

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040413.D
 Acq On : 01 Oct 2020 10:40
 Operator : SY/MD
 Sample : VU1001WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK19

Quant Time: Oct 02 03:20:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 03:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127943	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128064	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	30229	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.92	69	29943	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.58	63	52613	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.66	46	184737	58.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.42%
24) Chloroform-d	5.08	84	78295	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	49750	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.74	84	139087	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.70	67	51154	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.60%
41) Toluene-d8	7.91	98	108423	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	8.19	79	19572	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.64	63	126224	55.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48389	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	49326	5.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.80%

Target Compounds

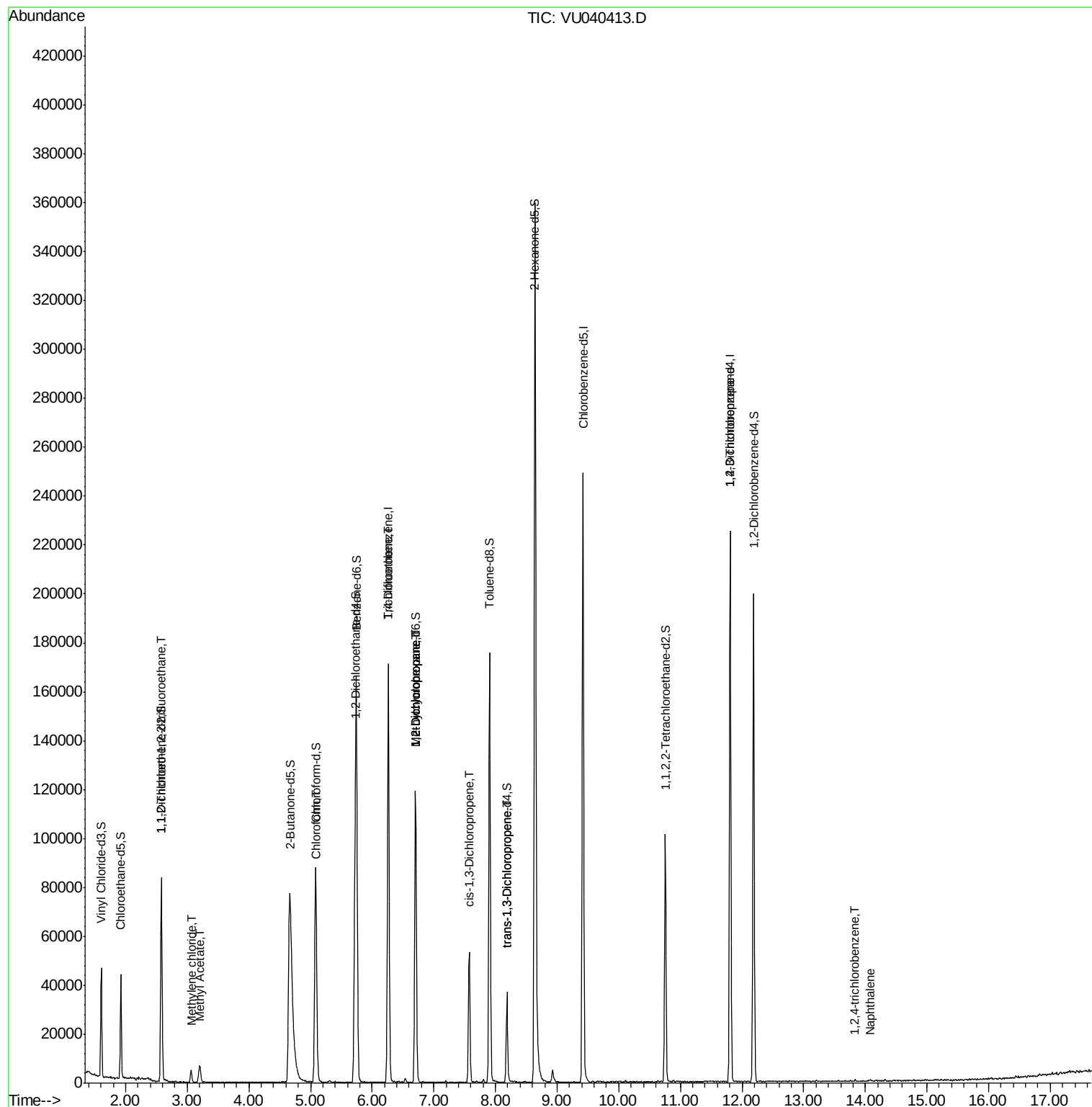
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	513	0.047	ug/L #	22
15) Methyl Acetate	3.20	43	918	0.145	ug/L #	56
16) Methylene chloride	3.06	84	2231	0.182	ug/L	96
25) Chloroform	5.10	83	4454	0.211	ug/L	84
34) Trichloroethene	6.27	95	2393	0.210	ug/L #	8
35) Methylcyclohexane	6.70	83	12498	0.748	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	5607	0.469	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1581	0.099	ug/L	84
44) trans-1,3-Dichloropropene	8.19	75	932	0.063	ug/L #	21
59) 1,2,3-Trichloropropane	11.81	75	7997	0.923	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	442	0.041	ug/L #	59
69) Naphthalene	14.08	128	831	0.046	ug/L #	70

