

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031620\
 Data File : VU037302.D
 Acq On : 16 Mar 2020 19:05
 Operator : JC/MD
 Sample : L1923-08DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 17 01:36:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 17 01:33:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	125654	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	122708	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	52371	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	29954	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.93	69	29698	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.59	63	50492	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.67	46	102138	51.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.28%
24) Chloroform-d	5.10	84	75410	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.74	65	44647	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.76	84	132765	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.72	67	45453	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.92	98	121028	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.21	79	18838	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.66	63	82736	48.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	37270	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	45522	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

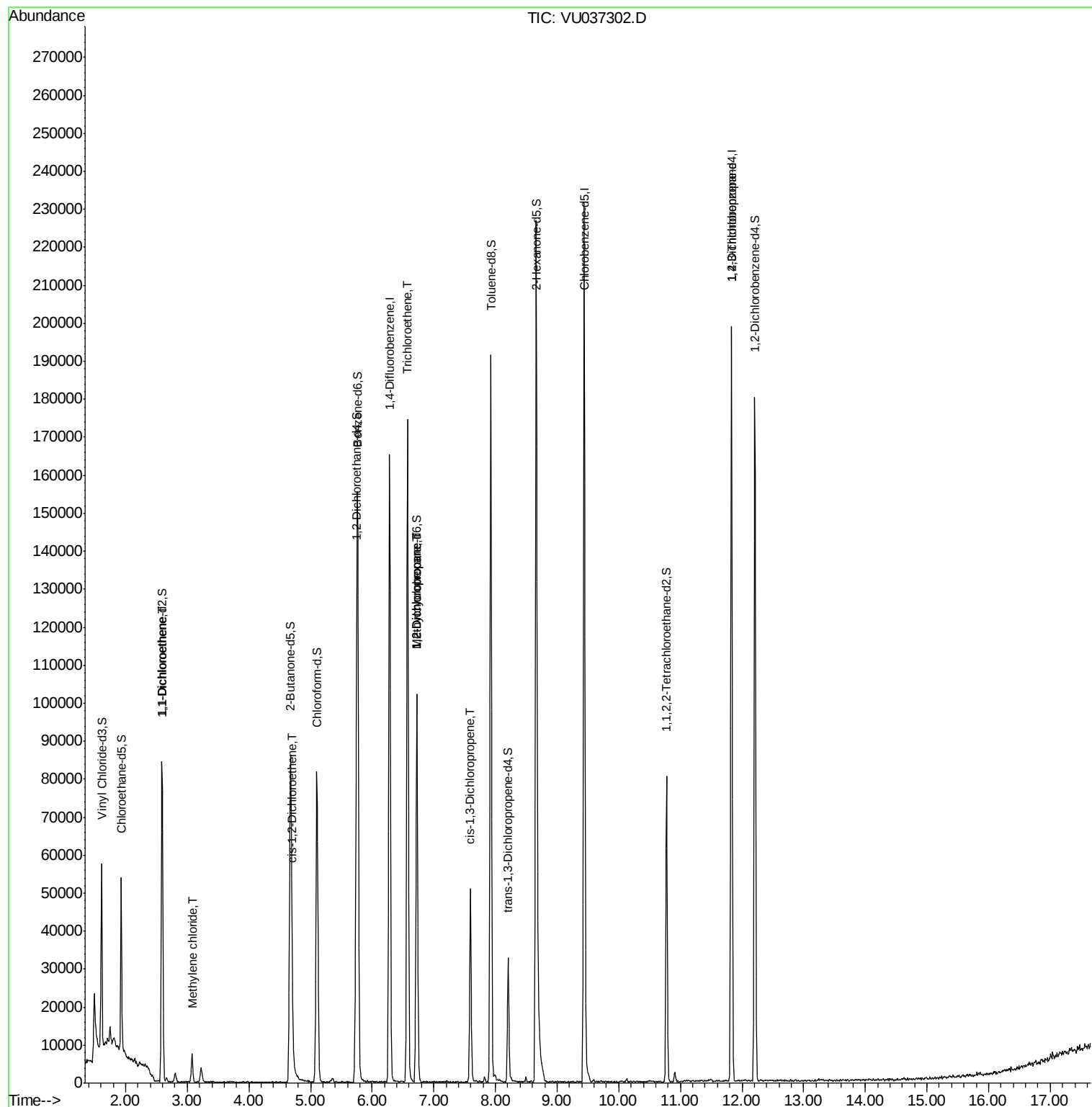
					Ovalue
12) 1,1-Dichloroethene	2.60	96	3765	0.467 ug/L #	1
16) Methylene chloride	3.08	84	3113	0.321 ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	1932	0.201 ug/L	99
34) Trichloroethene	6.57	95	56371	5.599 ug/L	95
35) Methylcyclohexane	6.73	83	10703	0.703 ug/L #	15
37) 1,2-Dichloropropane	6.72	63	5525	0.567 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	1513	0.103 ug/L	85
59) 1,2,3-Trichloropropane	11.83	75	6712	0.970 ug/L #	86

