

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037961.D
 Acq On : 30 Apr 2020 19:35
 Operator : JC/MD
 Sample : L2395-01 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 01 02:21:17 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	706474	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	693041	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	315512	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	291432	46.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.80%
7) Chloroethane-d5	1.93	69	239713	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.84%
11) 1,1-Dichloroethene-d2	2.59	63	375037	36.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.78%
21) 2-Butanone-d5	4.66	46	431948	88.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.94%
24) Chloroform-d	5.10	84	418517	43.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.98%
26) 1,2-Dichloroethane-d4	5.74	65	309443	46.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.60%
32) Benzene-d6	5.76	84	967265	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
36) 1,2-Dichloropropane-d6	6.72	67	315107	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.04%
41) Toluene-d8	7.92	98	873075	46.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.18%
43) trans-1,3-Dichloropropene-	8.20	79	143667	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
47) 2-Hexanone-d5	8.65	63	280870	95.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.35%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	428575	43.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.82%
64) 1,2-Dichlorobenzene-d4	12.20	152	305431	46.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

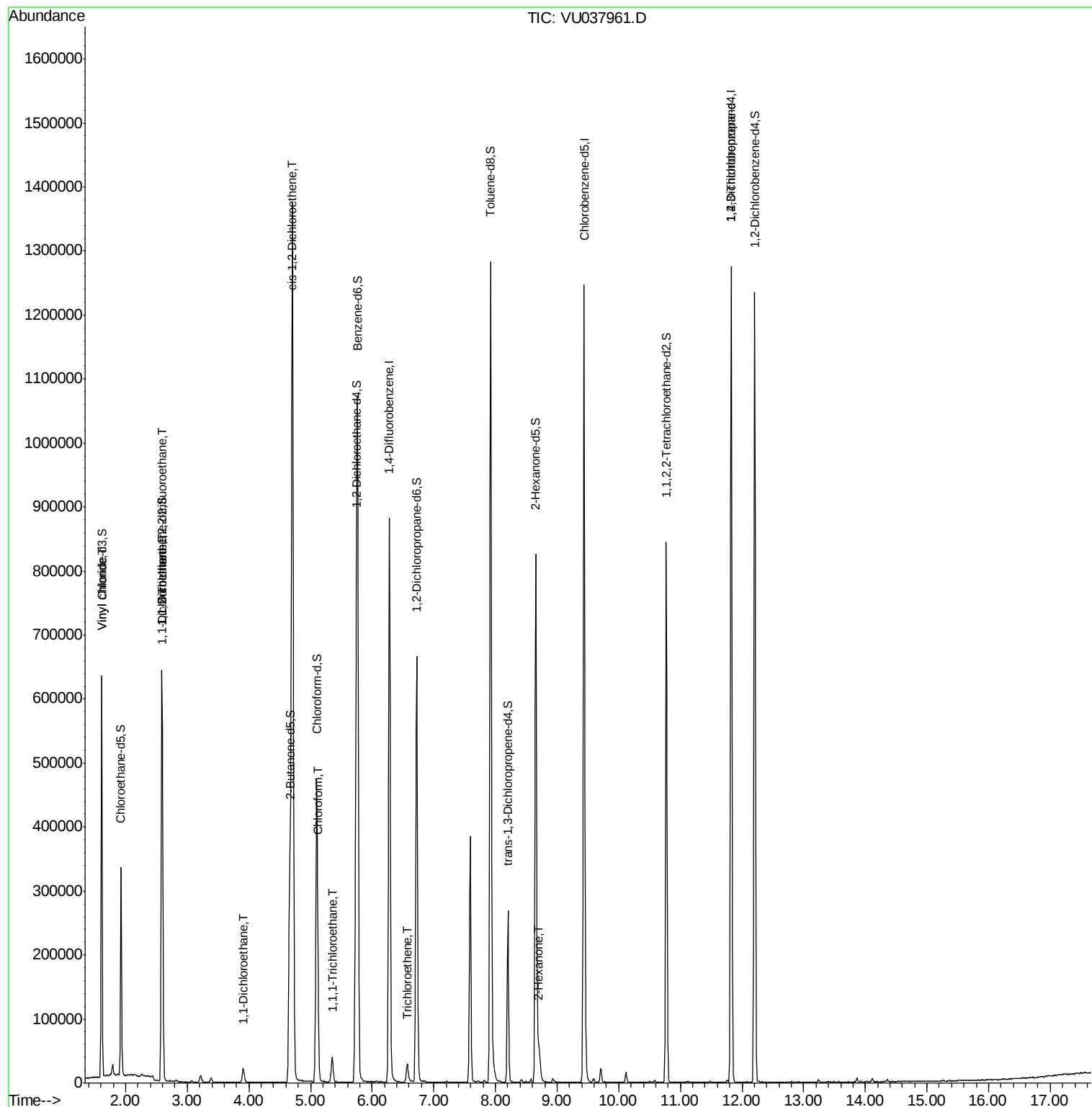
					Ovalue
5) Vinyl chloride	1.62	62	158723	22.424	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3409	0.754	ug/L # 24
12) 1,1-Dichloroethene	2.60	96	43724	9.450	ug/L # 1
19) 1,1-Dichloroethane	3.91	63	25339	2.546	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	679575	123.029	ug/L 97
25) Chloroform	5.12	83	23736	2.485	ug/L 100
30) 1,1,1-Trichloroethane	5.35	97	27865	3.617	ug/L 97
34) Trichloroethene	6.57	95	7535	1.434	ug/L 95
48) 2-Hexanone	8.71	43	37905	4.901	ug/L 88
59) 1,2,3-Trichloropropane	11.82	75	43880	5.464	ug/L 93

