

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040129.D
 Acq On : 14 Sep 2020 19:31
 Operator : SY/MD
 Sample : L4001-05MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 15 02:15:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 15 01:48:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	106823	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109184	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47063	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31177	5.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.00%
7) Chloroethane-d5	1.92	69	26121	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.58	63	74655	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.66	46	116529	49.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.90%
24) Chloroform-d	5.08	84	62290	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.72	65	37666	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.74	84	119593	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	38700	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.91	98	94562	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.19	79	16551	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.64	63	85408	46.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.42%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	34593	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	38500	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	101743	9.888	ug/L 97
8) Chloroethane	1.94	64	1217	0.197	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	429	0.045	ug/L # 22
12) 1,1-Dichloroethene	2.59	96	41043	4.965	ug/L 90
25) Chloroform	5.10	83	1991	0.106	ug/L 99
27) 1,2-Dichloroethane	5.79	62	1733	0.126	ug/L # 78
33) Benzene	5.79	78	168299	4.309	ug/L 100
34) Trichloroethene	6.55	95	43881	4.188	ug/L 96
35) Methylcyclohexane	6.70	83	8989	0.560	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	4953	0.468	ug/L # 88
39) cis-1,3-Dichloropropene	7.58	75	1150	0.074	ug/L # 52
42) Toluene	7.98	91	171860	4.272	ug/L 99
44) trans-1,3-Dichloropropene	8.19	75	767	0.053	ug/L # 64
51) Chlorobenzene	9.45	112	111456	4.463	ug/L 99
59) 1,2,3-Trichloropropane	11.81	75	7266	0.927	ug/L # 83

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 15 01:48:35 2020
Response via : Initial Calibration

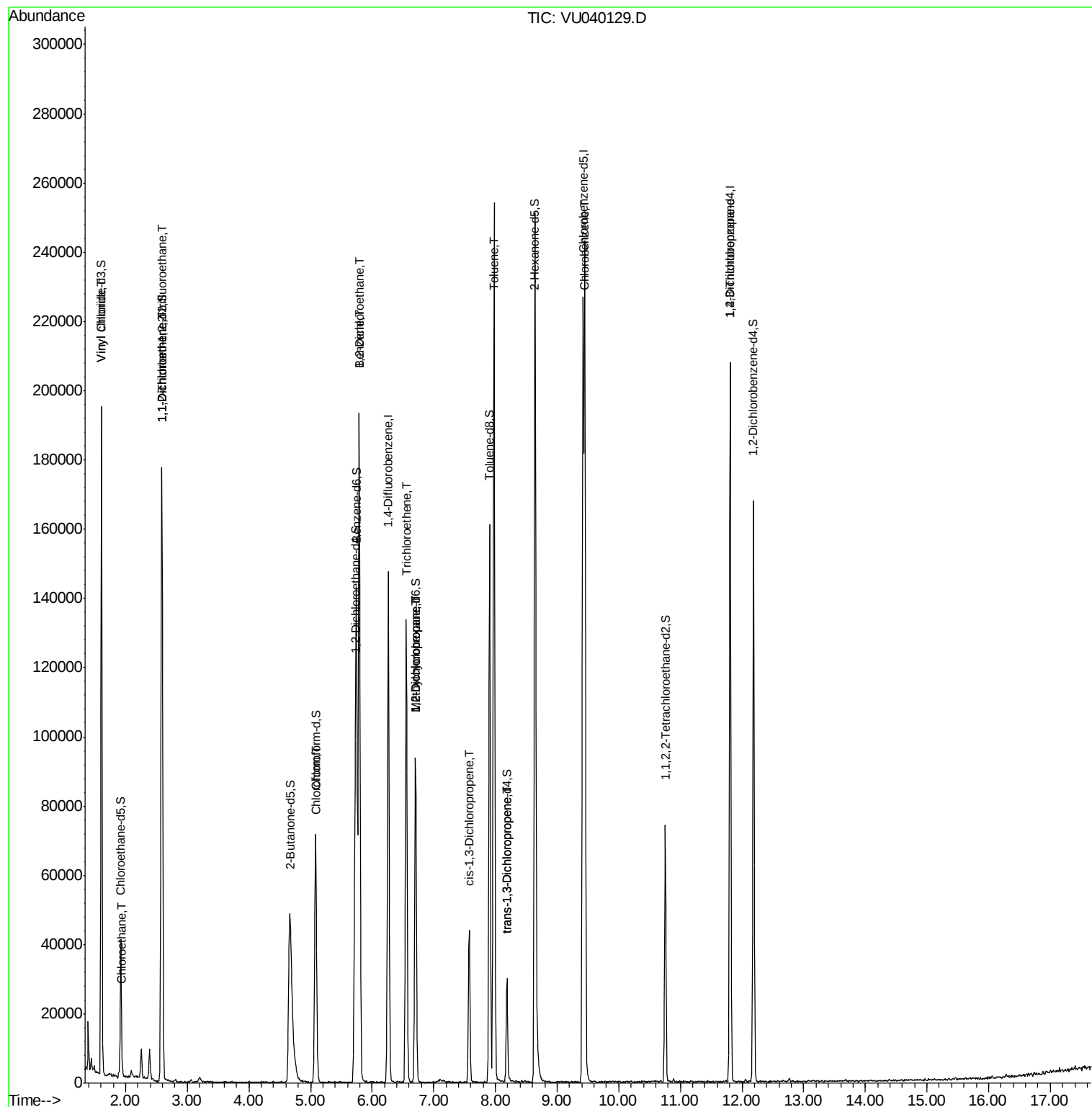
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

