

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\
 Data File : VU039928.D
 Acq On : 21 Aug 2020 14:50
 Operator : SY/MD
 Sample : L3767-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSD2

Quant Time: Aug 22 00:48:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 22 00:45:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	73195	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	79206	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	34688	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28449	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.92	69	25668	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	38424	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.65	46	102343	50.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.18%
24) Chloroform-d	5.08	84	56320	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	33469	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.74	84	103858	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.70	67	32748	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.20%
41) Toluene-d8	7.91	98	83921	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
43) trans-1,3-Dichloropropene-	8.19	79	13247	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	75679	45.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29259	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	34972	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

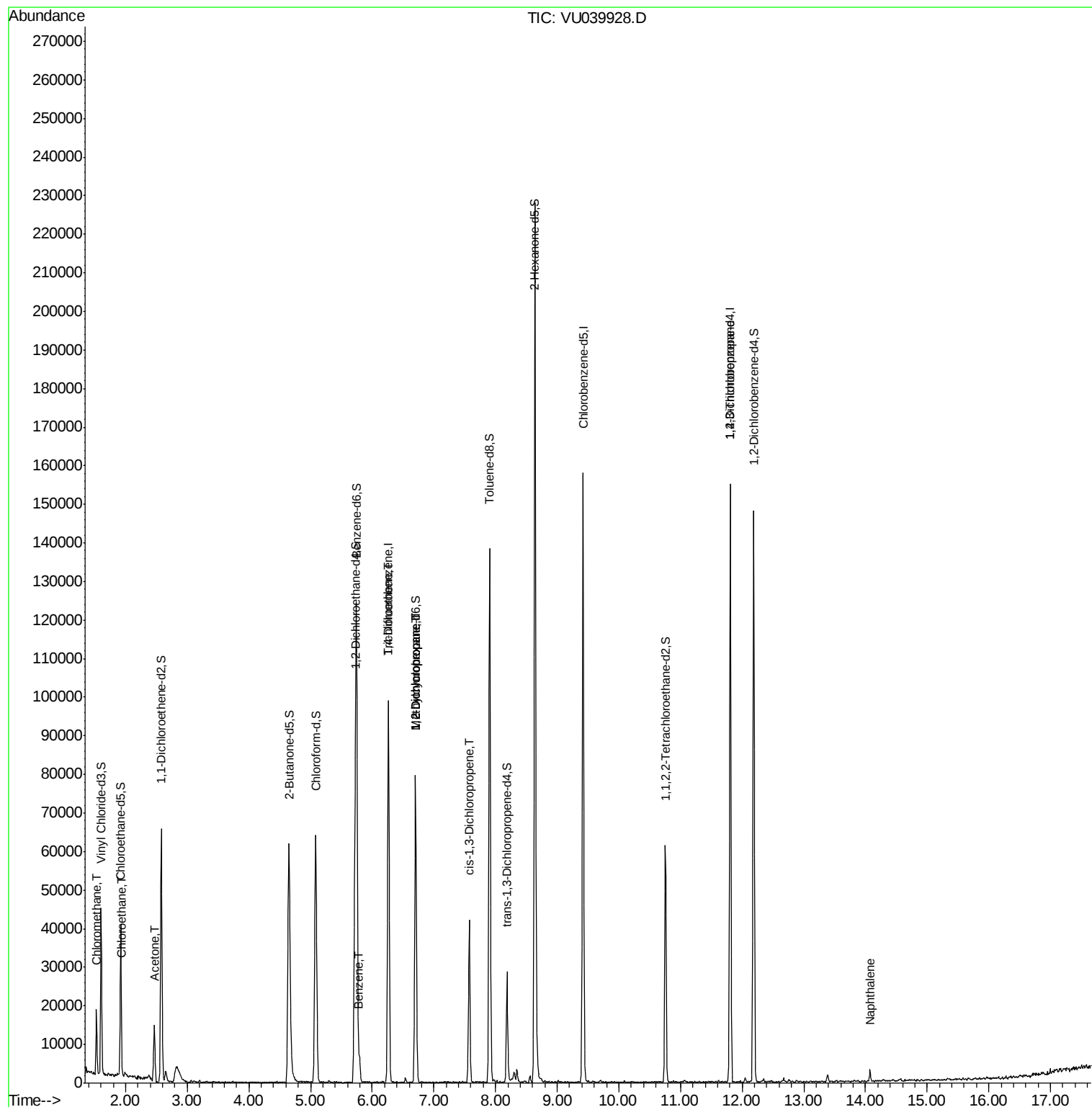
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	11254	1.307	ug/L	98
8) Chloroethane	1.94	64	487	0.094	ug/L #	42
13) Acetone	2.47	43	8959	6.417	ug/L	76
33) Benzene	5.79	78	5933	0.206	ug/L	100
34) Trichloroethene	6.27	95	1230	0.165	ug/L #	7
35) Methylcyclohexane	6.70	83	8018	0.701	ug/L #	17
37) 1,2-Dichloropropane	6.71	63	4040	0.528	ug/L #	85
39) cis-1,3-Dichloropropene	7.57	75	1179	0.110	ug/L #	48
59) 1,2,3-Trichloropropane	11.81	75	5124	0.935	ug/L #	88
69) Naphthalene	14.07	128	2354	0.157	ug/L #	90

