

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092120\
 Data File : VU040241.D
 Acq On : 21 Sep 2020 18:08
 Operator : SY/MD
 Sample : VIBLK62
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK62

Quant Time: Sep 22 07:16:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 22 07:07:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116550	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115732	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51667	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36140	5.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.60%
7) Chloroethane-d5	1.93	69	32983	6.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	124.40%
11) 1,1-Dichloroethene-d2	2.58	63	63138	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	4.66	46	161517	63.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.92%
24) Chloroform-d	5.08	84	79384	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.72	65	51133	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.75	84	151889	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.70	67	50229	5.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.80%
41) Toluene-d8	7.91	98	128729	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	8.19	79	19851	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	119304	61.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43937	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50873	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

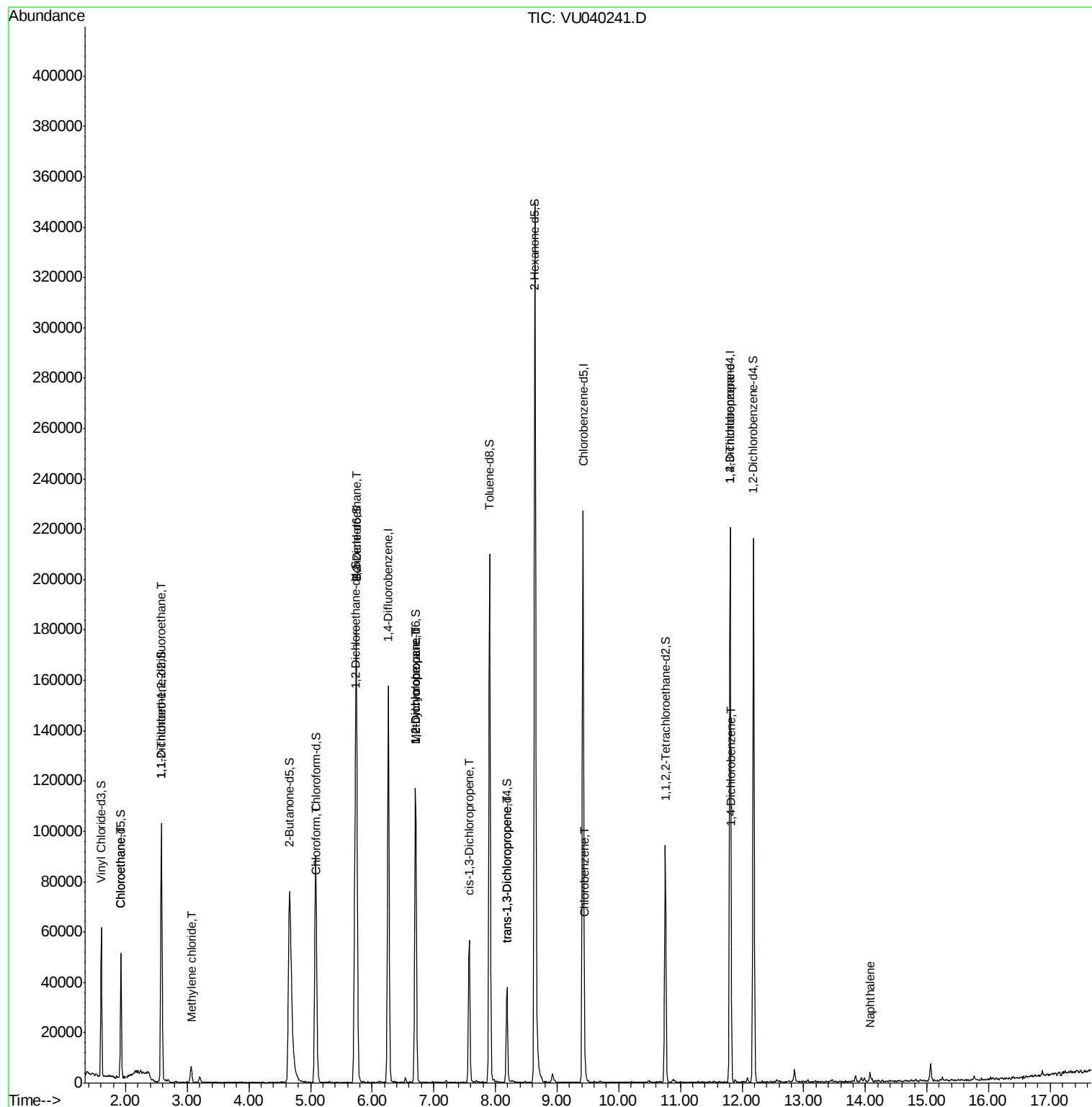
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.92	64	206	0.031	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	500	0.048	ug/L #	22
16) Methylene chloride	3.07	84	2578	0.218	ug/L	96
25) Chloroform	5.11	83	2384	0.117	ug/L	93
27) 1,2-Dichloroethane	5.74	62	799	0.053	ug/L #	78
35) Methylcyclohexane	6.70	83	11422	0.672	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5592	0.499	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1446	0.087	ug/L #	65
44) trans-1,3-Dichloropropene	8.18	75	1225	0.080	ug/L	95
51) Chlorobenzene	9.45	112	3829	0.145	ug/L	94
59) 1,2,3-Trichloropropane	11.81	75	8562	1.031	ug/L #	87
63) 1,4-Dichlorobenzene	11.83	146	900	0.047	ug/L	93
69) Naphthalene	14.08	128	3034	0.127	ug/L	96

