

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037570.D
 Acq On : 03 Apr 2020 16:46
 Operator : JC/MD
 Sample : L2158-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0EY9

Quant Time: Apr 04 05:25:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 05:18:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	172032	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	162846	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	76642	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	58116	41.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.20%
7) Chloroethane-d5	1.93	69	47355	42.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.36%
11) 1,1-Dichloroethene-d2	2.59	63	80922	34.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.92%
21) 2-Butanone-d5	4.67	46	87276	83.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.11%
24) Chloroform-d	5.11	84	100109	42.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.06%
26) 1,2-Dichloroethane-d4	5.74	65	66783	42.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.46%
32) Benzene-d6	5.76	84	206440	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.50%
36) 1,2-Dichloropropane-d6	6.73	67	68841	43.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.68%
41) Toluene-d8	7.93	98	187205	42.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.14%
43) trans-1,3-Dichloropropene-	8.20	79	35841	41.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.12%
47) 2-Hexanone-d5	8.66	63	66443	78.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.96%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	93238	41.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.12%
64) 1,2-Dichlorobenzene-d4	12.21	152	66542	42.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.10%

Target Compounds

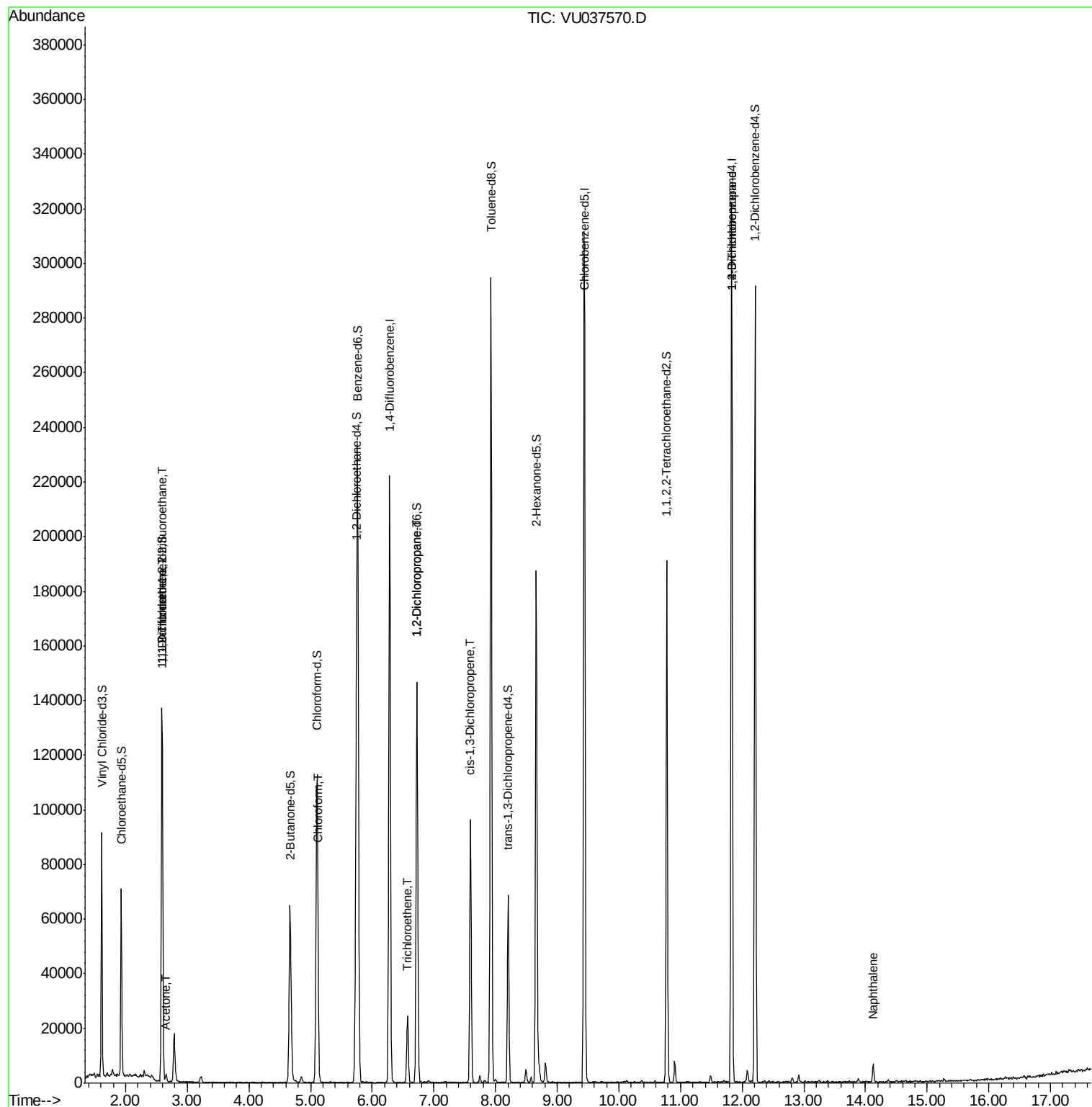
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	715	0.754	ug/L #	22
12) 1,1-Dichloroethene	2.60	96	780	0.848	ug/L #	1
13) Acetone	2.66	43	3452	5.687	ug/L	96
25) Chloroform	5.13	83	2012	0.994	ug/L	92
34) Trichloroethene	6.57	95	8254	7.398	ug/L	98
37) 1,2-Dichloropropane	6.72	63	7426	6.108	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2648	1.395	ug/L #	80
59) 1,2,3-Trichloropropane	11.83	75	11792	7.545	ug/L	93
69) Naphthalene	14.13	128	5839	0.941	ug/L #	91

