

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042020\
 Data File : VU037813.D
 Acq On : 20 Apr 2020 14:58
 Operator : JC/MD
 Sample : L2319-08DL 5X
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE0DL

Quant Time: Apr 21 02:00:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 01:10:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	255706	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	258018	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	139187	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	66212	3.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.40%
7) Chloroethane-d5	1.89	69	62002	3.80	ug/L	-0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.00%
11) 1,1-Dichloroethene-d2	2.58	63	109463	3.18	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.67	46	291736	54.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.80%
24) Chloroform-d	5.10	84	141215	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.74	65	85462	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.76	84	291130	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.72	67	102594	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.92	98	262241	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.20	79	41717	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.66	63	292029	55.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93472	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	113157	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

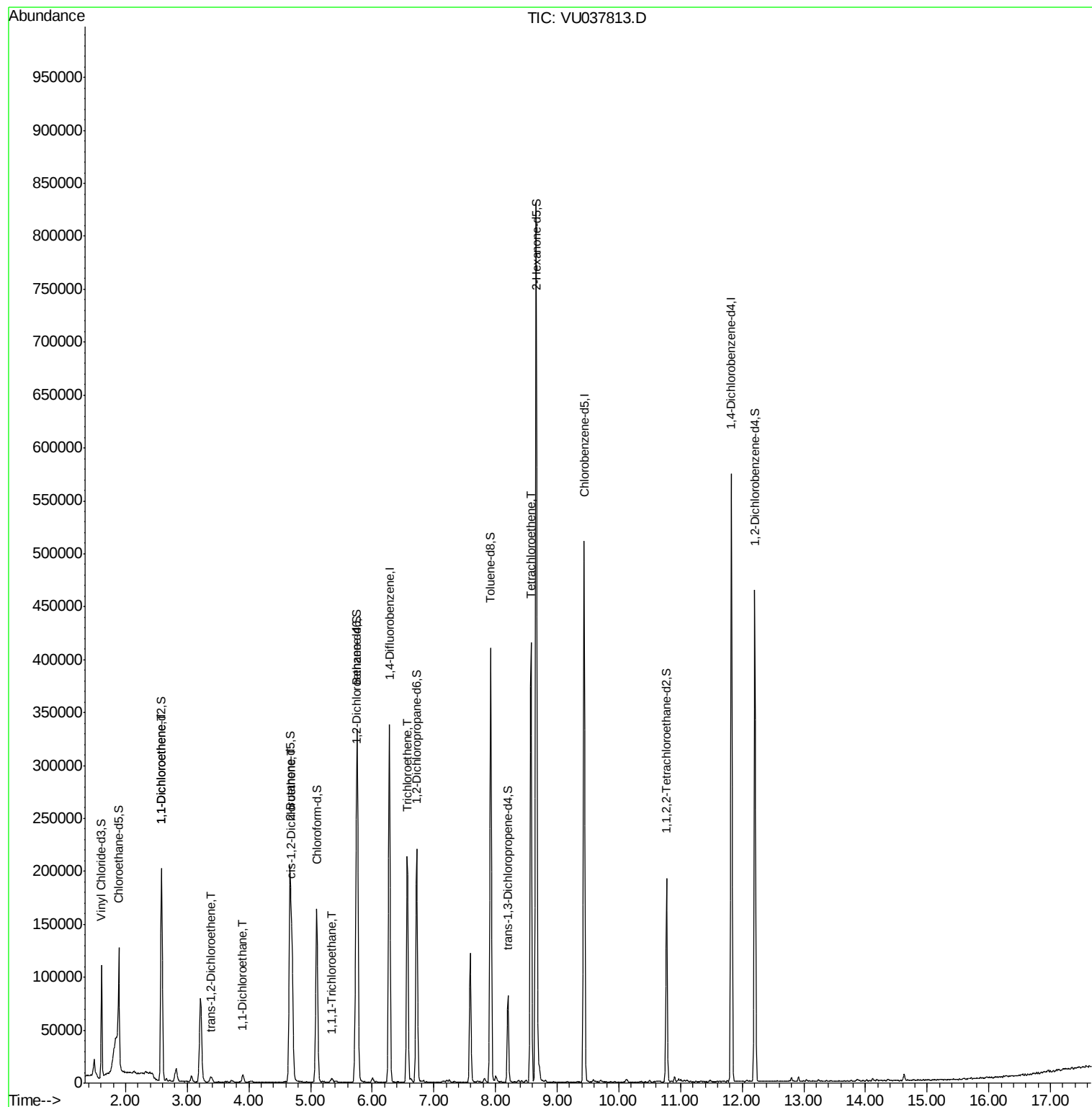
					Ovalue
12) 1,1-Dichloroethene	2.59	96	30413	1.724 ug/L #	62
18) trans-1,2-Dichloroethene	3.38	96	1595	0.083 ug/L	91
19) 1,1-Dichloroethane	3.90	63	8210	0.222 ug/L #	92
22) cis-1,2-Dichloroethene	4.70	96	48762	2.359 ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	2557	0.082 ug/L	96
34) Trichloroethene	6.57	95	70504	3.365 ug/L	97
47) Tetrachloroethene	8.57	164	87885	5.838 ug/L	98

