

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037927.D
 Acq On : 29 Apr 2020 21:54
 Operator : JC/MD
 Sample : L2395-18 50X
 Misc : 5.6mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 04:12:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 04:10:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	676678	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	657178	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	302149	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	189310	32.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.04%
7) Chloroethane-d5	1.93	69	184455	40.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.50%
11) 1,1-Dichloroethene-d2	2.59	63	295125	30.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.68%
21) 2-Butanone-d5	4.66	46	442528	94.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.46%
24) Chloroform-d	5.10	84	379510	42.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.28%
26) 1,2-Dichloroethane-d4	5.74	65	279122	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
32) Benzene-d6	5.76	84	818430	44.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.08%
36) 1,2-Dichloropropane-d6	6.72	67	282339	45.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.84%
41) Toluene-d8	7.92	98	720013	42.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.30%
43) trans-1,3-Dichloropropene-	8.20	79	125978	39.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.76%
47) 2-Hexanone-d5	8.65	63	316478	93.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.53%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	420899	48.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.34%
64) 1,2-Dichlorobenzene-d4	12.20	152	276976	47.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.22%

Target Compounds

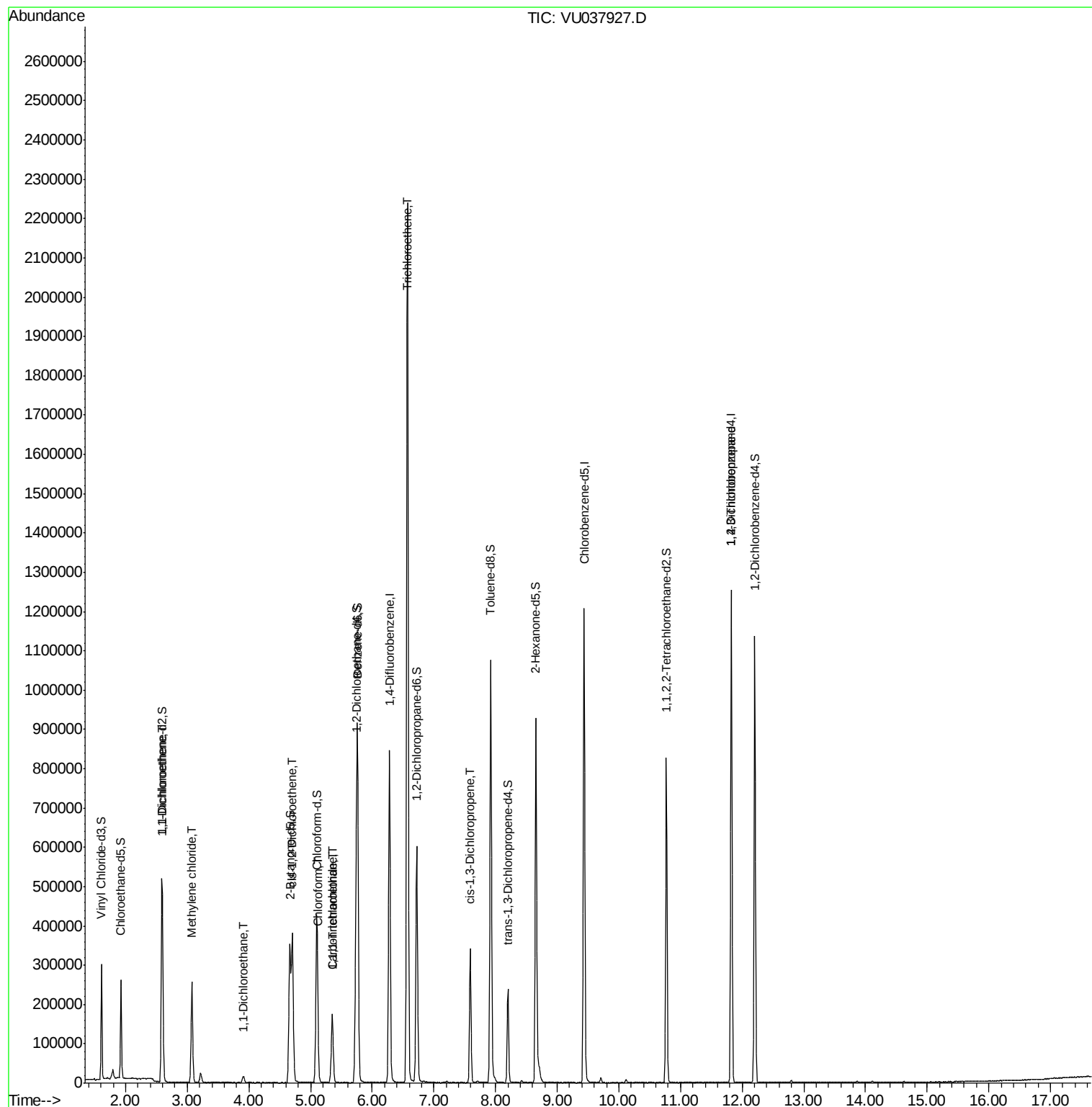
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	54457	13.256	ug/L #	57
16) Methylene chloride	3.08	84	115589	23.679	ug/L	94
19) 1,1-Dichloroethane	3.91	63	18617	2.011	ug/L	93
20) cis-1,2-Dichloroethene	4.71	96	176029	35.000	ug/L	98
25) Chloroform	5.12	83	16874	1.948	ug/L	95
30) 1,1,1-Trichloroethane	5.35	97	123761	16.863	ug/L	99
31) Carbon tetrachloride	5.36	117	15785	2.661	ug/L	100
34) Trichloroethene	6.57	95	758179	154.961	ug/L	98
39) cis-1,3-Dichloropropene	7.59	75	7269	0.833	ug/L #	68
59) 1,2,3-Trichloropropane	11.82	75	42113	5.754	ug/L	94