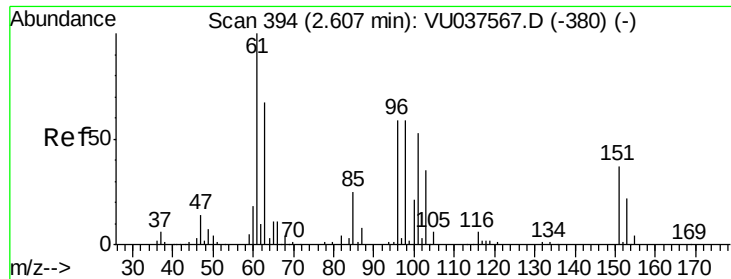
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 04 05:18:00 2020
Response via : Initial Calibration





#10

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

Concen: 0.754 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU037570.D

Acq: 03 Apr 2020 16:46

Instrument :

MSVOA_U

ClientSampleId :

C0EY9

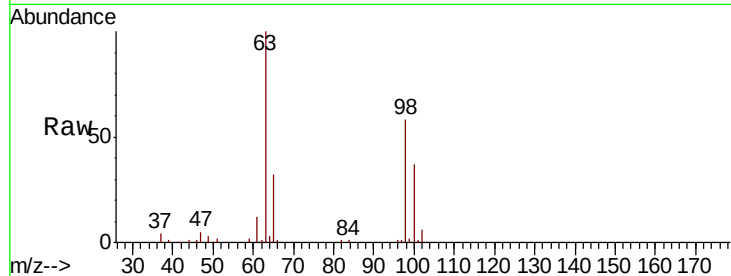
Tot Ion:101 Resp: 715

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

151 0.0 55.3 82.9#



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

2.59

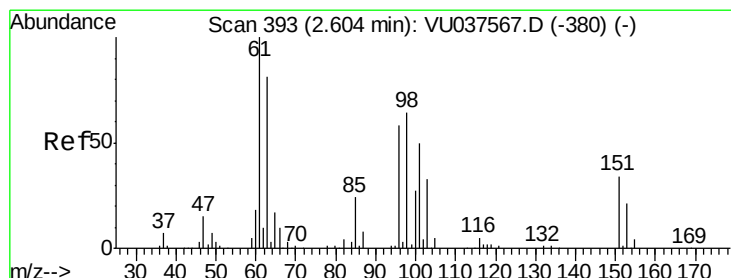
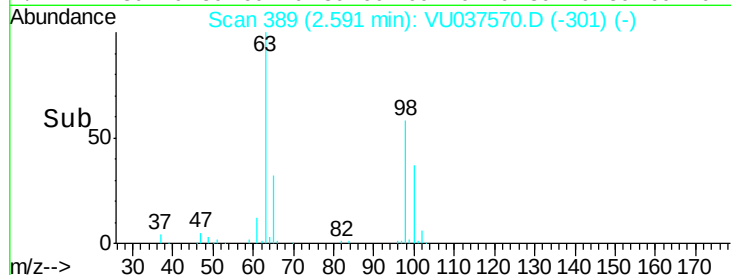
400

