

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041247.D
 Acq On : 16 Nov 2020 14:57
 Operator : SY/MD
 Sample : L4754-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BW3

Quant Time: Nov 17 07:15:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 12:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	70479	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69264	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29003	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24575	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	23276	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.58	63	38182	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.65	46	106036	49.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.22%
24) Chloroform-d	5.08	84	54020	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.72	65	34192	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.74	84	95208	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.70	67	34568	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.91	98	80036	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.19	79	11954	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.64	63	76344	51.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30830	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	29060	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

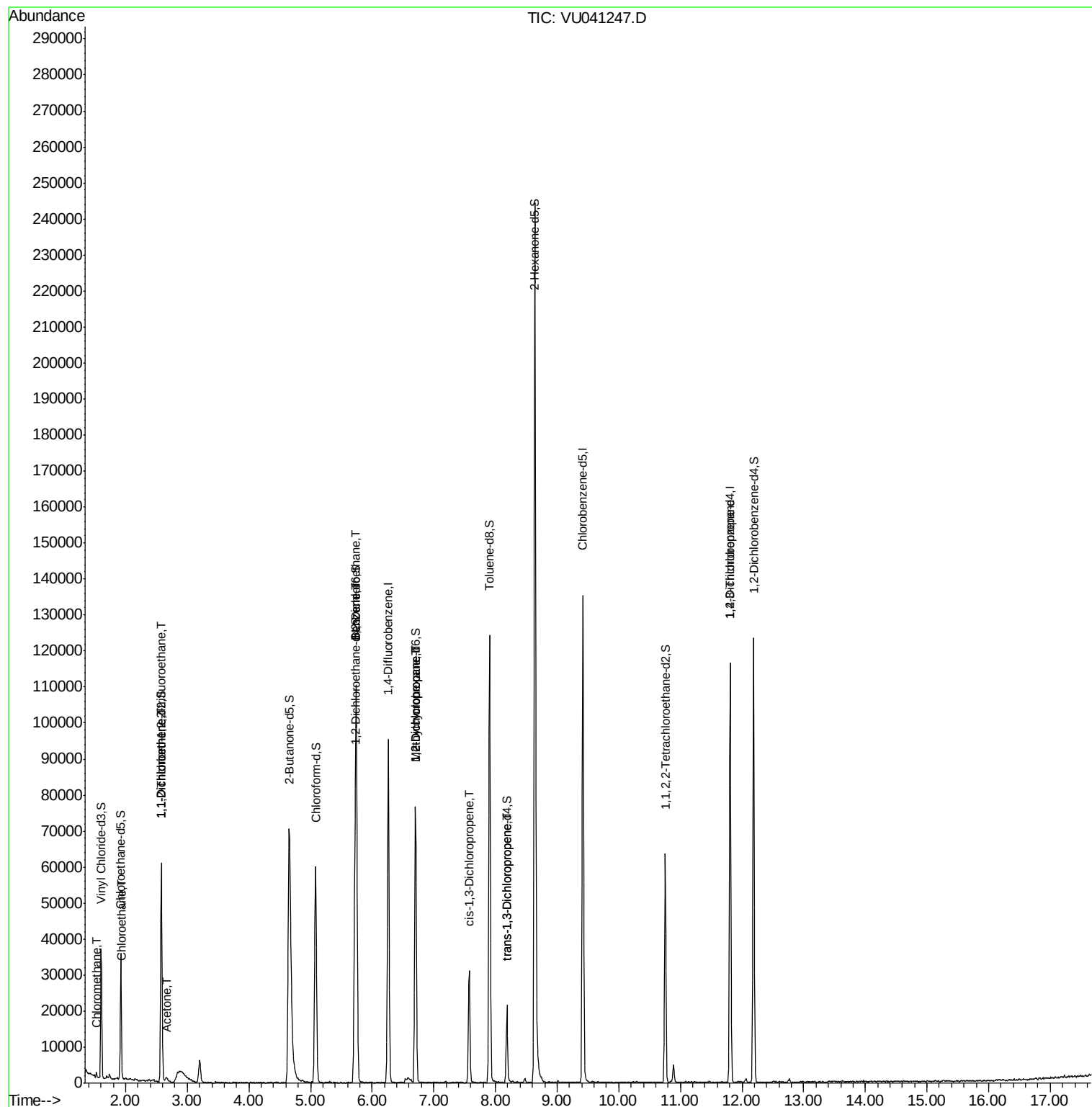
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1015	0.162	ug/L	92
8) Chloroethane	1.94	64	316	0.078	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	301	0.058	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	256	0.056	ug/L #	1
13) Acetone	2.66	43	2974	2.097	ug/L	88
27) 1,2-Dichloroethane	5.74	62	590	0.076	ug/L #	74
33) Benzene	5.74	78	591	0.031	ug/L	100
35) Methylcyclohexane	6.70	83	7788	1.156	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	4231	0.771	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	798	0.104	ug/L	91
44) trans-1,3-Dichloropropene	8.18	75	583	0.081	ug/L #	68
59) 1,2,3-Trichloropropane	11.81	75	3841	0.888	ug/L	91