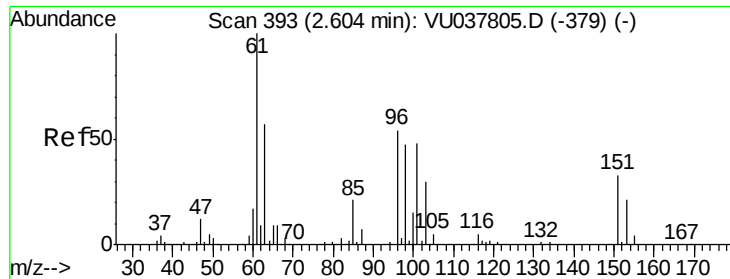
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.724 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037813.D

Acq: 20 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

C0AE0DL

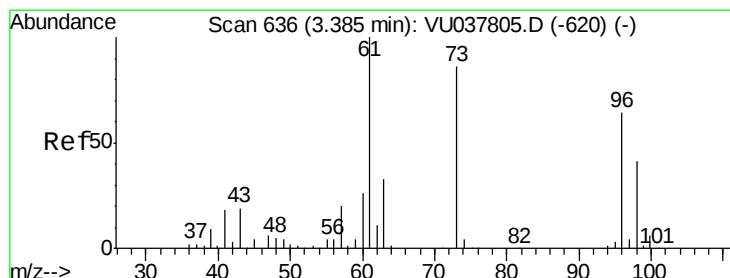
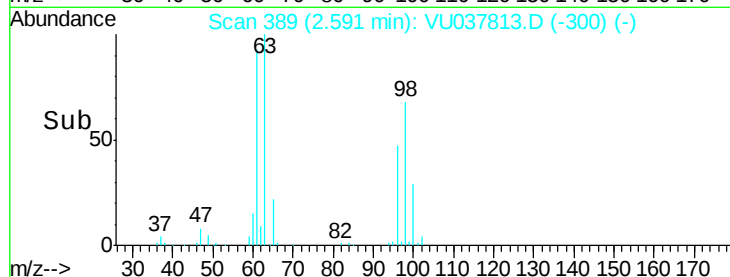
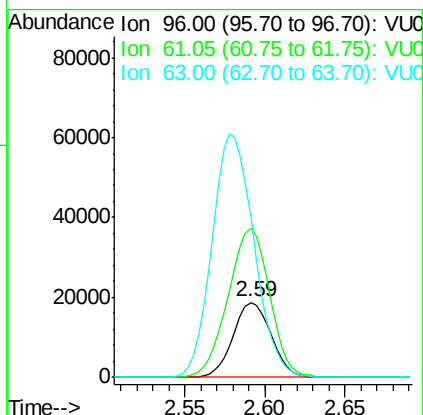
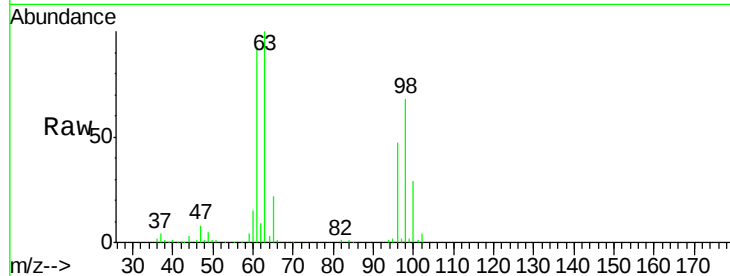
Tot Ion: 96 Resp: 30413

