9	36.6	54.8#

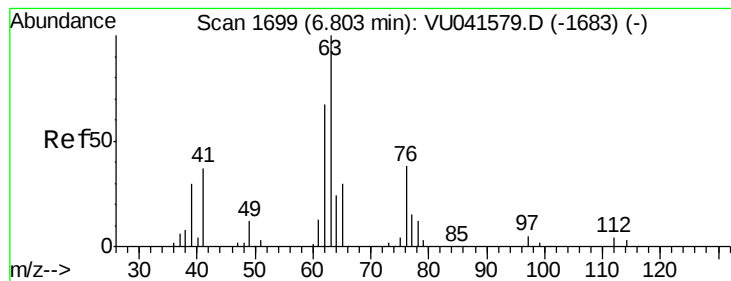


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.509 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041596.D

Acq: 13 Dec 2020 03:08

Instrument :

MSVOA_U

ClientSampleId :

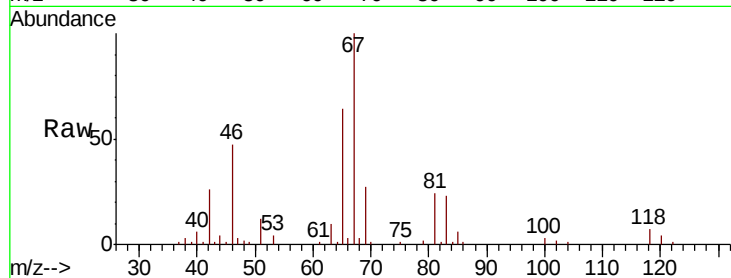
C0B18

Tot Ion: 63 Resp: 5282

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041579.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU041579.D (-1683) (-)

6.70

3000

2500

2000

1500

1000

500

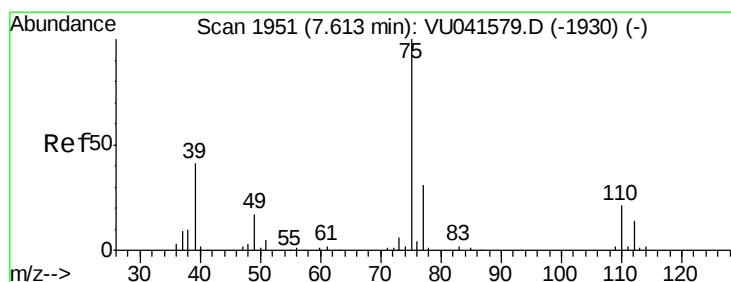
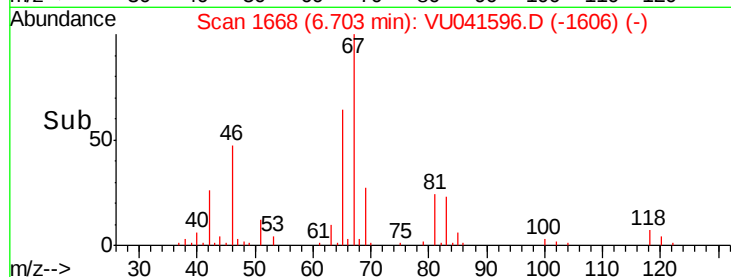
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041596.D

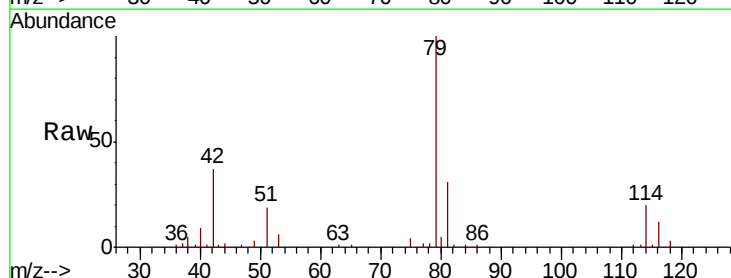
Acq: 13 Dec 2020 03:08

Tgt Ion: 75 Resp: 1160

Ion Ratio Lower Upper

75 100

77 58.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041579.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU041579.D (-1930) (-)