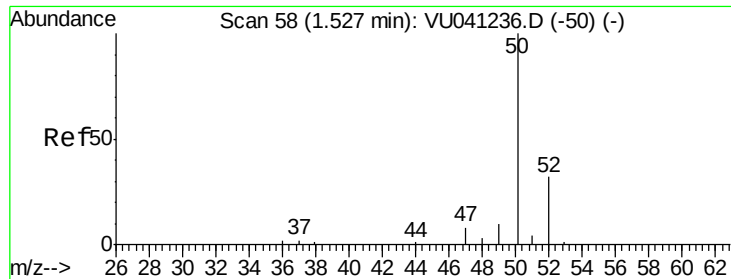
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 16 12:08:29 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.162 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041247.D

Acq: 16 Nov 2020 14:57

Instrument :

MSVOA_U

ClientSampleId :

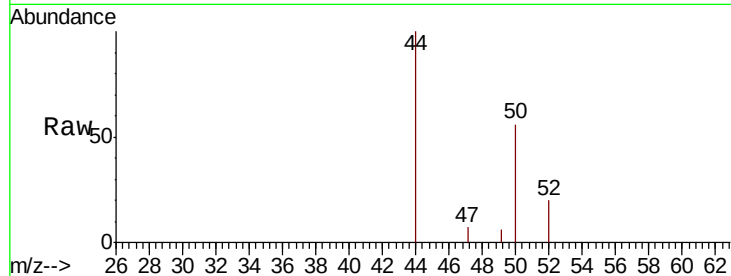
C0BW3

Tot Ion: 50 Resp: 1015

Ion Ratio Lower Upper

50 100

52 36.6 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

1000

800

600

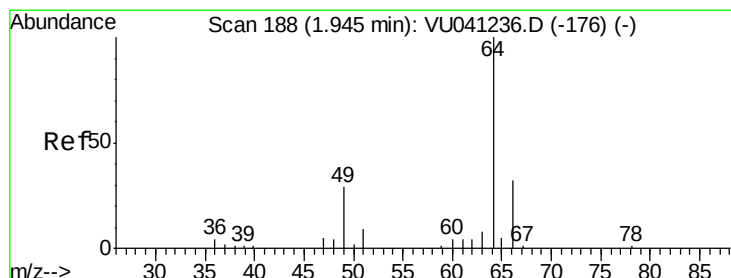
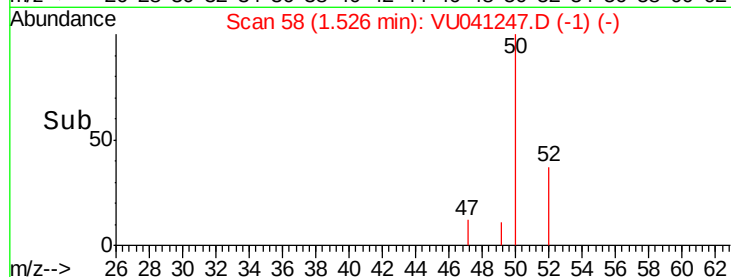
400