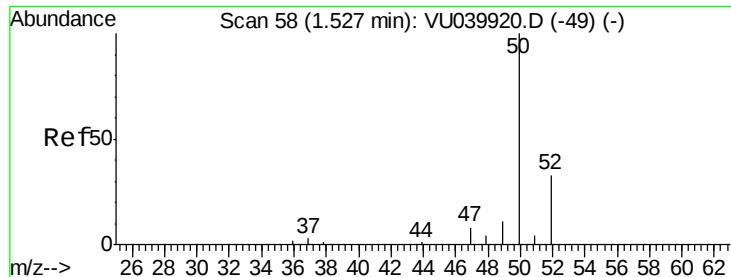
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.307 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039928.D

Acq: 21 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampled :

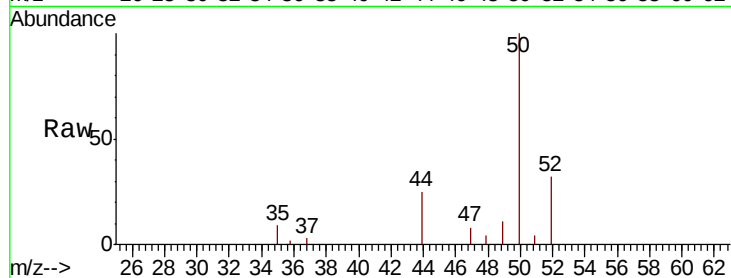
BFSD2

Tot Ion: 50 Resp: 11254

Ion Ratio Lower Upper

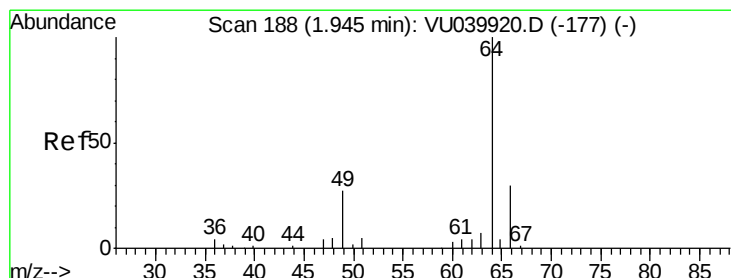
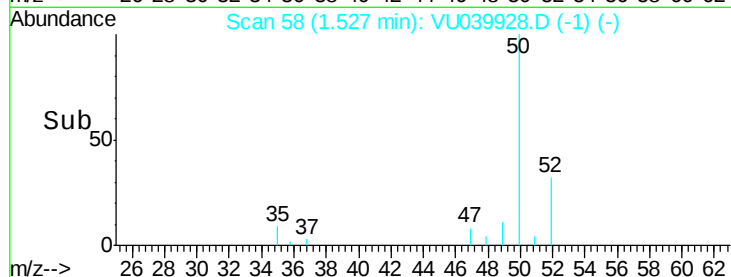
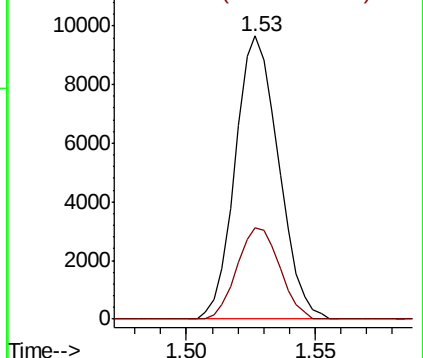
50 100