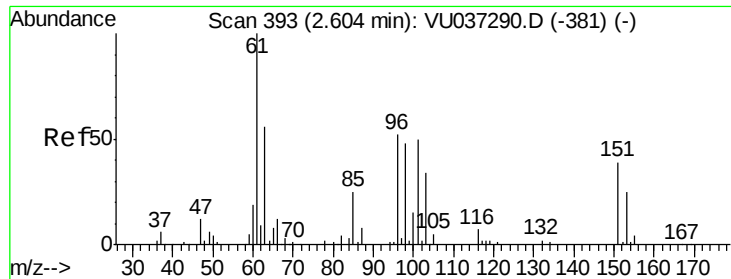
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.467 ug/L

RT: 2.60 min Scan# 393

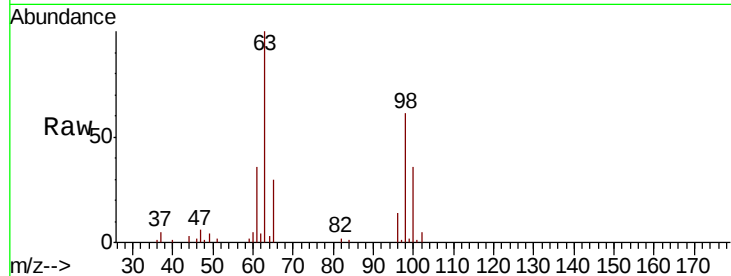
Delta R.T. 0.00 min

Lab File: VU037302.D

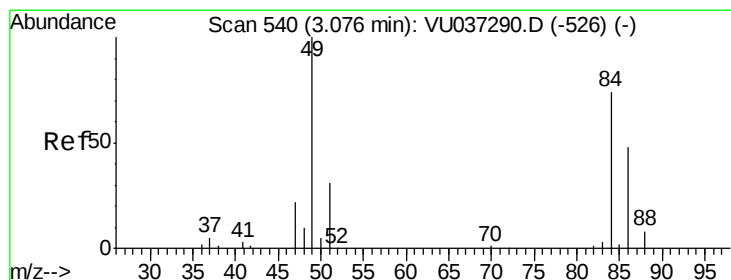
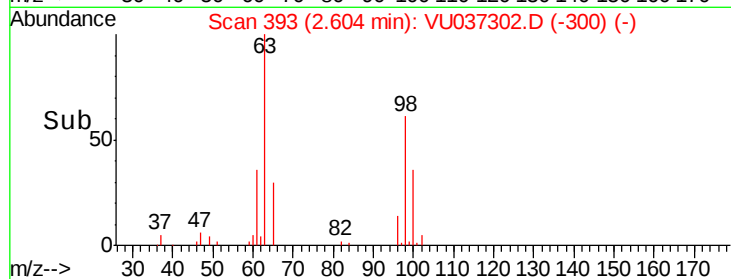
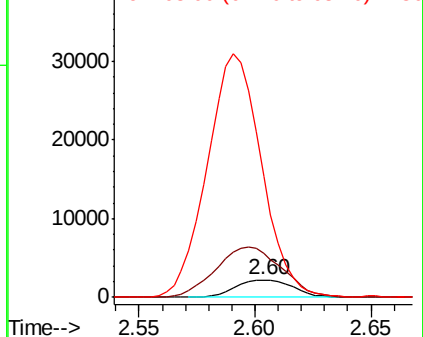
Acq: 16 Mar 2020 19:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 3765
Ion Ratio Lower Upper
96 100
61 256.6 134.3 249.5#
63 703.3 80.3 149.1#