200

0

1.50 1.52 1.54 1.56

Time-->



#8

Chloroethane

Concen: 0.078 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041247.D

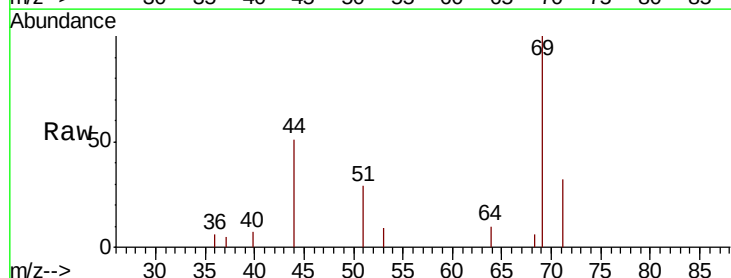
Acq: 16 Nov 2020 14:57

Tgt Ion: 64 Resp: 316

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

200

150

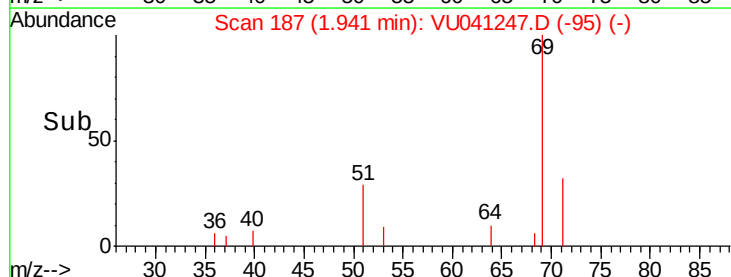
100

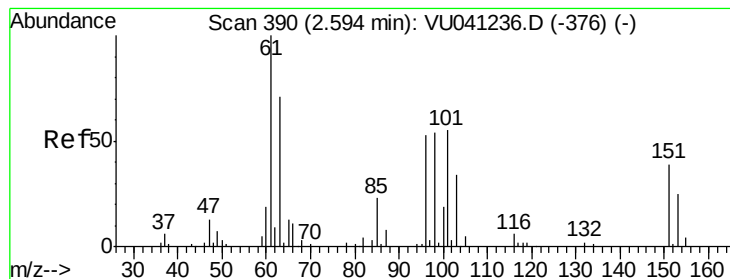
50

0

1.92 1.94 1.96

Time-->





#10

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

Concen: 0.058 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041247.D

Acq: 16 Nov 2020 14:57

Instrument :

MSVOA_U

ClientSampled :

C0BW3

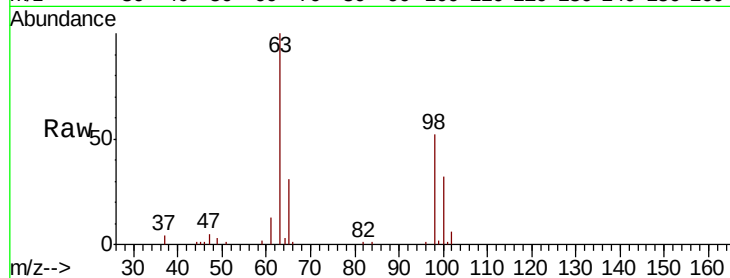
Tot Ion:101 Resp: 301

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

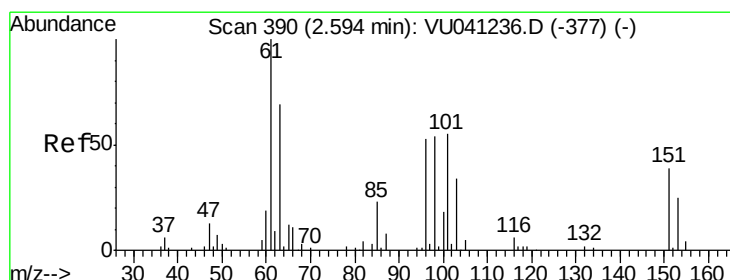
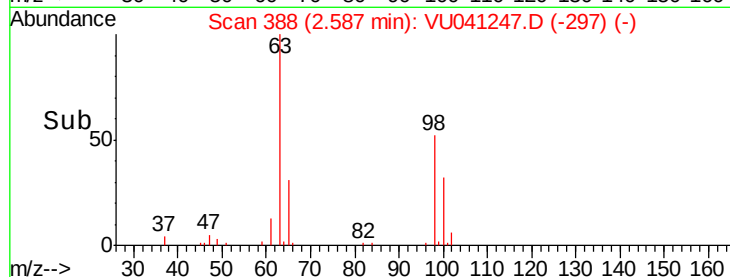
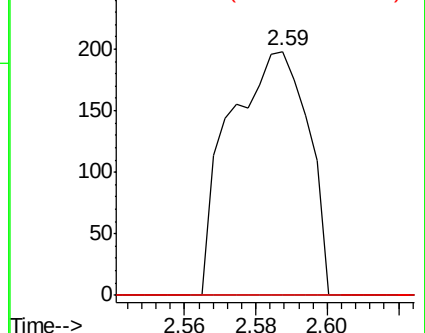
151 0.0 55.3 82.9#