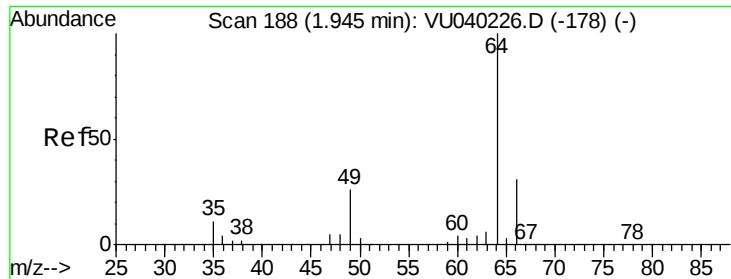
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 22 07:07:10 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.031 ug/L

RT: 1.92 min Scan# 179

Delta R.T. -0.03 min

Lab File: VU040241.D

Acq: 21 Sep 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

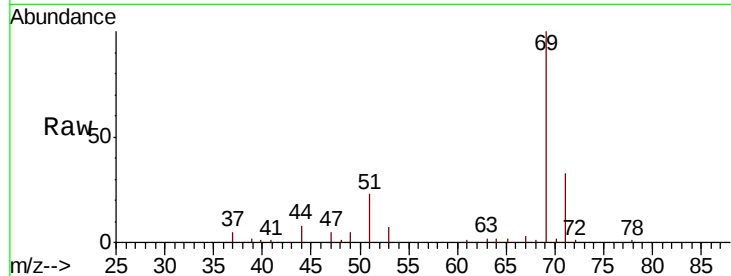
VIBLK62

Tot Ion: 64 Resp: 206

Ion Ratio Lower Upper

64 100

66 0.0 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU040226.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU040226.D (-178) (-)

1.92

400

300

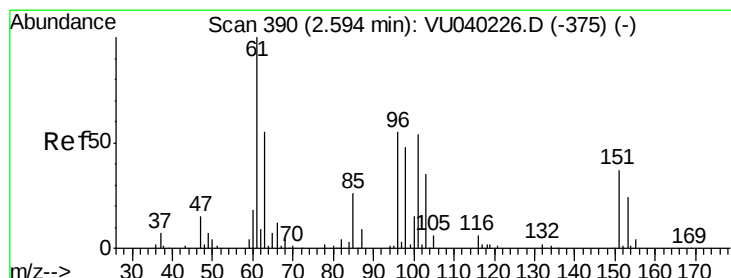
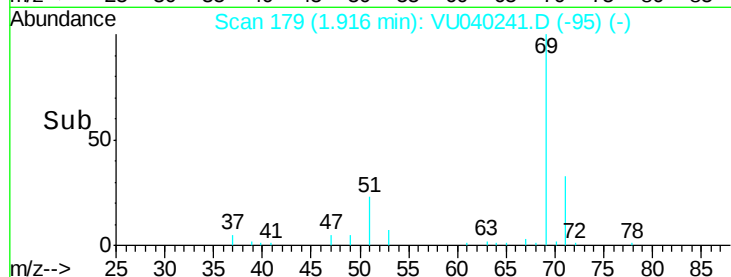
200

100

0

1.90 1.92 1.94

Time-->



#10

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

Concen: 0.048 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040241.D

Acq: 21 Sep 2020 18:08

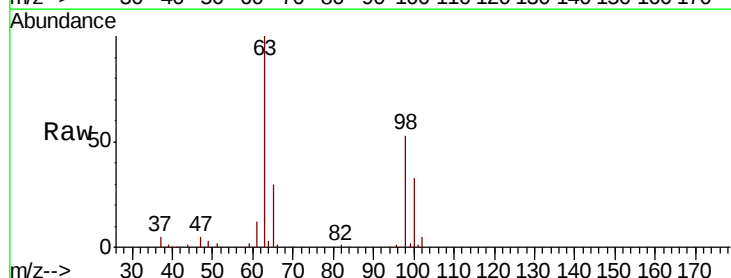
Tgt Ion: 101 Resp: 500

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): VU040226.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VU040226.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VU040226.D (-375) (-)