200

0

2.56 2.58 2.60 2.62

Time-->



#12

1,1-Dichloroethene

Concen: 0.848 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037570.D

Acq: 03 Apr 2020 16:46

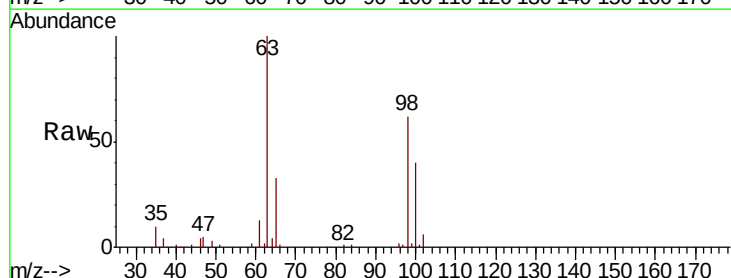
Tgt Ion: 96 Resp: 780

Ion Ratio Lower Upper

96 100

61 641.9 117.2 217.8#

63 4888.9 90.9 168.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

60000

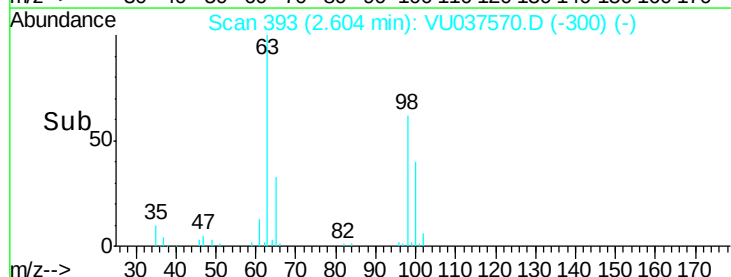
40000

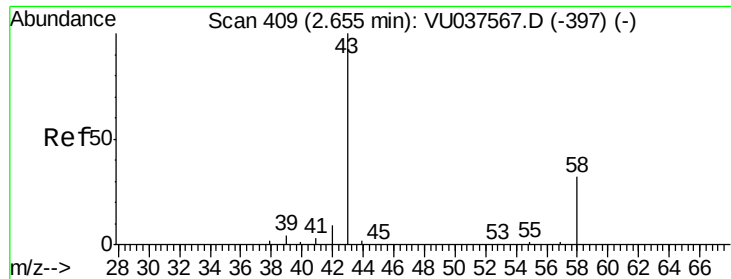
20000

0

2.56 2.58 2.60 2.62

Time-->





#13

Acetone

Concen: 5.687 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU037570.D

Acq: 03 Apr 2020 16:46

Instrument :

MSVOA_U

ClientSampleId :

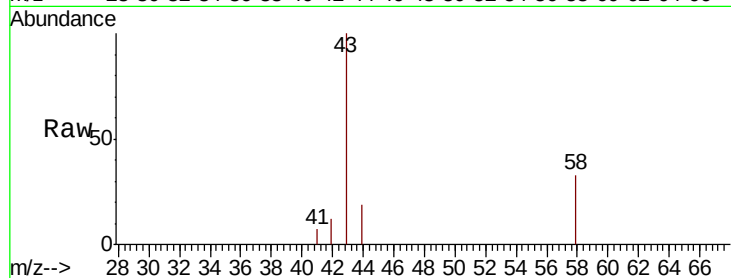
C0EY9

Tot Ion: 43 Resp: 3452

Ion Ratio Lower Upper

43 100

58 32.2 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VU037570.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037570.D (-316) (-)