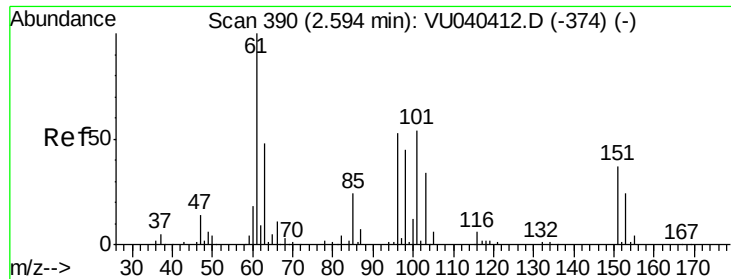
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.047 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040413.D

Acq: 01 Oct 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VBLK19

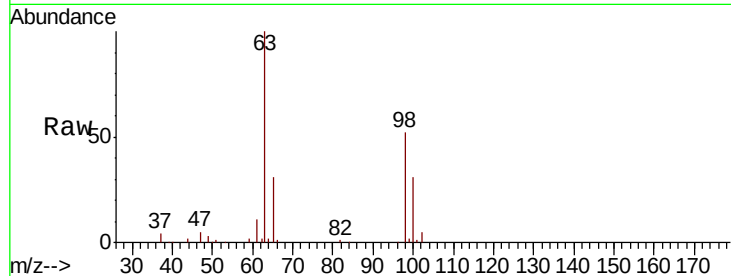
Tot Ion:101 Resp: 513

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

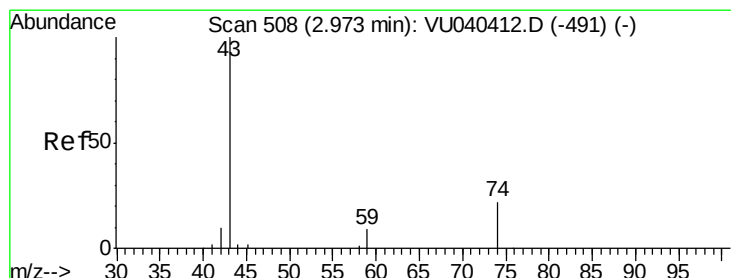
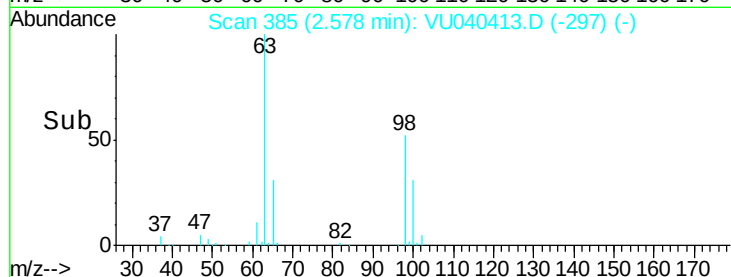
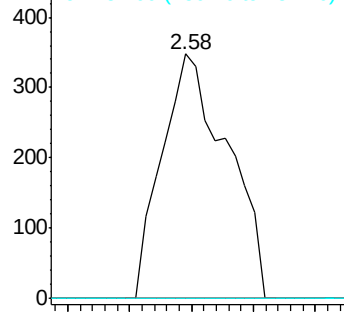
151 0.0 55.4 83.2#