52 32.2 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.094 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039928.D

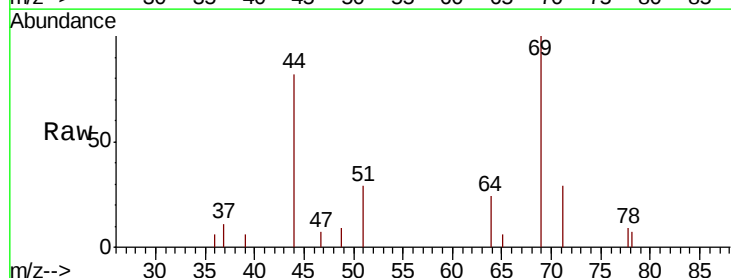
Acq: 21 Aug 2020 14:50

Tgt Ion: 64 Resp: 487

Ion Ratio Lower Upper

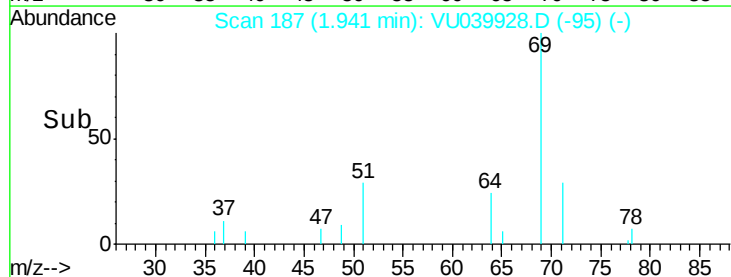
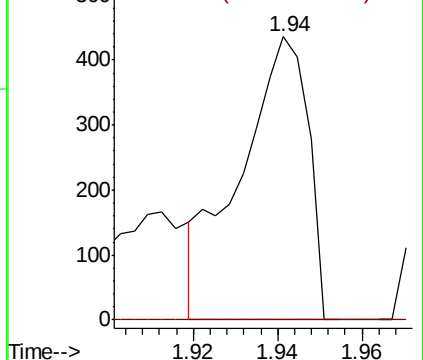
64 100

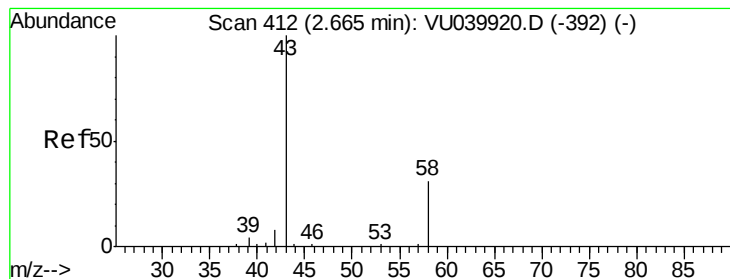
66 0.0 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 6.417 ug/L