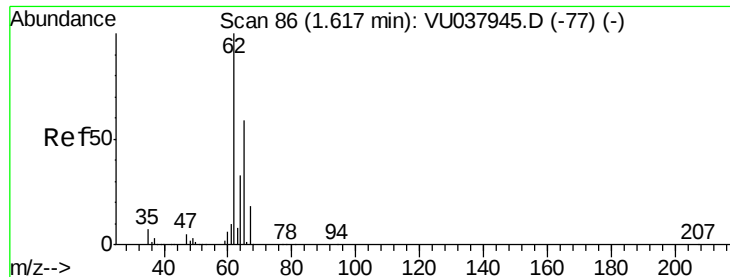
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri May 01 02:16:47 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 22.424 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037961.D

Acq: 30 Apr 2020 19:35

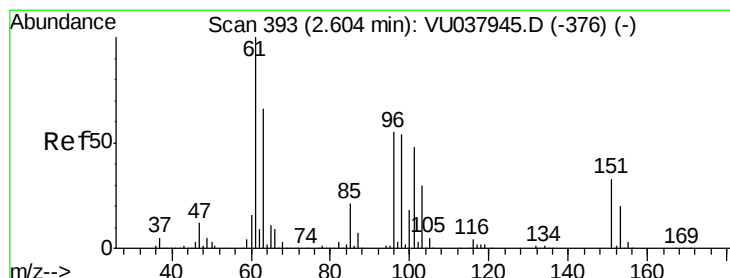
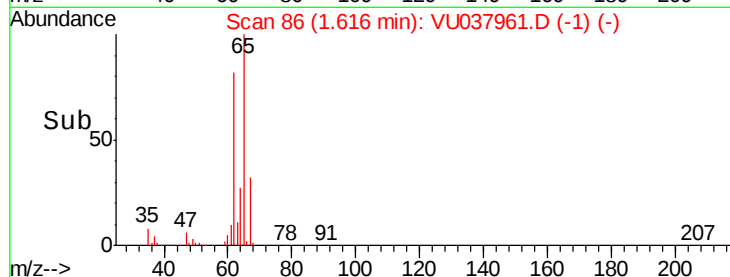
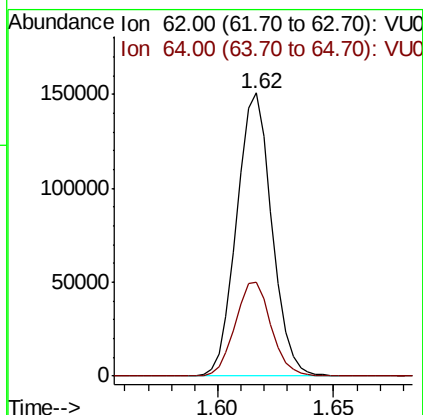
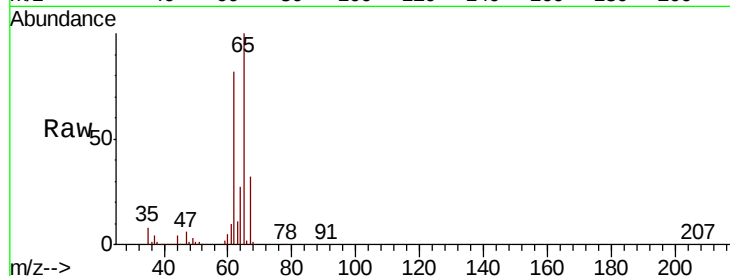
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 158723