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



#15

Methyl Acetate

Concen: 0.145 ug/L

RT: 3.20 min Scan# 580

Delta R.T. 0.23 min

Lab File: VU040413.D

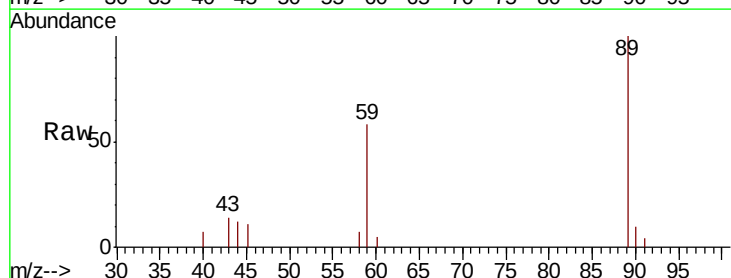
Acq: 01 Oct 2020 10:40

Tgt Ion: 43 Resp: 918

Ion Ratio Lower Upper

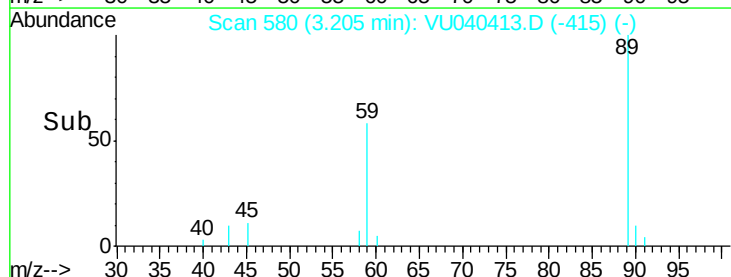
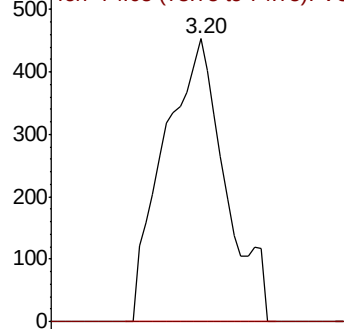
43 100

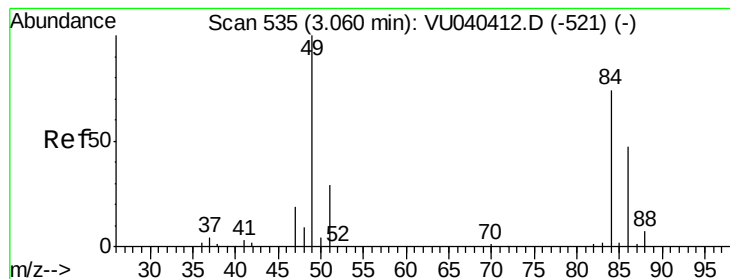
74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#16

Methvlene chloride

Concen: 0.182 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040413.D

Acq: 01 Oct 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VBLK19

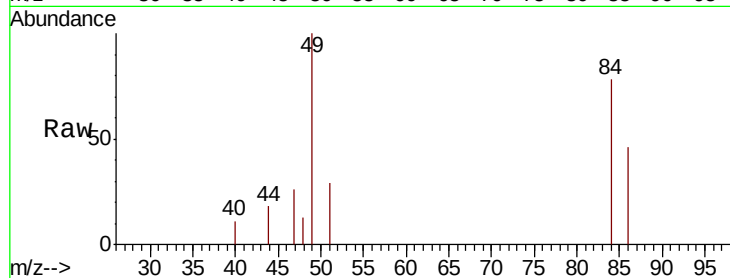
Tot Ion: 84 Resp: 2231

Ion Ratio Lower Upper

84 100

86 58.7 44.4 82.5

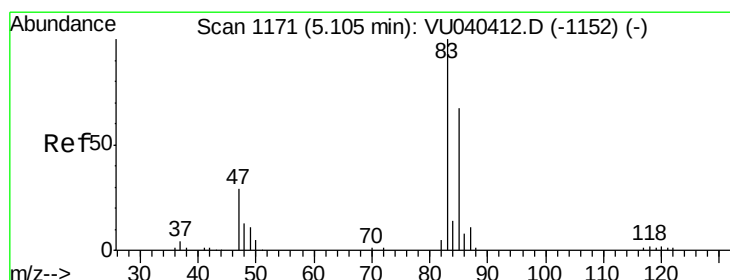
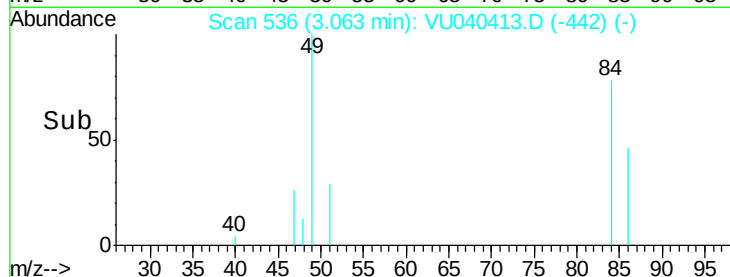
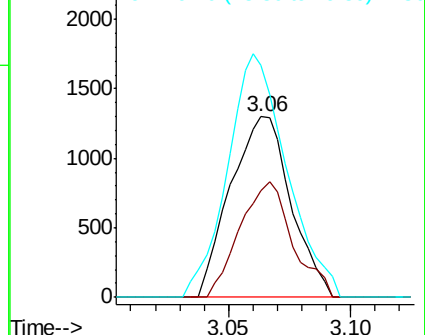
49 128.4 92.2 171.2