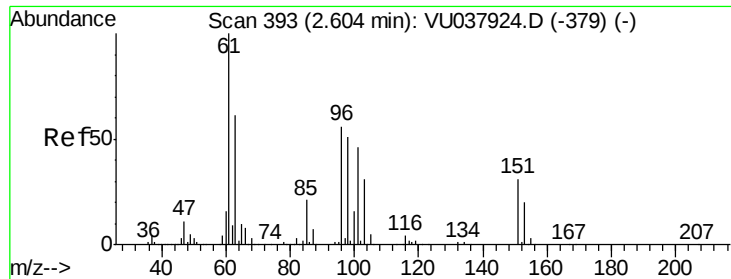
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 30 04:10:11 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 13.256 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037927.D

Acq: 29 Apr 2020 21:54

Instrument :

MSVOA_U

ClientSampleId :

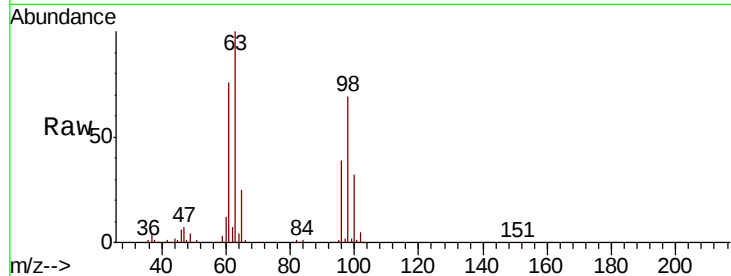
Tot Ion: 96 Resp: 54457

Ion Ratio Lower Upper

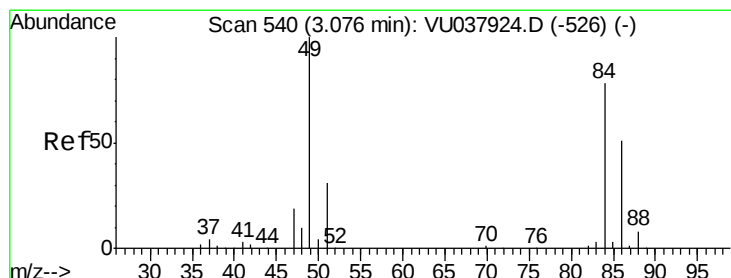
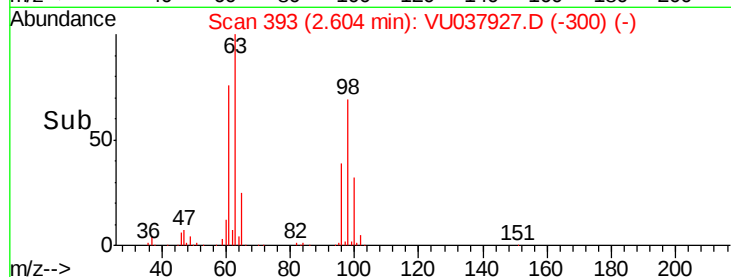
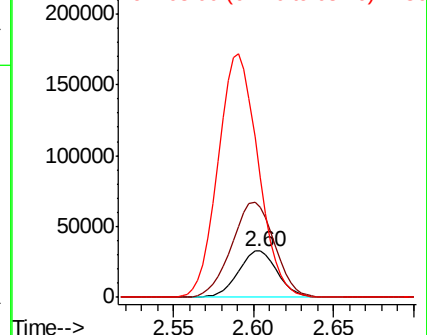
96 100

61 194.7 134.1 249.0

63 257.2 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: 23.679 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037927.D

Acq: 29 Apr 2020 21:54

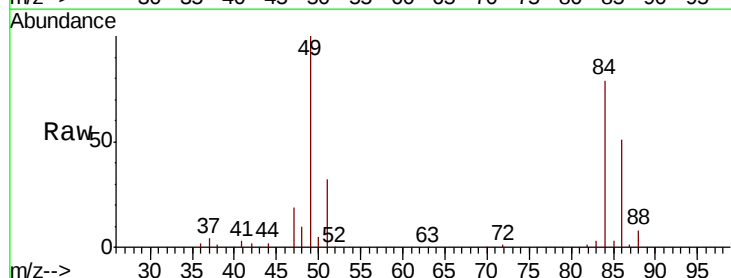
Tgt Ion: 84 Resp: 115589

Ion Ratio Lower Upper

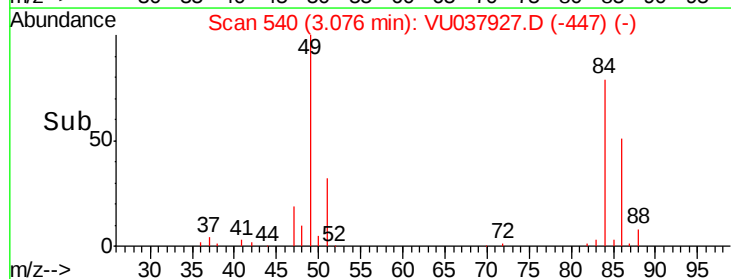
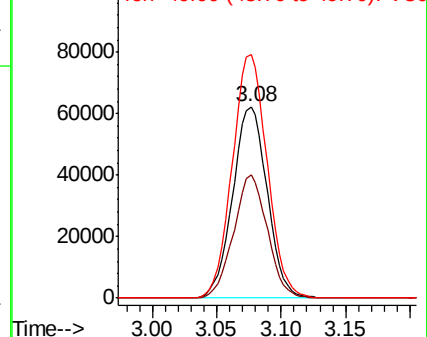
84 100

