

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037921.D
 Acq On : 29 Apr 2020 18:51
 Operator : JC/MD
 Sample : L2395-02DL 400X
 Misc : 5.6mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:22:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	579311	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	556677	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	252994	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	205446	40.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.18%
7) Chloroethane-d5	1.93	69	191306	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.54%
11) 1,1-Dichloroethene-d2	2.59	63	283816	34.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.28%
21) 2-Butanone-d5	4.66	46	429124	107.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.00%
24) Chloroform-d	5.10	84	392881	50.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.92%
26) 1,2-Dichloroethane-d4	5.74	65	283054	53.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.04%
32) Benzene-d6	5.76	84	820574	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
36) 1,2-Dichloropropane-d6	6.72	67	281317	53.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.86%
41) Toluene-d8	7.92	98	720759	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%
43) trans-1,3-Dichloropropene-	8.20	79	119073	43.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.88%
47) 2-Hexanone-d5	8.65	63	318901	111.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.26%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	401099	54.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.50%
64) 1,2-Dichlorobenzene-d4	12.20	152	262812	53.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.78%

Target Compounds

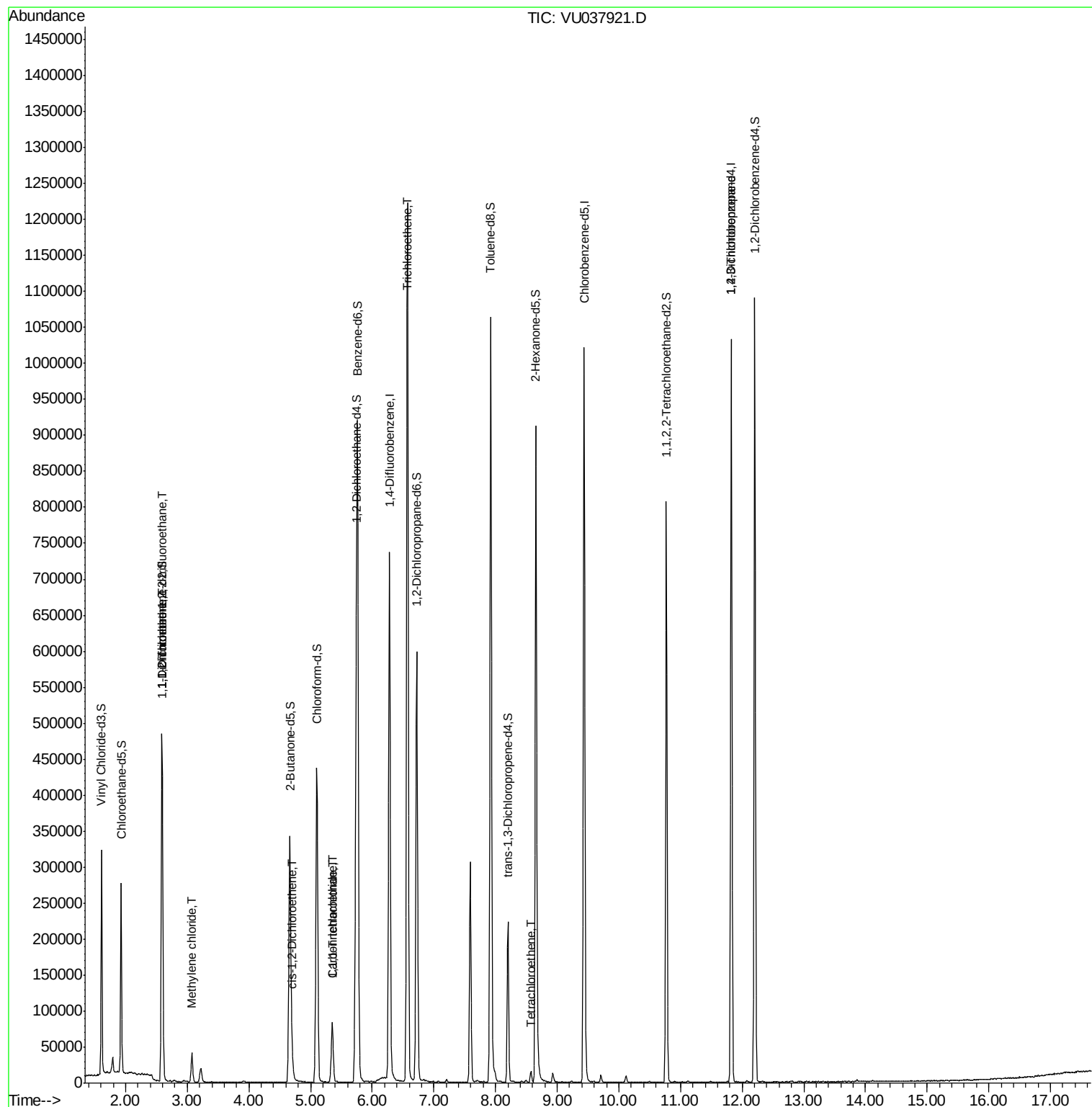
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2753	0.773	ug/L #	21
12) 1,1-Dichloroethene	2.60	96	26657	7.579	ug/L #	1
16) Methylene chloride	3.08	84	18207	4.357	ug/L	92
20) cis-1,2-Dichloroethene	4.71	96	9514	2.210	ug/L	93
30) 1,1,1-Trichloroethane	5.35	97	59603	9.587	ug/L	99
31) Carbon tetrachloride	5.35	117	7695	1.531	ug/L	100
34) Trichloroethene	6.57	95	420454	101.449	ug/L	99
46) Tetrachloroethene	8.57	164	3292	1.087	ug/L	94
59) 1,2,3-Trichloropropane	11.82	75	34450	5.557	ug/L	92