Ion Ratio Lower Upper

96 100

61 197.2 127.7 237.3

63 211.2 85.0 157.8#



#18

trans-1,2-Dichloroethene

Concen: 0.083 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.01 min

Lab File: VU037813.D

Acq: 20 Apr 2020 14:58

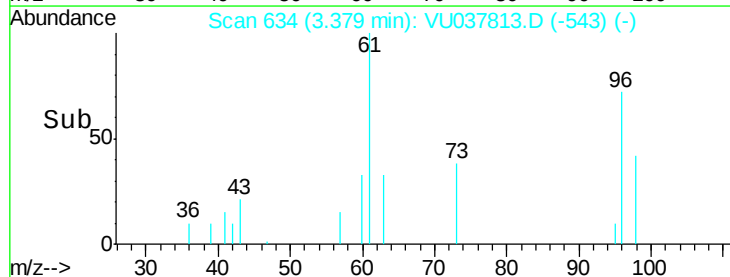
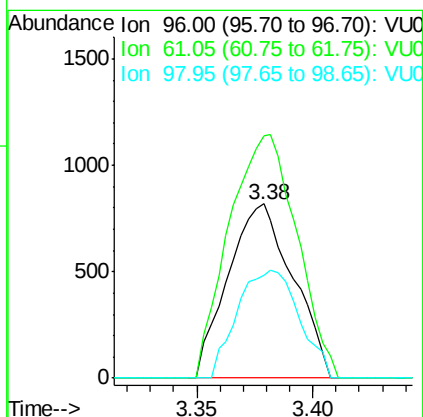
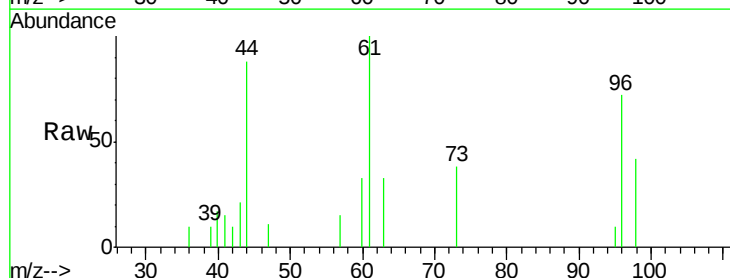
Tgt Ion: 96 Resp: 1595

