

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037960.D
 Acq On : 30 Apr 2020 19:13
 Operator : JC/MD
 Sample : L2396-02 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DA7

Quant Time: May 01 06:00:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 02:16:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	717447	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	700807	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	315188	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	285827	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.93	69	241323	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.02%
11) 1,1-Dichloroethene-d2	2.59	63	371189	35.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.92%
21) 2-Butanone-d5	4.66	46	422898	85.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.74%
24) Chloroform-d	5.10	84	430676	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.14%
26) 1,2-Dichloroethane-d4	5.74	65	317464	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
32) Benzene-d6	5.76	84	982529	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
36) 1,2-Dichloropropane-d6	6.72	67	326142	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.24%
41) Toluene-d8	7.92	98	886288	46.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.54%
43) trans-1,3-Dichloropropene-	8.20	79	147744	46.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.00%
47) 2-Hexanone-d5	8.65	63	292361	98.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.15%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	432928	43.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.74%
64) 1,2-Dichlorobenzene-d4	12.20	152	310293	47.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.18%

Target Compounds

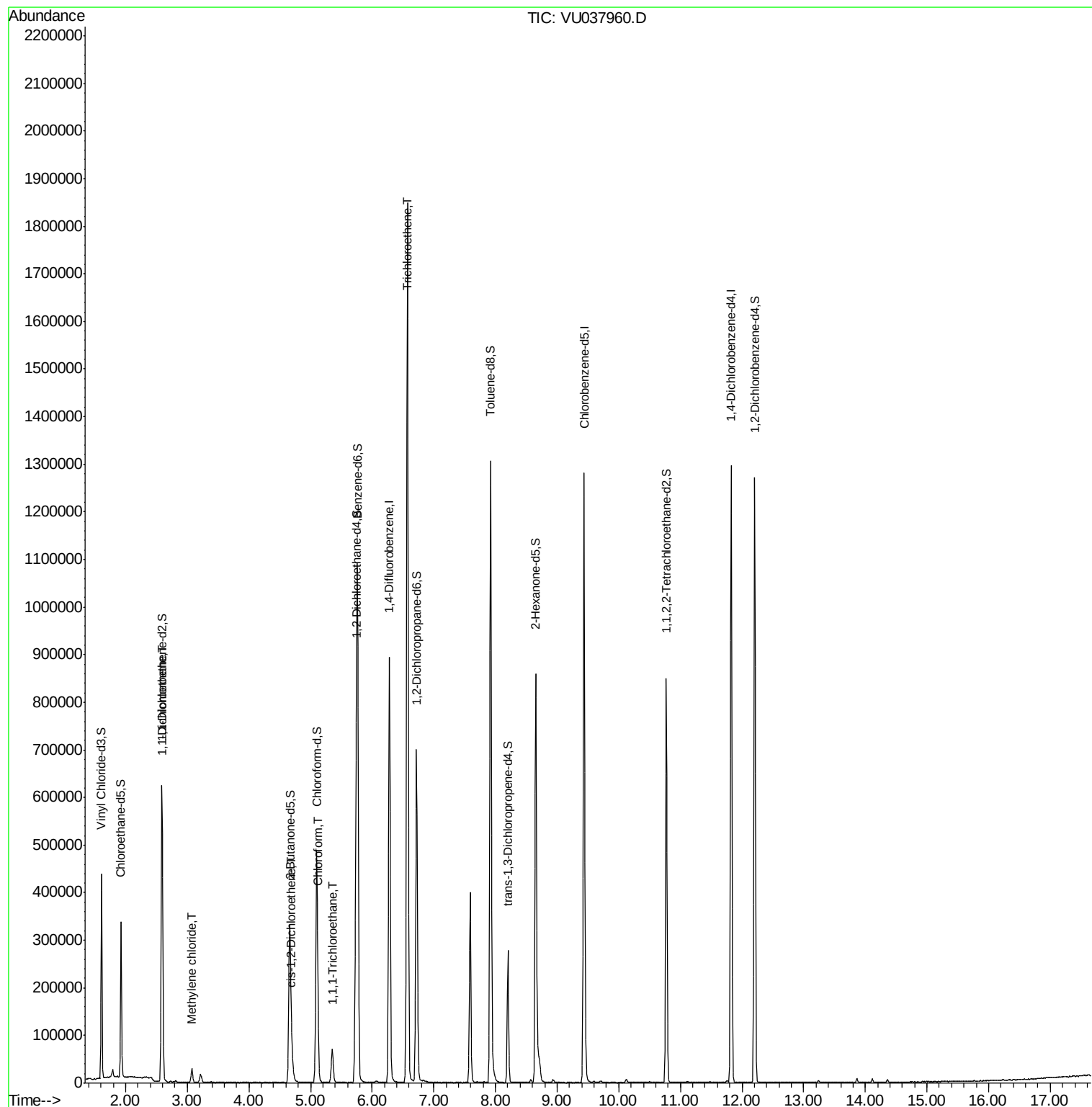
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	34358	7.312	ug/L	# 1
16) Methylene chloride	3.08	84	13760	2.484	ug/L	97
20) cis-1,2-Dichloroethene	4.70	96	13219	2.357	ug/L	98
25) Chloroform	5.12	83	24737	2.550	ug/L	97
30) 1,1,1-Trichloroethane	5.35	97	50553	6.489	ug/L	98
34) Trichloroethene	6.57	95	634897	119.511	ug/L	100