2.58

500

400

300

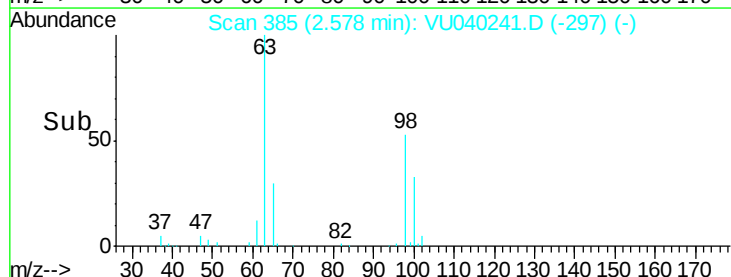
200

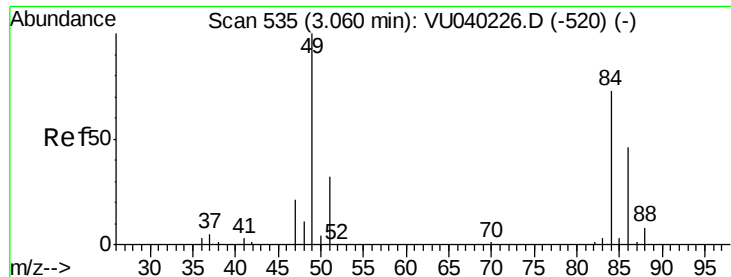
100

0

2.56 2.58 2.60

Time-->

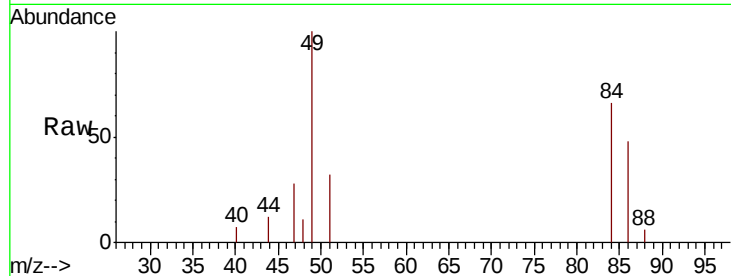




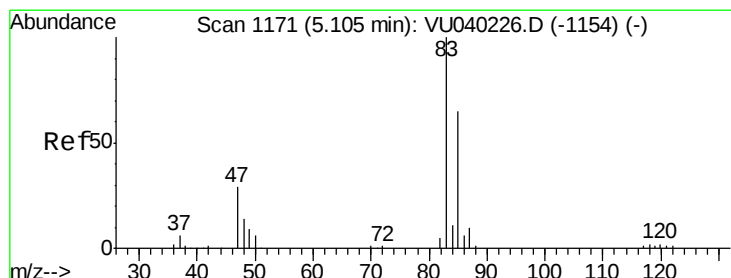
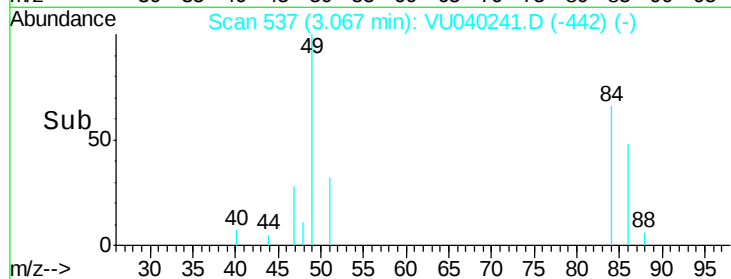
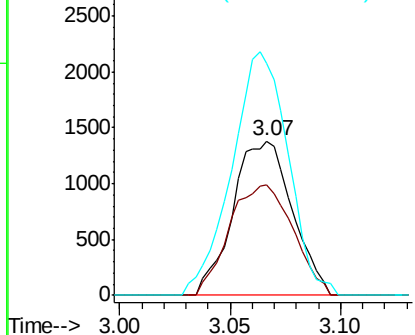
#16
Methvlene chloride
Concen: 0.218 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU040241.D
Acq: 21 Sep 2020 18:08

Instrument :
MSVOA_U
ClientSampleId :
VIBLK62

Tot Ion: 84 Resp: 2578
Ion Ratio Lower Upper
84 100
86 71.9 45.2 84.0
49 150.4 104.0 193.2

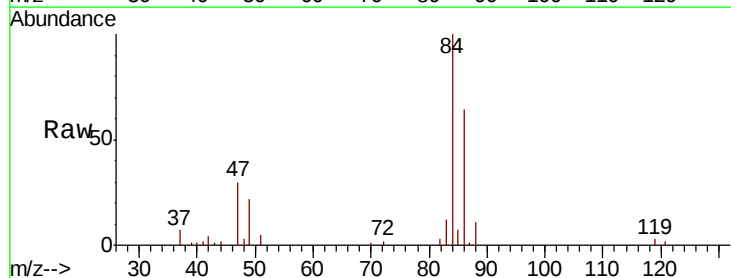


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

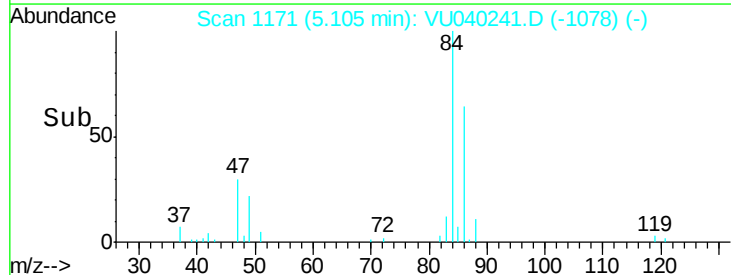
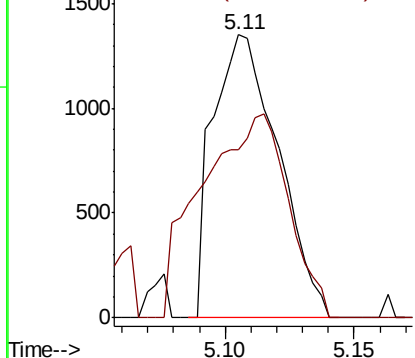