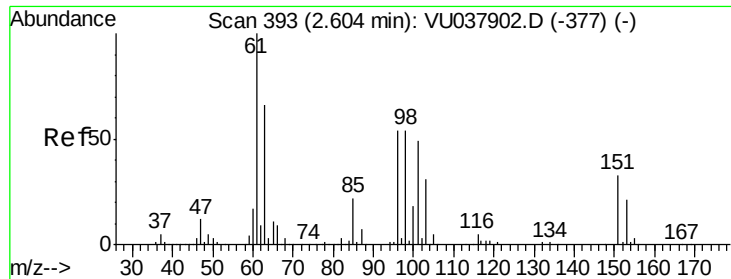
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 30 01:17:58 2020
Response via : Initial Calibration





#10

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

Concen: 0.773 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU037921.D

Acq: 29 Apr 2020 18:51

Instrument :

MSVOA_U

ClientSampled :

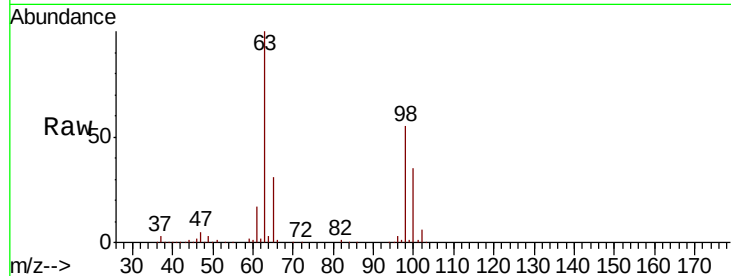
Tot Ion:101 Resp: 2753

Ion Ratio Lower Upper

101 100

85 0.0 36.2 54.4#

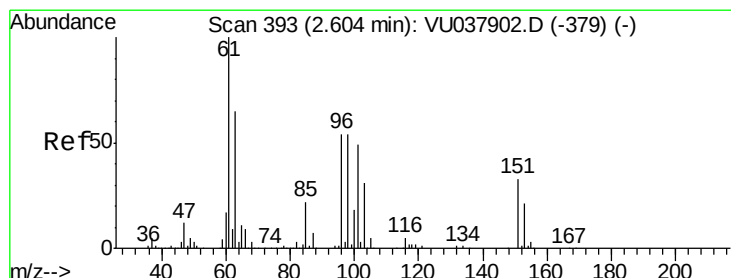
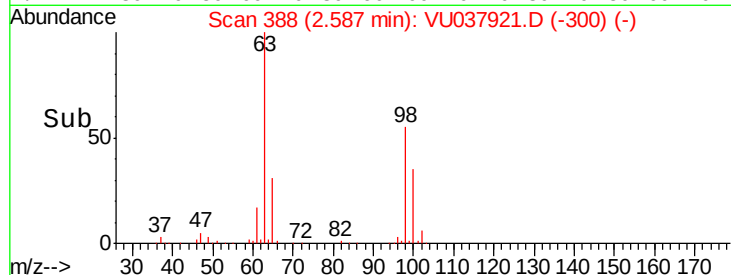
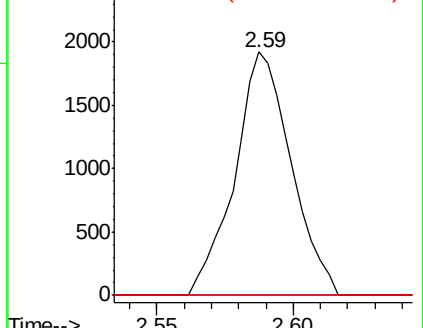
151 0.0 55.5 83.3#