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



#16

Methylene chloride

Concen: 0.321 ug/L

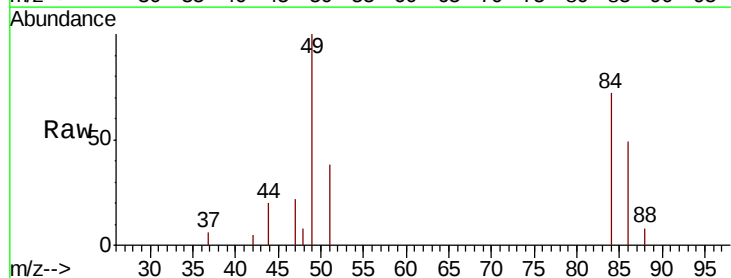
RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

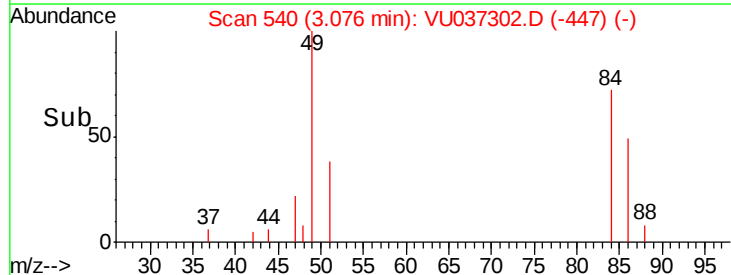
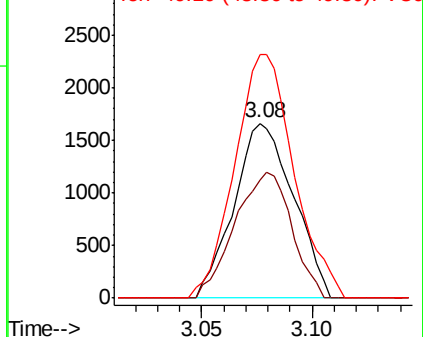
Lab File: VU037302.D

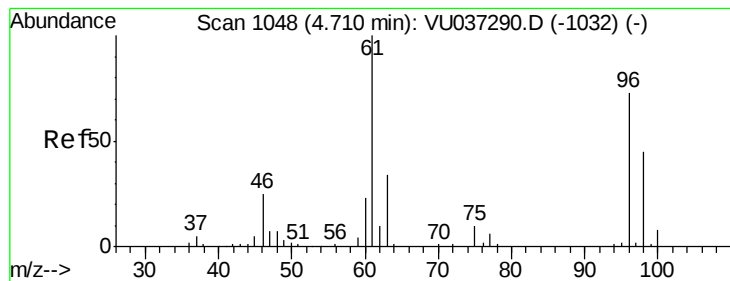
Acq: 16 Mar 2020 19:05

Tgt Ion: 84 Resp: 3113
Ion Ratio Lower Upper
84 100
86 67.6 45.2 84.0
49 139.4 94.4 175.4



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





#22

cis-1,2-Dichloroethene

Concen: 0.201 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037302.D

Acq: 16 Mar 2020 19:05

Instrument :

MSVOA_U

ClientSampleId :