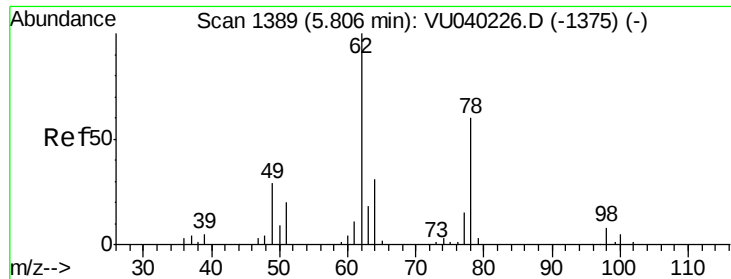
#25
Chloroform
Concen: 0.117 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040241.D
Acq: 21 Sep 2020 18:08

Tgt Ion: 83 Resp: 2384
Ion Ratio Lower Upper
83 100
85 59.4 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

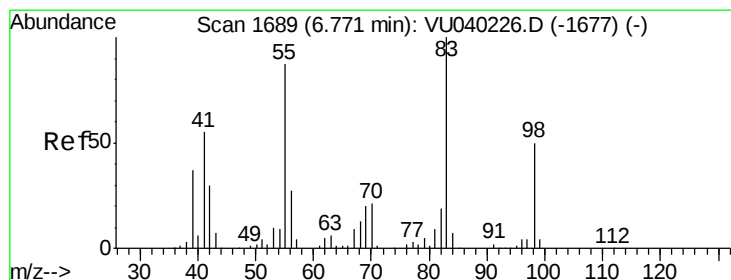
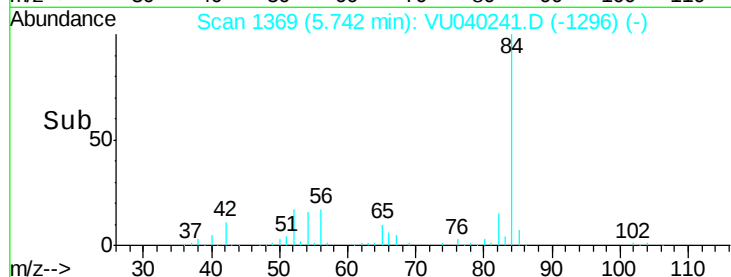
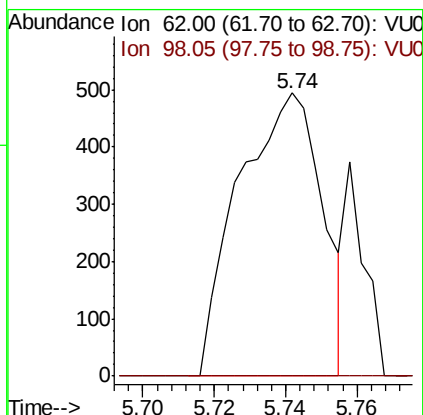
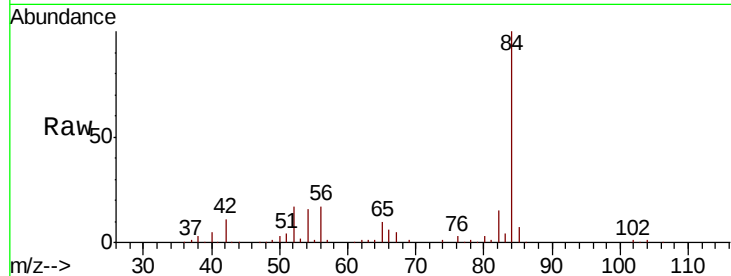




#27
 1,2-Dichloroethane
 Concen: 0.053 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU040241.D
 Acq: 21 Sep 2020 18:08