RT: 2.47 min Scan# 350

Delta R.T. -0.20 min

Lab File: VU039928.D

Acq: 21 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

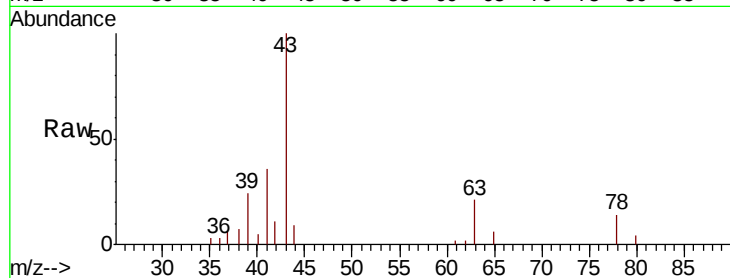
BFSD2

Tot Ion: 43 Resp: 8959

Ion Ratio Lower Upper

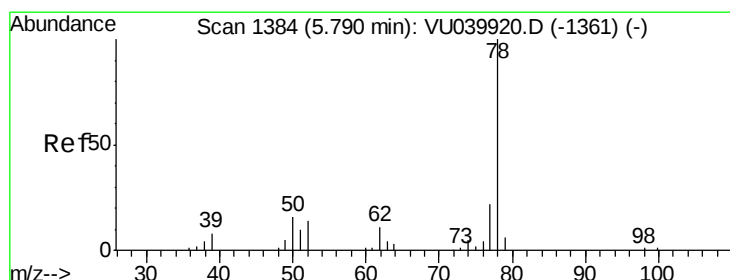
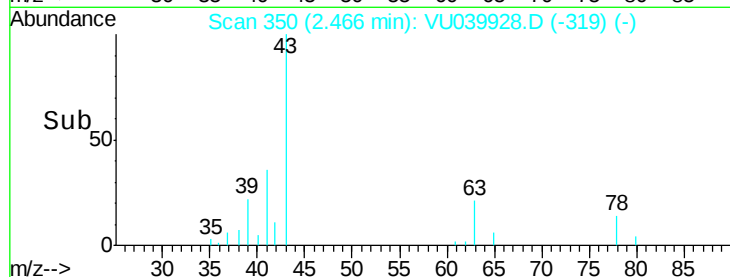
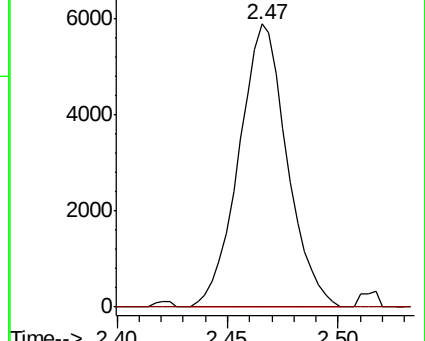
43 100

58 0.8 0.0 19.0



Abundance Ion 43.05 (42.75 to 43.75): VU039928.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU039928.D (-319) (-)



#33

Benzene

Concen: 0.206 ug/L

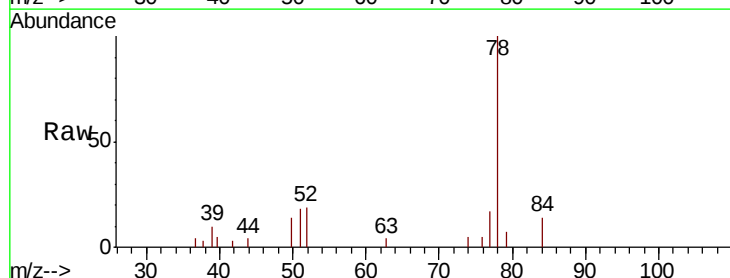
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

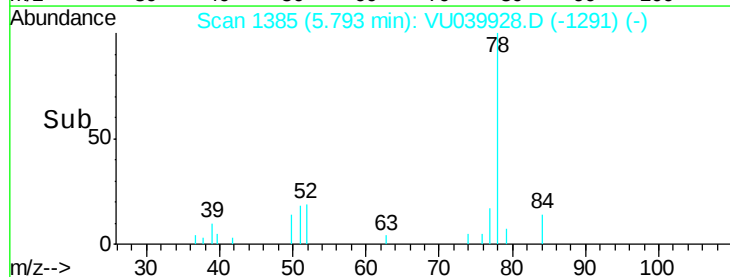
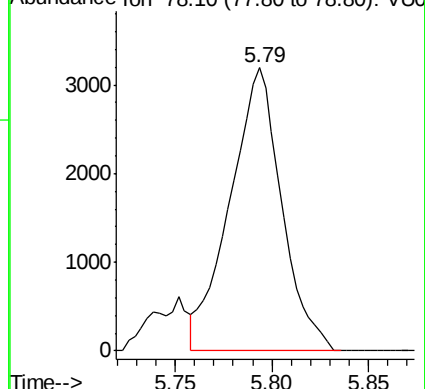
Lab File: VU039928.D

