

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039390.D
 Acq On : 09 Jul 2020 12:24
 Operator : SY/MD
 Sample : L3244-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4B14

Quant Time: Jul 10 00:20:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	99408	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	92620	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44915	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	29195	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.93	69	29570	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.58	63	45475	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	4.66	46	149019	56.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.06%
24) Chloroform-d	5.08	84	66830	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.72	65	43950	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.20%
32) Benzene-d6	5.75	84	129720	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.40%
36) 1,2-Dichloropropane-d6	6.70	67	45652	5.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.60%
41) Toluene-d8	7.91	98	112587	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
43) trans-1,3-Dichloropropene-	8.19	79	17610	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.64	63	110352	53.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.56%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	41484	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	46047	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

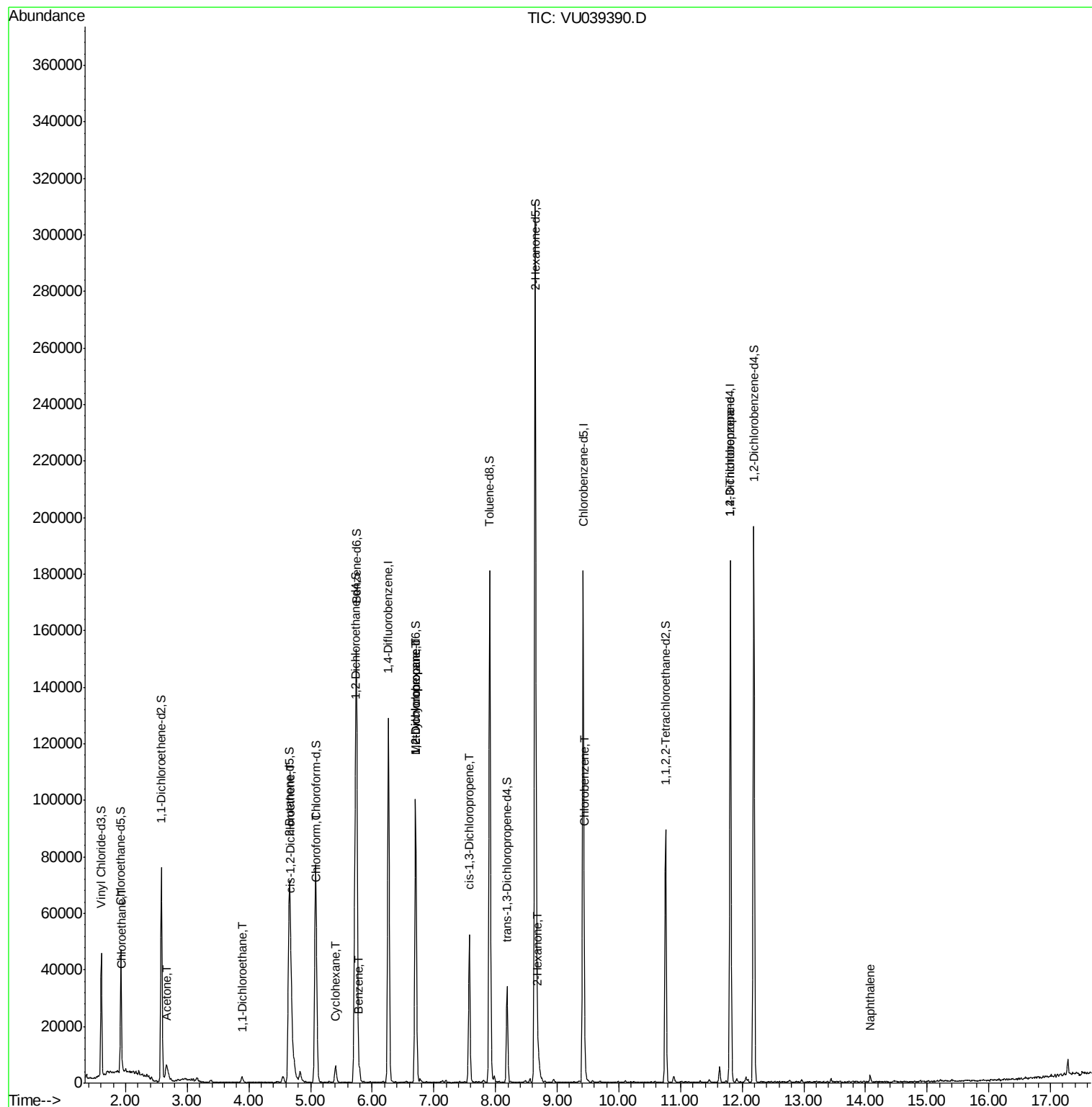
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	683	0.117	ug/L #	41
13) Acetone	2.66	43	6509	4.574	ug/L	83
19) 1,1-Dichloroethane	3.89	63	2582	0.202	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	1270	0.173	ug/L	95
25) Chloroform	5.11	83	2097	0.162	ug/L	84
30) Cyclohexane	5.41	56	3132	0.273	ug/L	95
33) Benzene	5.79	78	3253	0.117	ug/L	100
35) Methylcyclohexane	6.71	83	10104	0.881	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5392	0.714	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1359	0.119	ug/L #	64
48) 2-Hexanone	8.69	43	5538	1.193	ug/L #	93
51) Chlorobenzene	9.45	112	2189	0.121	ug/L #	80
59) 1,2,3-Trichloropropane	11.81	75	7378	1.326	ug/L	97
69) Naphthalene	14.08	128	2220	0.122	ug/L #	86