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



#12

1,1-Dichloroethene

Concen: 0.056 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041247.D

Acq: 16 Nov 2020 14:57

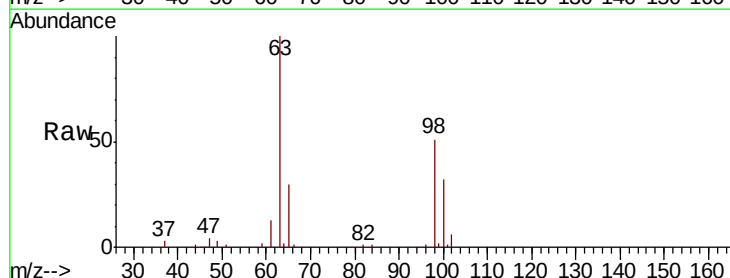
Tgt Ion: 96 Resp: 256

Ion Ratio Lower Upper

96 100

61 1855.0 134.3 249.5#

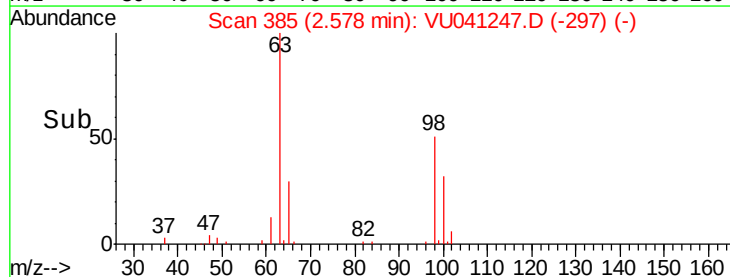
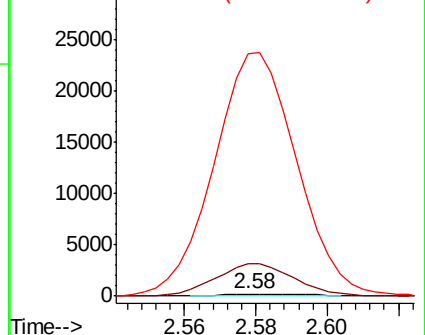
63 13992.9 95.0 176.4#

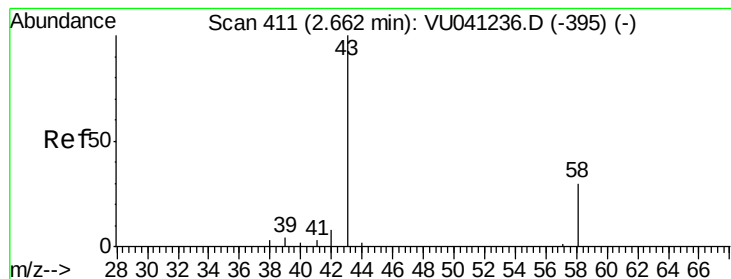


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.097 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU041247.D

Acq: 16 Nov 2020 14:57

Instrument :

MSVOA_U

ClientSampled :