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



#12

1,1-Dichloroethene

Concen: 7.579 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037921.D

Acq: 29 Apr 2020 18:51

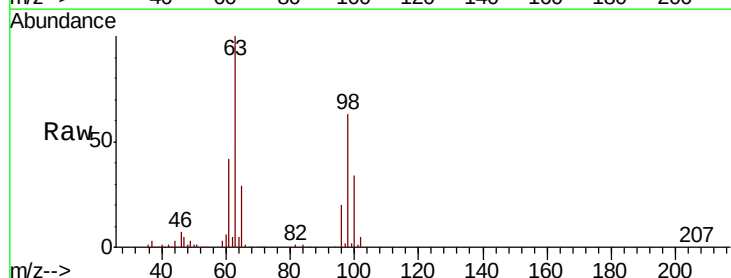
Tgt Ion: 96 Resp: 26657

Ion Ratio Lower Upper

96 100

61 210.2 134.1 249.0

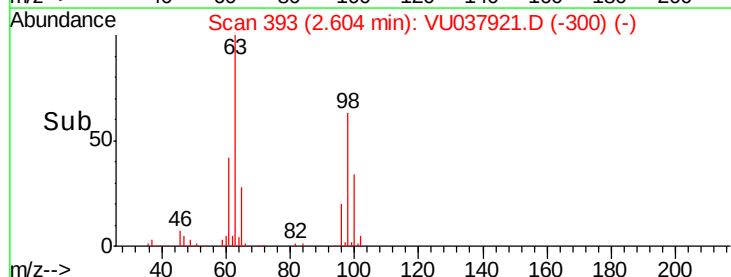
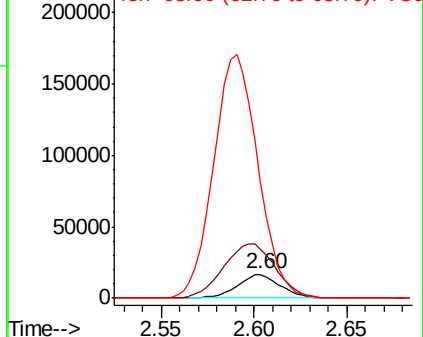
63 498.2 96.5 179.1#