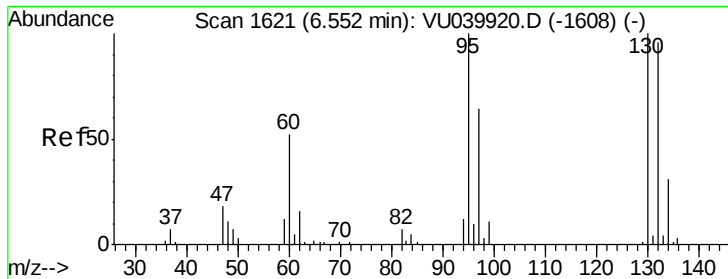
Acq: 21 Aug 2020 14:50

Tgt Ion: 78 Resp: 5933



Abundance Ion 78.10 (77.80 to 78.80): VU039928.D (-1291) (-)





#34

Trichloroethene

Concen: 0.165 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU039928.D

Acq: 21 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

BFSD2

Tot Ion: 95 Resp: 1230

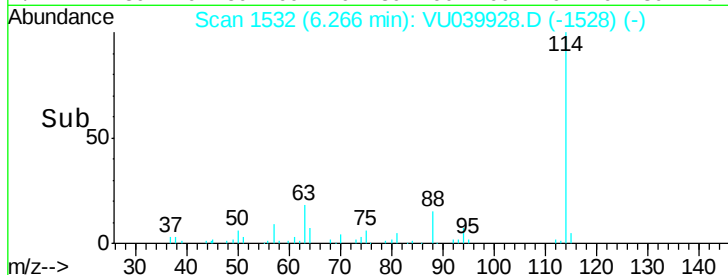
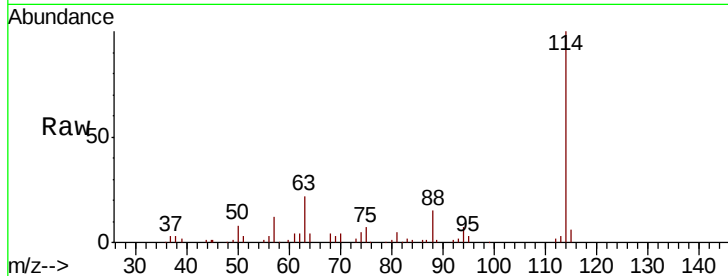
Ion Ratio Lower Upper

95 100

97 0.0 42.0 78.0#

132 0.0 65.0 120.8#

130 0.0 65.5 121.7#

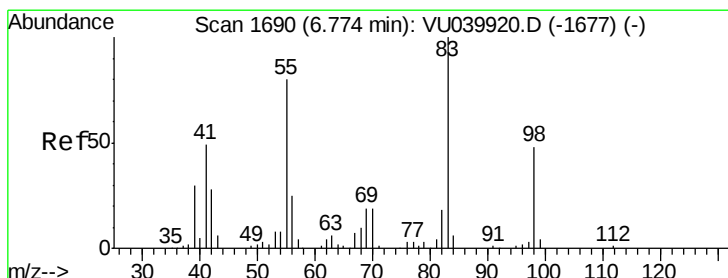
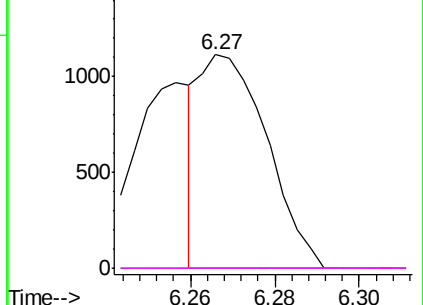


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.701 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039928.D

Acq: 21 Aug 2020 14:50

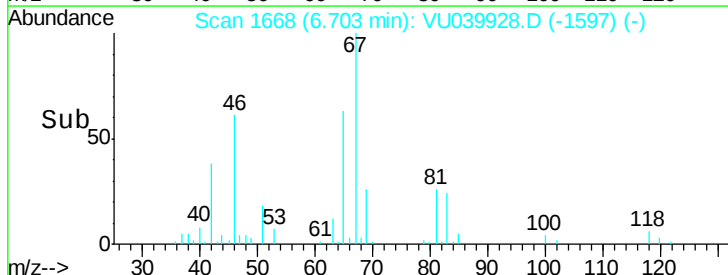
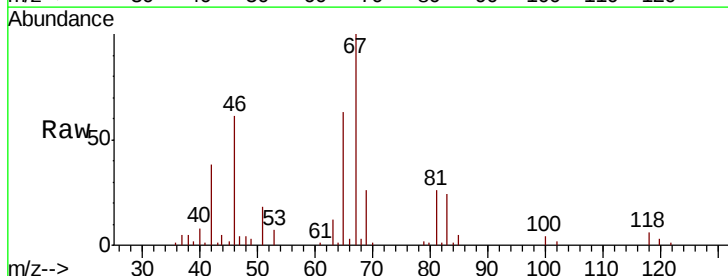
Tgt Ion: 83 Resp: 8018