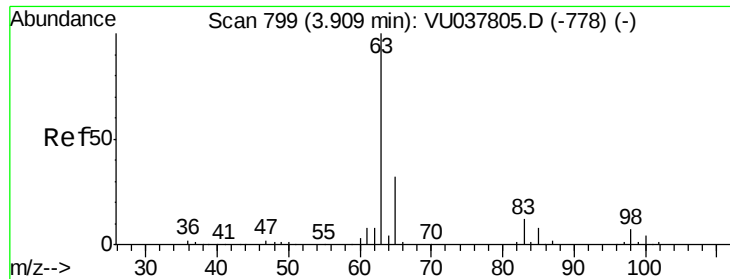
Ion Ratio Lower Upper

96 100

61 139.3 106.7 198.3

98 58.7 44.3 82.3

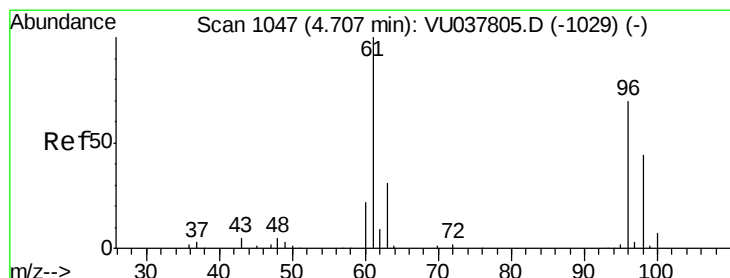
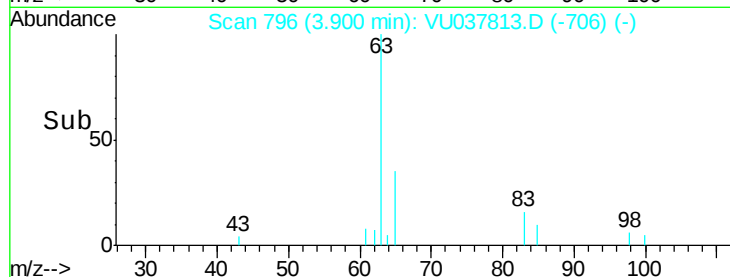
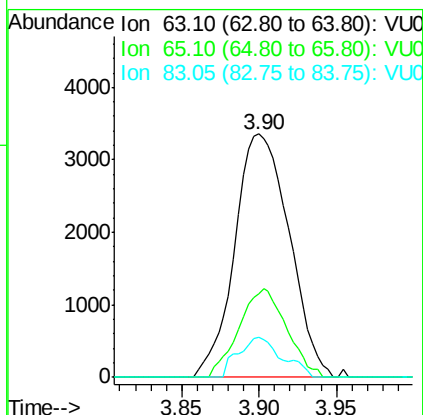
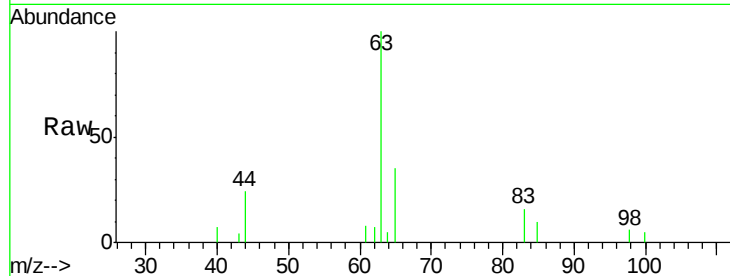




#19
 1,1-Dichloroethane
 Concen: 0.222 ug/L
 RT: 3.90 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: VU037813.D
 Acq: 20 Apr 2020 14:58

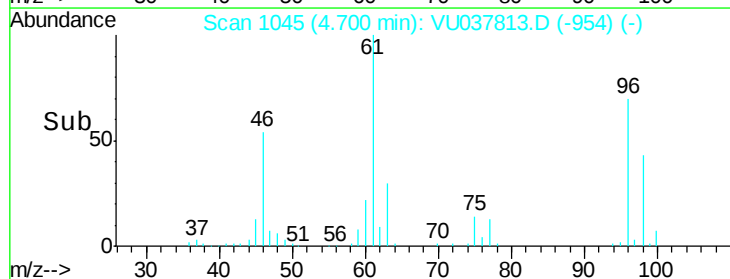
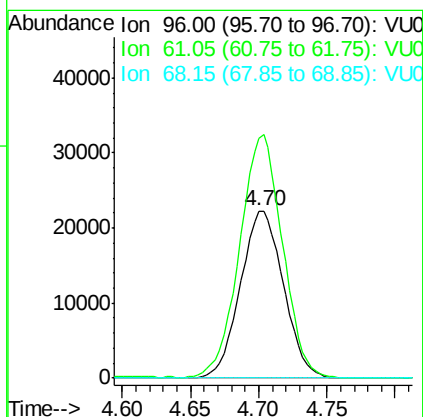
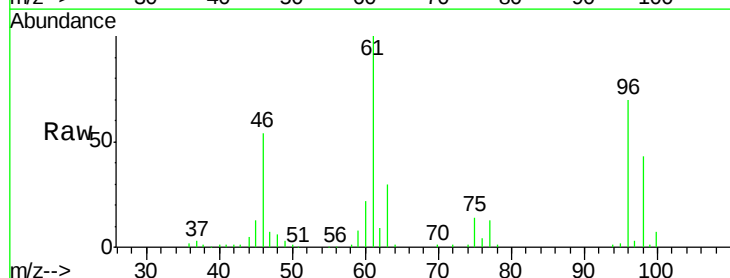
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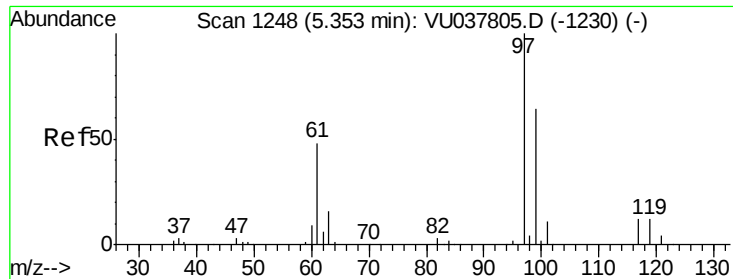
Tot Ion: 63 Resp: 8210
 Ion Ratio Lower Upper
 63 100
 65 34.6 21.6 40.2
 83 16.4 8.6 16.0#