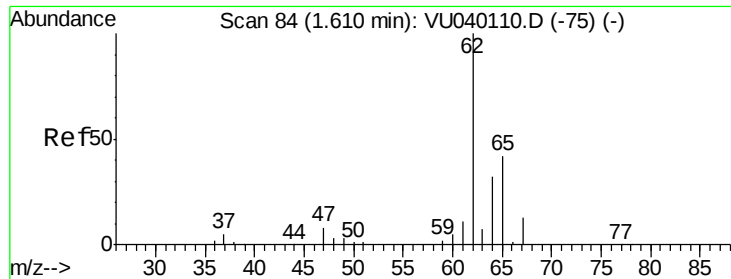
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.888 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040129.D

Acq: 14 Sep 2020 19:31

Instrument :

MSVOA_U

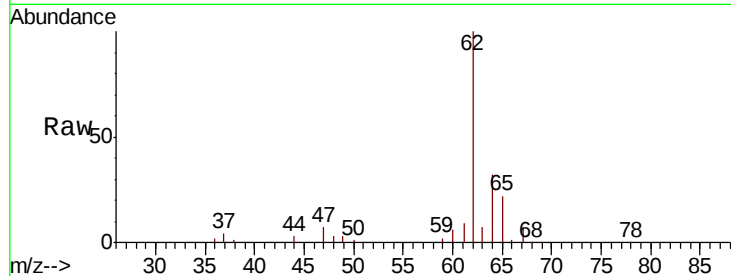
ClientSampleId :

Tot Ion: 62 Resp: 101743

Ion Ratio Lower Upper

62 100

64 32.3 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

100000

80000

60000

40000

20000

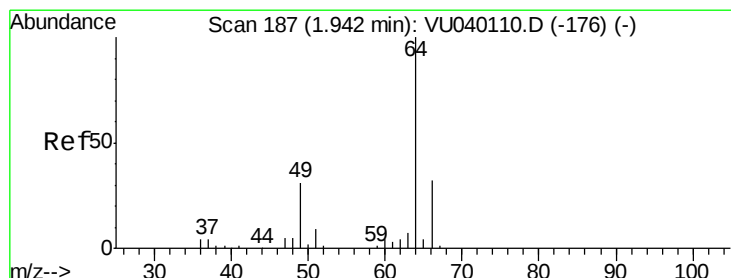
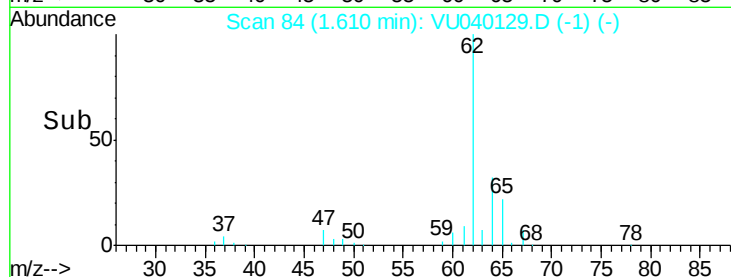
0

1.55

1.60

1.65

Time-->



#8

Chloroethane

Concen: 0.197 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040129.D

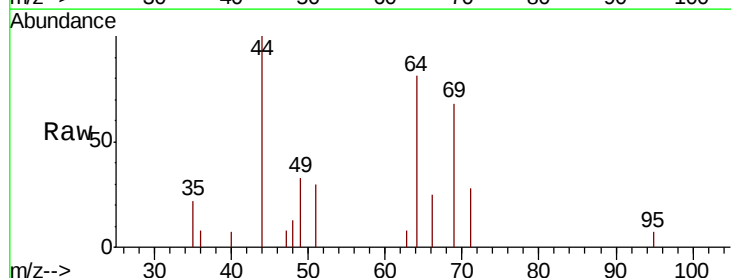
Acq: 14 Sep 2020 19:31

Tgt Ion: 64 Resp: 1217

Ion Ratio Lower Upper

64 100

66 31.5 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1500

1000

500

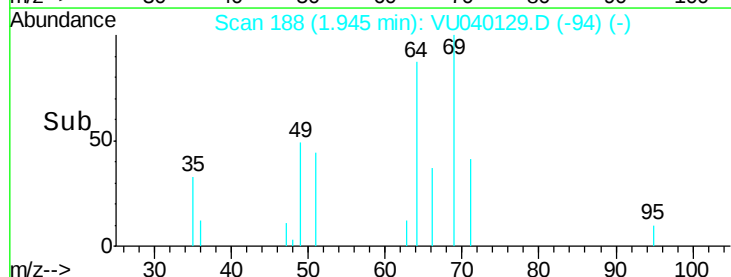
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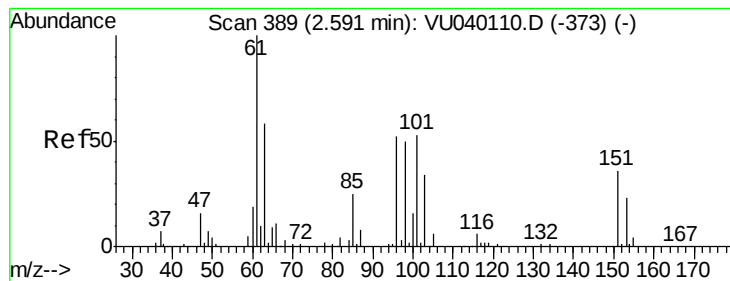
1.92

1.94

1.96

Time-->





#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040129.D

Acq: 14 Sep 2020 19:31

Instrument :

MSVOA_U

ClientSampleId :