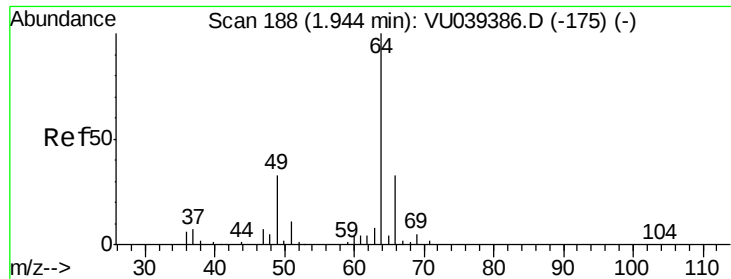
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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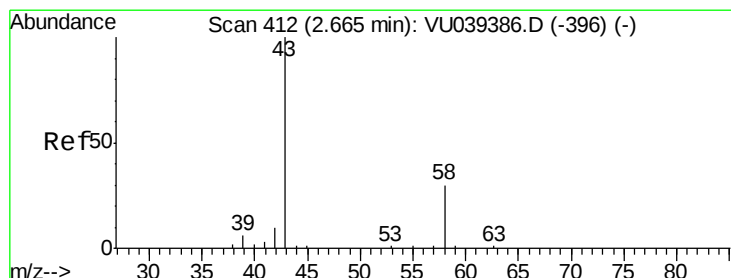
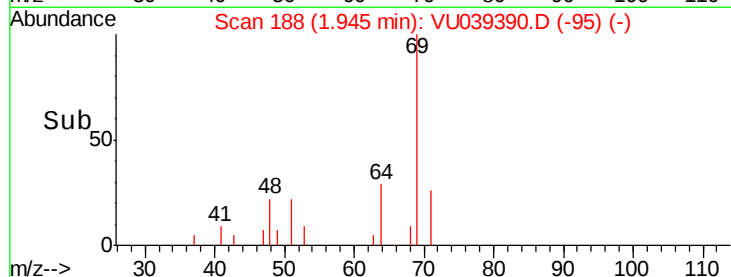
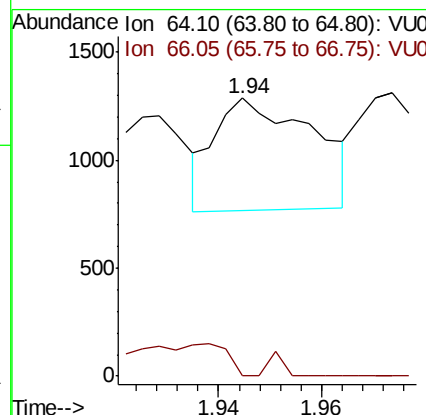
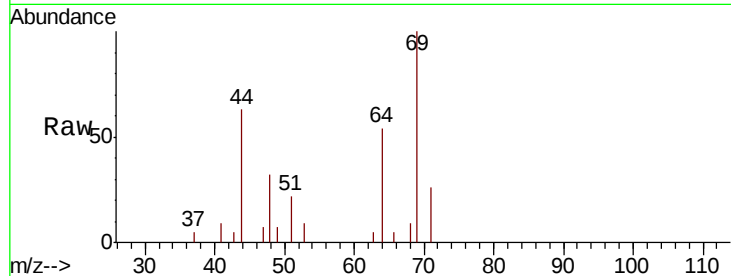




#8
Chloroethane
Concen: 0.117 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039390.D
Acq: 09 Jul 2020 12:24

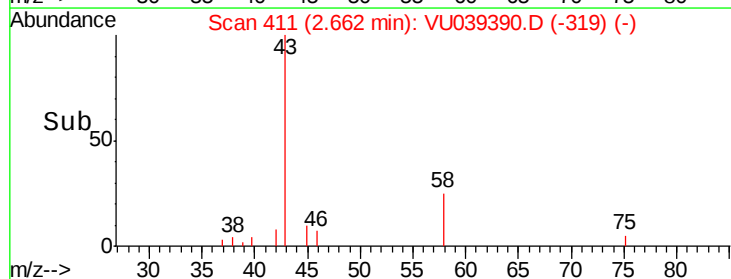
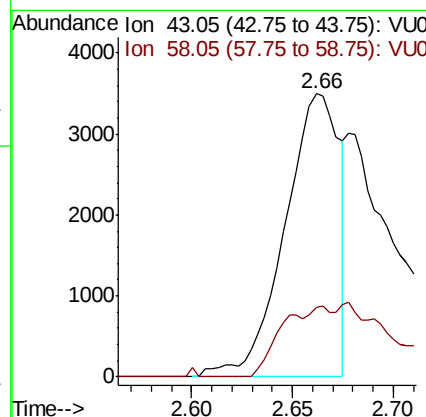
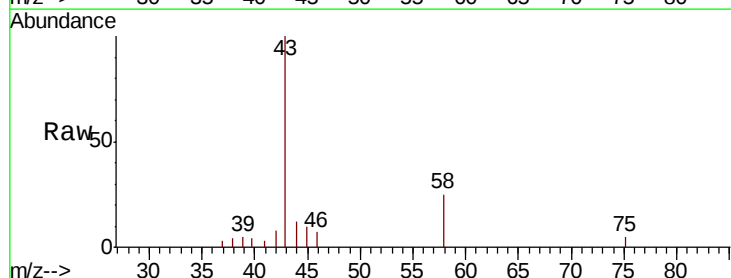
Instrument :
MSVOA_U
ClientSampleId :
F4B14