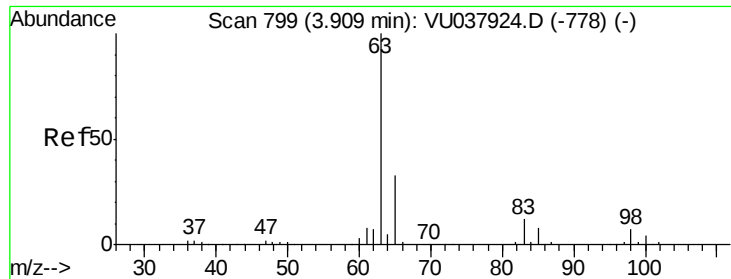
86 64.3 43.5 80.7

49 127.2 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

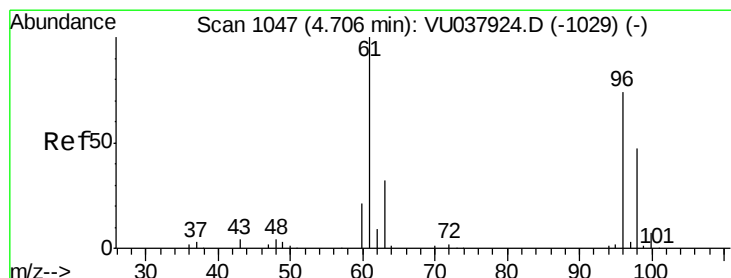
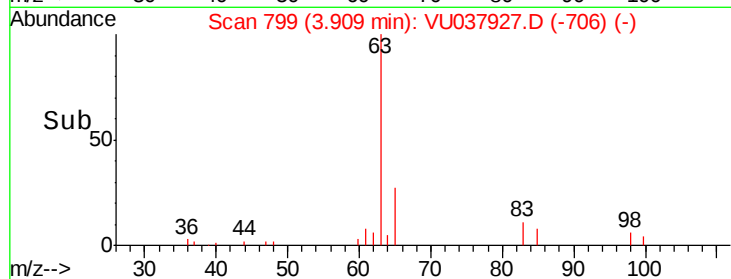
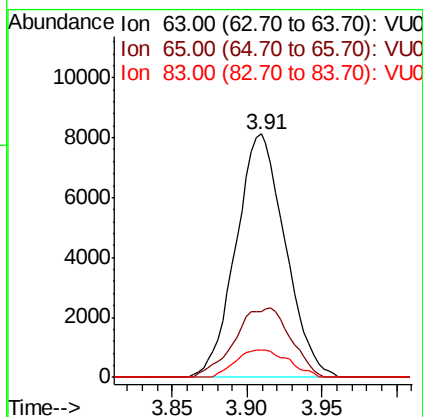
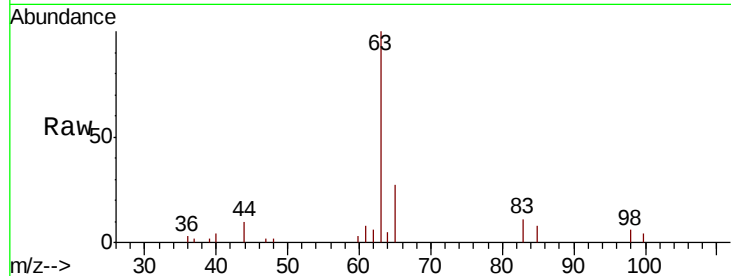




#19
 1,1-Dichloroethane
 Concen: 2.011 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU037927.D
 Acq: 29 Apr 2020 21:54

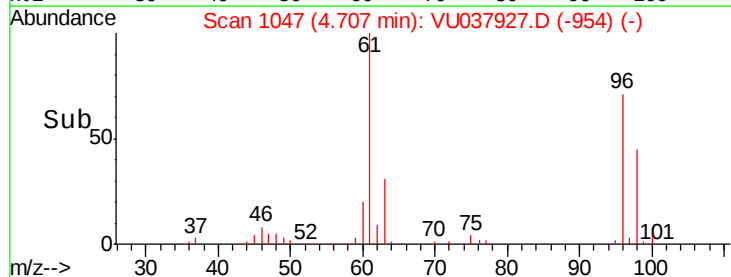
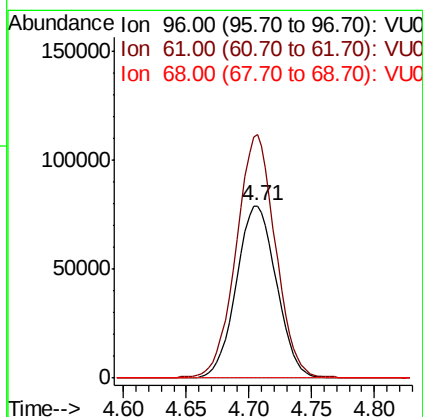
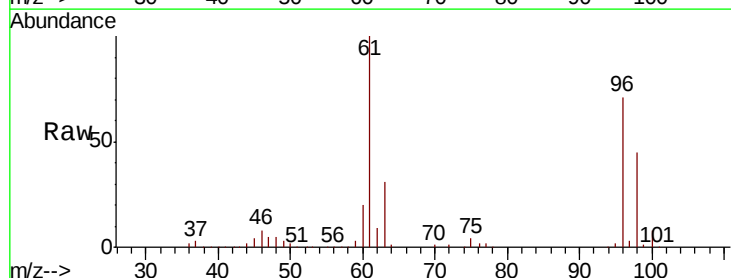
Instrument :
 MSVOA_U
 ClientSampled :