7.58

800

600

400

200

0

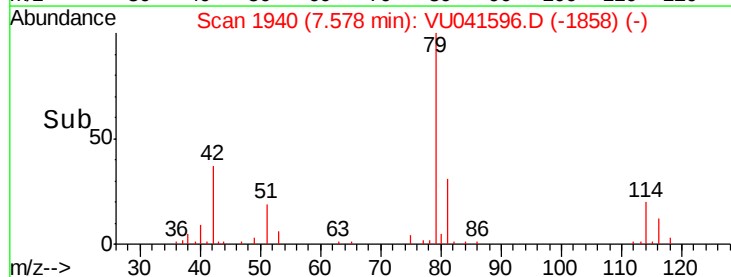
7.54

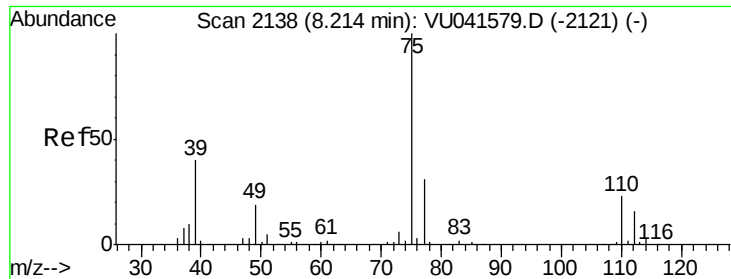
7.56

7.58

7.60

Time-->

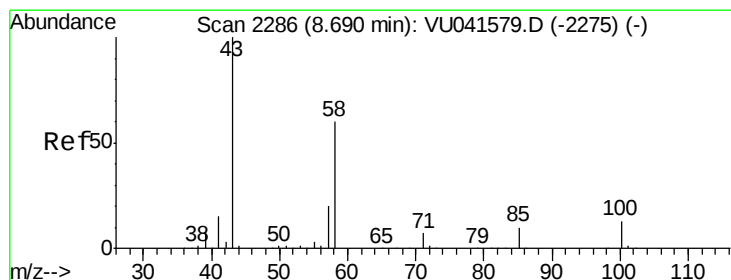
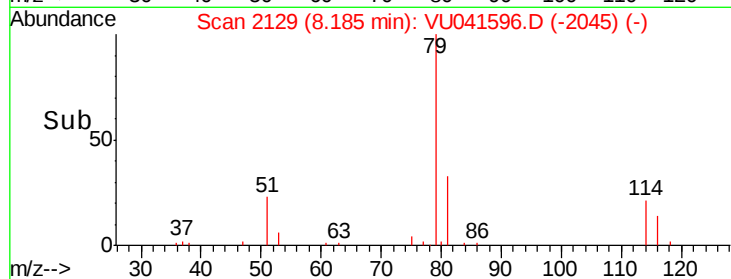
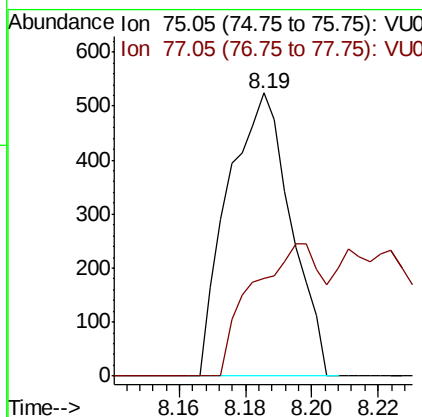
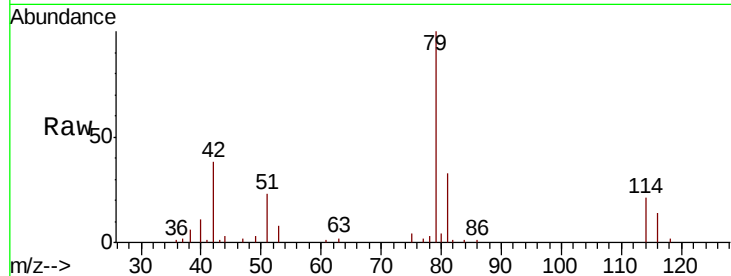