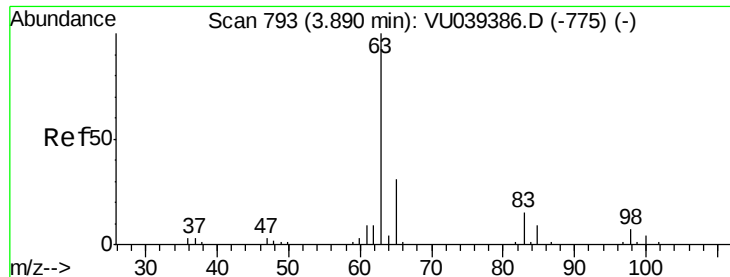
Tot Ion: 64 Resp: 683
Ion Ratio Lower Upper
64 100
66 0.0 23.5 43.7#



#13
Acetone
Concen: 4.574 ug/L
RT: 2.66 min Scan# 411
Delta R.T. -0.00 min
Lab File: VU039390.D
Acq: 09 Jul 2020 12:24

Tgt Ion: 43 Resp: 6509
Ion Ratio Lower Upper
43 100
58 22.0 0.0 62.8





#19

1,1-Dichloroethane

Concen: 0.202 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039390.D

Acq: 09 Jul 2020 12:24

Instrument :

MSVOA_U

ClientSampleId :

F4B14

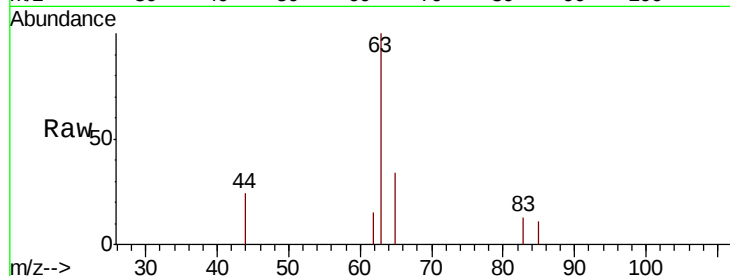
Tot Ion: 63 Resp: 2582

Ion Ratio Lower Upper

63 100

65 33.5 23.0 42.6

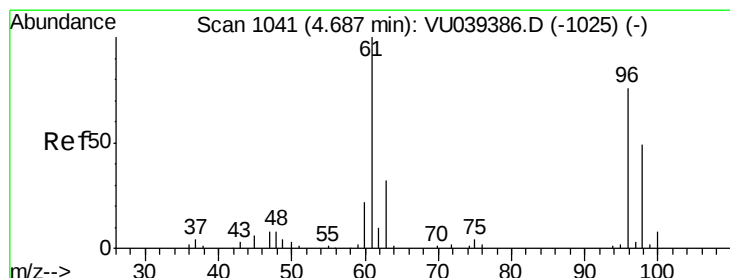
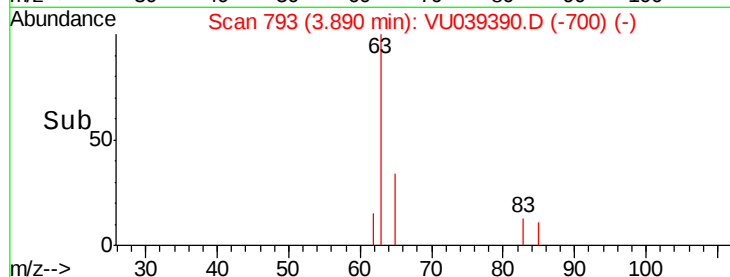
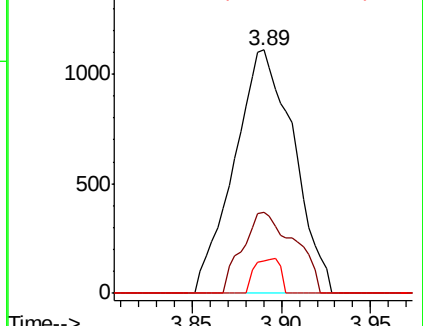
83 13.4 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039390.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039390.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039390.D (-700) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.173 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039390.D