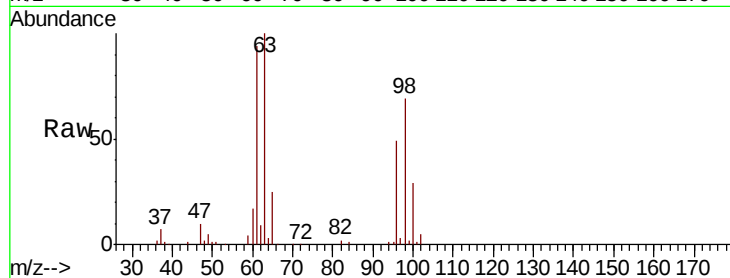
Tot Ion:101 Resp: 429

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

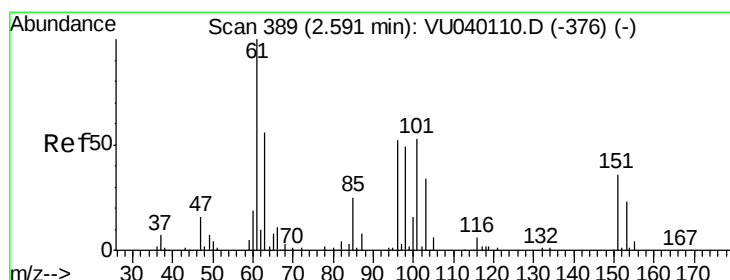
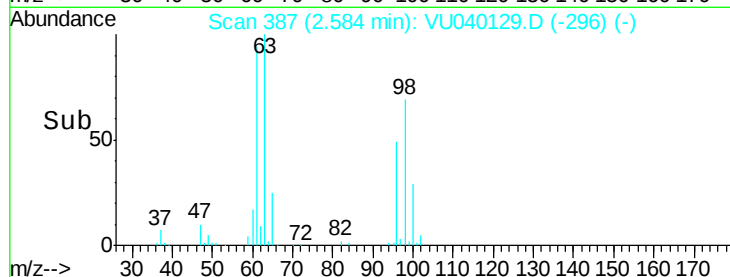
2.58