#22
 cis-1,2-Dichloroethene
 Concen: 2.359 ug/L
 RT: 4.70 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: VU037813.D
 Acq: 20 Apr 2020 14:58

Tgt Ion: 96 Resp: 48762
 Ion Ratio Lower Upper
 96 100
 61 143.8 97.0 180.2
 68 0.0 0.0 0.0

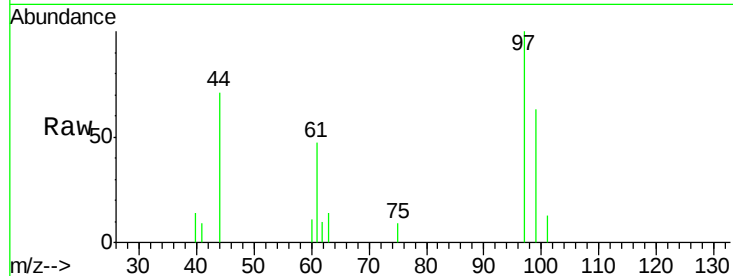




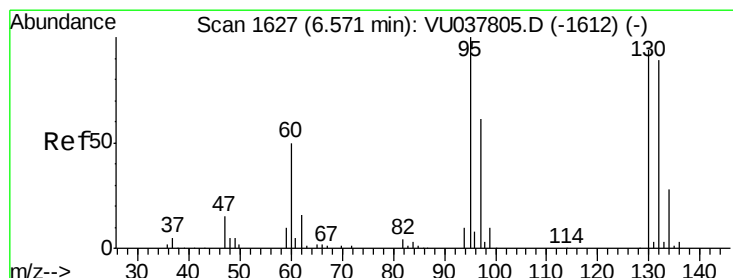
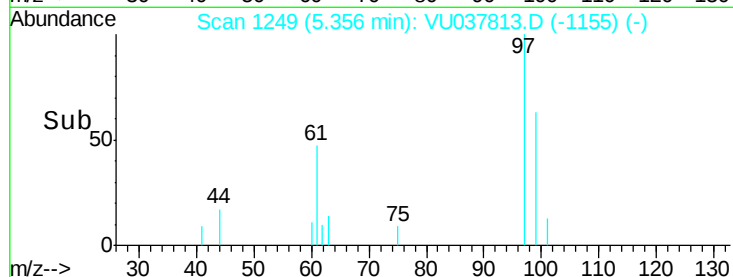
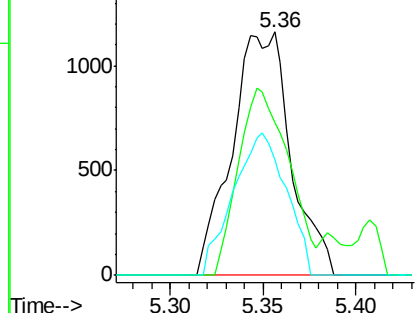
#29
 1,1,1-Trichloroethane
 Concen: 0.082 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037813.D
 Acq: 20 Apr 2020 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE0DL

Tot Ion: 97 Resp: 2557
 Ion Ratio Lower Upper
 97 100
 99 66.4 52.0 78.0
 61 52.4 37.8 56.8