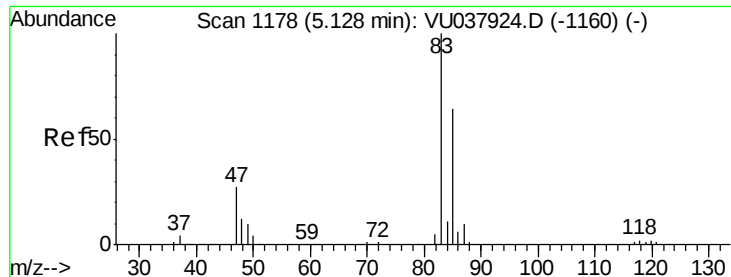
Tot Ion: 63 Resp: 18617
 Ion Ratio Lower Upper
 63 100
 65 27.2 22.2 41.2
 83 11.1 8.6 16.0



#20
 cis-1,2-Dichloroethene
 Concen: 35.000 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037927.D
 Acq: 29 Apr 2020 21:54

Tgt Ion: 96 Resp: 176029
 Ion Ratio Lower Upper
 96 100
 61 141.1 100.4 186.4
 68 0.0 0.0 0.0

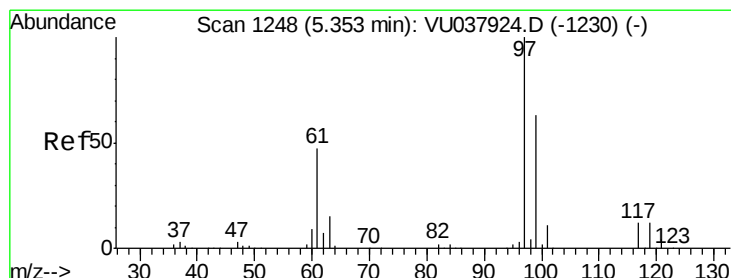
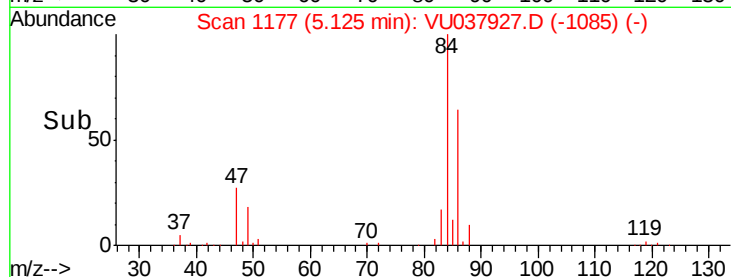
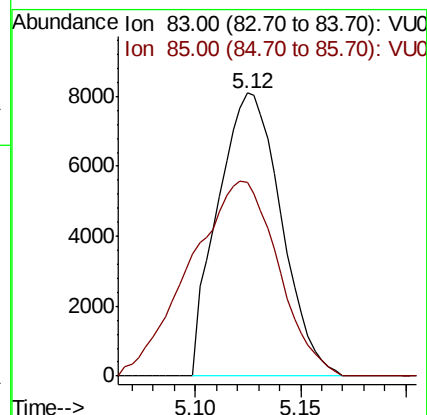
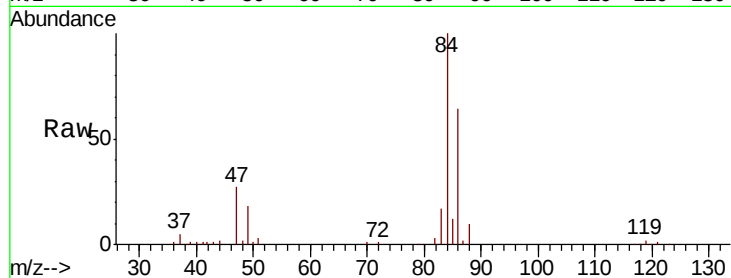