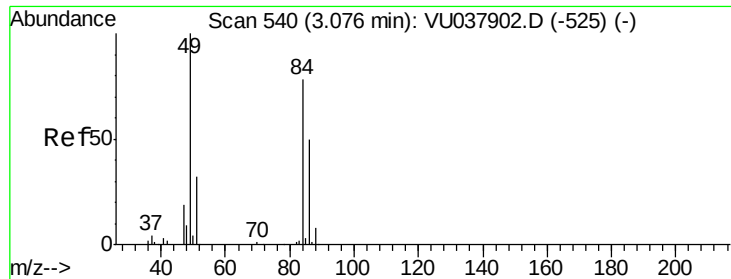


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

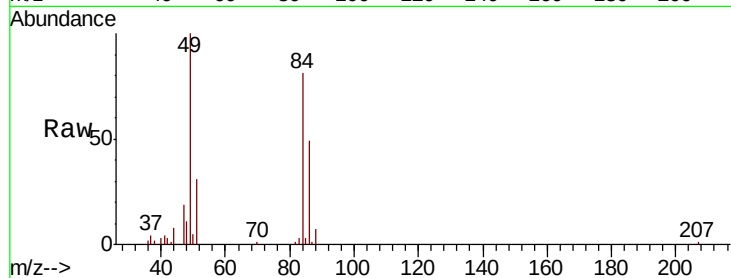




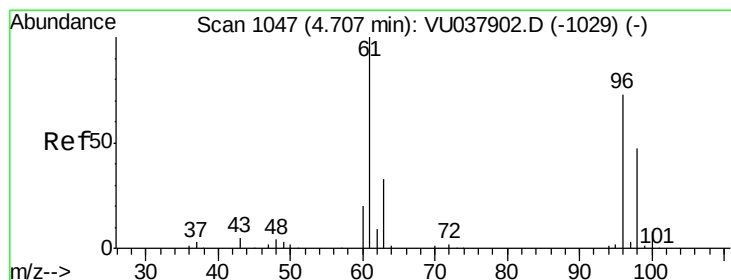
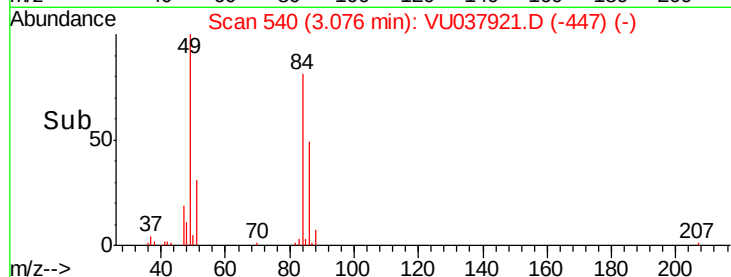
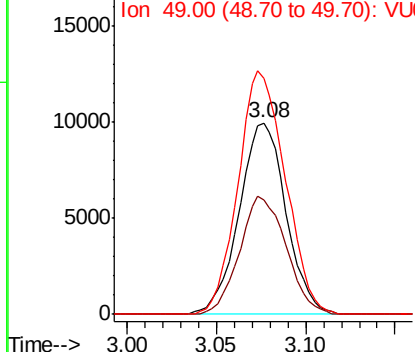
#16
Methylene chloride
Concen: 4.357 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037921.D
Acq: 29 Apr 2020 18:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 18207
Ion Ratio Lower Upper
84 100
86 60.0 43.5 80.7
49 123.7 95.1 176.7

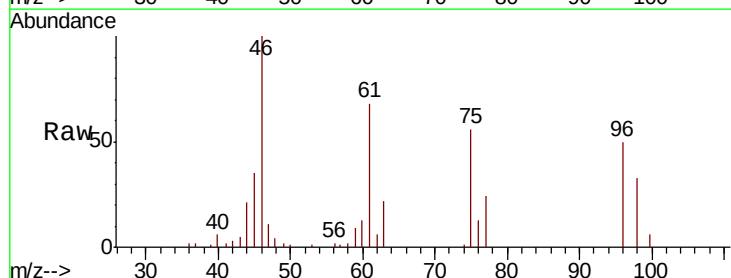


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

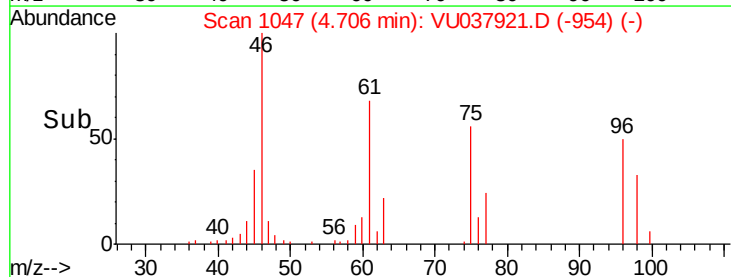
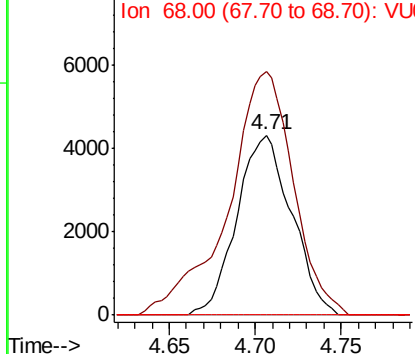


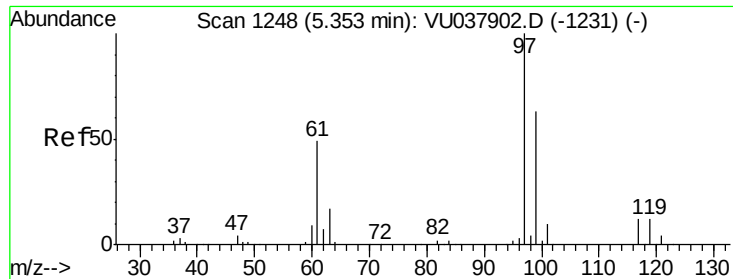
#20
cis-1,2-Dichloroethene
Concen: 2.210 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU037921.D
Acq: 29 Apr 2020 18:51