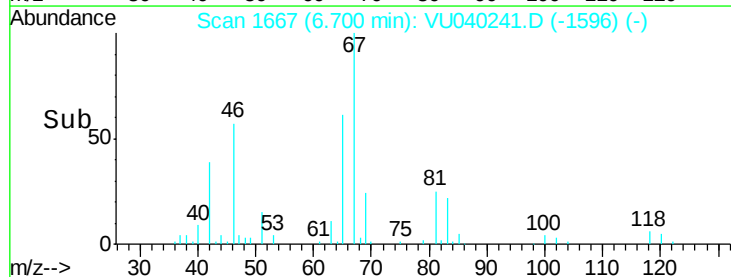
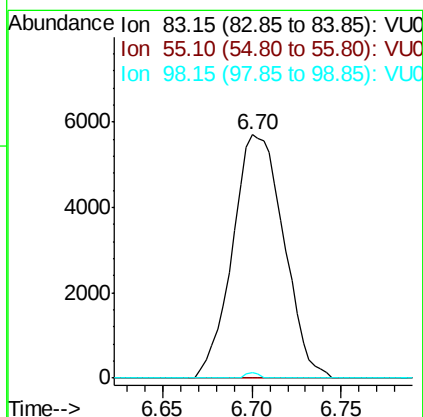
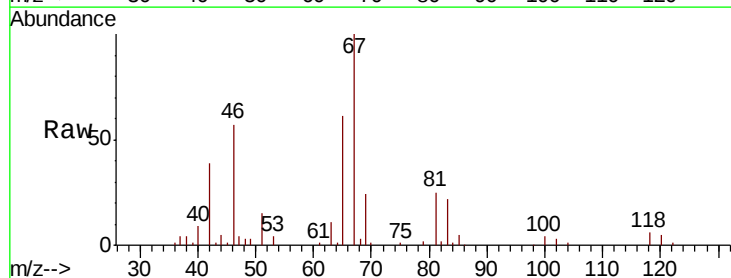
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK62

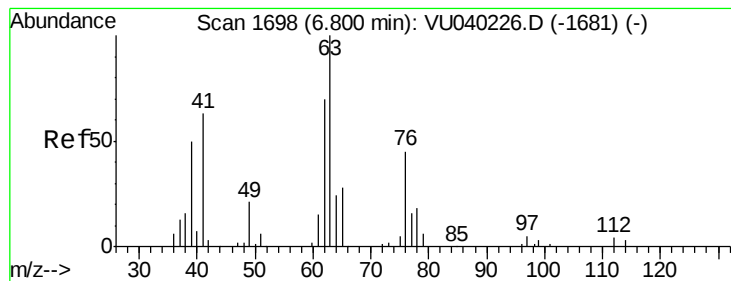
Tot Ion: 62 Resp: 799
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.1 9.1#



#35
 Methylcyclohexane
 Concen: 0.672 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU040241.D
 Acq: 21 Sep 2020 18:08

Tgt Ion: 83 Resp: 11422
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.5 105.7#
 98 0.6 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.499 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040241.D

Acq: 21 Sep 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

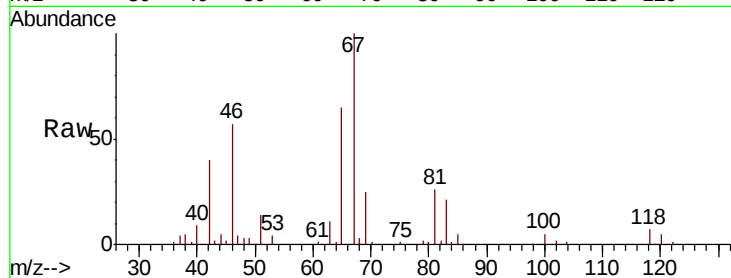
VIBLK62

Tot Ion: 63 Resp: 5592

Ion Ratio Lower Upper

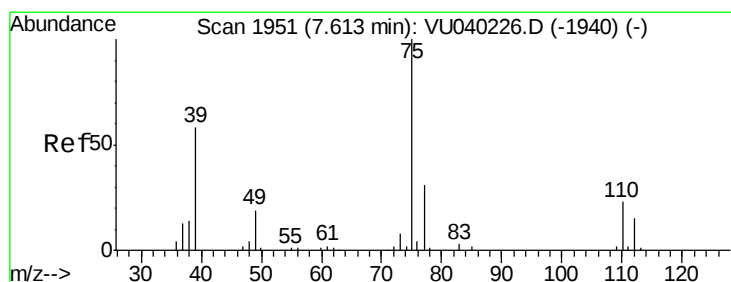
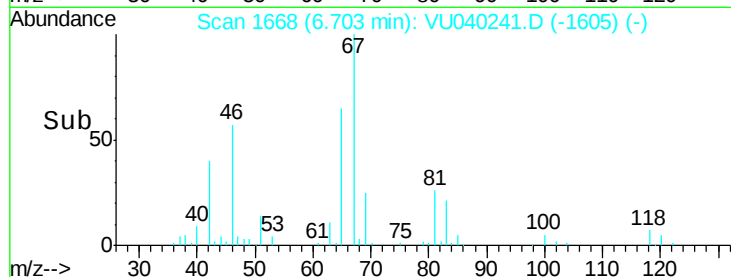
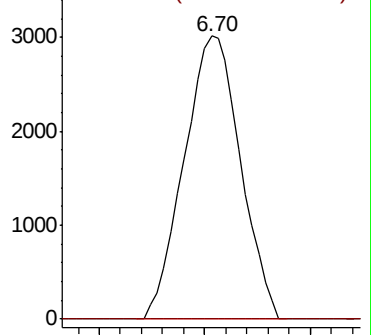
63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040226.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040226.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040241.D