Ion Ratio Lower Upper

62 100

64 33.4 23.2 43.2



#10

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

Concen: 0.754 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU037961.D

Acq: 30 Apr 2020 19:35

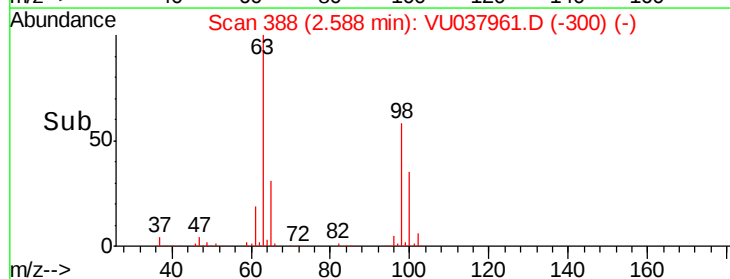
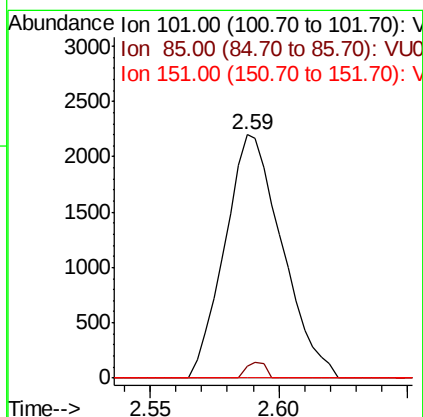
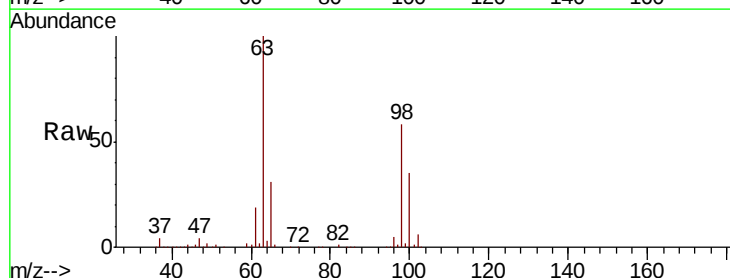
Tgt Ion:101 Resp: 3409

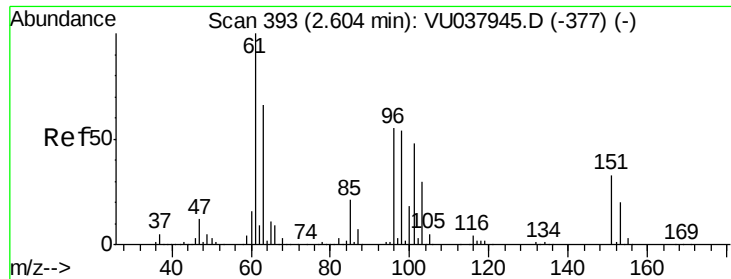
Ion Ratio Lower Upper

101 100

85 2.2 34.7 52.1#

151 0.0 53.4 80.2#





#12

1,1-Dichloroethene

Concen: 9.450 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037961.D

Acq: 30 Apr 2020 19:35

Instrument :

MSVOA_U

ClientSampled :