#44
trans-1,3-Dichloropropene
Concen: 0.050 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041596.D
Acq: 13 Dec 2020 03:08

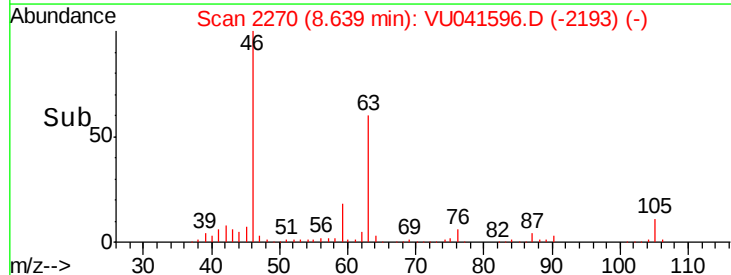
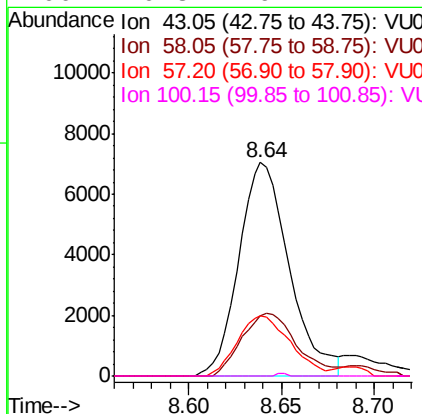
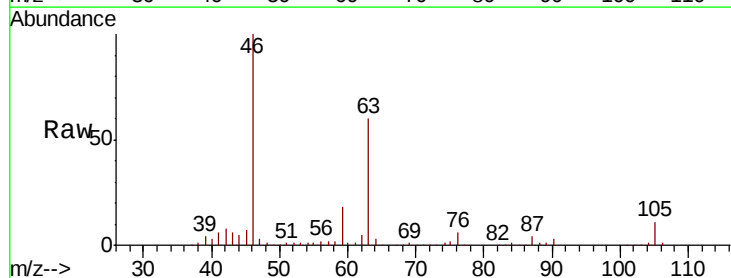
Instrument :
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ClientSampleId :
C0B18

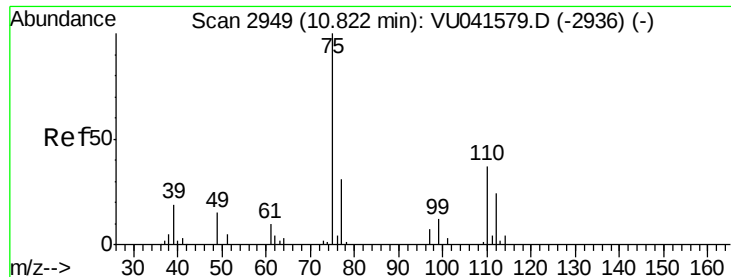
Tot Ion: 75 Resp: 693
Ion Ratio Lower Upper
75 100
77 34.4 23.8 44.2



#48
2-Hexanone
Concen: 2.469 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041596.D
Acq: 13 Dec 2020 03:08

Tgt Ion: 43 Resp: 13271
Ion Ratio Lower Upper
43 100
58 31.7 47.9 71.9#
57 29.5 16.5 24.7#
100 0.3 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 0.996 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041596.D

Acq: 13 Dec 2020 03:08

Instrument :

MSVOA_U

ClientSampleId :

C0B18

Tot Ion: 75 Resp: 7762

Ion Ratio Lower Upper

75 100

77 29.5 26.2 39.2