Acq: 09 Jul 2020 12:24

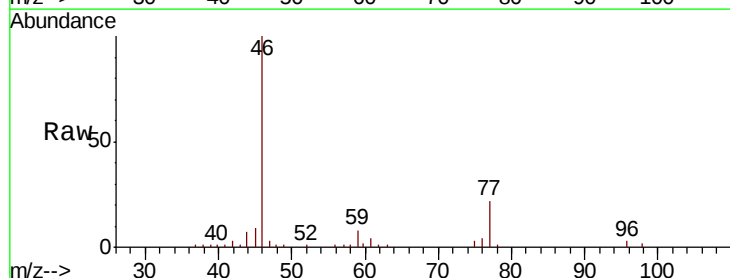
Tgt Ion: 96 Resp: 1270

Ion Ratio Lower Upper

96 100

61 138.5 92.8 172.4

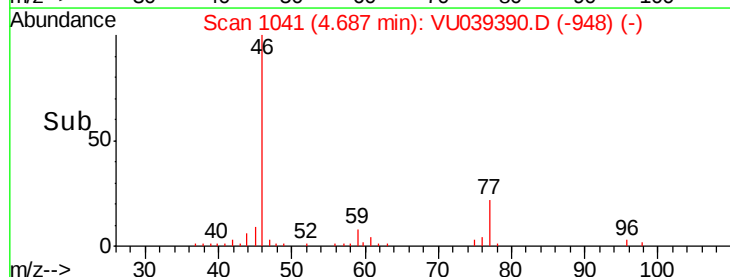
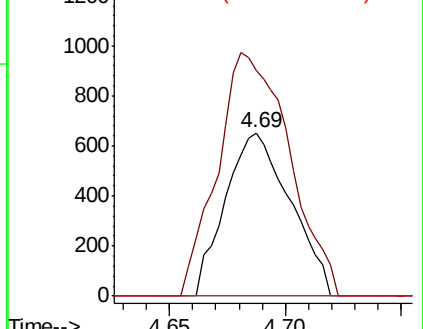
68 0.0 0.0 0.0

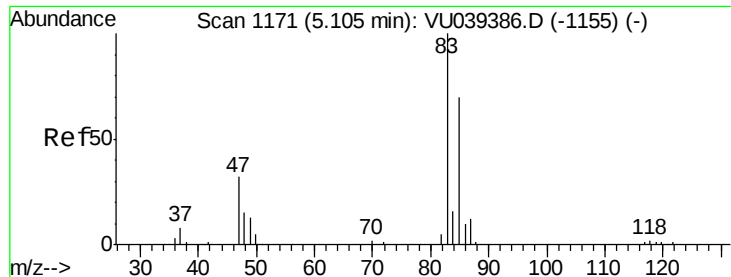


Abundance Ion 96.00 (95.70 to 96.70): VU039390.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039390.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039390.D (-948) (-)

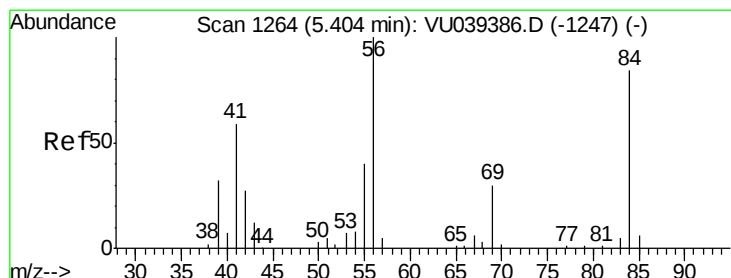
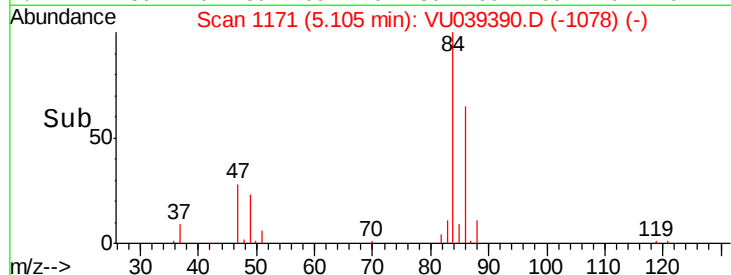
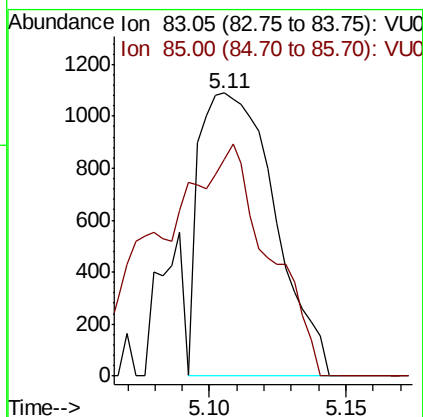
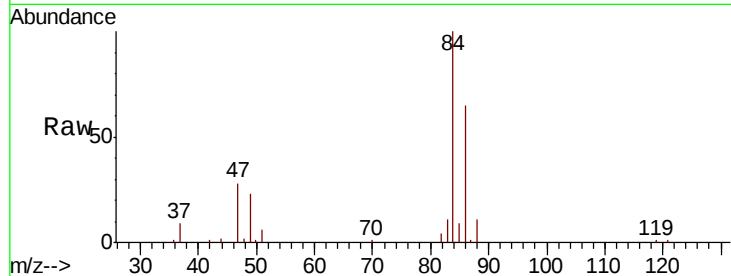




#25
Chloroform
Concen: 0.162 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039390.D
Acq: 09 Jul 2020 12:24