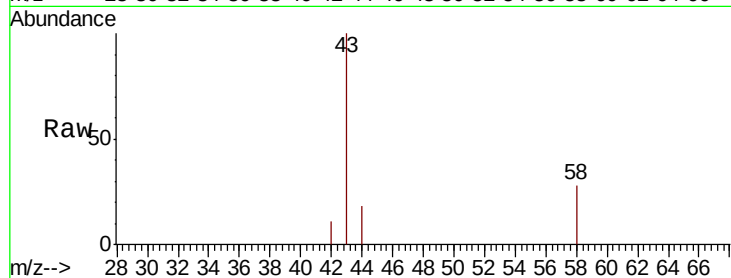
C0BW3

Tot Ion: 43 Resp: 2974

Ion Ratio Lower Upper

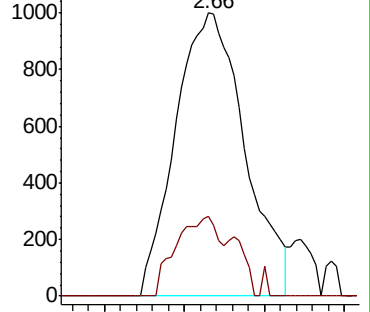
43 100

58 17.6 0.0 25.4

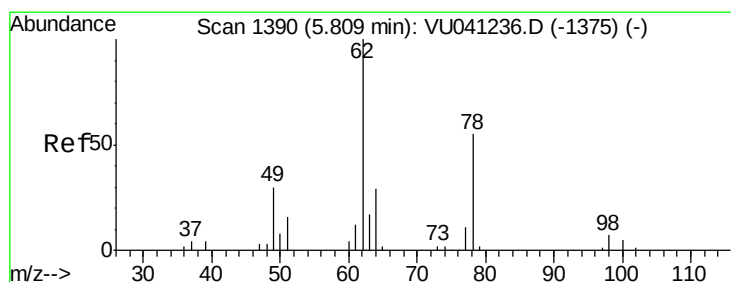
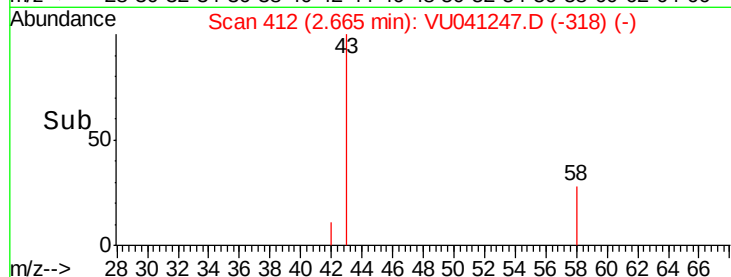


Abundance Ion 43.05 (42.75 to 43.75): VU041236.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041236.D (-395) (-)



Time--> 2.60 2.65 2.70



#27

1,2-Dichloroethane

Concen: 0.076 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041247.D

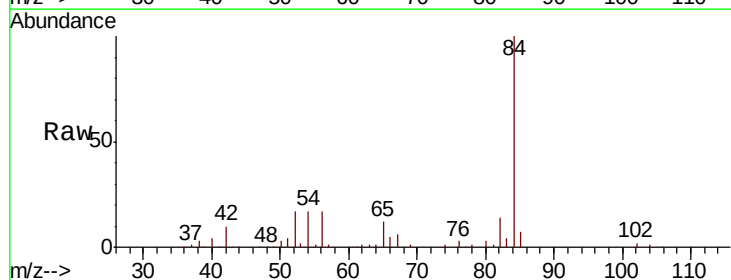
Acq: 16 Nov 2020 14:57

Tgt Ion: 62 Resp: 590

Ion Ratio Lower Upper

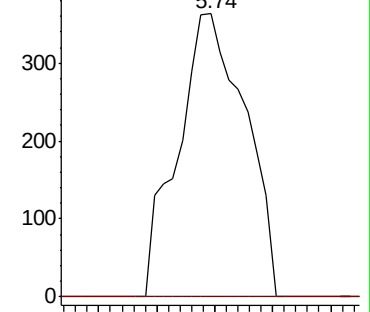
62 100

98 0.0 7.6 11.4#

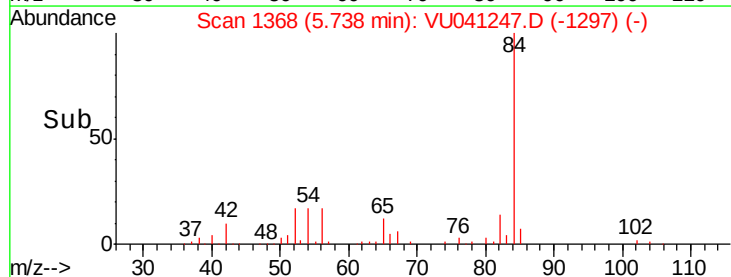


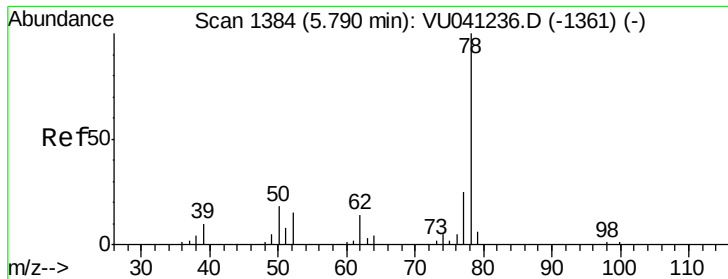
Abundance Ion 62.00 (61.70 to 62.70): VU041236.D (-1375) (-)

Ion 98.05 (97.75 to 98.75): VU041236.D (-1375) (-)



Time--> 5.70 5.72 5.74 5.76 5.78





#33

Benzene

Concen: 0.031 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VU041247.D

Acq: 16 Nov 2020 14:57

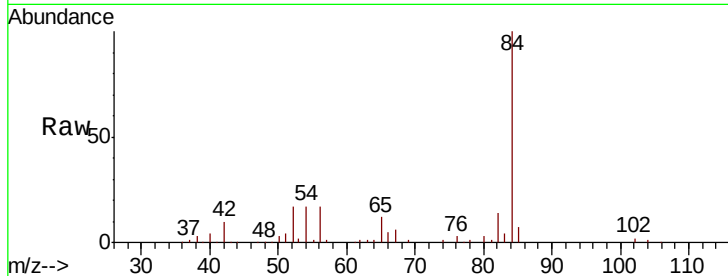
Instrument :