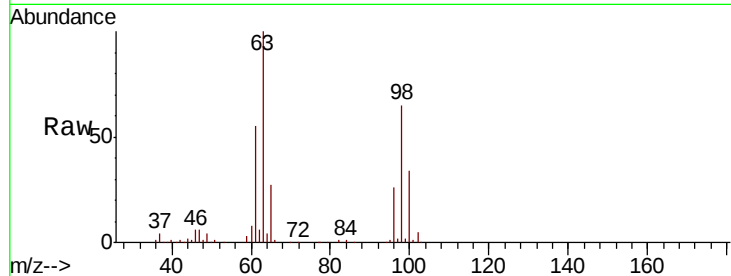
Tot Ion: 96 Resp: 43724

Ion Ratio Lower Upper

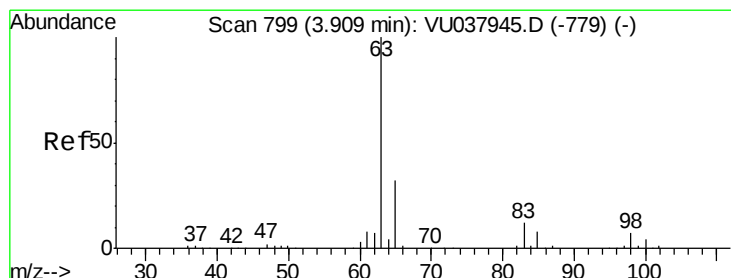
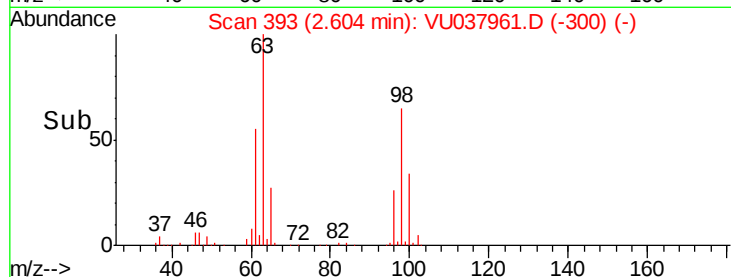
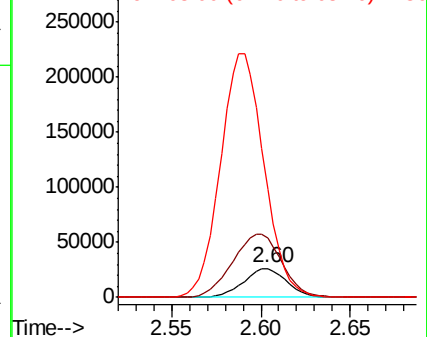
96 100

61 207.3 126.1 234.3

63 377.9 83.4 154.8#



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



#19

1,1-Dichloroethane

Concen: 2.546 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037961.D

Acq: 30 Apr 2020 19:35

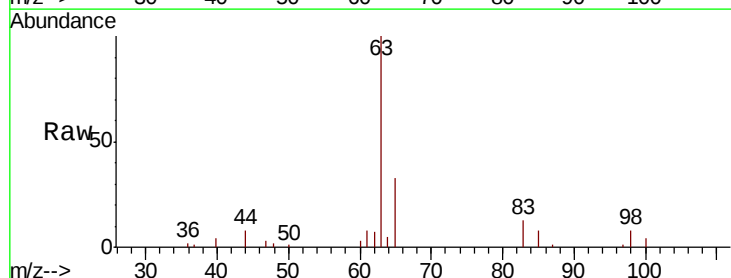
Tgt Ion: 63 Resp: 25339

Ion Ratio Lower Upper

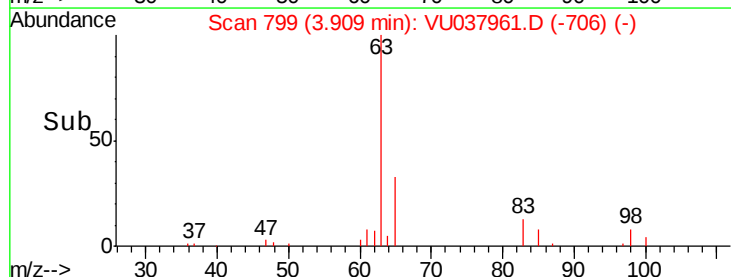
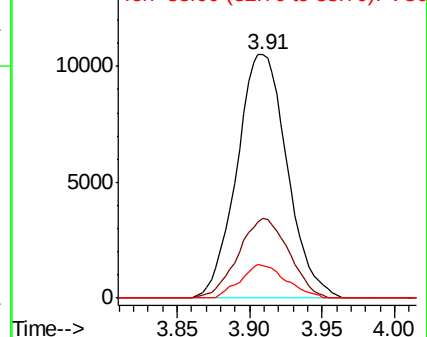
63 100