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#25

Chloroform

Concen: 0.211 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040413.D

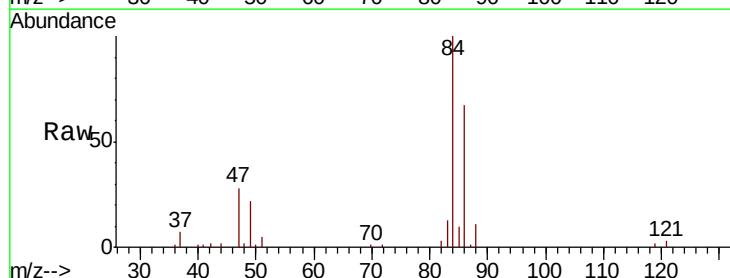
Acq: 01 Oct 2020 10:40

Tgt Ion: 83 Resp: 4454

Ion Ratio Lower Upper

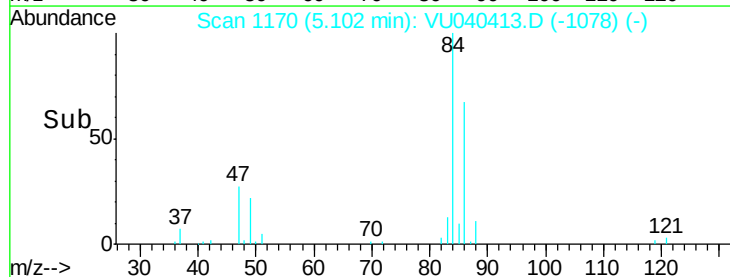
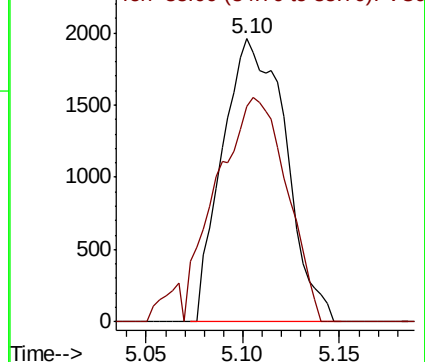
83 100

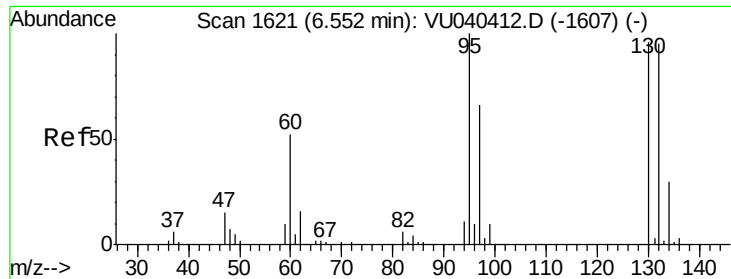
85 76.1 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.210 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU040413.D

Acq: 01 Oct 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VBLK19

Tot Ion: 95 Resp: 2393

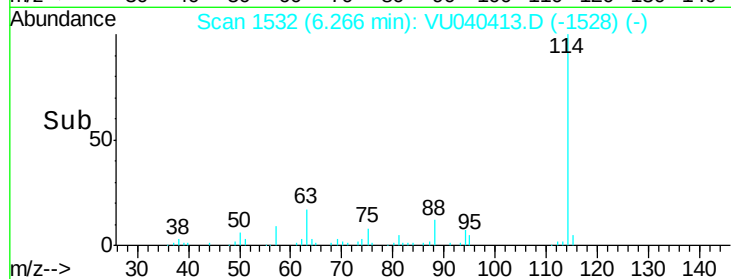
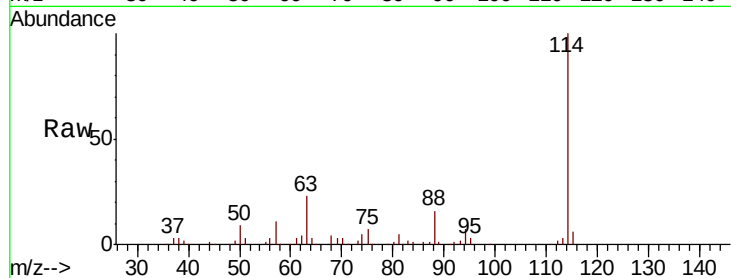
Ion Ratio Lower Upper