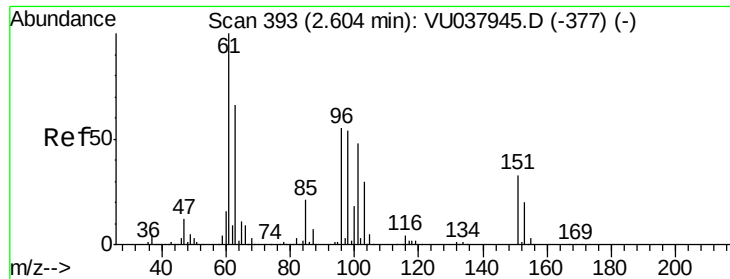
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 7.312 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037960.D

Acq: 30 Apr 2020 19:13

Instrument :

MSVOA_U

ClientSampled :

C0DA7

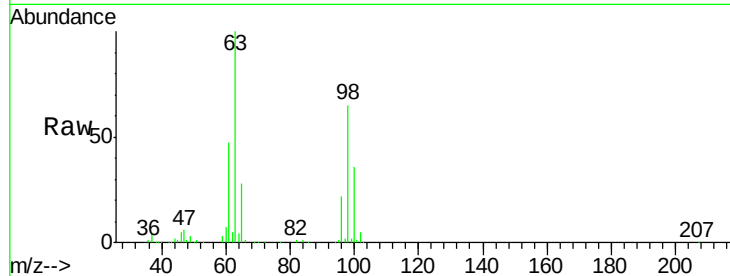
Tot Ion: 96 Resp: 34358

Ion Ratio Lower Upper

96 100

61 216.0 126.1 234.3

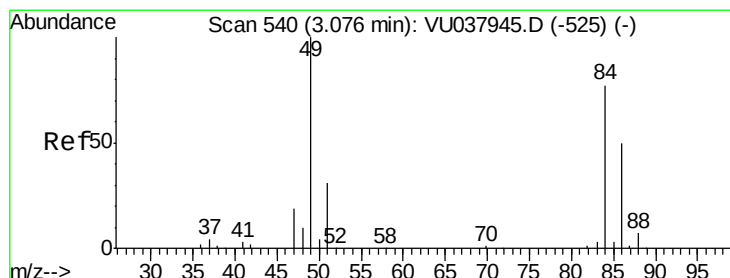
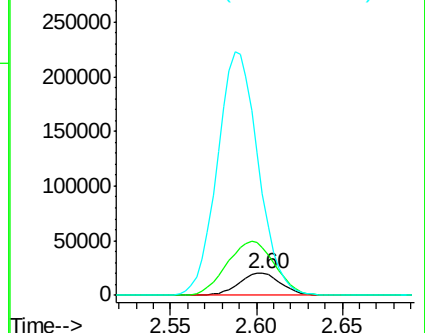
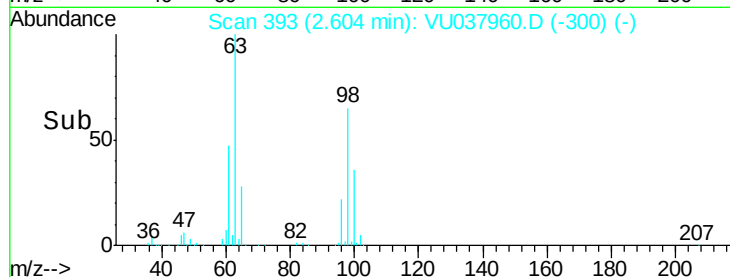
63 460.6 83.4 154.8#