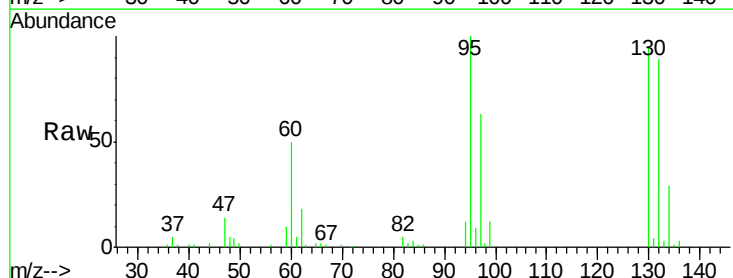


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

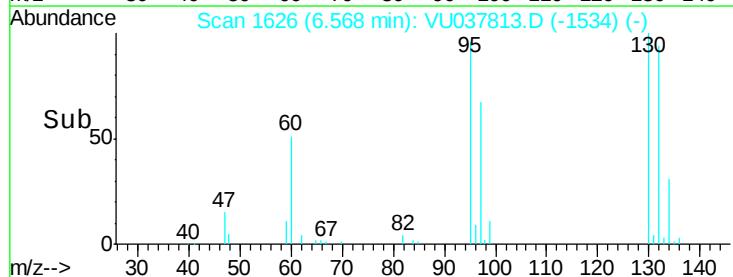
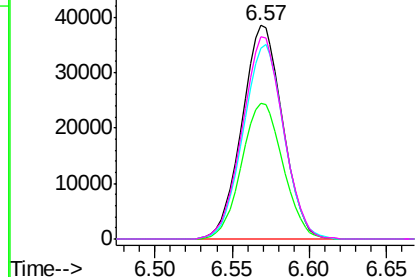


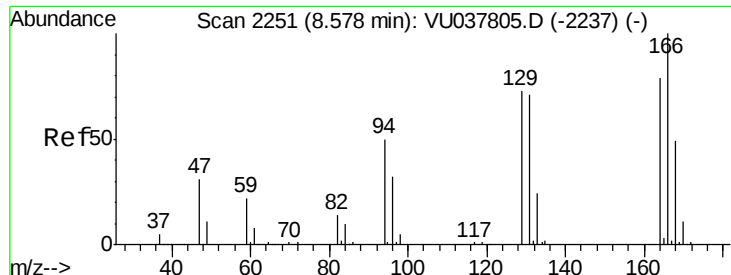
#34
 Trichloroethene
 Concen: 3.365 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: VU037813.D
 Acq: 20 Apr 2020 14:58

Tgt Ion: 95 Resp: 70504
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.4 84.2
 132 89.1 63.7 118.3
 130 94.7 68.7 127.5



Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 5.838 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037813.D

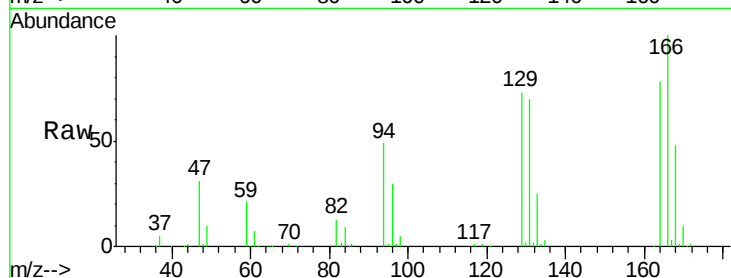
Acq: 20 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

C0AE0DL



Tot Ion:164 Resp: 87885

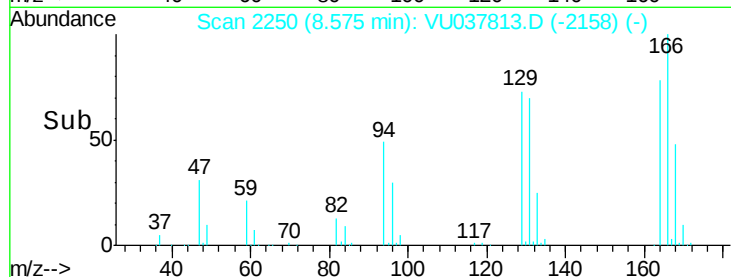
Ion Ratio Lower Upper

164 100

129 93.8 68.1 126.5

131 90.1 65.9 122.5

166 128.6 89.7 166.7



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