95 100

97 0.0 46.3 85.9#

132 0.0 60.5 112.3#

130 0.0 64.3 119.3#

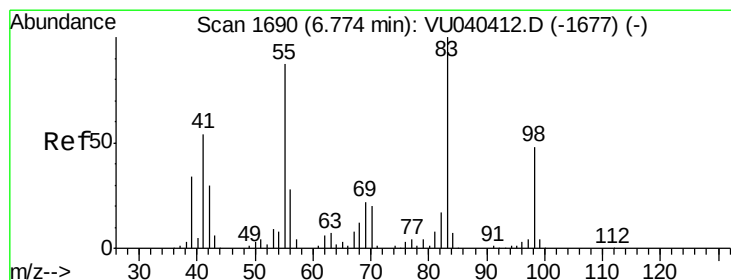
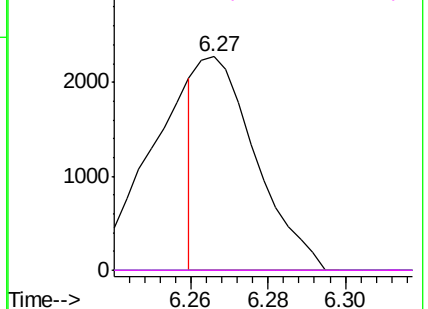


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.748 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040413.D

Acq: 01 Oct 2020 10:40

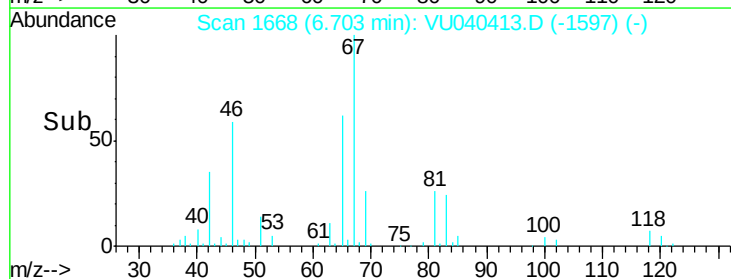
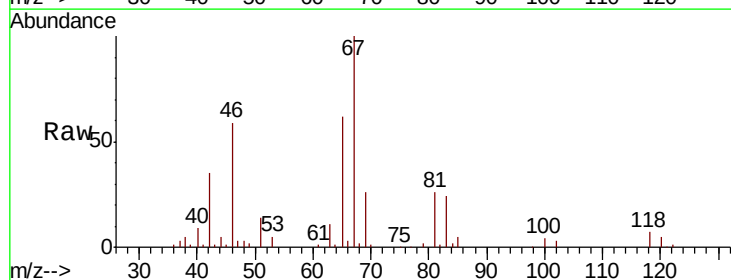
Tgt Ion: 83 Resp: 12498