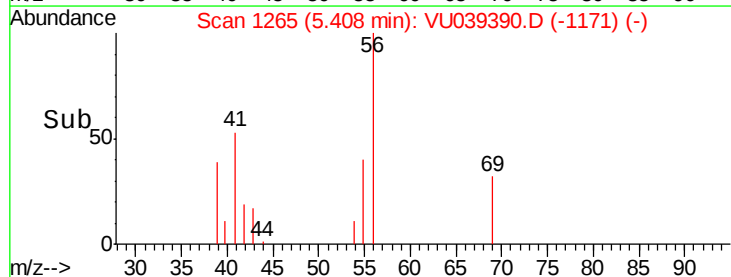
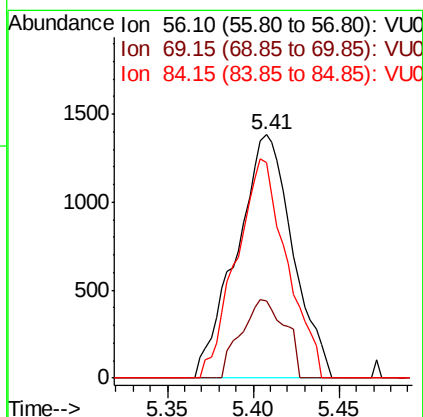
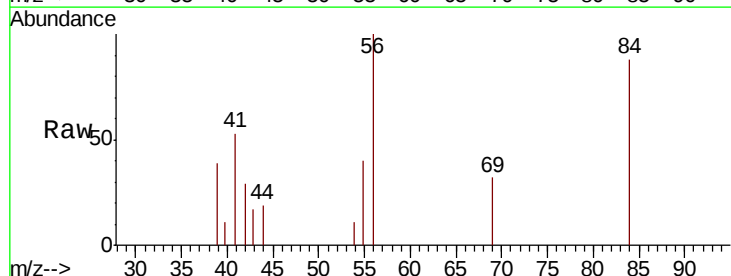
Instrument :
MSVOA_U
ClientSampled :
F4B14

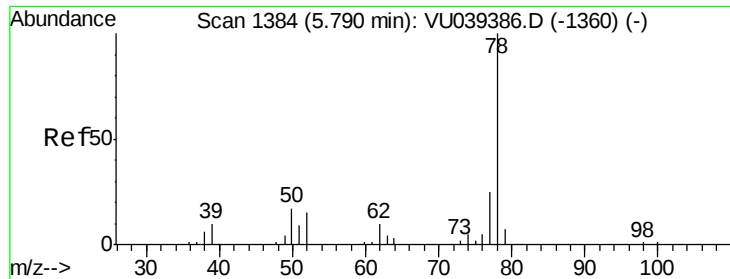
Tot Ion: 83 Resp: 2097
Ion Ratio Lower Upper
83 100
85 76.8 44.9 83.5



#30
Cyclohexane
Concen: 0.273 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039390.D
Acq: 09 Jul 2020 12:24

Tgt Ion: 56 Resp: 3132
Ion Ratio Lower Upper
56 100
69 25.1 24.1 36.1
84 80.6 67.0 100.6

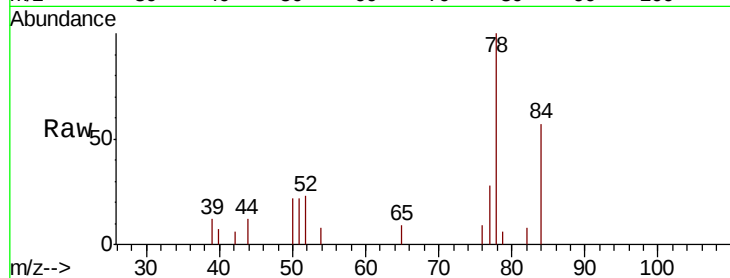




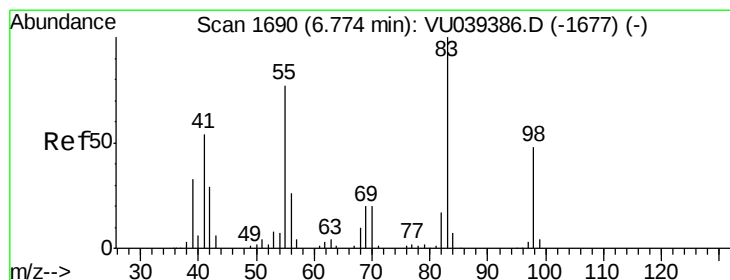
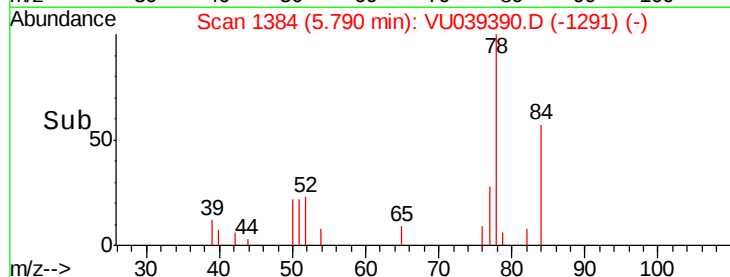
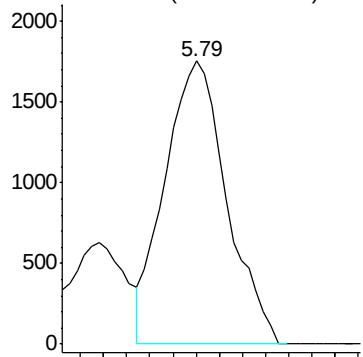
#33
Benzene
Concen: 0.117 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039390.D
Acq: 09 Jul 2020 12:24