2.66

2000

1500

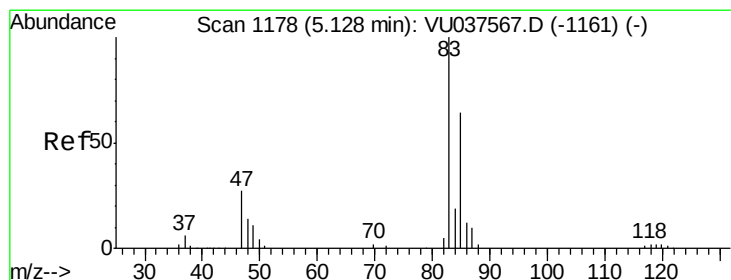
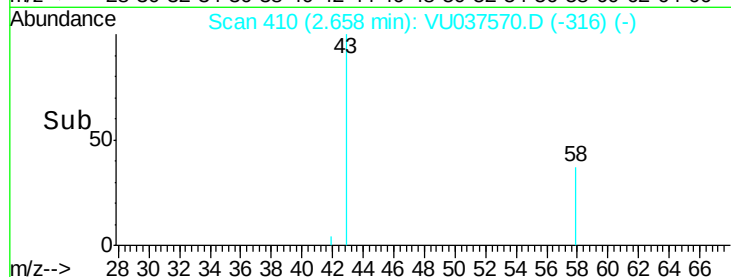
1000

500

0

Time-->

2.60 2.65 2.70



#25

Chloroform

Concen: 0.994 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037570.D

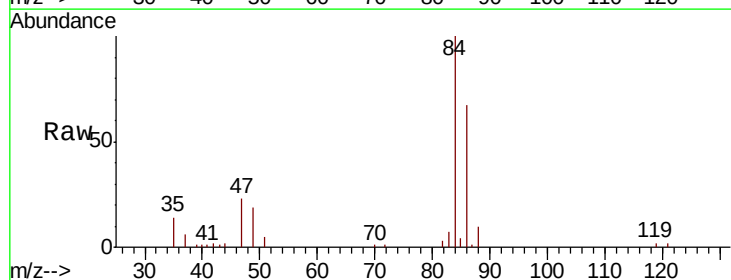
Acq: 03 Apr 2020 16:46

Tgt Ion: 83 Resp: 2012

Ion Ratio Lower Upper

83 100

85 56.5 43.7 81.1



Abundance Ion 83.00 (82.70 to 83.70): VU037570.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU037570.D (-1085) (-)

5.13

1000

800

600

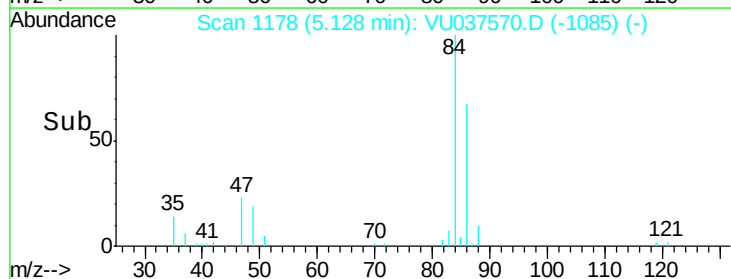
400

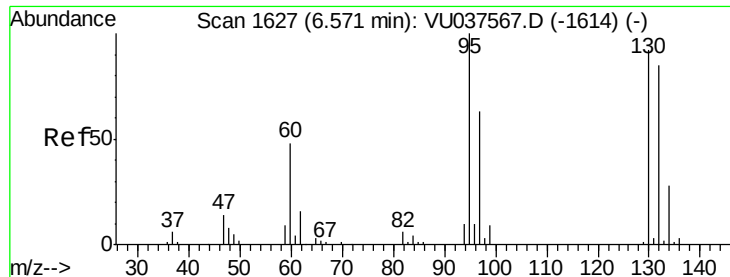
200

0

Time-->

5.05 5.10 5.15





#34

Trichloroethene

Concen: 7.398 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037570.D

Acq: 03 Apr 2020 16:46

Instrument :