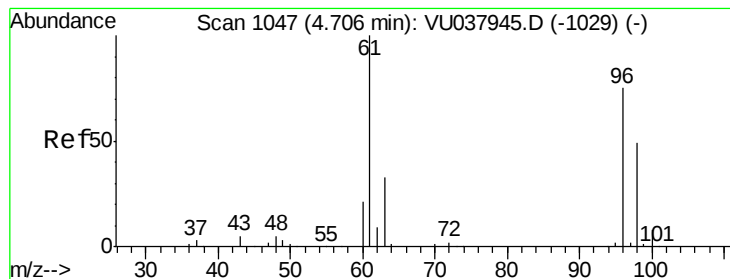
65 32.9 22.5 41.7

83 13.5 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 123.029 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037961.D

Acq: 30 Apr 2020 19:35

Instrument :
MSVOA_U
ClientSampleId :

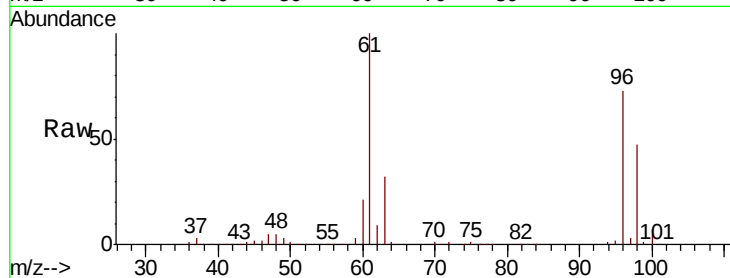
Tot Ion: 96 Resp: 679575

Ion Ratio Lower Upper

96 100

61 137.7 93.9 174.3

68 0.0 0.0 0.0

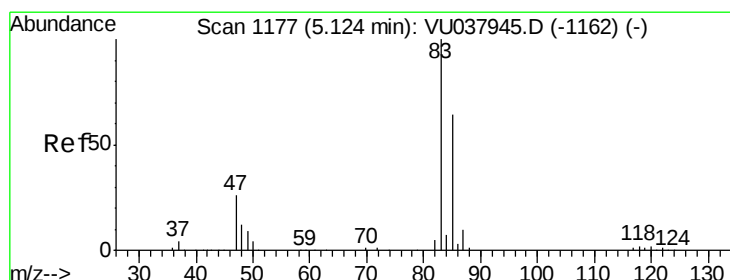
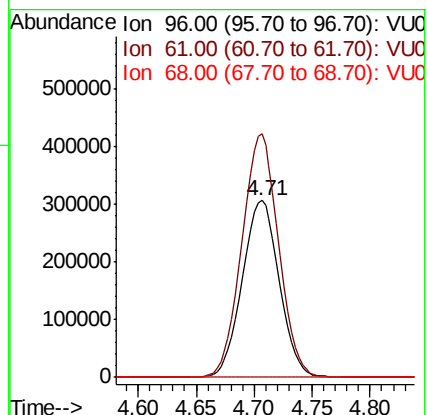
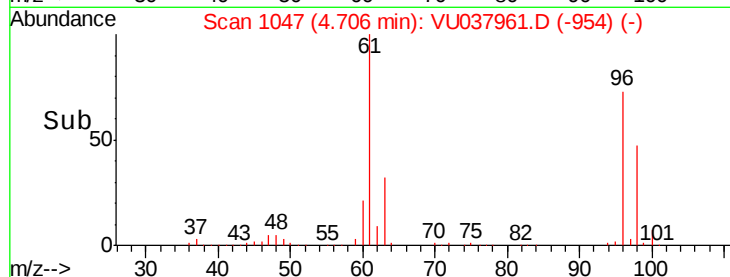