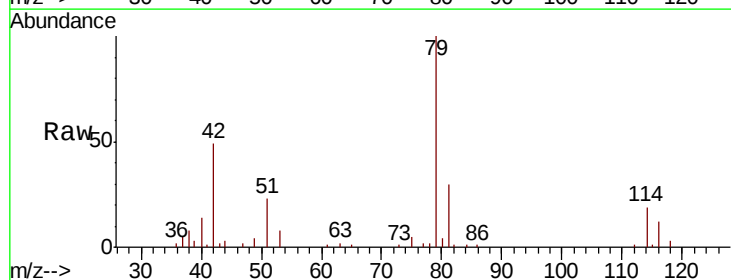
Acq: 21 Sep 2020 18:08

Tgt Ion: 75 Resp: 1446

Ion Ratio Lower Upper

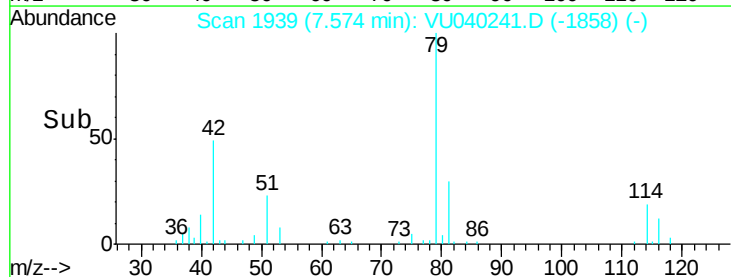
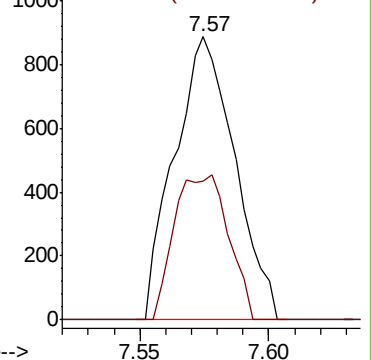
75 100

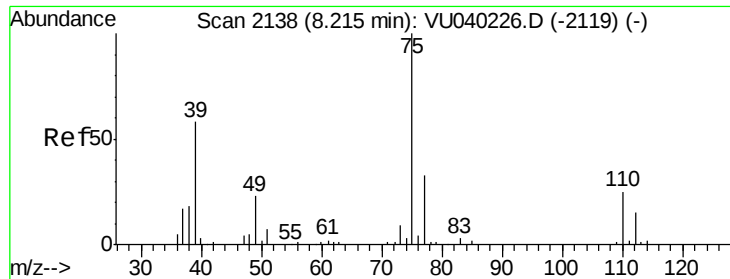
77 49.2 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040226.D (-1940) (-)

Ion 77.05 (76.75 to 77.75): VU040226.D (-1940) (-)

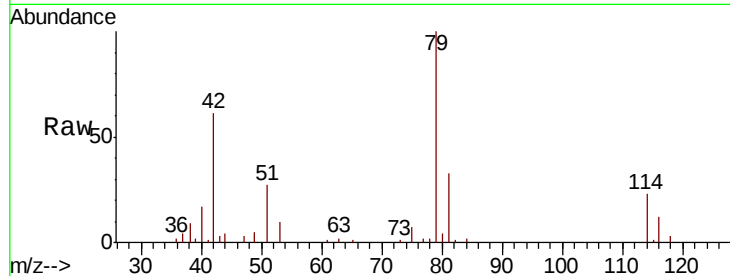




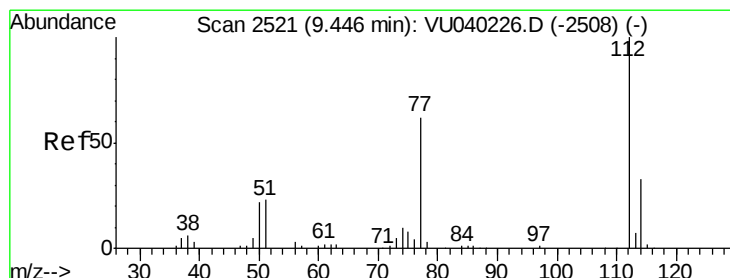
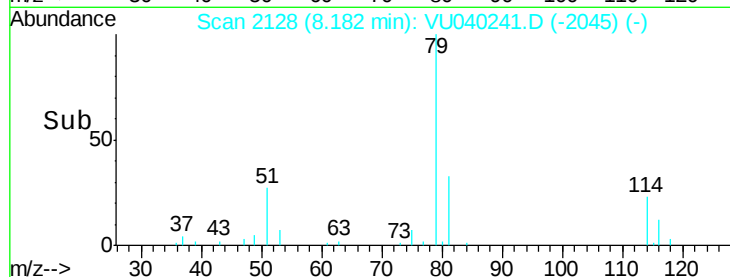
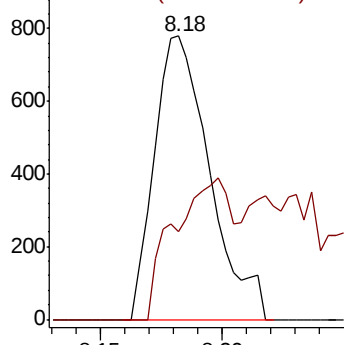
#44
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040241.D
Acq: 21 Sep 2020 18:08