MSVOA_U

ClientSampleId :

C0EY9

Tot Ion: 95 Resp: 8254

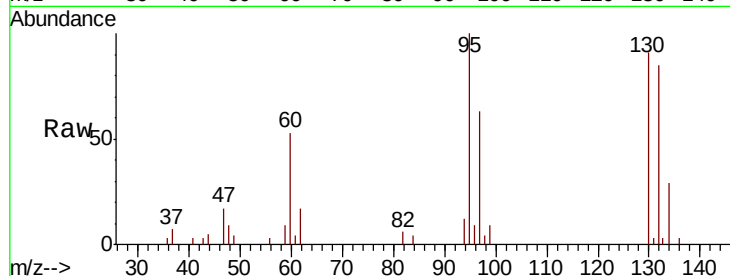
Ion Ratio Lower Upper

95 100

97 63.2 45.2 84.0

132 88.3 63.7 118.3

130 90.9 64.5 119.7

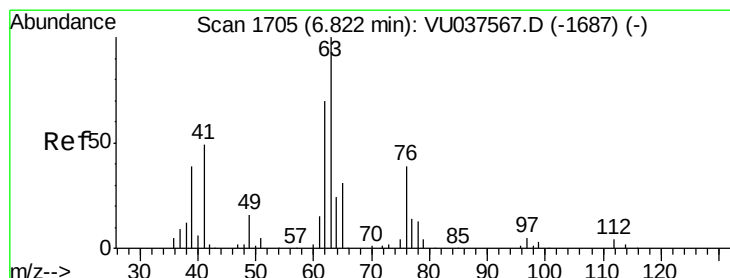
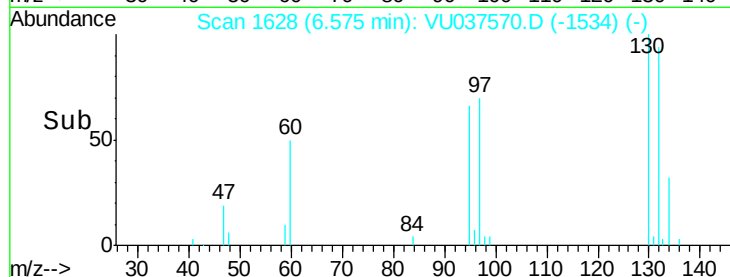
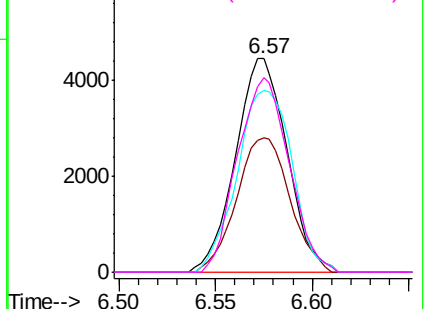


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.108 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037570.D