200

100

0

Time--> 2.54 2.56 2.58 2.60 2.62



#12

1,1-Dichloroethene

Concen: 4.965 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040129.D

Acq: 14 Sep 2020 19:31

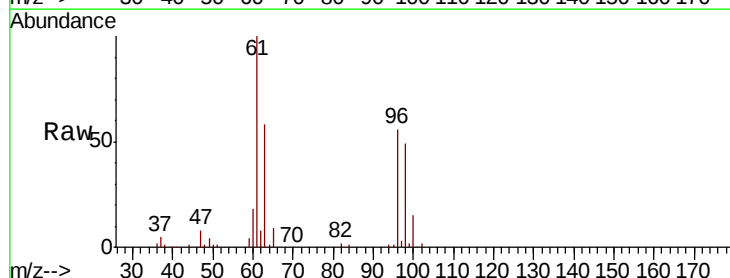
Tgt Ion: 96 Resp: 41043

Ion Ratio Lower Upper

96 100

61 179.1 138.3 256.8

63 103.1 77.6 144.2



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

2.59

40000

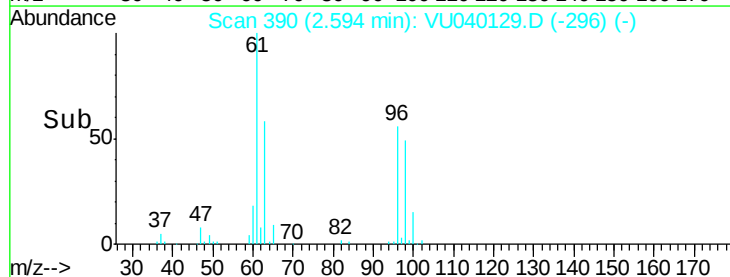
30000

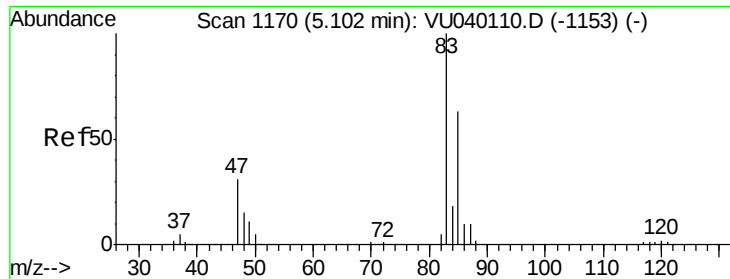
20000

10000

0

Time--> 2.55 2.60 2.65

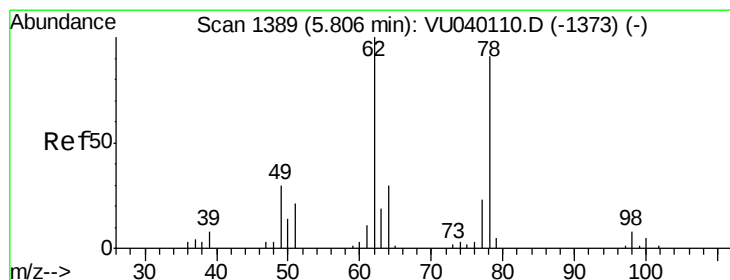
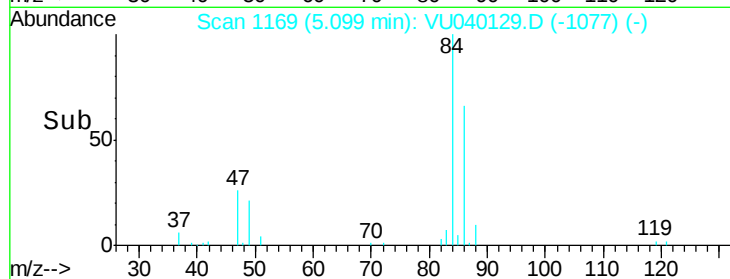
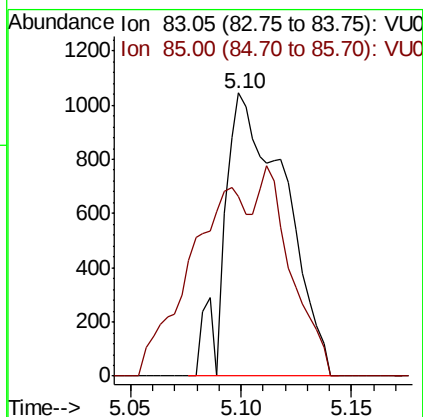
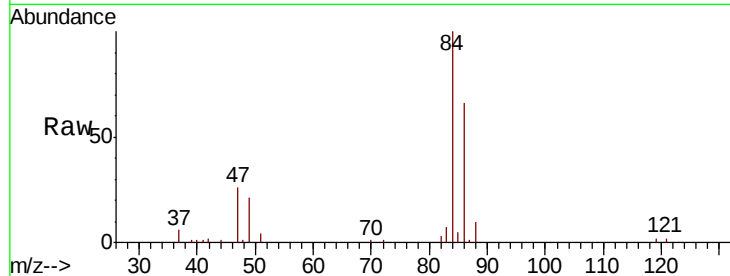




#25
Chloroform
Concen: 0.106 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VU040129.D
Acq: 14 Sep 2020 19:31

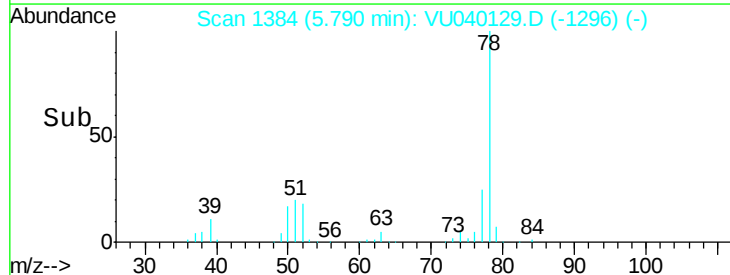
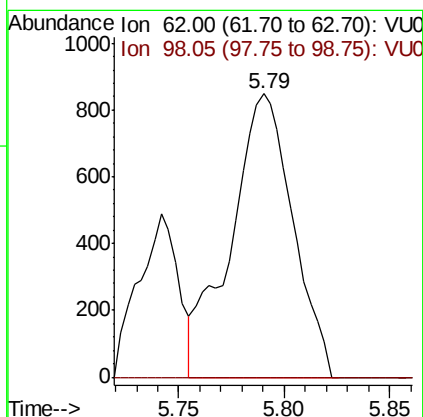
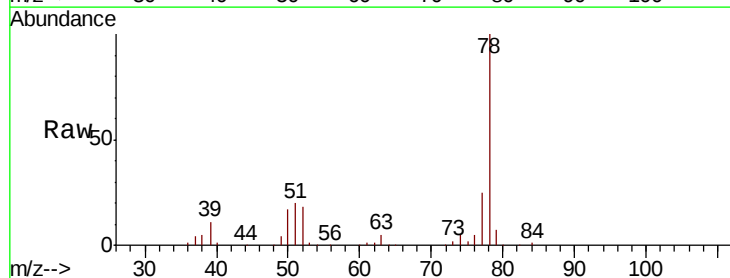
Instrument :
MSVOA_U
ClientSampleId :

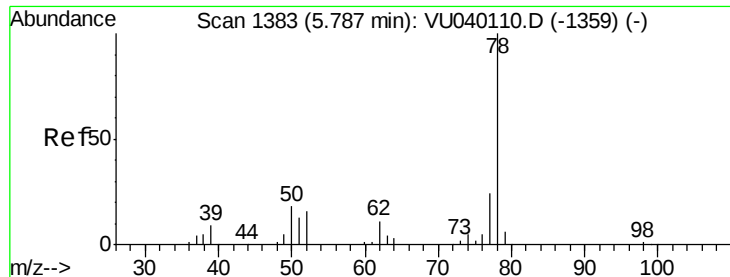
Tot Ion: 83 Resp: 1991
Ion Ratio Lower Upper
83 100
85 63.6 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.126 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU040129.D
Acq: 14 Sep 2020 19:31