Abundance Ion 96.00 (95.70 to 96.70): VU037945.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037945.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037945.D (-1029) (-)

Time-->



#25

Chloroform

Concen: 2.485 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU037961.D

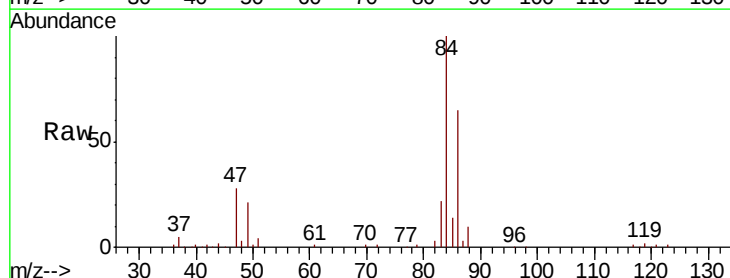
Acq: 30 Apr 2020 19:35

Tgt Ion: 83 Resp: 23736

Ion Ratio Lower Upper

83 100

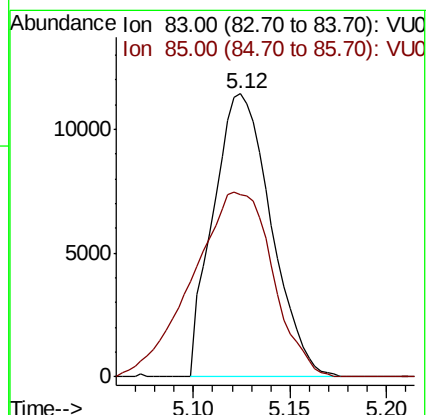
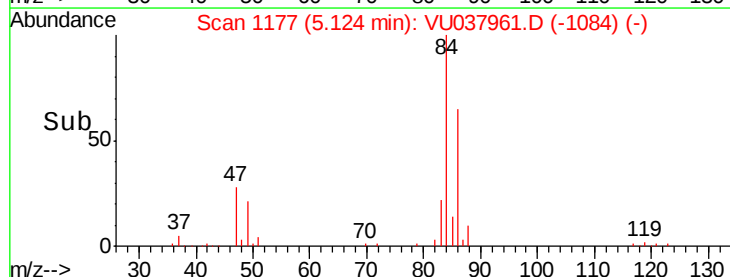
85 64.2 45.0 83.6

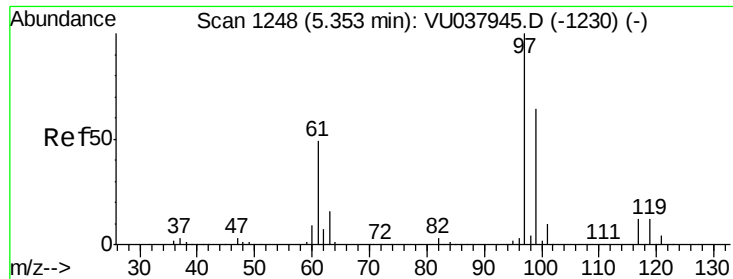


Abundance Ion 83.00 (82.70 to 83.70): VU037945.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU037945.D (-1162) (-)