Instrument :
MSVOA_U
ClientSampleId :
VIBLK62

Tot Ion: 75 Resp: 1225
Ion Ratio Lower Upper
75 100
77 31.2 23.9 44.3

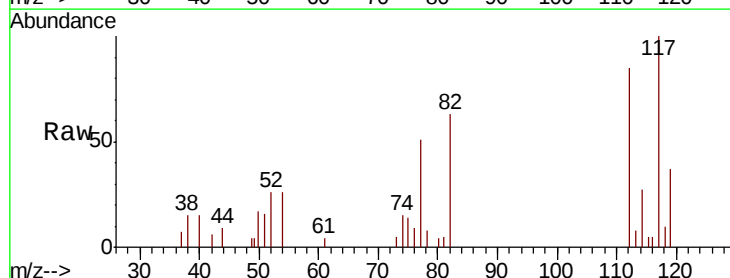


Abundance Ion 75.05 (74.75 to 75.75): VU040226.D (-2119) (-)
Ion 77.05 (76.75 to 77.75): VU040226.D (-2119) (-)

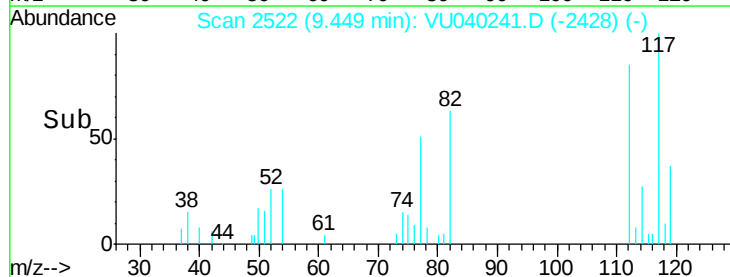
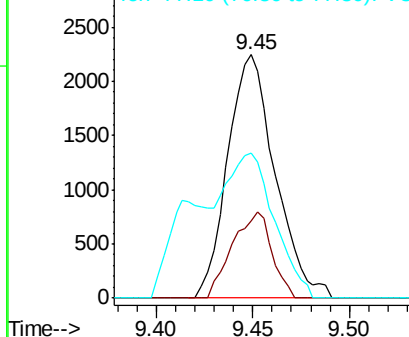


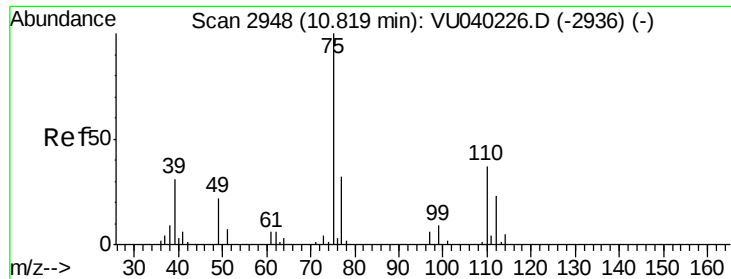
#51
Chlorobenzene
Concen: 0.145 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040241.D
Acq: 21 Sep 2020 18:08

Tgt Ion: 112 Resp: 3829
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.3
77 59.7 53.2 79.8



Abundance Ion 112.10 (111.80 to 112.80): VU040226.D (-2508) (-)
Ion 114.05 (113.75 to 114.75): VU040226.D (-2508) (-)
Ion 77.10 (76.80 to 77.80): VU040226.D (-2508) (-)

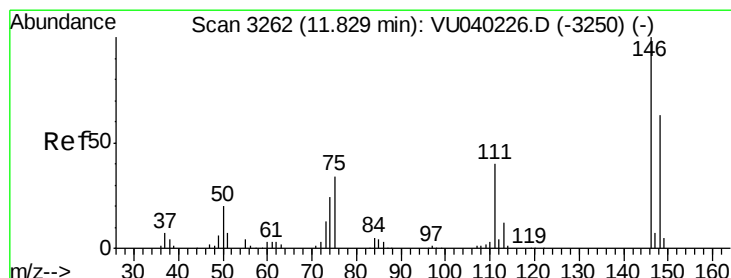
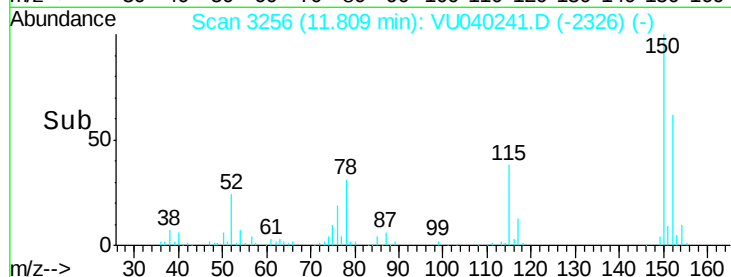
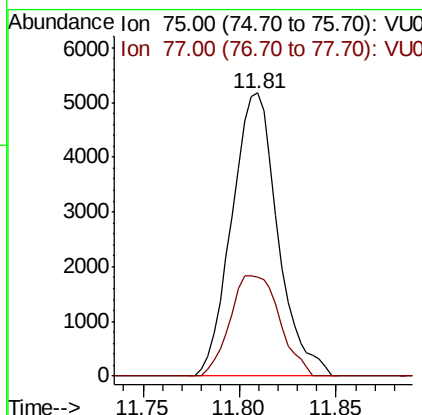
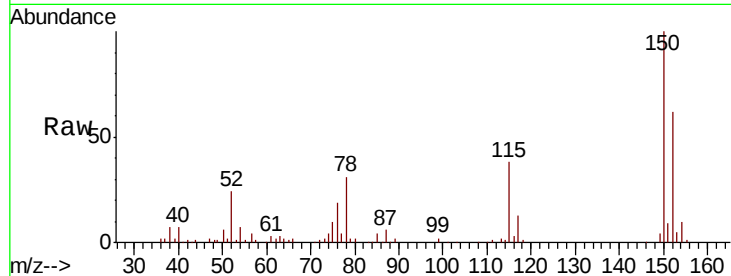