Tgt Ion: 62 Resp: 1733
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#

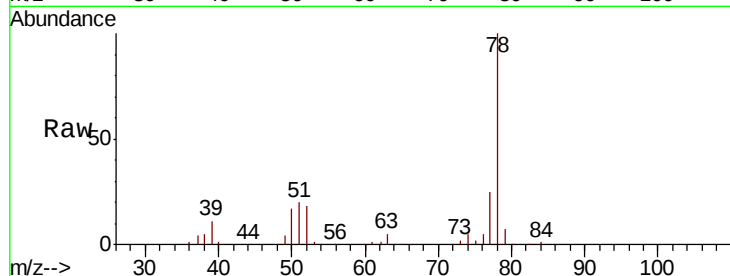




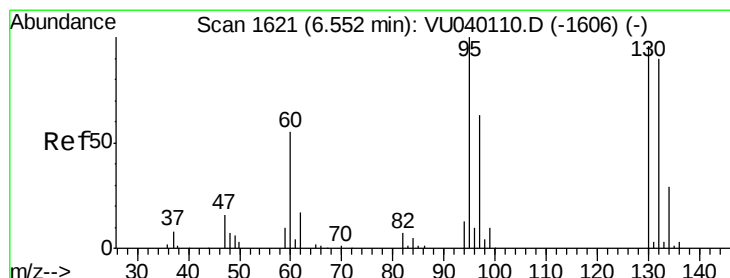
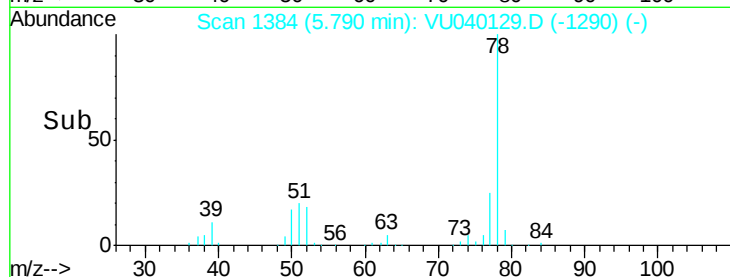
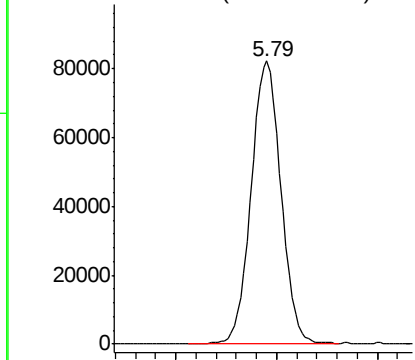
#33
Benzene
Concen: 4.309 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040129.D
Acq: 14 Sep 2020 19:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 168299

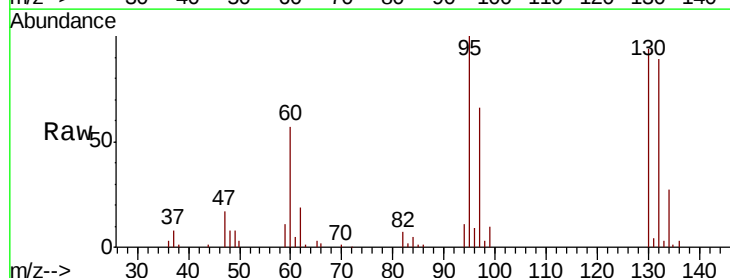


Abundance Ion 78.10 (77.80 to 78.80): VU0



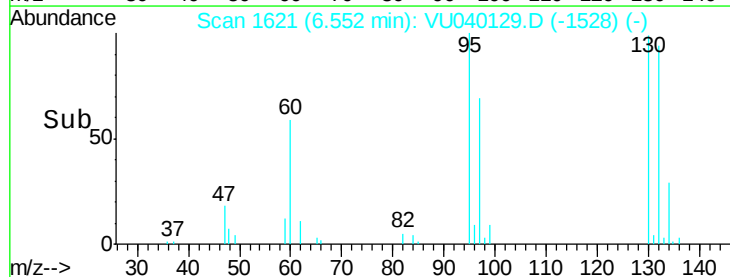
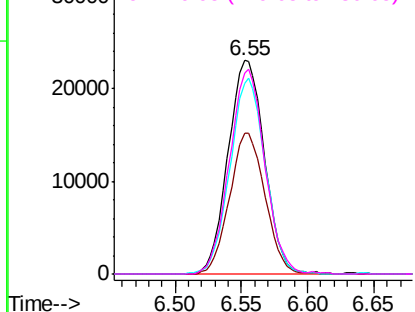
#34
Trichloroethene
Concen: 4.188 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU040129.D
Acq: 14 Sep 2020 19:31

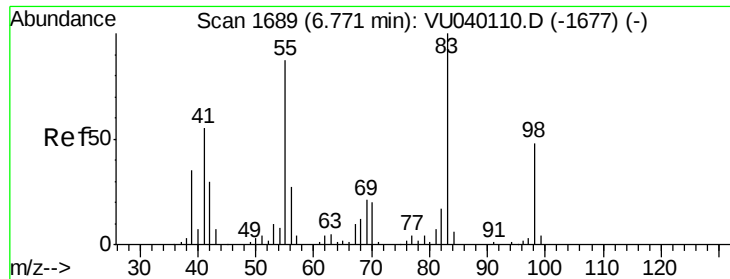
Tgt Ion: 95 Resp: 43881
Ion Ratio Lower Upper
95 100
97 65.7 43.3 80.5
132 89.3 59.4 110.4
130 94.2 64.8 120.4



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): VU0
Ion 129.95 (129.65 to 130.65): VU0