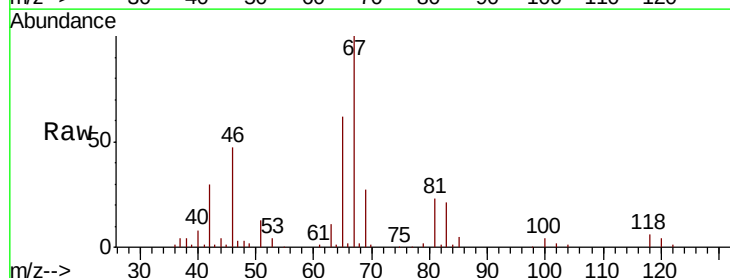
Acq: 03 Apr 2020 16:46

Tgt Ion: 63 Resp: 7426

Ion Ratio Lower Upper

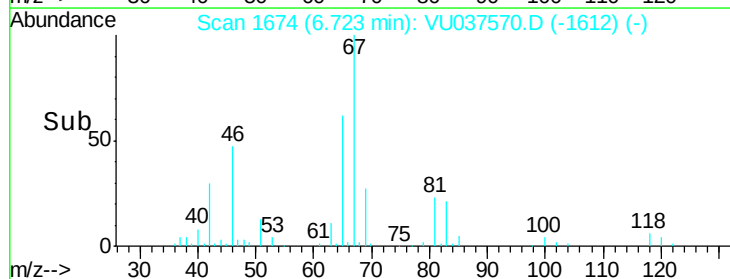
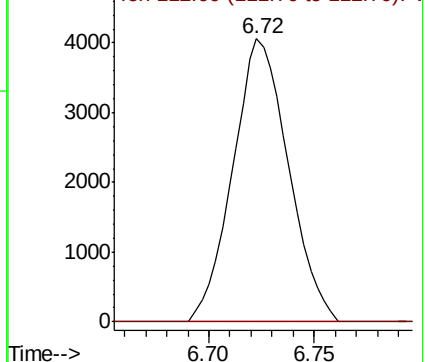
63 100

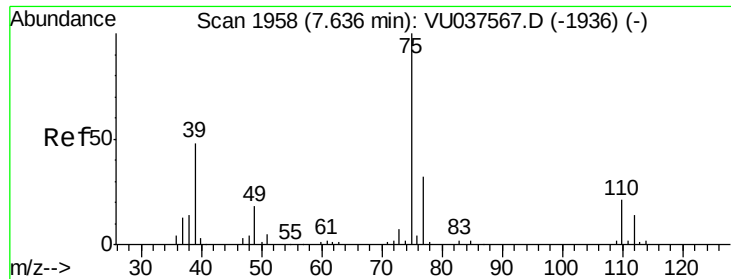
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.395 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037570.D

Acq: 03 Apr 2020 16:46

Instrument :

MSVOA_U

ClientSampleId :

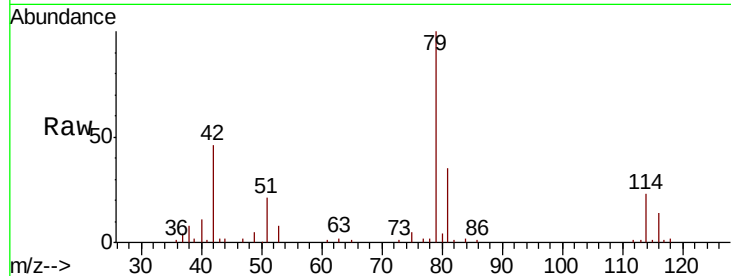
C0EY9

Tot Ion: 75 Resp: 2648

Ion Ratio Lower Upper

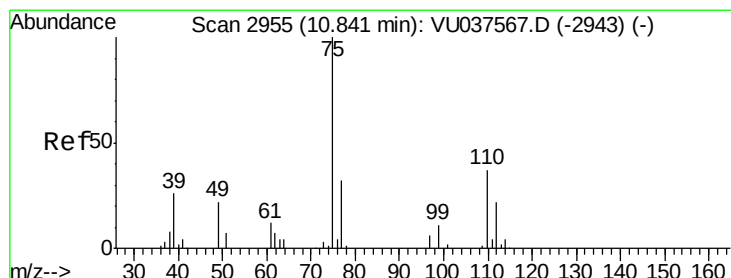
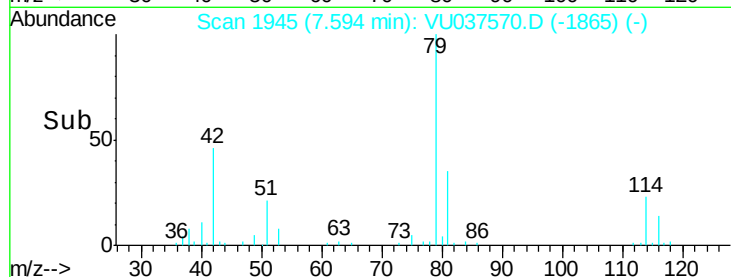
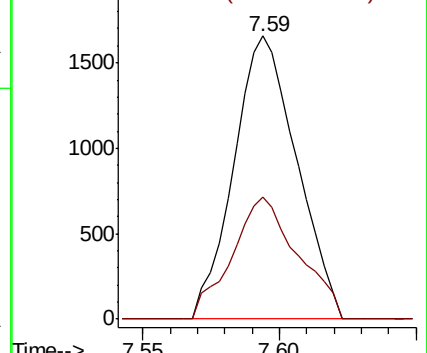
75 100