MSVOA_U

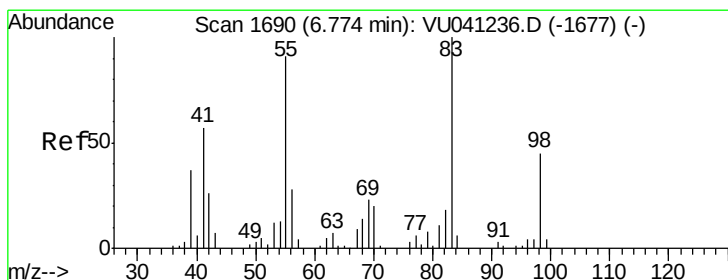
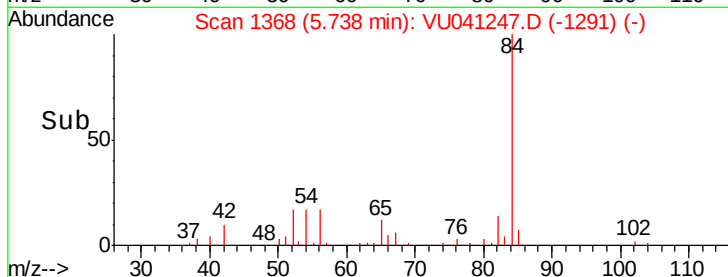
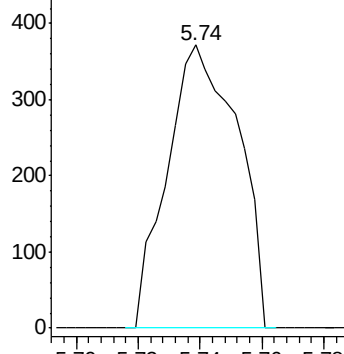
ClientSampled :

C0BW3

Tgt Ion: 78 Resp: 591



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 1.156 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041247.D

Acq: 16 Nov 2020 14:57

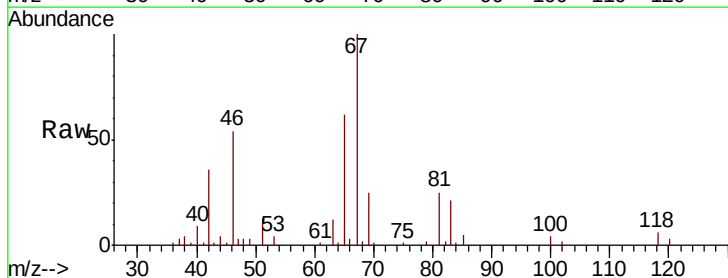
Tgt Ion: 83 Resp: 7788

Ion Ratio Lower Upper

83 100

55 0.9 72.0 108.0#

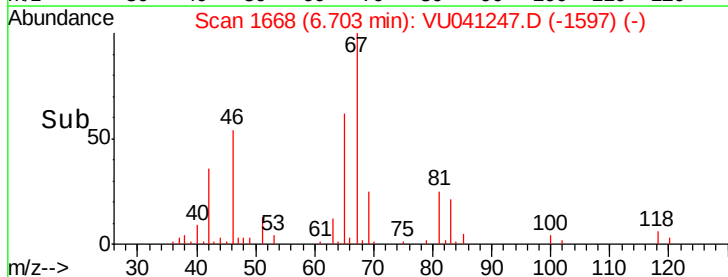
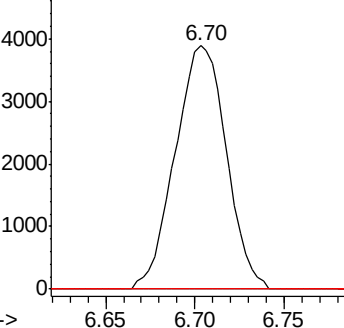
98 2.1 36.6 55.0#

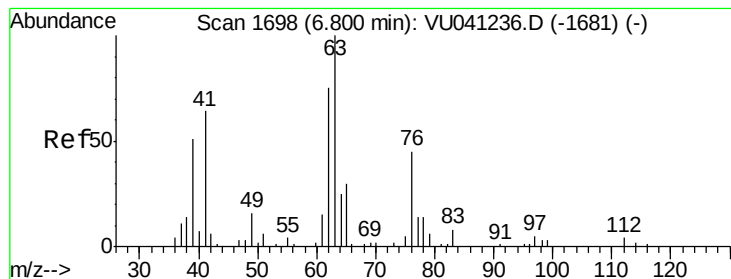


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.771 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041247.D