#59
 1,2,3-Trichloropropane
 Concen: 1.031 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU040241.D
 Acq: 21 Sep 2020 18:08

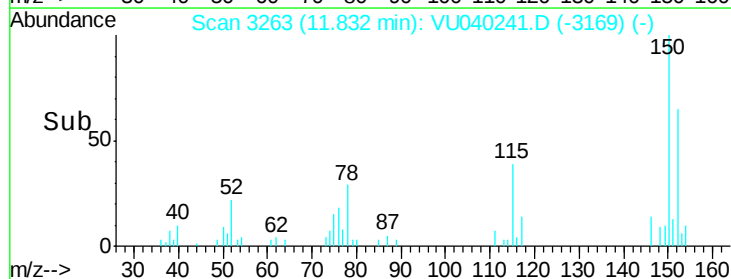
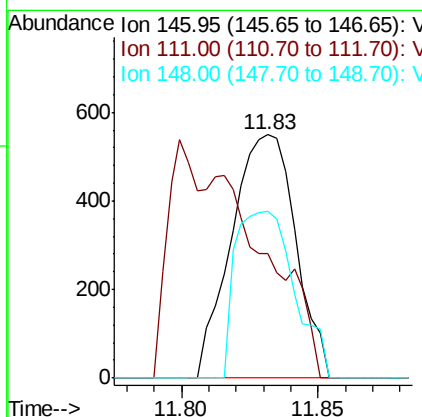
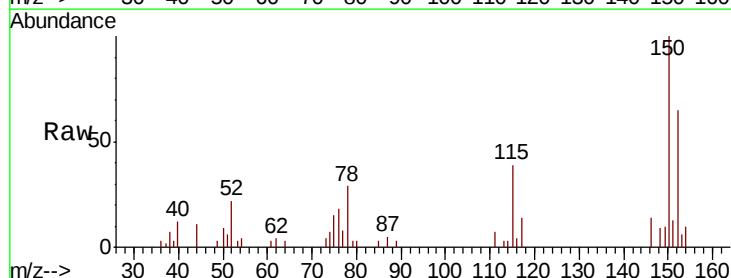
Instrument :
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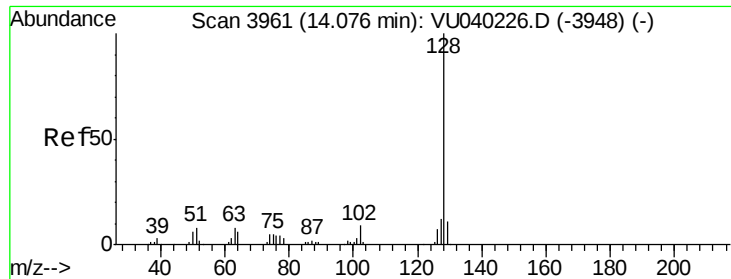
Tot Ion: 75 Resp: 8562
 Ion Ratio Lower Upper
 75 100
 77 38.2 24.9 37.3#



#63
 1,4-Dichlorobenzene
 Concen: 0.047 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040241.D
 Acq: 21 Sep 2020 18:08

Tgt Ion: 146 Resp: 900
 Ion Ratio Lower Upper
 146 100
 111 51.1 30.5 56.7
 148 68.4 45.4 84.4





#69

Naphthalene

Concen: 0.127 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040241.D

Acq: 21 Sep 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

VIBLK62

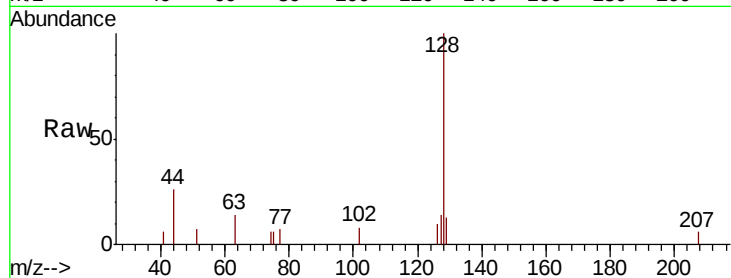
Tot Ion:128 Resp: 3034

Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

127 11.0 10.7 16.1



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