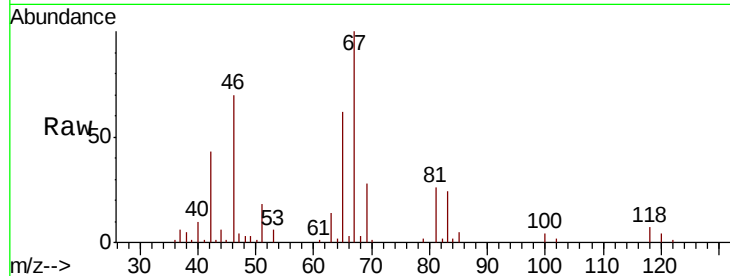




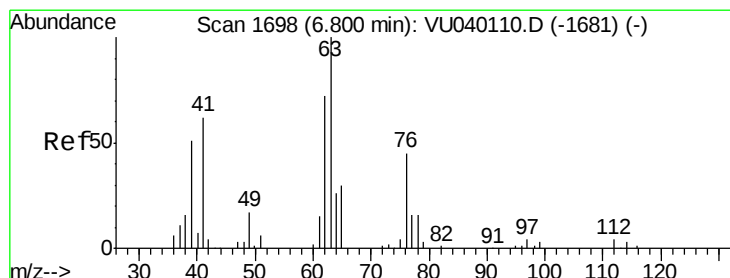
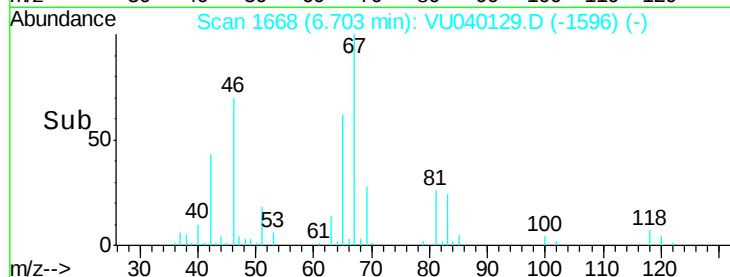
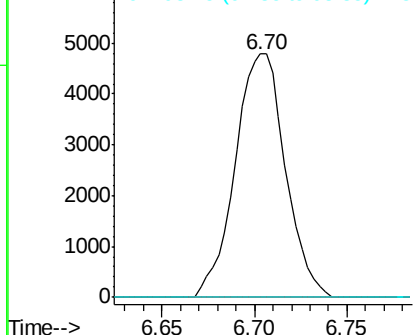
#35
Methvlcvclohexane
Concen: 0.560 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040129.D
Acq: 14 Sep 2020 19:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 8989
Ion Ratio Lower Upper
83 100
55 0.0 70.5 105.7#
98 0.0 37.8 56.6#

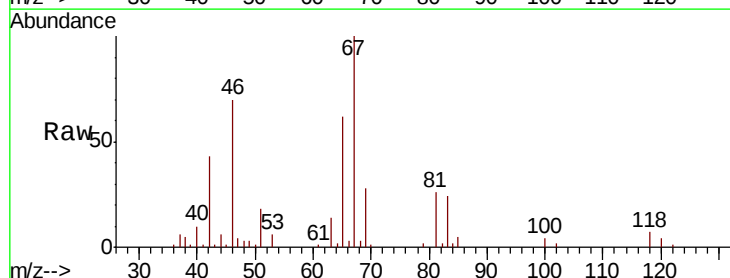


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

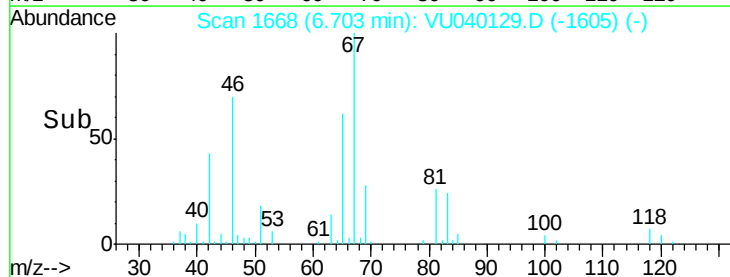
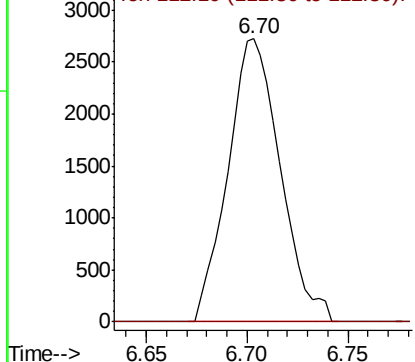


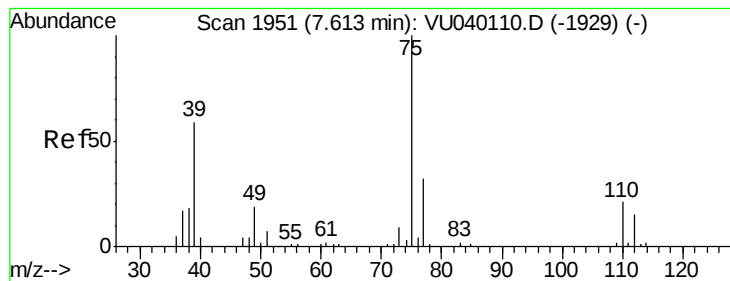
#37
1,2-Dichloropropane
Concen: 0.468 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040129.D
Acq: 14 Sep 2020 19:31