Acq: 16 Nov 2020 14:57

Instrument :

MSVOA_U

ClientSampleId :

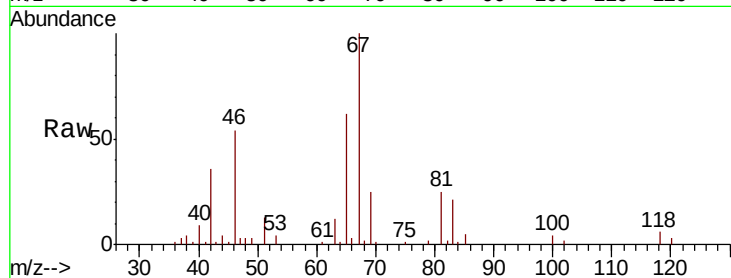
C0BW3

Tot Ion: 63 Resp: 4231

Ion Ratio Lower Upper

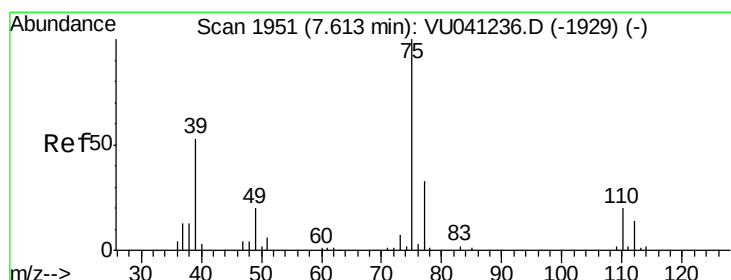
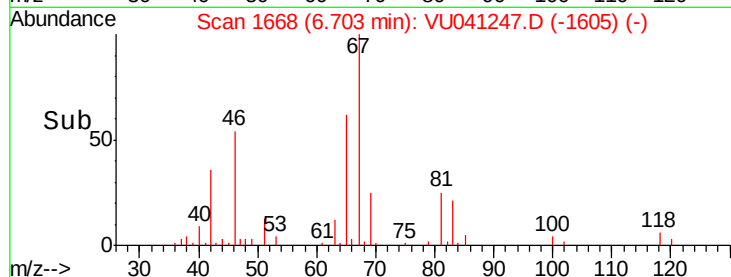
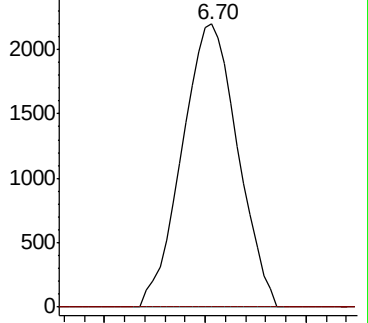
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041247.D

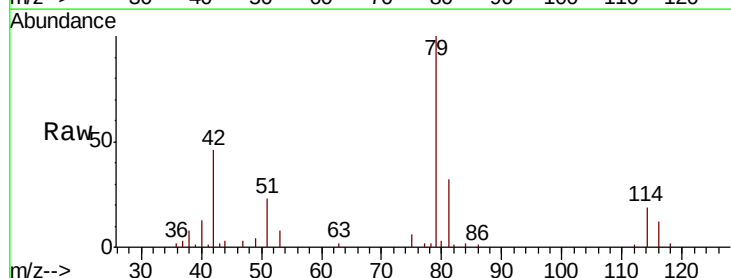
Acq: 16 Nov 2020 14:57

Tgt Ion: 75 Resp: 798

Ion Ratio Lower Upper

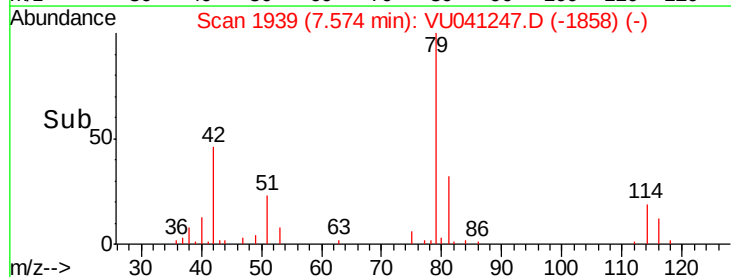
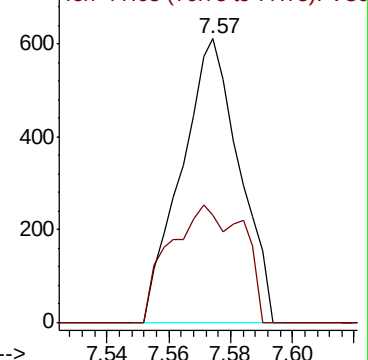
75 100