#25
Chloroform
Concen: 1.948 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037927.D
Acq: 29 Apr 2020 21:54

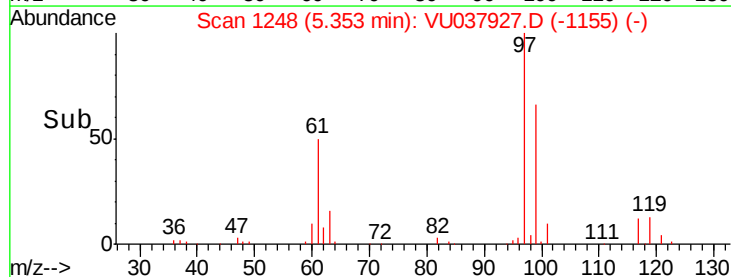
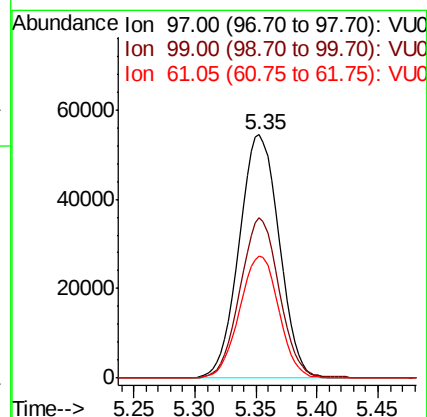
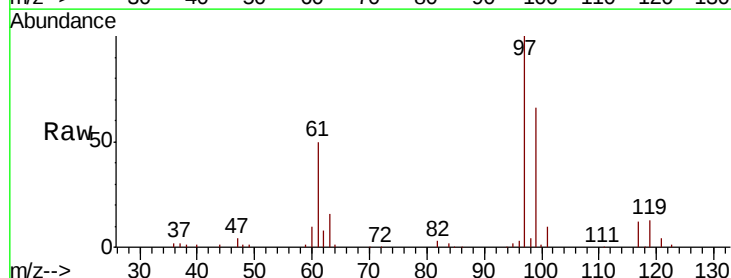
Instrument :
MSVOA_U
ClientSampled :

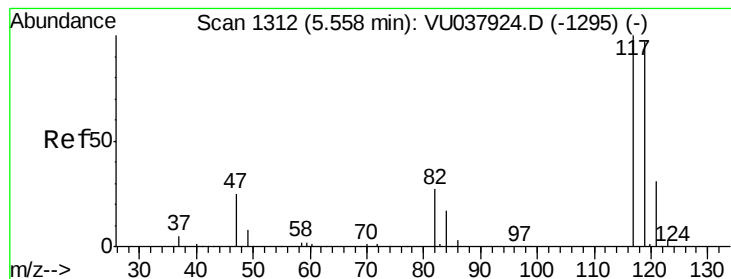
Tot Ion: 83 Resp: 16874
Ion Ratio Lower Upper
83 100
85 68.7 45.1 83.9



#30
1,1,1-Trichloroethane
Concen: 16.863 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037927.D
Acq: 29 Apr 2020 21:54

Tgt Ion: 97 Resp: 123761
Ion Ratio Lower Upper
97 100
99 64.2 50.7 76.1
61 49.1 38.9 58.3