Abundance Ion 96.00 (95.70 to 96.70): VU037960.D (-300) (-)

Ion 61.00 (60.70 to 61.70): VU037960.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU037960.D (-300) (-)



#16

Methylene chloride

Concen: 2.484 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037960.D

Acq: 30 Apr 2020 19:13

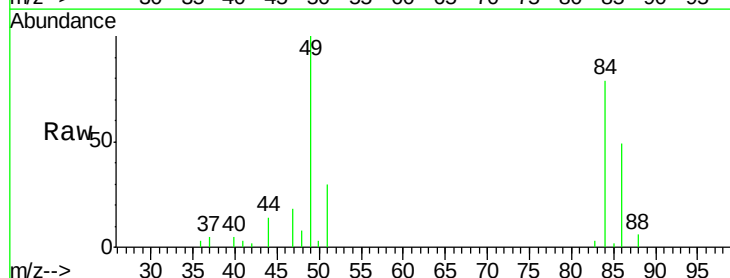
Tgt Ion: 84 Resp: 13760

Ion Ratio Lower Upper

84 100

86 61.5 45.1 83.9

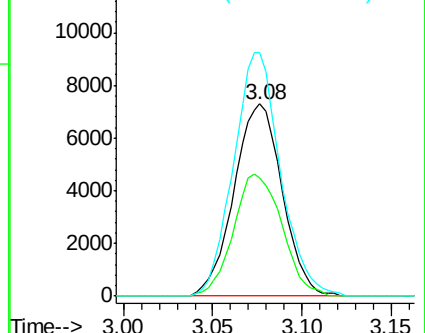
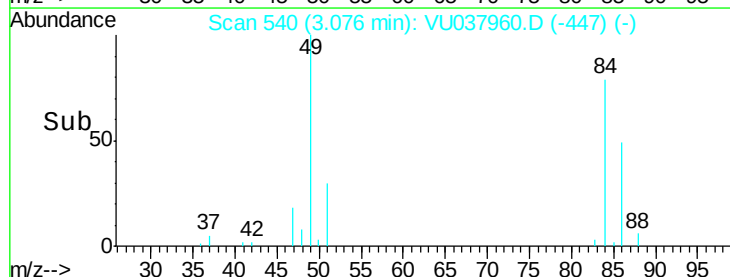
49 126.6 91.2 169.4

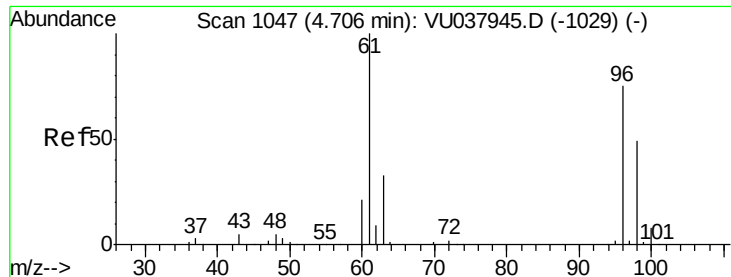


Abundance Ion 84.00 (83.70 to 84.70): VU037960.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU037960.D (-447) (-)

Ion 49.00 (48.70 to 49.70): VU037960.D (-447) (-)