Tgt Ion: 96 Resp: 9514
Ion Ratio Lower Upper
96 100
61 135.3 100.4 186.4
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

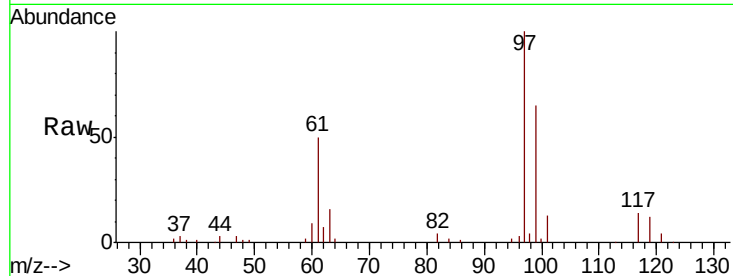




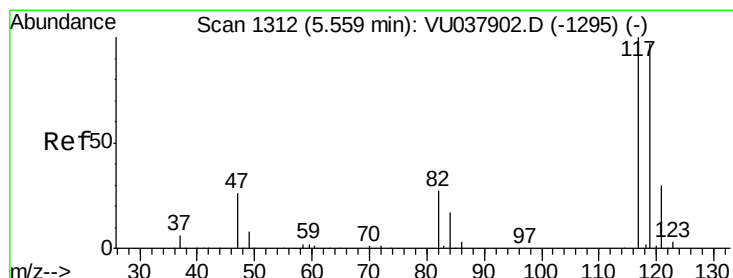
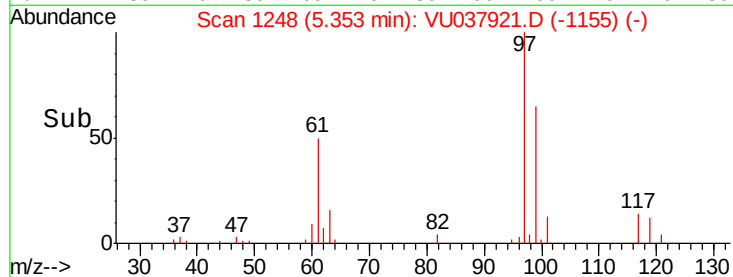
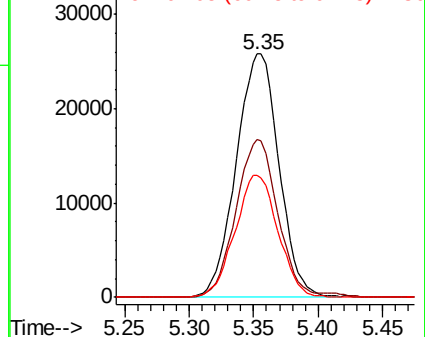
#30
 1,1,1-Trichloroethane
 Concen: 9.587 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037921.D
 Acq: 29 Apr 2020 18:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 59603
 Ion Ratio Lower Upper
 97 100
 99 63.0 50.7 76.1
 61 50.2 38.9 58.3

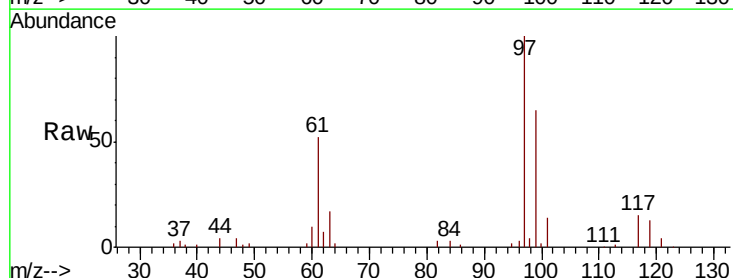


Abundance Ion 97.00 (96.70 to 97.70): VU037921.D (-1155) (-)
 Ion 99.00 (98.70 to 99.70): VU037921.D (-1155) (-)
 Ion 61.05 (60.75 to 61.75): VU037921.D (-1155) (-)