#31

Carbon tetrachloride

Concen: 2.661 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.20 min

Lab File: VU037927.D

Acq: 29 Apr 2020 21:54

Instrument :

MSVOA_U

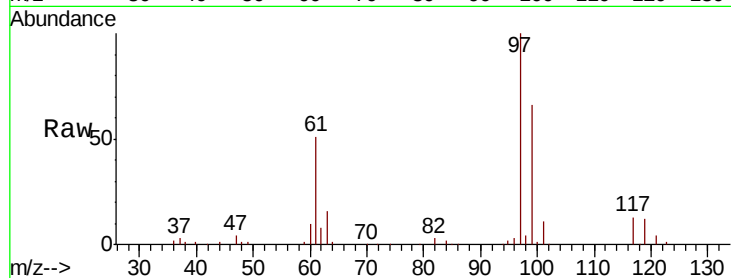
ClientSampleId :

Tot Ion:117 Resp: 15785

Ion Ratio Lower Upper

117 100

119 95.8 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.36

6000

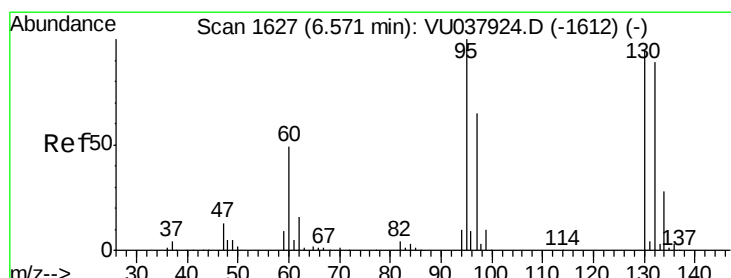
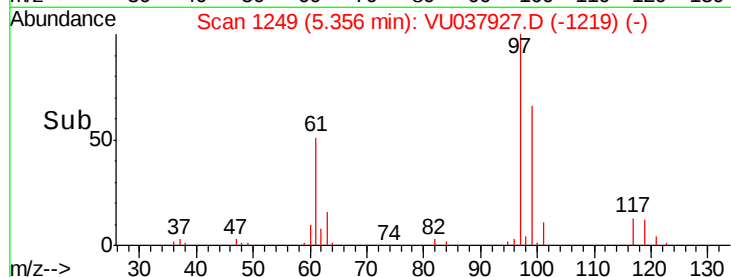
4000