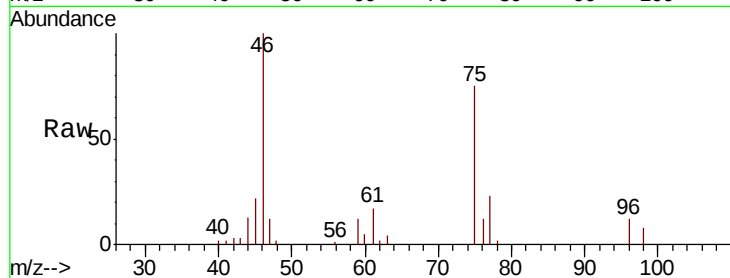
Tot Ion: 96 Resp: 1932

Ion Ratio Lower Upper

96 100

61 135.2 95.8 178.0

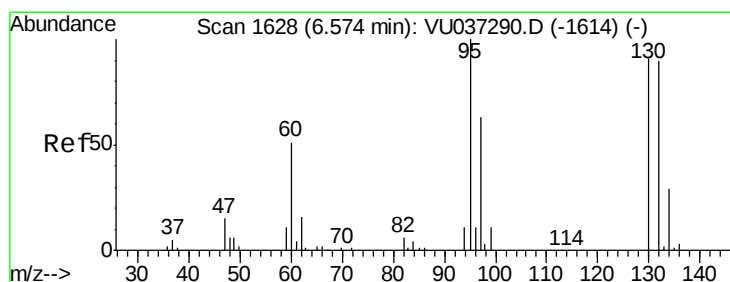
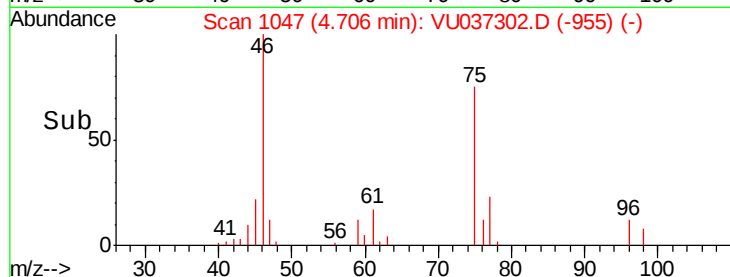
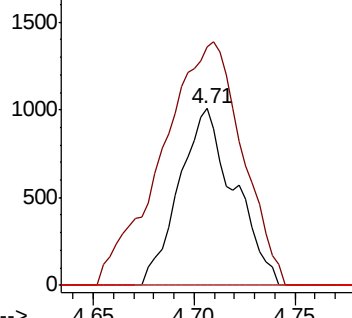
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037290.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU037290.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU037290.D (-1032) (-)



#34

Trichloroethene

Concen: 5.599 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037302.D

Acq: 16 Mar 2020 19:05

Tgt Ion: 95 Resp: 56371

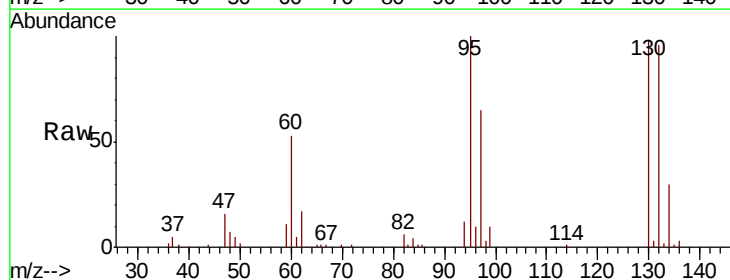
Ion Ratio Lower Upper

95 100

97 64.5 44.3 82.3

132 96.3 63.2 117.4

130 97.8 64.0 119.0

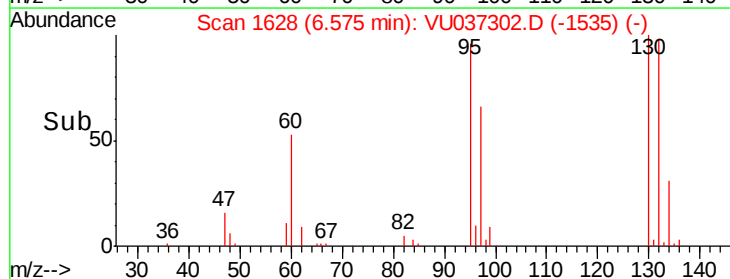
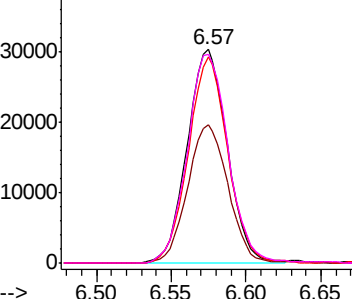


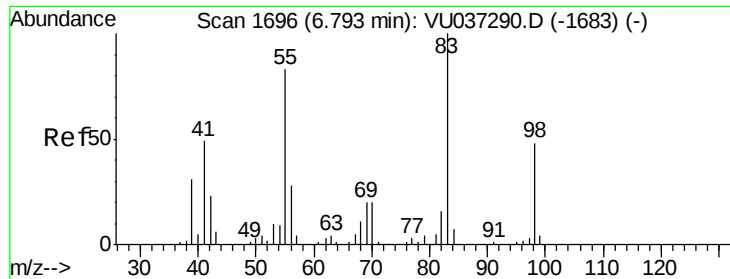
Abundance Ion 95.00 (94.70 to 95.70): VU037290.D (-1614) (-)

Ion 96.95 (96.65 to 97.65): VU037290.D (-1614) (-)

Ion 131.95 (131.65 to 132.65): VU037290.D (-1614) (-)

Ion 129.95 (129.65 to 130.65): VU037290.D (-1614) (-)





#35

Methylcyclohexane

Concen: 0.703 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037302.D

Acq: 16 Mar 2020 19:05

Instrument :