77 43.0 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 7.545 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037570.D

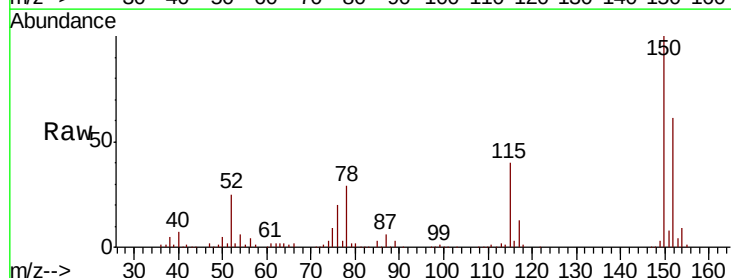
Acq: 03 Apr 2020 16:46

Tgt Ion: 75 Resp: 11792

Ion Ratio Lower Upper

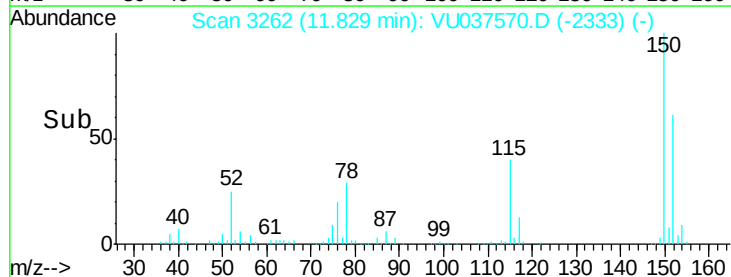
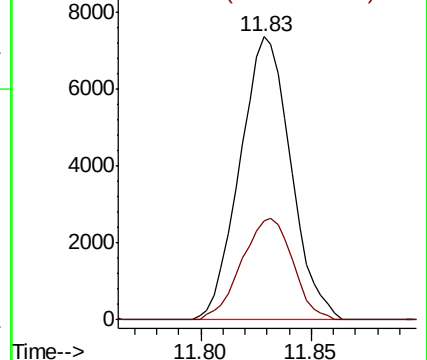
75 100

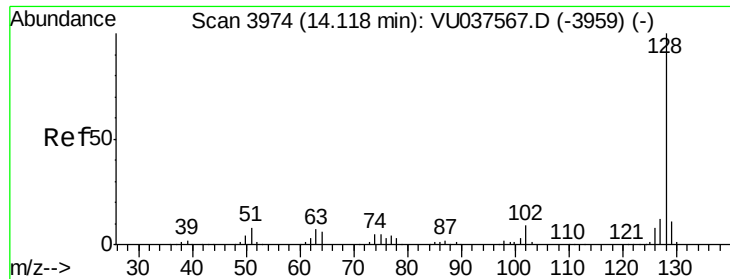
77 35.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.941 ug/L

RT: 14.13 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VU037570.D

Acq: 03 Apr 2020 16:46

Instrument :

MSVOA_U

ClientSampleId :

C0EY9

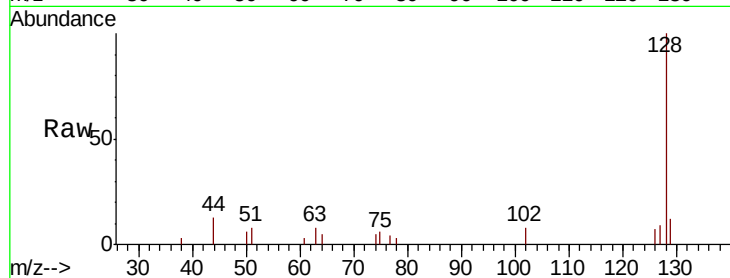
Tot Ion:128 Resp: 5839

Ion Ratio Lower Upper

128 100

127 7.5 10.2 15.4#

129 9.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