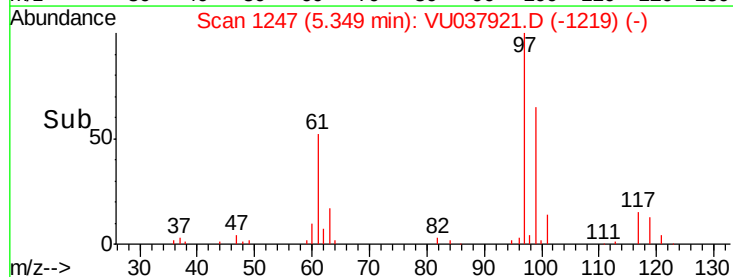
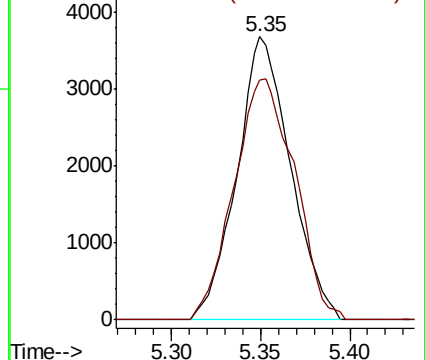


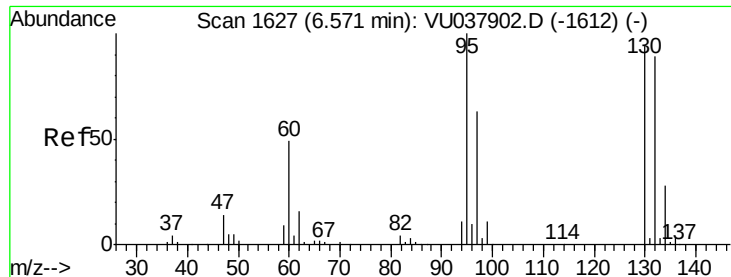
#31
 Carbon tetrachloride
 Concen: 1.531 ug/L
 RT: 5.35 min Scan# 1247
 Delta R.T. -0.21 min
 Lab File: VU037921.D
 Acq: 29 Apr 2020 18:51

Tgt Ion: 117 Resp: 7695
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): VU037921.D (-1219) (-)
 Ion 119.00 (118.70 to 119.70): VU037921.D (-1219) (-)

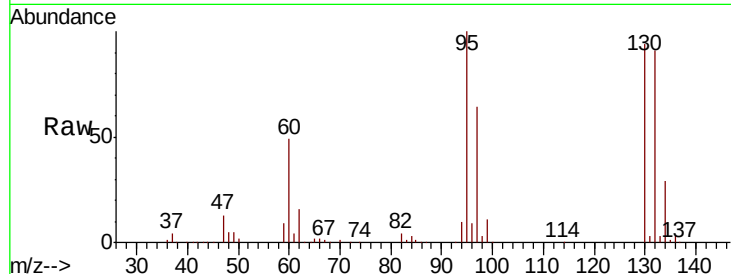




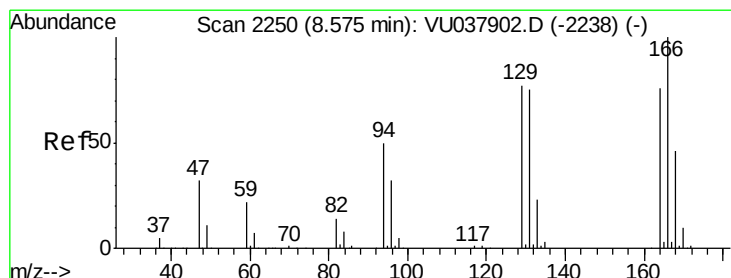
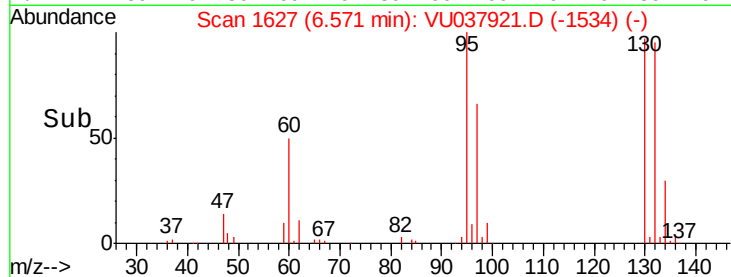
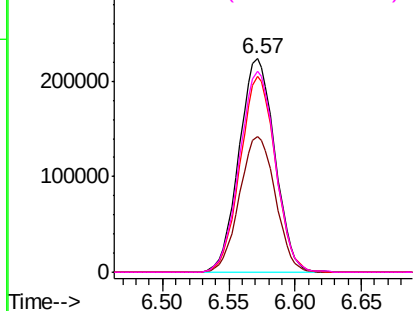
#34
 Trichloroethene
 Concen: 101.449 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037921.D
 Acq: 29 Apr 2020 18:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 420454
 Ion Ratio Lower Upper
 95 100
 97 63.6 44.4 82.5
 132 91.5 65.0 120.6
 130 94.2 65.5 121.7