Tgt Ion: 63 Resp: 4953
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



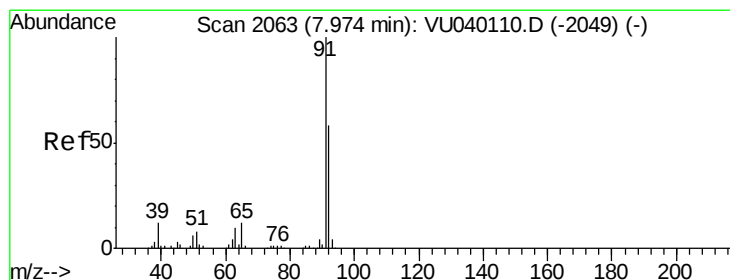
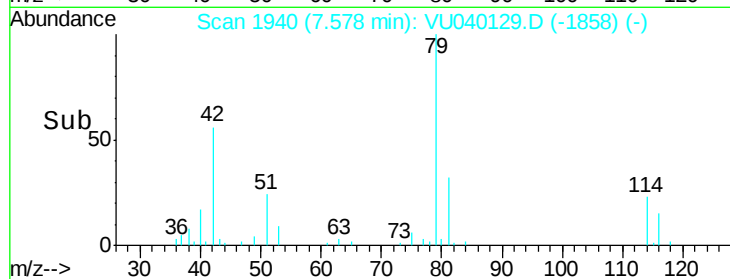
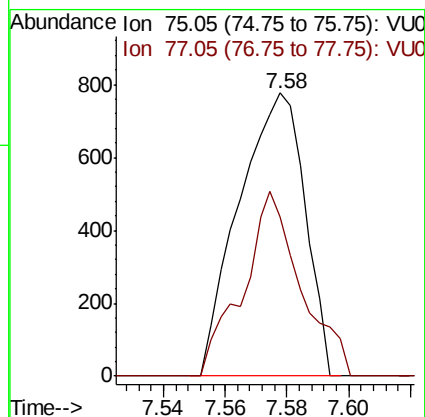
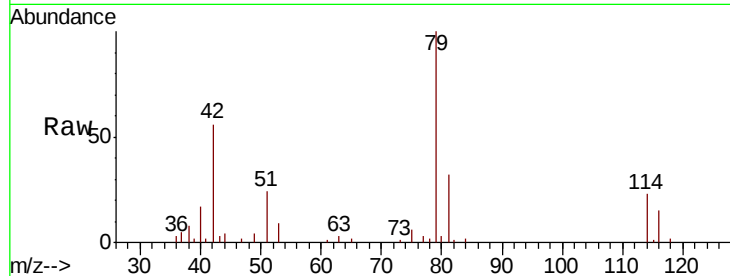


#39

cis-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040129.D
 Acq: 14 Sep 2020 19:31

Instrument :
 MSVOA_U
 ClientSampleId :

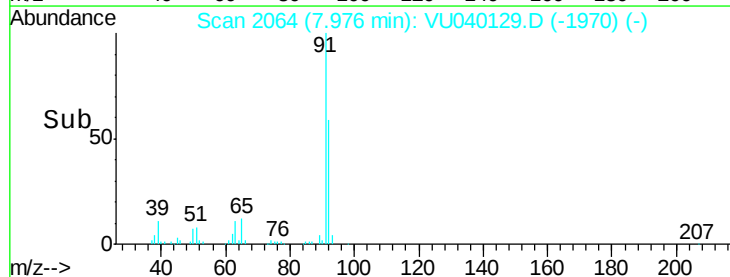
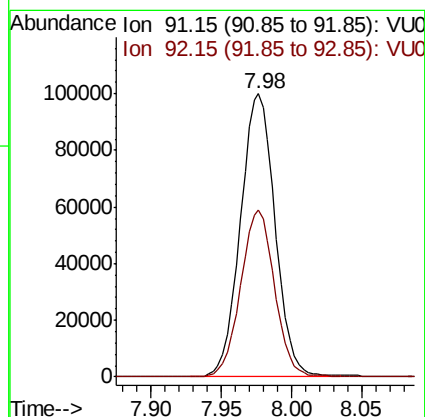
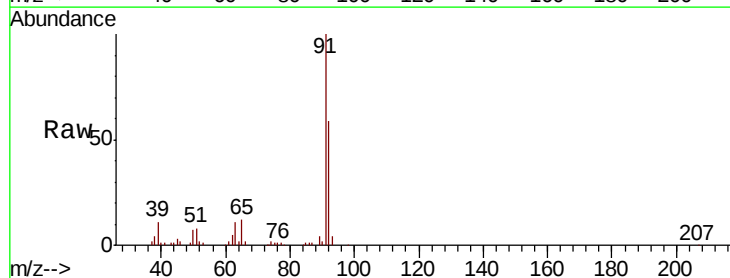
Tot Ion: 75 Resp: 1150
 Ion Ratio Lower Upper
 75 100
 77 56.4 21.1 39.3#

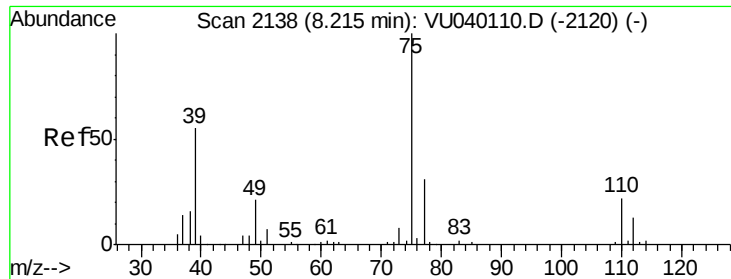


#42

Toluene
 Concen: 4.272 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040129.D
 Acq: 14 Sep 2020 19:31