MSVOA_U

ClientSampleId :

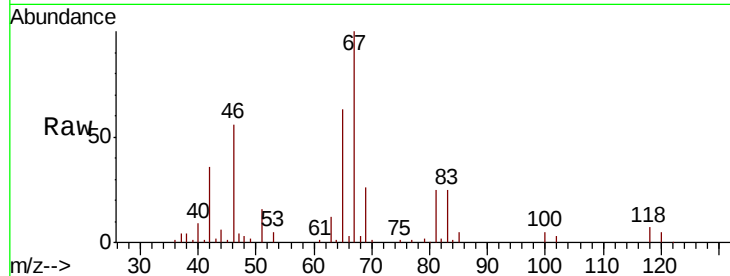
Tot Ion: 83 Resp: 10703

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.6#

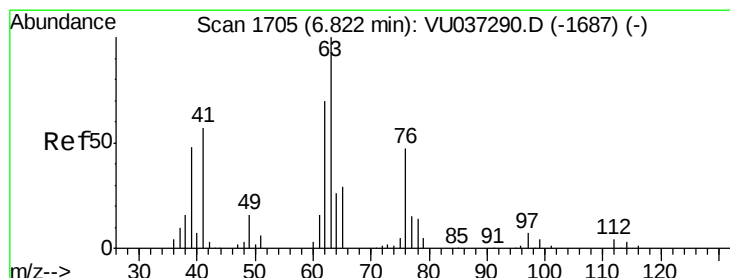
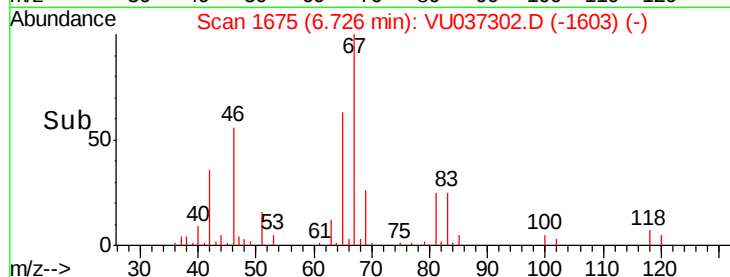
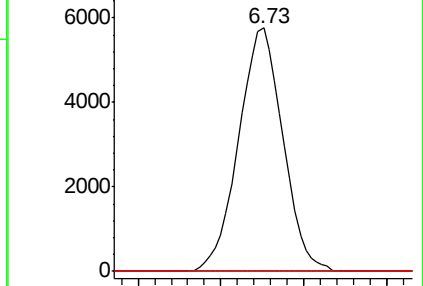
98 0.0 37.4 56.0#



Abundance Ion 83.15 (82.85 to 83.85): VU037290.D (-1683) (-)

Ion 55.10 (54.80 to 55.80): VU037290.D (-1683) (-)

Ion 98.15 (97.85 to 98.85): VU037290.D (-1683) (-)



#37

1,2-Dichloropropane

Concen: 0.567 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037302.D

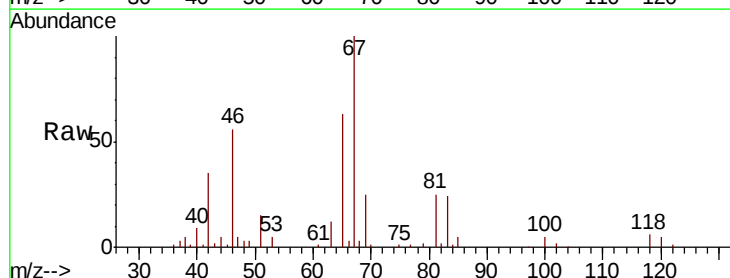
Acq: 16 Mar 2020 19:05

Tgt Ion: 63 Resp: 5525

Ion Ratio Lower Upper

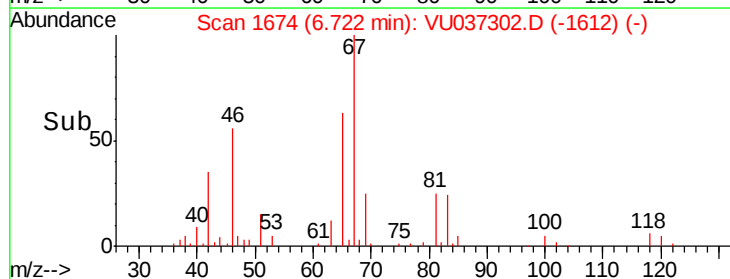
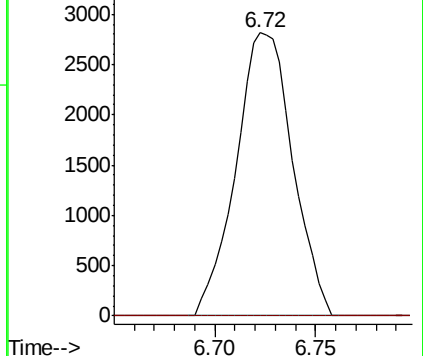
63 100