Instrument :
MSVOA_U
ClientSampleId :
F4B14

Tgt Ion: 78 Resp: 3253

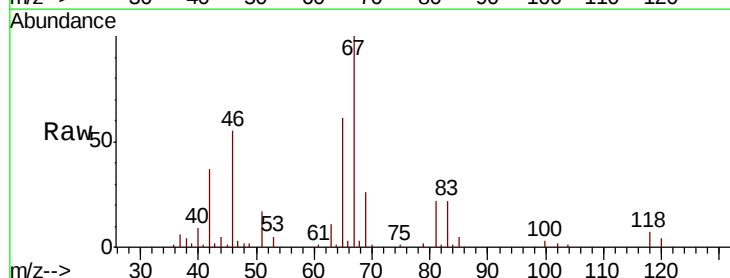


Abundance Ion 78.10 (77.80 to 78.80): VU0



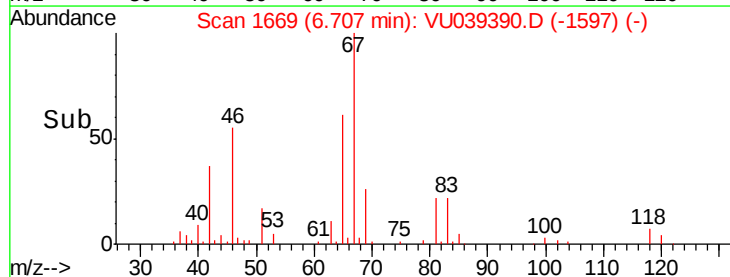
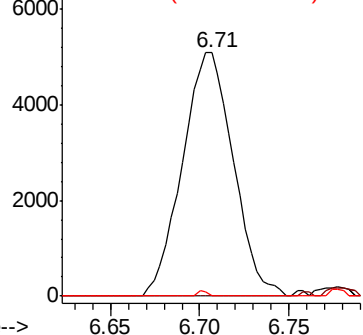
#35
Methylcyclohexane
Concen: 0.881 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039390.D
Acq: 09 Jul 2020 12:24

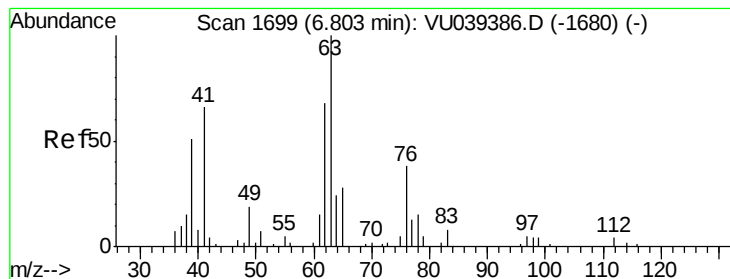
Tgt Ion: 83 Resp: 10104
Ion Ratio Lower Upper
83 100
55 0.4 62.1 93.1#
98 0.4 35.9 53.9#



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: 0.714 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU039390.D

Acq: 09 Jul 2020 12:24

Instrument :

MSVOA_U

ClientSampleId :

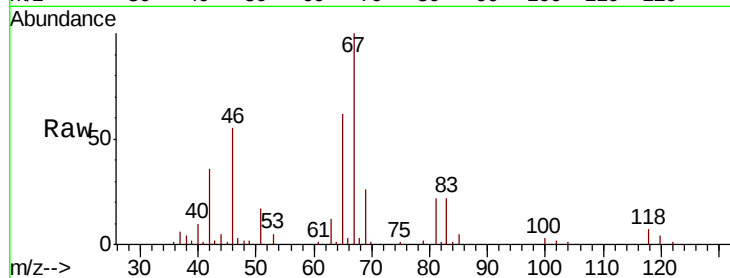
F4B14

Tot Ion: 63 Resp: 5392

Ion Ratio Lower Upper

63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039386.D (-1680) (-)

Ion 112.10 (111.80 to 112.80): VU039386.D (-1680) (-)

6.70

2500

2000

1500

1000

500

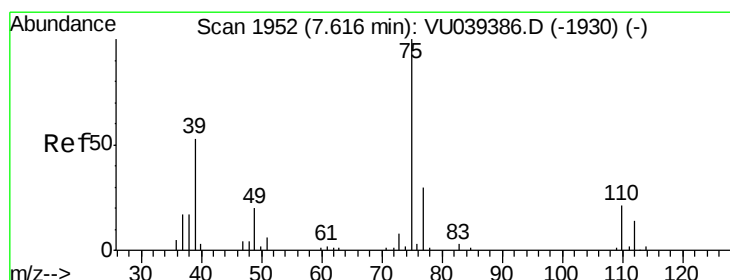
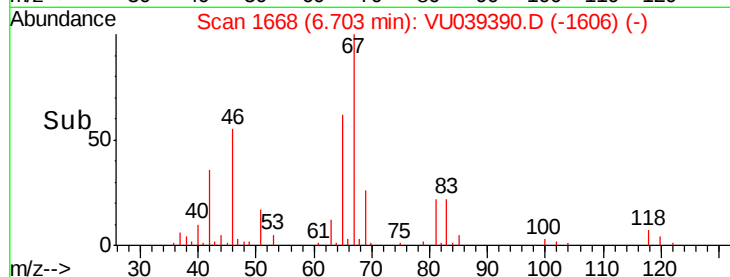
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU039390.D

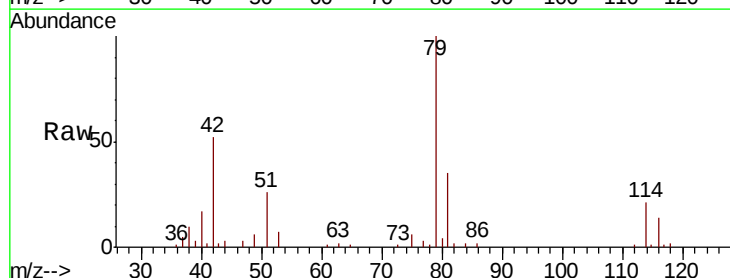
Acq: 09 Jul 2020 12:24

Tgt Ion: 75 Resp: 1359

Ion Ratio Lower Upper

75 100

77 51.8 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039386.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039386.D (-1930) (-)