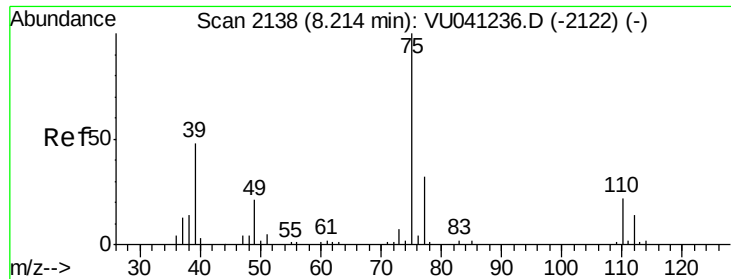
77 37.6 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041247.D

Acq: 16 Nov 2020 14:57

Instrument :

MSVOA_U

ClientSampled :

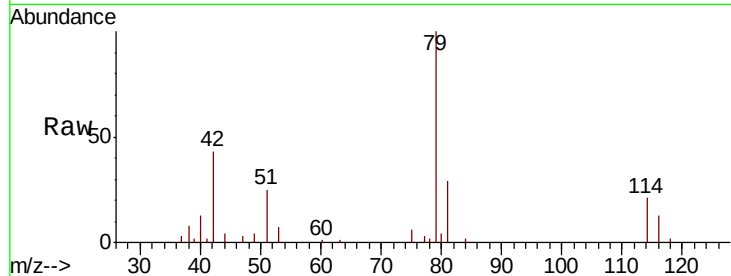
C0BW3

Tot Ion: 75 Resp: 583

Ion Ratio Lower Upper

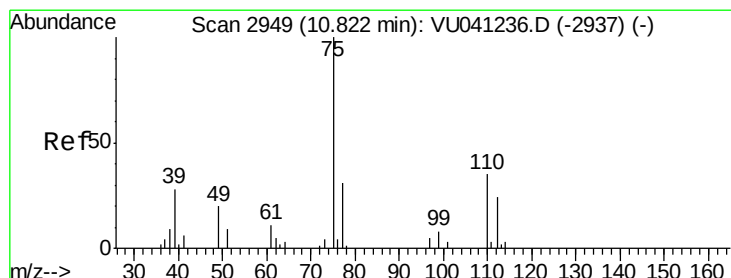
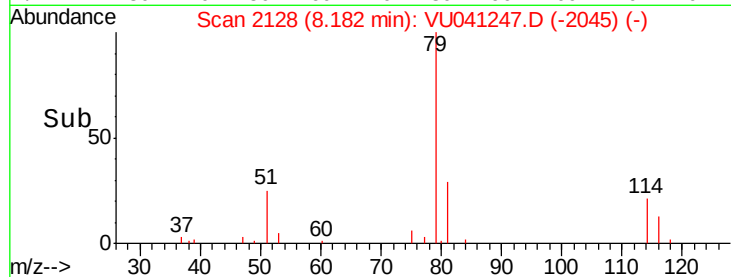
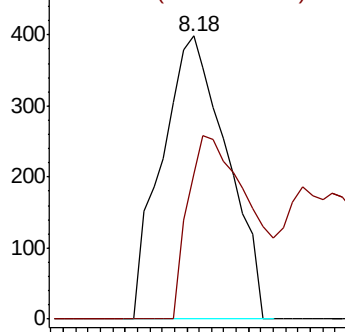
75 100

77 51.5 23.3 43.3#



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: 0.888 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041247.D

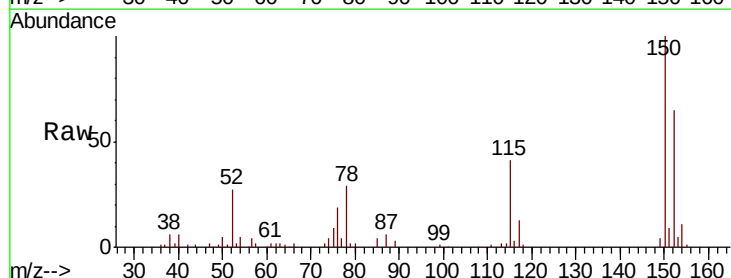
Acq: 16 Nov 2020 14:57

Tgt Ion: 75 Resp: 3841

Ion Ratio Lower Upper

75 100

77 37.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