Ion Ratio Lower Upper

83 100

55 0.0 64.1 96.1#

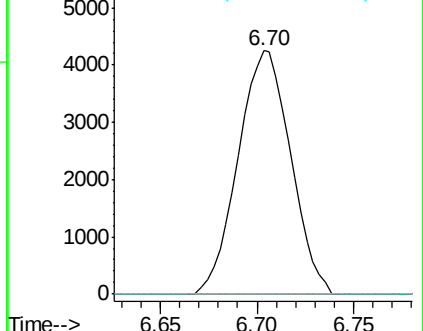
98 0.2 39.4 59.0#

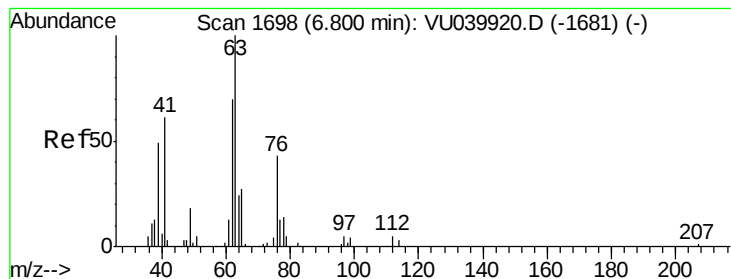


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.528 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.09 min

Lab File: VU039928.D

Acq: 21 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

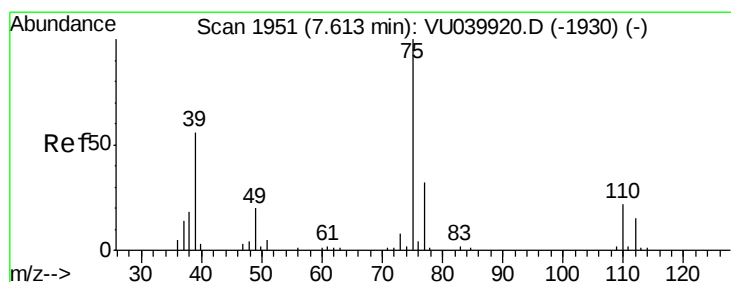
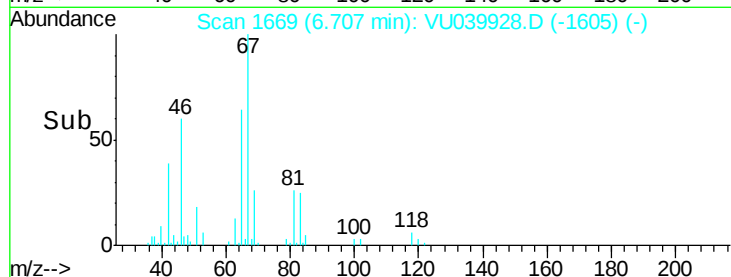
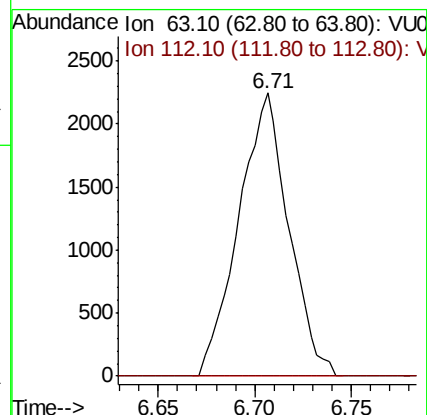
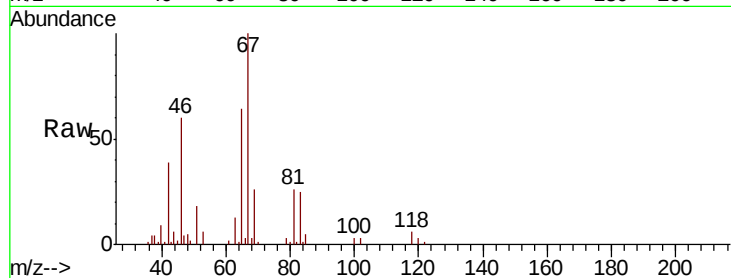
BFS2