Time-->

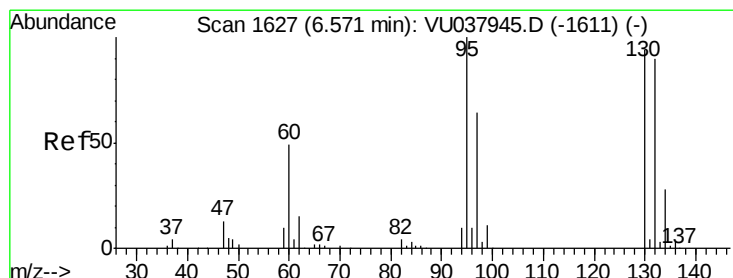
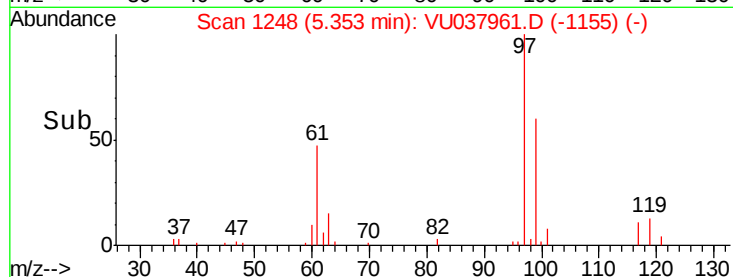
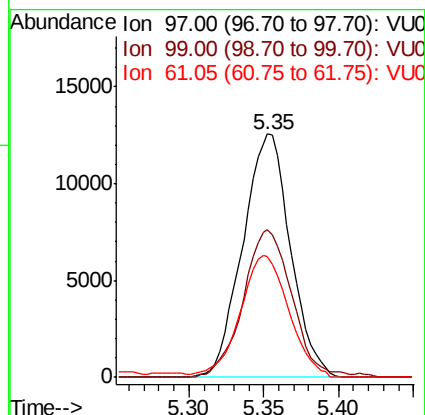
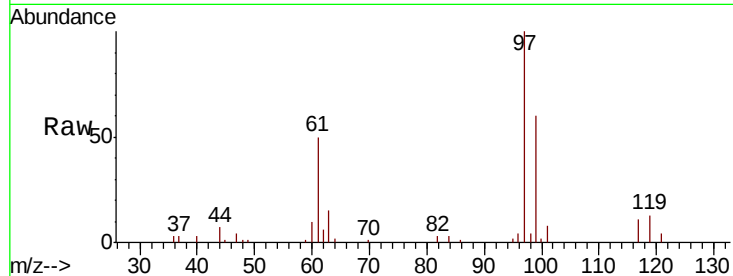




#30
 1,1,1-Trichloroethane
 Concen: 3.617 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037961.D
 Acq: 30 Apr 2020 19:35

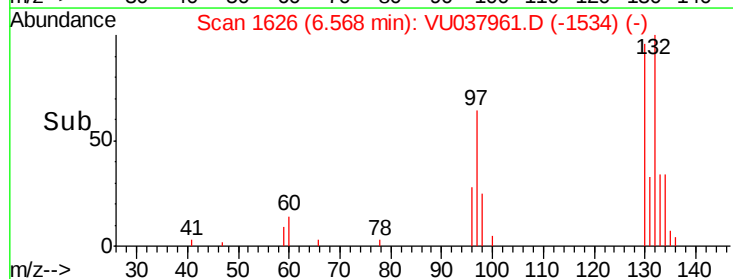
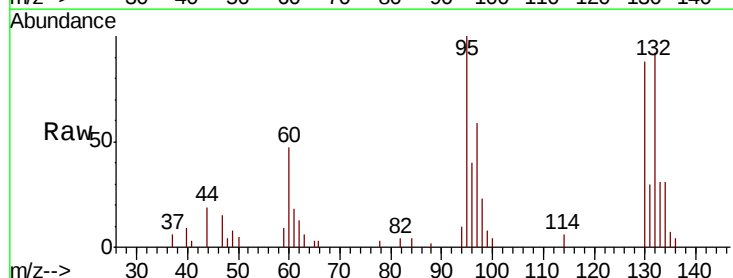
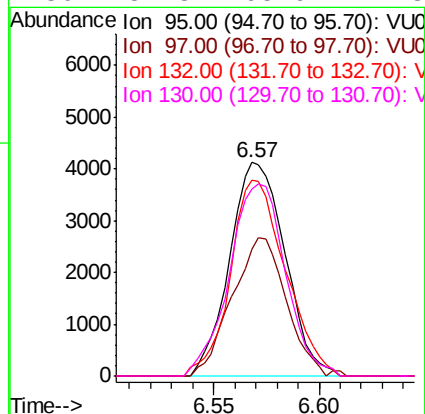
Instrument :
 MSVOA_U
 ClientSampleId :