Ion Ratio Lower Upper

83 100

55 0.0 71.4 107.2#

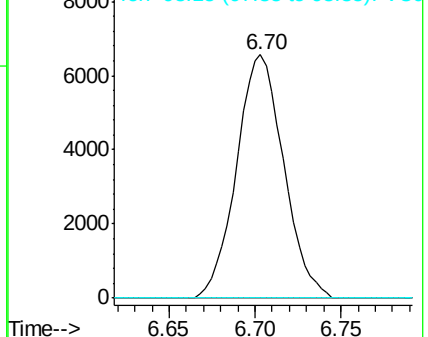
98 3.0 38.5 57.7#

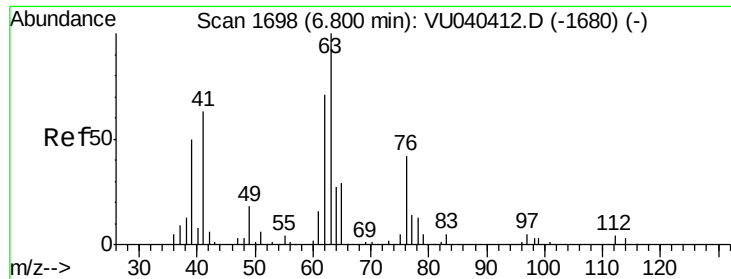


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

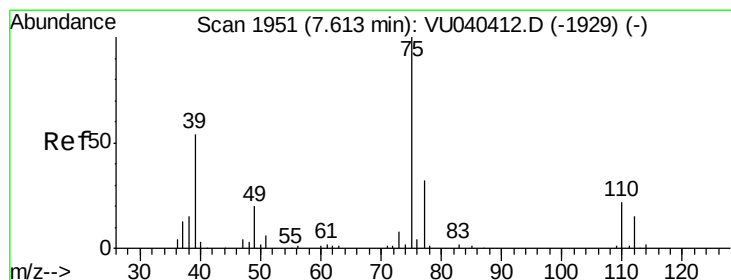
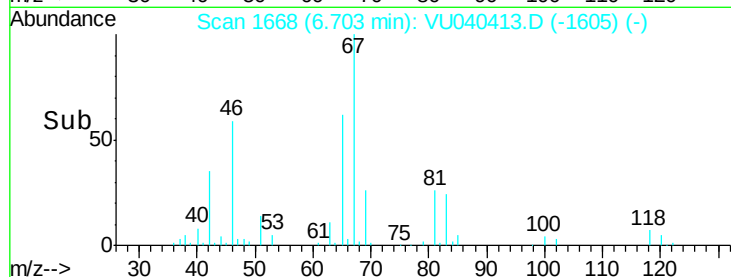
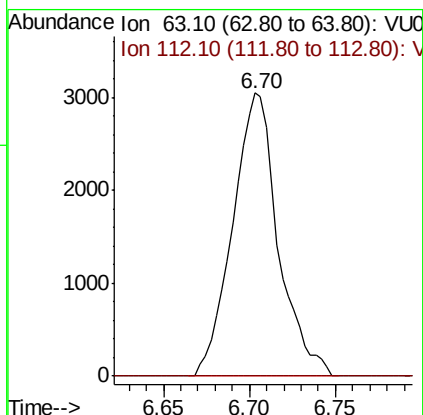
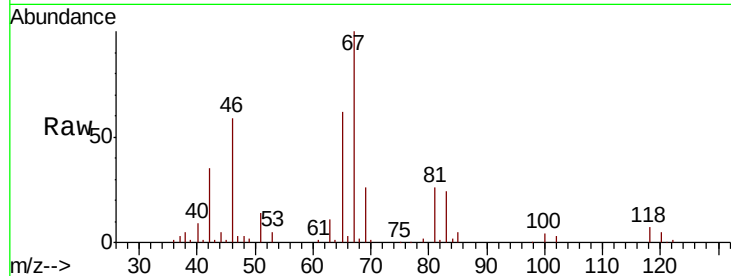




#37
 1,2-Dichloropropane
 Concen: 0.469 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040413.D
 Acq: 01 Oct 2020 10:40

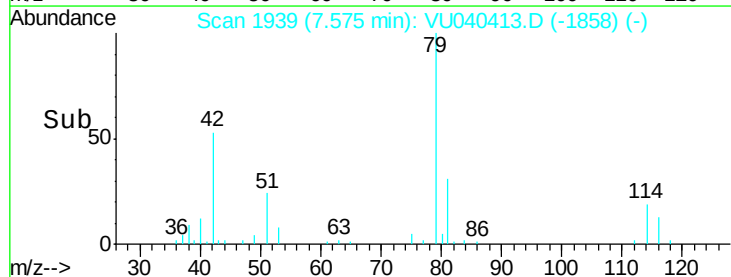
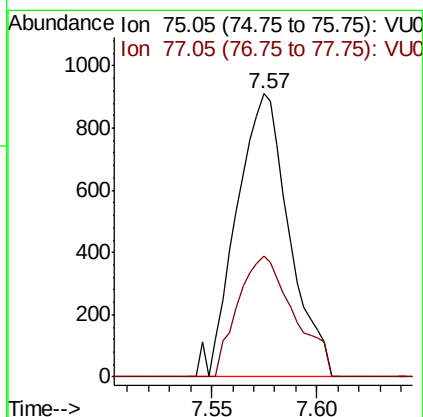
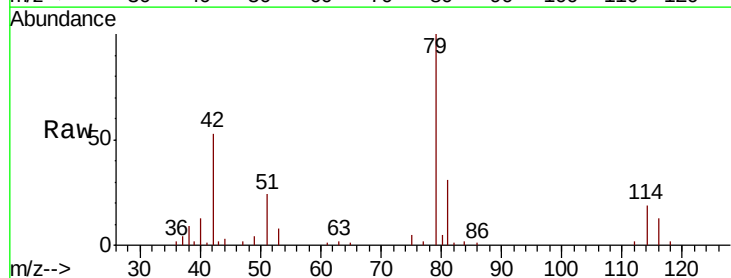
Instrument :
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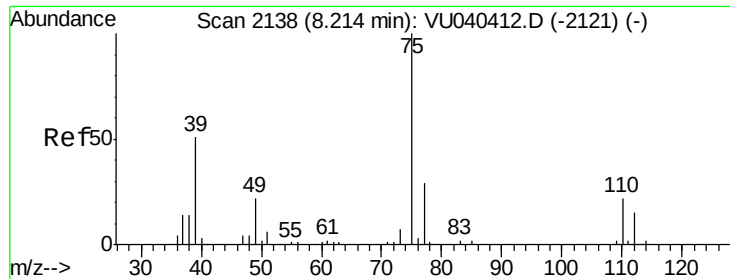
Tot Ion: 63 Resp: 5607
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040413.D
 Acq: 01 Oct 2020 10:40