2000

0

Time-->

5.30 5.35 5.40



#34

Trichloroethene

Concen: 154.961 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037927.D

Acq: 29 Apr 2020 21:54

Tgt Ion: 95 Resp: 758179

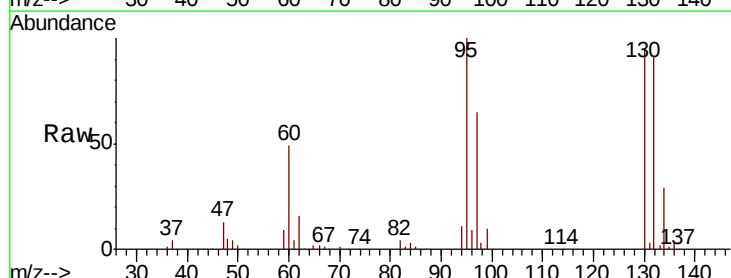
Ion Ratio Lower Upper

95 100

97 64.6 44.4 82.5

132 90.8 65.0 120.6

130 95.2 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

600000

500000

400000

300000

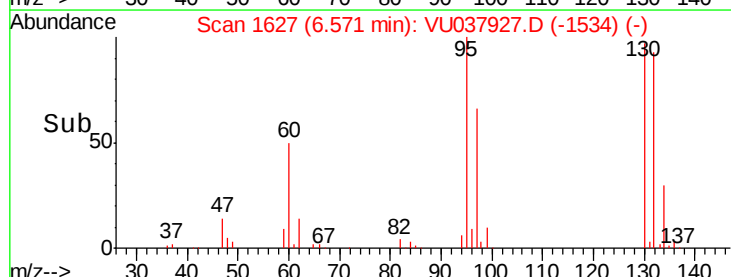
200000

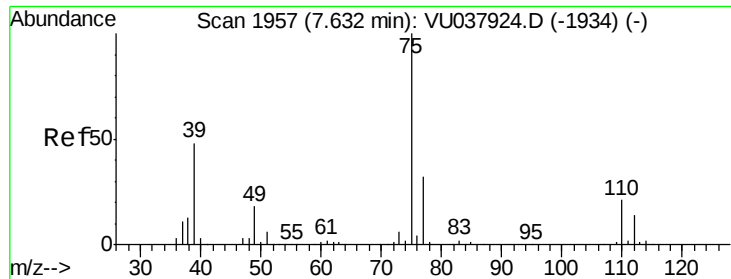
100000

0

Time-->

6.50 6.55 6.60 6.65

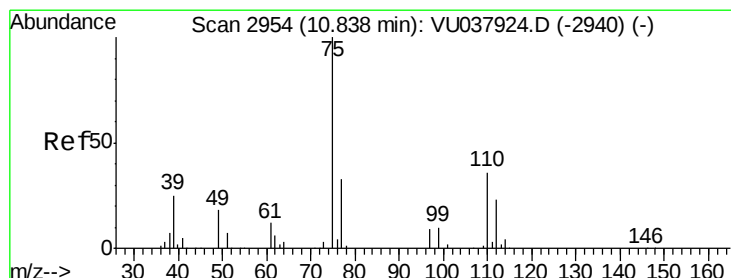
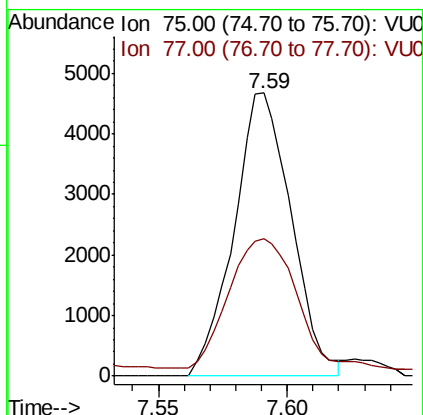
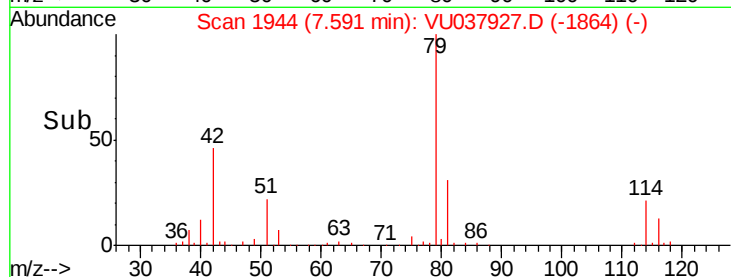
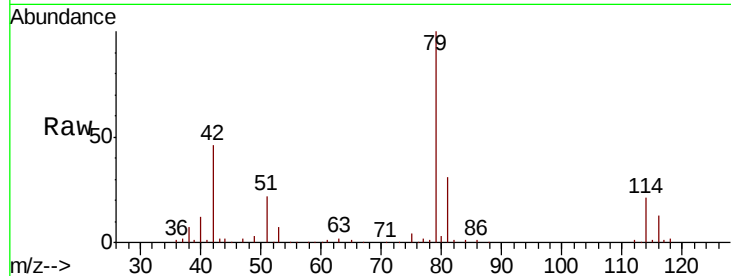




#39
 cis-1,3-Dichloropropene
 Concen: 0.833 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037927.D
 Acq: 29 Apr 2020 21:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 7269
 Ion Ratio Lower Upper
 75 100
 77 48.8 21.7 40.3#



#59
 1,2,3-Trichloropropane
 Concen: 5.754 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU037927.D
 Acq: 29 Apr 2020 21:54

Tgt Ion: 75 Resp: 42113
 Ion Ratio Lower Upper
 75 100
 77 35.6 25.8 38.6