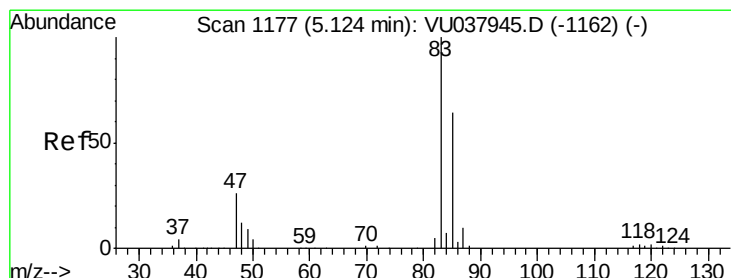
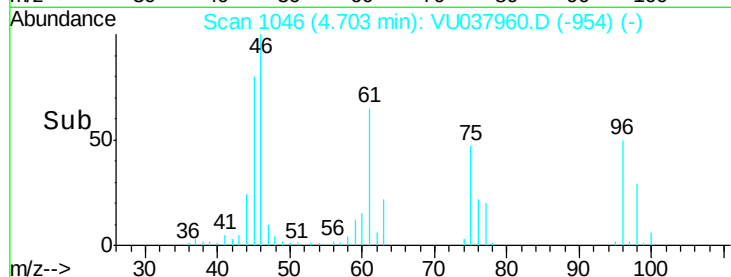
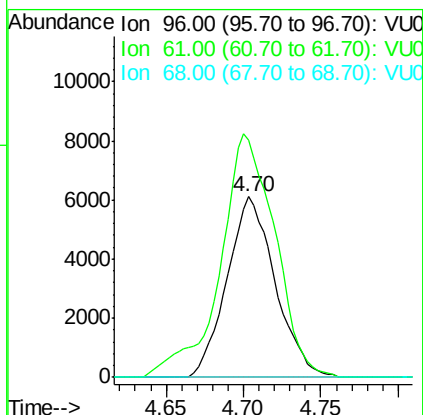
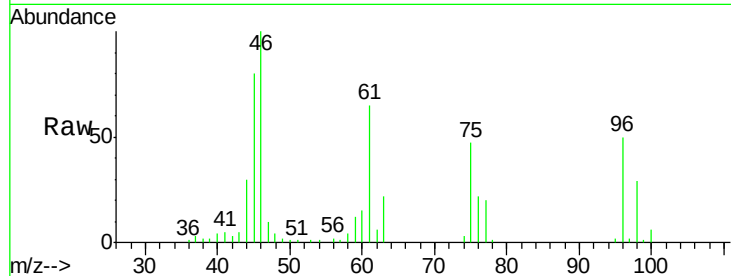




#20
 cis-1,2-Dichloroethene
 Concen: 2.357 ug/L
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037960.D
 Acq: 30 Apr 2020 19:13

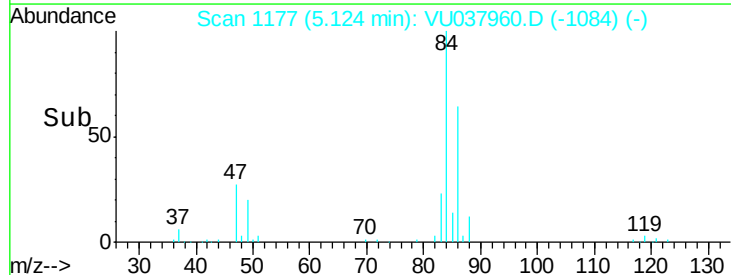
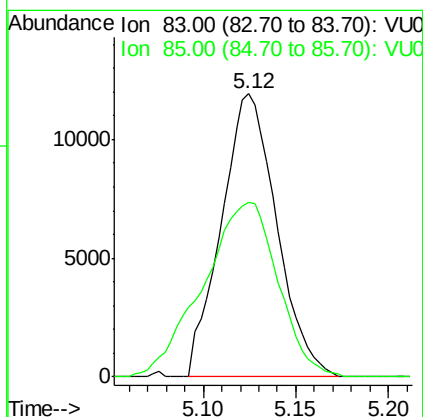
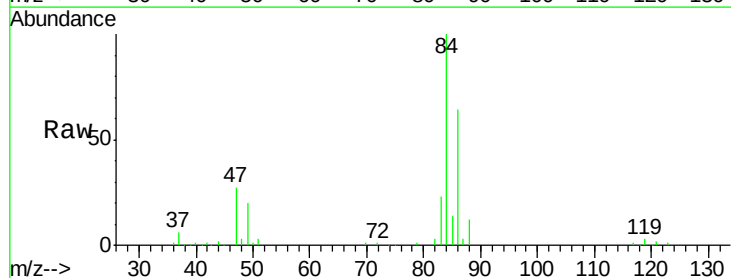
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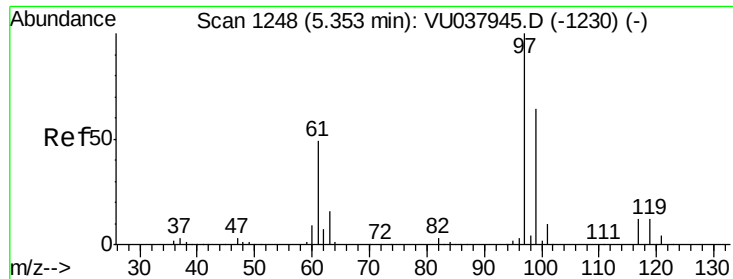
Tot Ion: 96 Resp: 13219
 Ion Ratio Lower Upper
 96 100
 61 131.8 93.9 174.3
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 2.550 ug/L
 RT: 5.12 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VU037960.D
 Acq: 30 Apr 2020 19:13