Tgt Ion: 91 Resp: 171860
 Ion Ratio Lower Upper
 91 100
 92 58.8 40.7 75.5

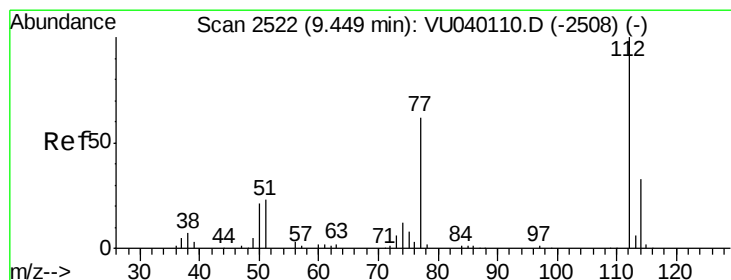
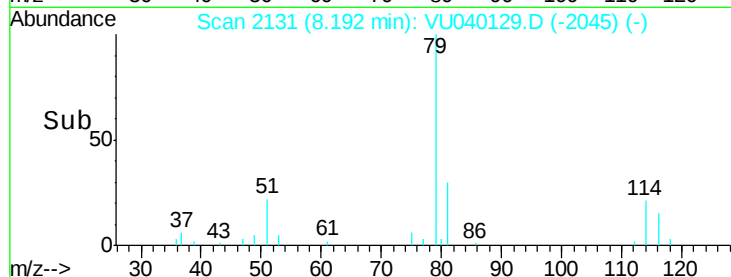
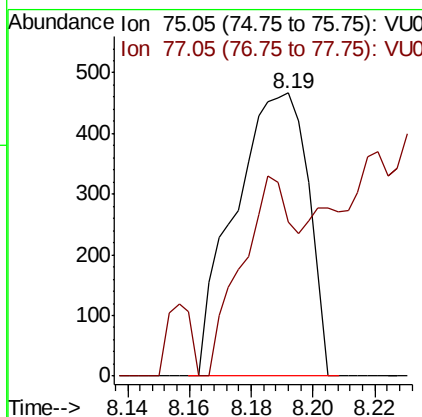
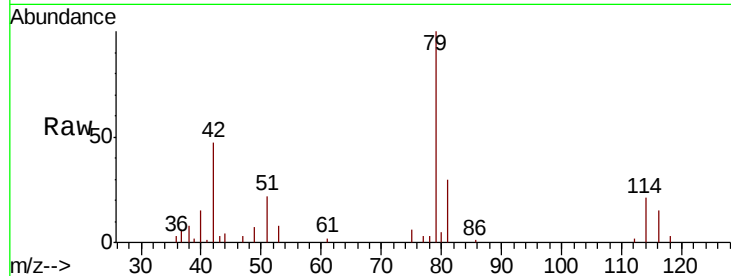




#44
trans-1,3-Dichloropropene
Concen: 0.053 ug/L
RT: 8.19 min Scan# 2131
Delta R.T. -0.02 min
Lab File: VU040129.D
Acq: 14 Sep 2020 19:31

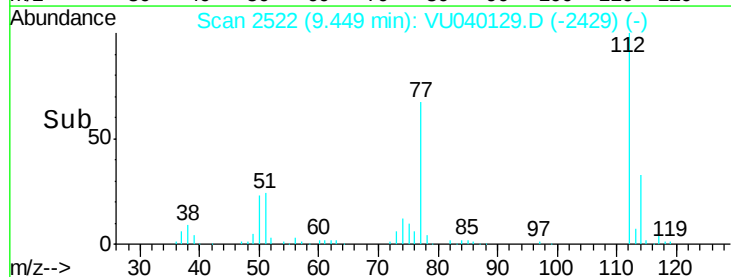
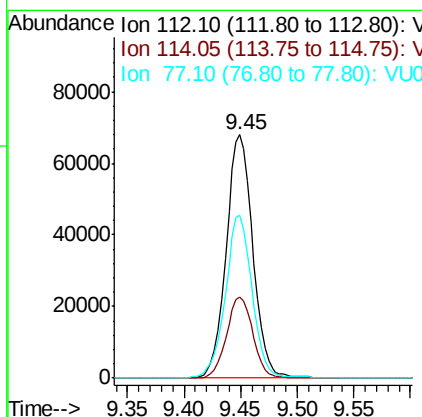
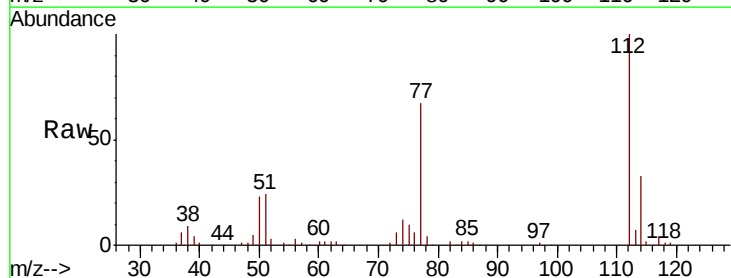
Instrument :
MSVOA_U
ClientSampleId :

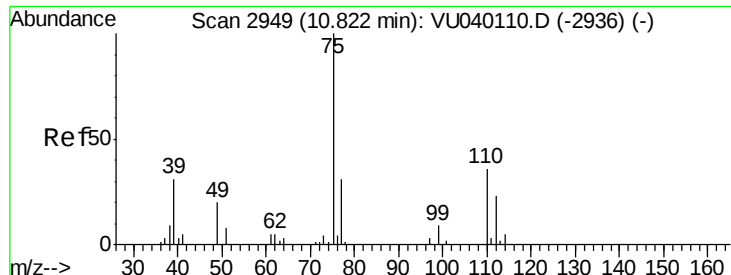
Tot Ion: 75 Resp: 767
Ion Ratio Lower Upper
75 100
77 54.6 23.9 44.3#



#51
Chlorobenzene
Concen: 4.463 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040129.D
Acq: 14 Sep 2020 19:31

Tgt Ion: 112 Resp: 111456
Ion Ratio Lower Upper
112 100
114 33.1 22.7 42.3
77 67.1 53.2 79.8





#59

1,2,3-Trichloropropane

Concen: 0.927 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040129.D

Acq: 14 Sep 2020 19:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7266

Ion Ratio Lower Upper

75 100

77 40.3 24.9 37.3#