Tot Ion: 63 Resp: 4040

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



#39

cis-1,3-Dichloropropene

Concen: 0.110 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU039928.D

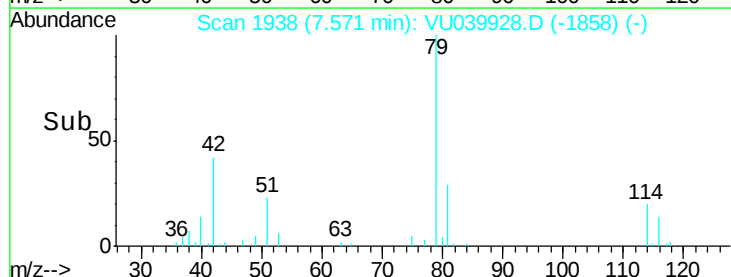
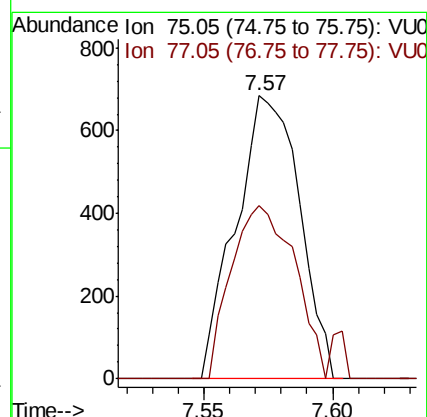
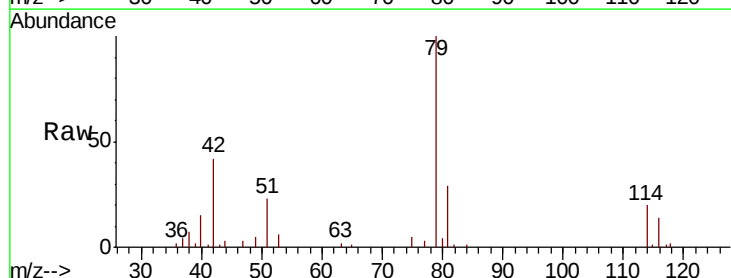
Acq: 21 Aug 2020 14:50

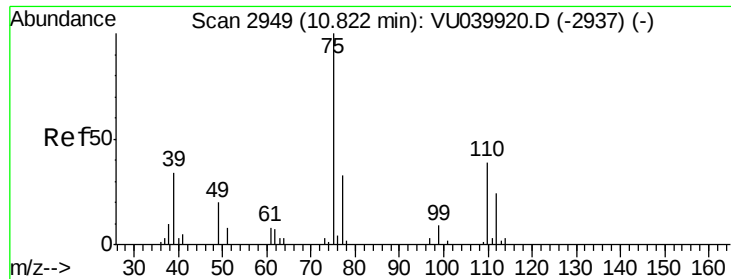
Tgt Ion: 75 Resp: 1179

Ion Ratio Lower Upper

75 100

77 61.3 22.6 42.0#





#59

1,2,3-Trichloropropane

Concen: 0.935 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039928.D

Acq: 21 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampled :

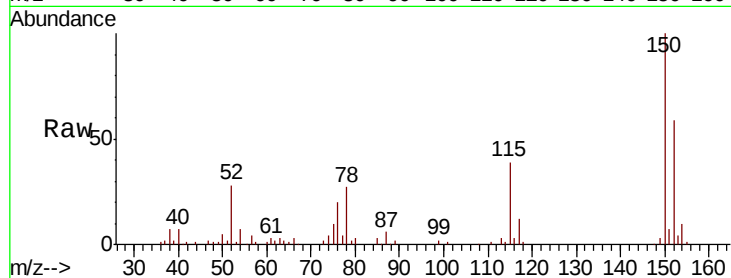
BFS2

Tot Ion: 75 Resp: 5124

Ion Ratio Lower Upper

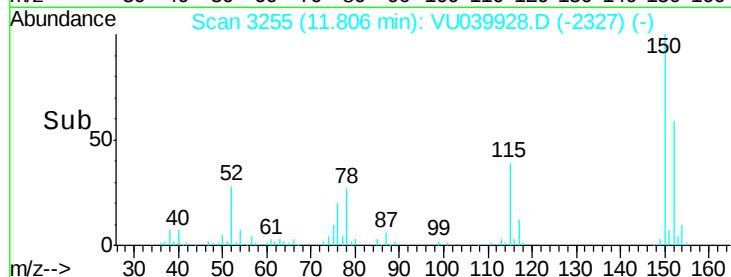
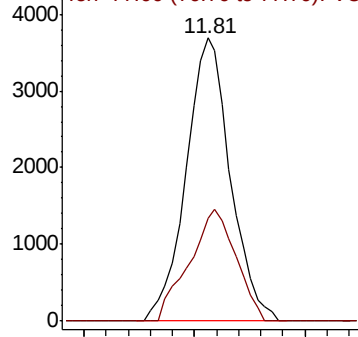
75 100

77 41.4 27.4 41.2#

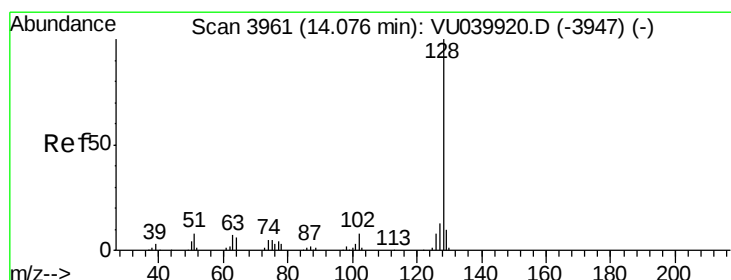


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time--> 11.75 11.80 11.85



#69

Naphthalene

Concen: 0.157 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU039928.D

Acq: 21 Aug 2020 14:50

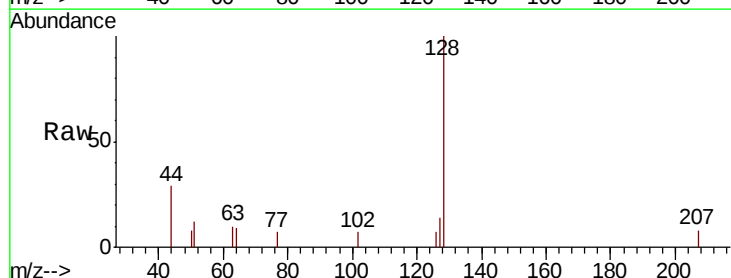
Tgt Ion: 128 Resp: 2354

Ion Ratio Lower Upper

128 100

129 4.2 8.5 12.7#

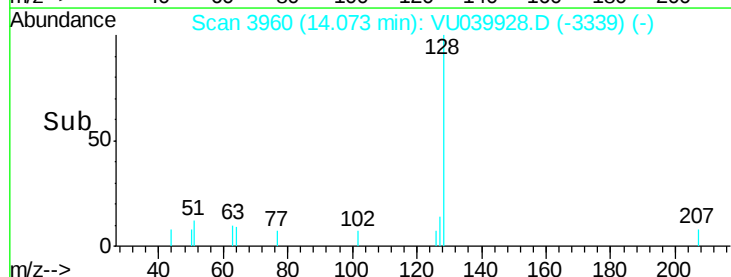
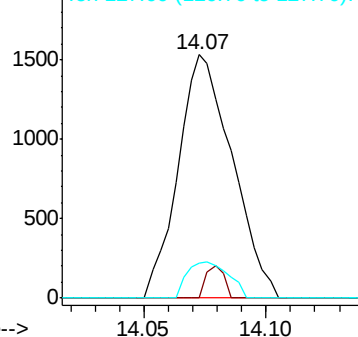
127 11.4 10.2 15.4



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



Time--> 14.05 14.10