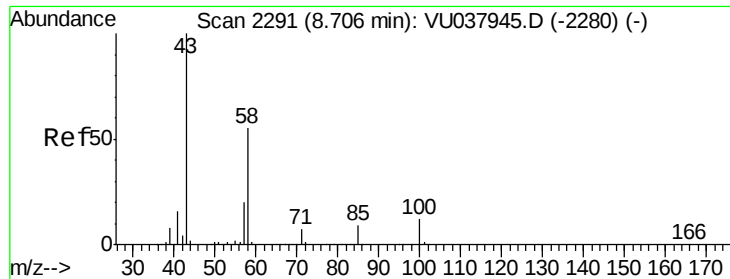
Tot Ion: 97 Resp: 27865
 Ion Ratio Lower Upper
 97 100
 99 61.8 50.5 75.7
 61 51.3 38.8 58.2



#34
 Trichloroethene
 Concen: 1.434 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: VU037961.D
 Acq: 30 Apr 2020 19:35

Tgt Ion: 95 Resp: 7535
 Ion Ratio Lower Upper
 95 100
 97 59.1 44.9 83.5
 132 91.7 63.2 117.4
 130 87.8 65.9 122.3

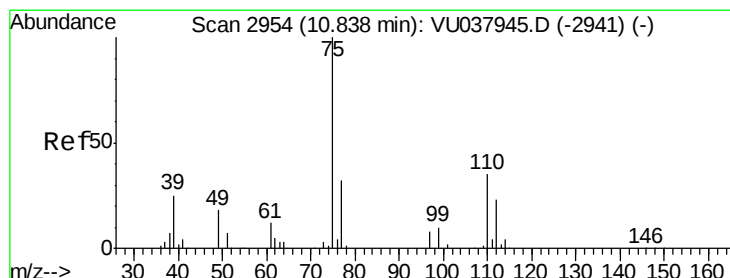
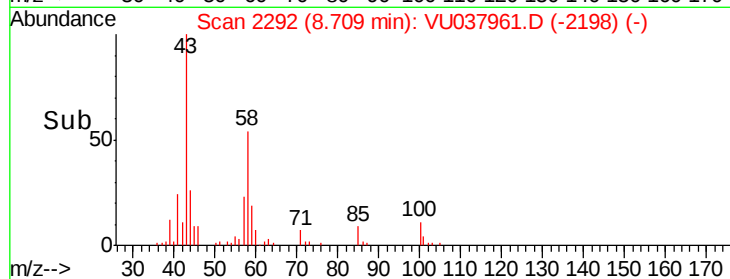
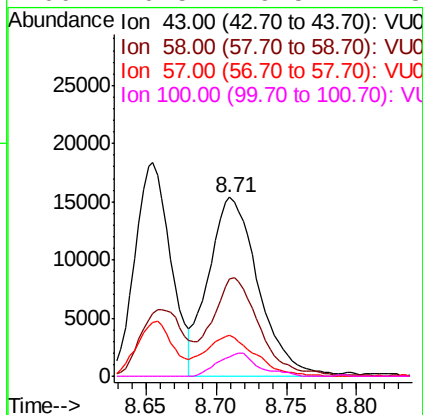
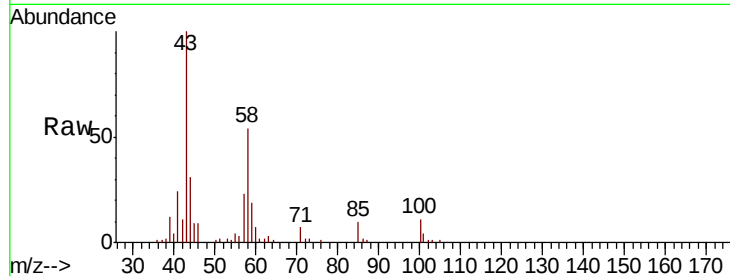




#48
 2-Hexanone
 Concen: 4.901 ug/L
 RT: 8.71 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: VU037961.D
 Acq: 30 Apr 2020 19:35

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	43	Resp:	37905
Ion	Ratio	Lower	Upper
43	100		
58	46.6	46.4	69.6
57	23.1	16.4	24.6
100	10.5	9.5	14.3



#59
 1,2,3-Trichloropropane
 Concen: 5.464 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU037961.D
 Acq: 30 Apr 2020 19:35

Tgt Ion:	75	Resp:	43880
Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.4	38.2