Tgt Ion: 83 Resp: 24737
 Ion Ratio Lower Upper
 83 100
 85 61.6 45.0 83.6

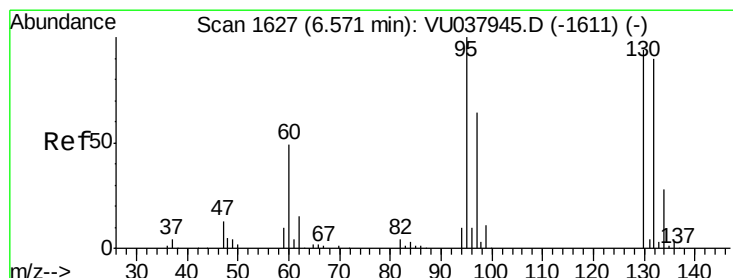
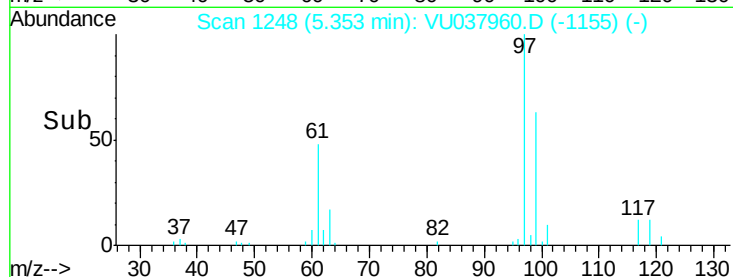
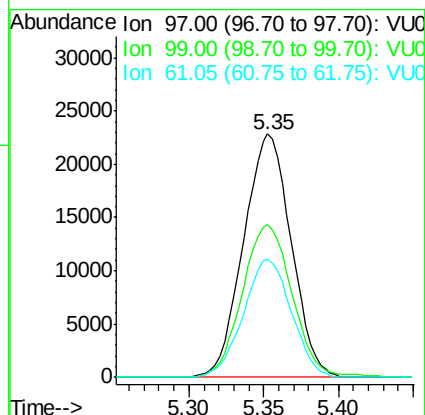
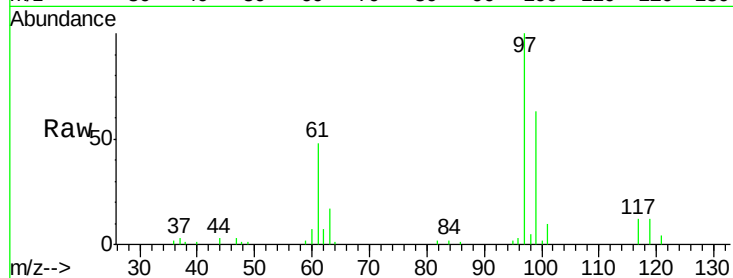




#30
 1,1,1-Trichloroethane
 Concen: 6.489 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037960.D
 Acq: 30 Apr 2020 19:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DA7

Tot Ion: 97 Resp: 50553
 Ion Ratio Lower Upper
 97 100
 99 65.3 50.5 75.7
 61 48.8 38.8 58.2



#34
 Trichloroethene
 Concen: 119.511 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037960.D
 Acq: 30 Apr 2020 19:13

Tgt Ion: 95 Resp: 634897
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.9 83.5
 132 90.0 63.2 117.4
 130 94.3 65.9 122.3