7.57

1000

800

600

400

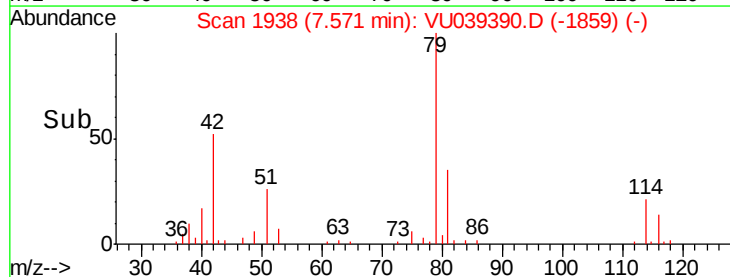
200

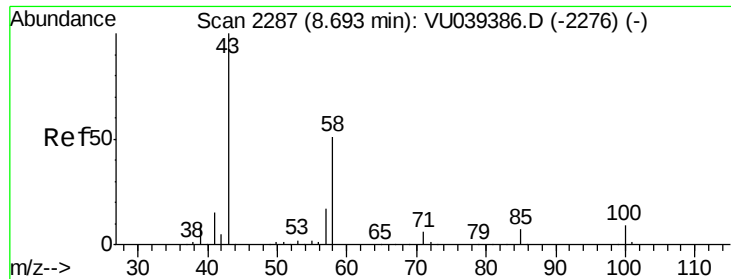
0

7.55

7.60

Time-->

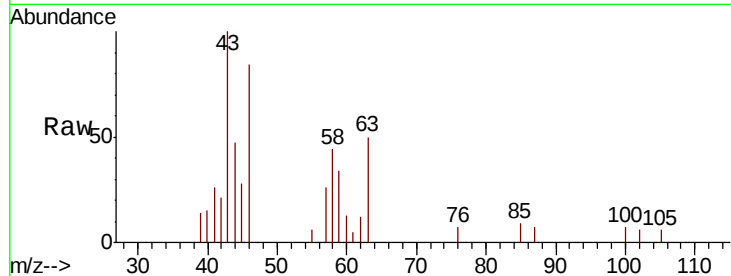




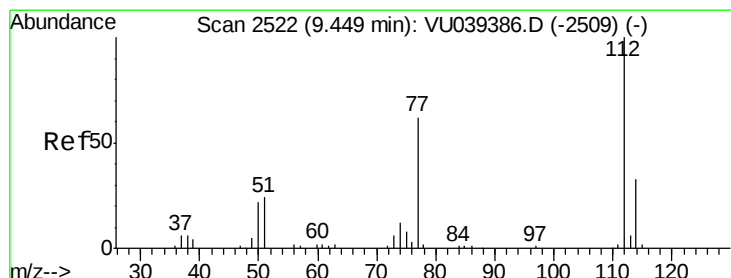
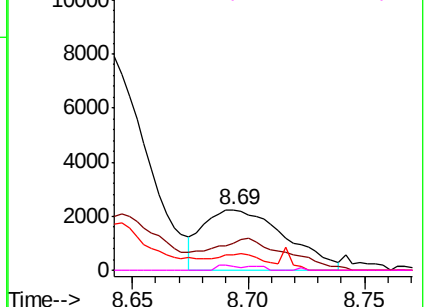
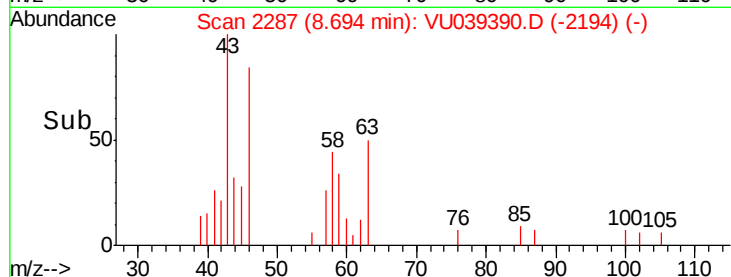
#48
2-Hexanone
Concen: 1.193 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039390.D
Acq: 09 Jul 2020 12:24

Instrument :
MSVOA_U
ClientSampleId :
F4B14

Tot Ion: 43 Resp: 5538
Ion Ratio Lower Upper
43 100
58 48.5 42.0 63.0
57 16.0 14.0 21.0
100 1.5 8.2 12.2#