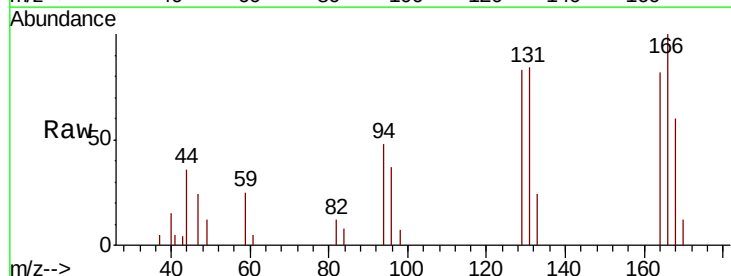


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

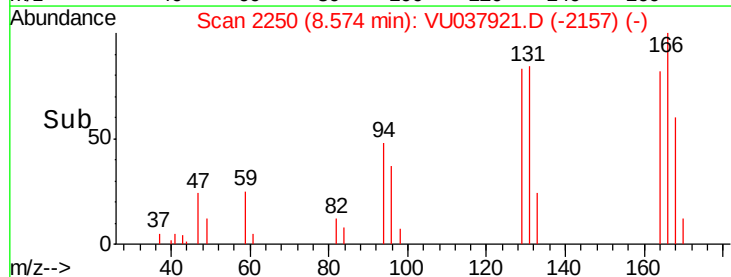
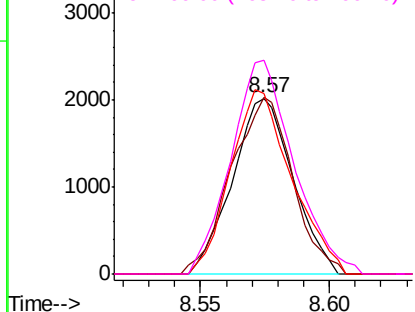


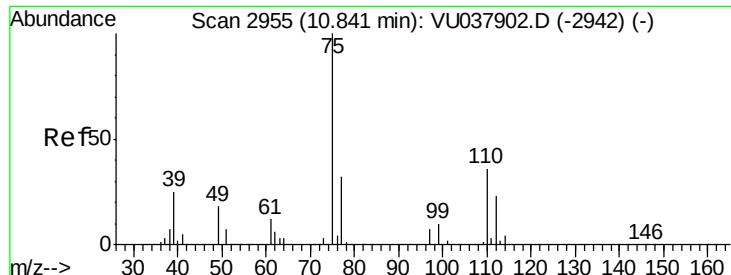
#46
 Tetrachloroethene
 Concen: 1.087 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037921.D
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Tgt Ion:164 Resp: 3292
 Ion Ratio Lower Upper
 164 100
 129 100.7 67.3 125.1
 131 102.7 64.8 120.4
 166 121.8 88.5 164.4



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#59

1,2,3-Trichloropropane

Concen: 5.557 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU037921.D

Acq: 29 Apr 2020 18:51

Instrument :

MSVOA_U

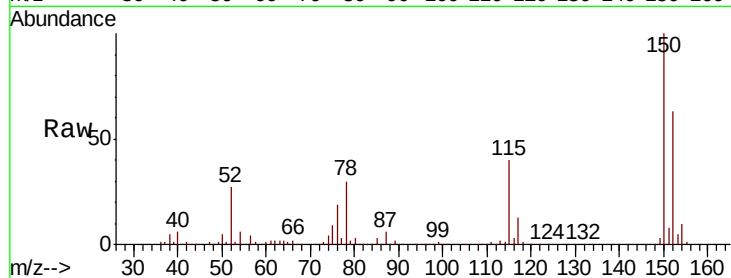
ClientSampleId :

Tot Ion: 75 Resp: 34450

Ion Ratio Lower Upper

75 100

77 36.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