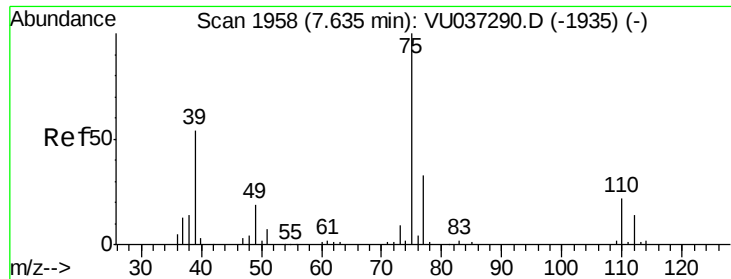
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU037290.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU037290.D (-1687) (-)

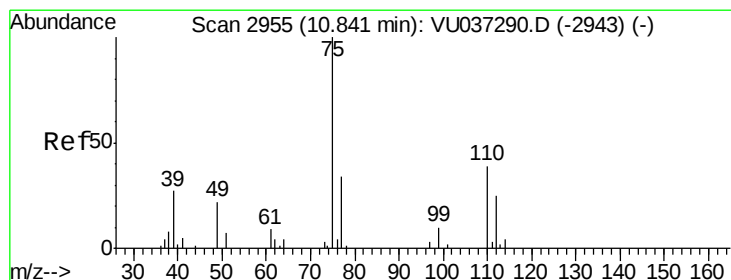
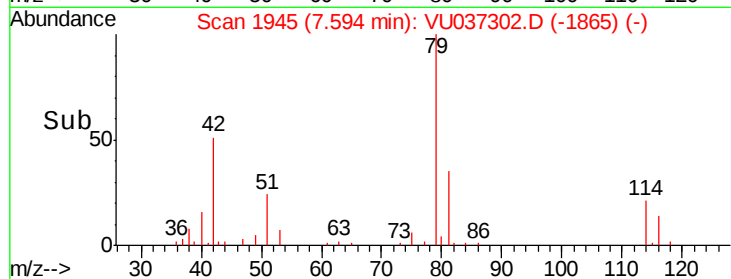
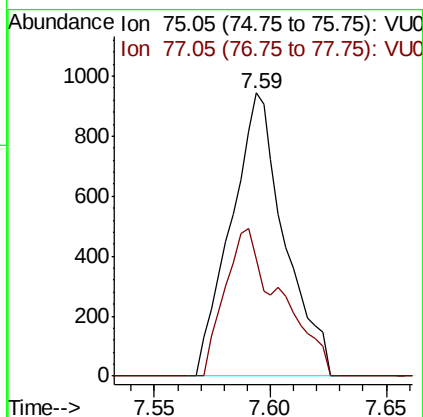
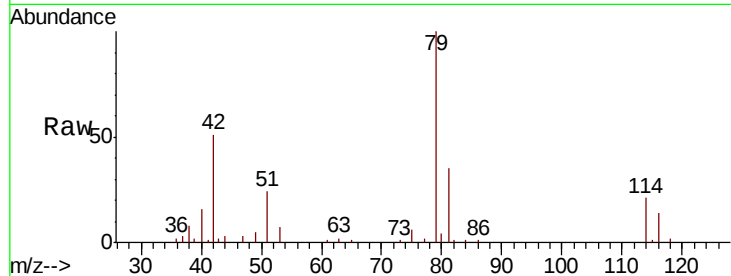




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037302.D
 Acq: 16 Mar 2020 19:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 1513
 Ion Ratio Lower Upper
 75 100
 77 41.3 23.0 42.8



#59
 1,2,3-Trichloropropane
 Concen: 0.970 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU037302.D
 Acq: 16 Mar 2020 19:05

Tgt Ion: 75 Resp: 6712
 Ion Ratio Lower Upper
 75 100
 77 41.2 26.4 39.6#