Tgt Ion: 75 Resp: 1581
 Ion Ratio Lower Upper
 75 100
 77 42.7 23.5 43.7





#44

trans-1,3-Dichloropropene

Concen: 0.063 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040413.D

Acq: 01 Oct 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

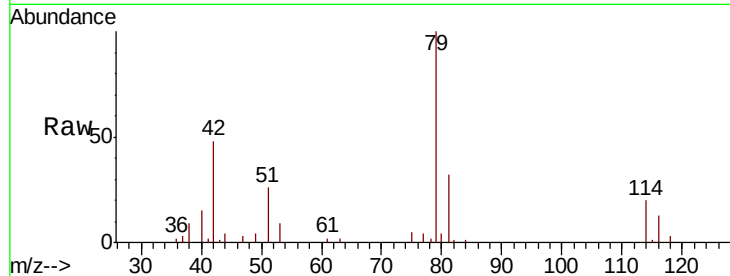
VBLK19

Tot Ion: 75 Resp: 932

Ion Ratio Lower Upper

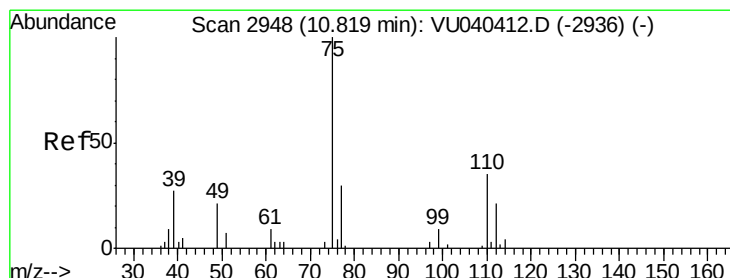
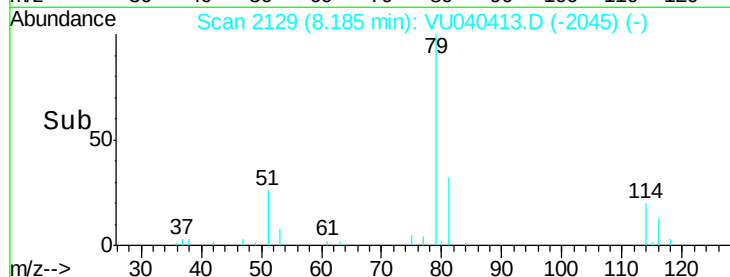
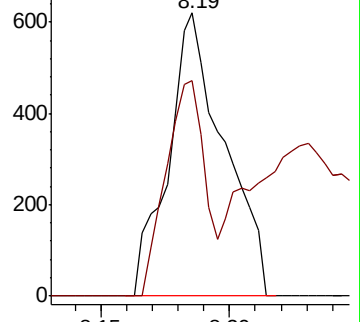
75 100

77 76.0 22.3 41.3#



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: 0.923 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040413.D

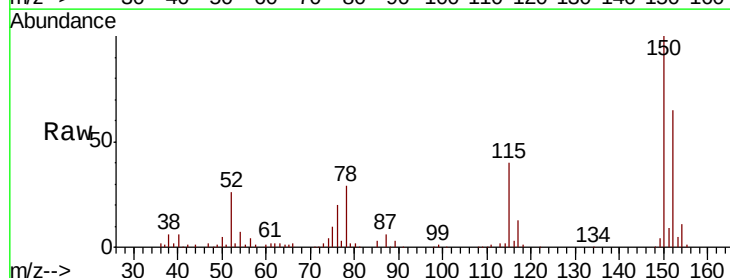
Acq: 01 Oct 2020 10:40

Tgt Ion: 75 Resp: 7997

Ion Ratio Lower Upper

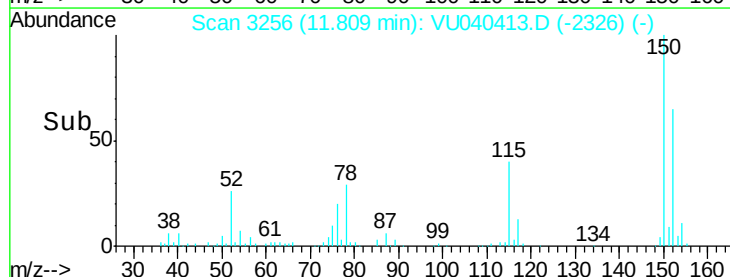
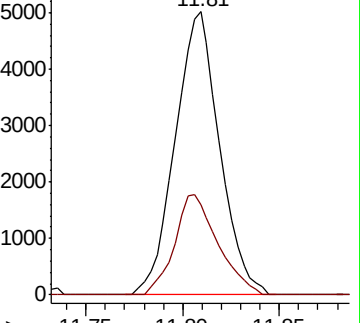
75 100