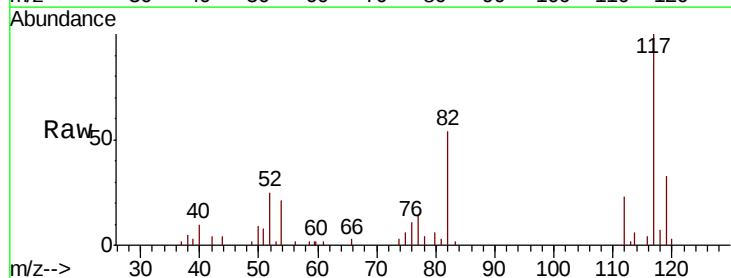


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

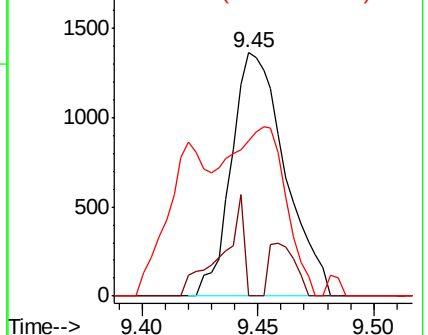
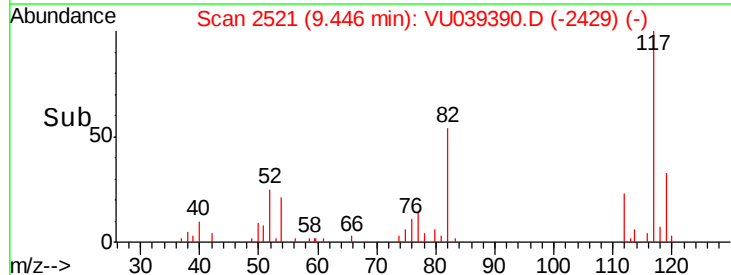


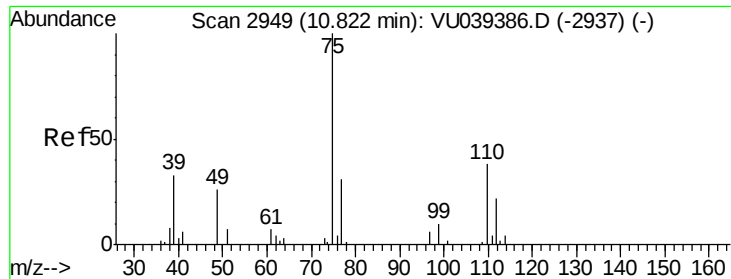
#51
Chlorobenzene
Concen: 0.121 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU039390.D
Acq: 09 Jul 2020 12:24

Tgt Ion: 112 Resp: 2189
Ion Ratio Lower Upper
112 100
114 0.0 22.1 41.1#
77 63.8 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0

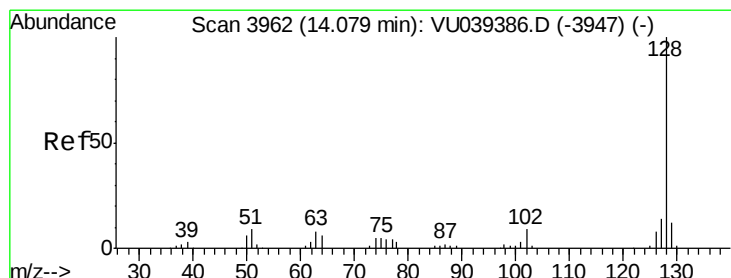
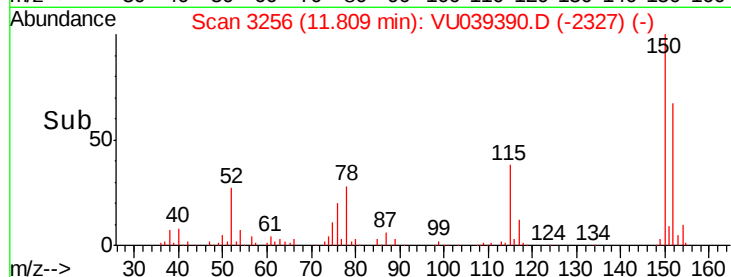
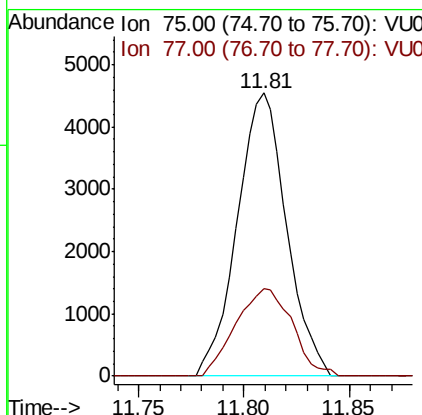
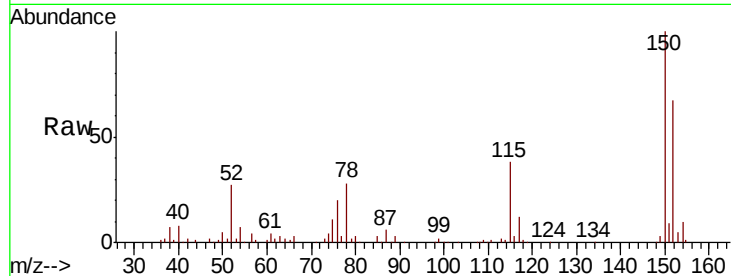




#59
 1,2,3-Trichloropropane
 Concen: 1.326 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU039390.D
 Acq: 09 Jul 2020 12:24

Instrument :
 MSVOA_U
 ClientSampleId :
 F4B14

Tot Ion: 75 Resp: 7378
 Ion Ratio Lower Upper
 75 100
 77 35.3 26.8 40.2



#69
 Naphthalene
 Concen: 0.122 ug/L
 RT: 14.08 min Scan# 3962
 Delta R.T. 0.00 min
 Lab File: VU039390.D
 Acq: 09 Jul 2020 12:24

Tgt Ion: 128 Resp: 2220
 Ion Ratio Lower Upper
 128 100
 129 4.5 8.6 13.0#
 127 8.6 10.4 15.6#