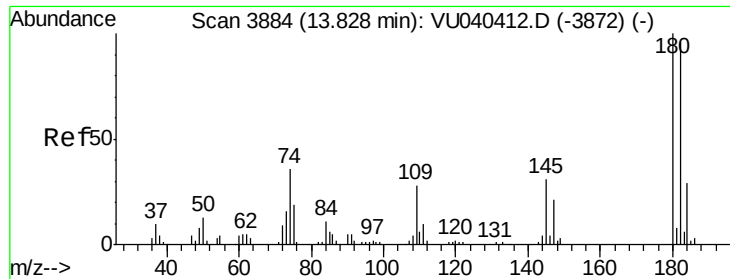
77 34.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#68

1,2,4-trichlorobenzene

Concen: 0.041 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU040413.D

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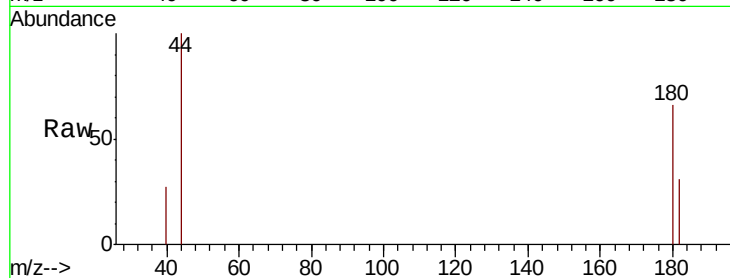
Tot Ion:180 Resp: 442

Ion Ratio Lower Upper

180 100

182 61.1 76.6 115.0#

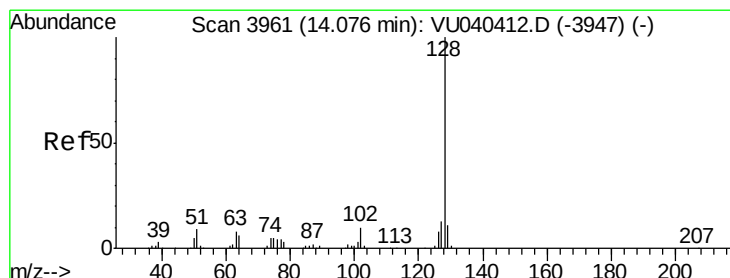
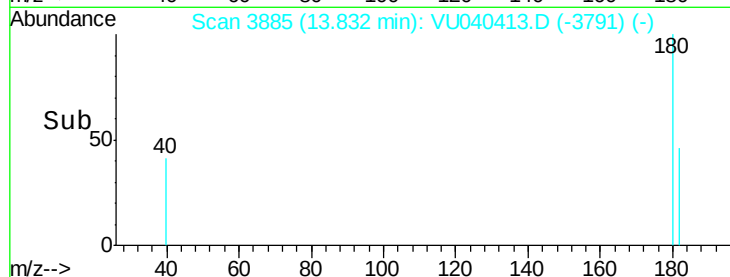
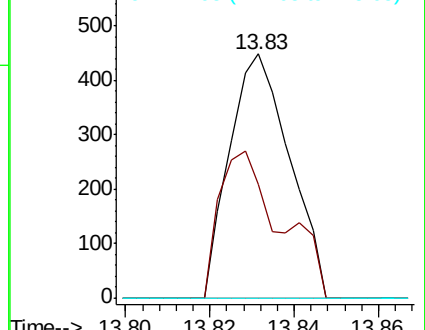
145 0.0 26.3 39.5#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#69

Naphthalene

Concen: 0.046 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040413.D

Acq: 01 Oct 2020 10:40

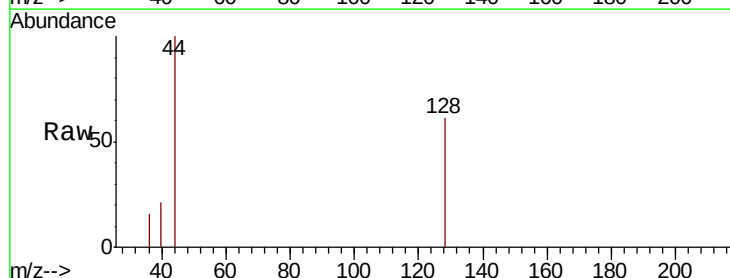
Tgt Ion:128 Resp: 831

Ion Ratio Lower Upper

128 100

129 0.0 8.2 12.4#

127 0.0 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

