

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037928.D
 Acq On : 29 Apr 2020 22:17
 Operator : JC/MD
 Sample : L2395-19 20X
 Misc : 5.6mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 04:12:24 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	654262	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	631610	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	287461	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	180636	31.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.20%
7) Chloroethane-d5	1.93	69	178410	40.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.54%
11) 1,1-Dichloroethene-d2	2.59	63	268902	29.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.12%#
21) 2-Butanone-d5	4.66	46	437763	96.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.65%
24) Chloroform-d	5.10	84	372401	42.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.54%
26) 1,2-Dichloroethane-d4	5.74	65	273205	45.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.62%
32) Benzene-d6	5.76	84	786983	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.12%
36) 1,2-Dichloropropane-d6	6.72	67	276708	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.64%
41) Toluene-d8	7.92	98	694803	42.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.64%
43) trans-1,3-Dichloropropene-	8.20	79	122834	39.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.90%
47) 2-Hexanone-d5	8.65	63	311598	95.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.81%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	410583	49.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	261639	46.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.56%

Target Compounds

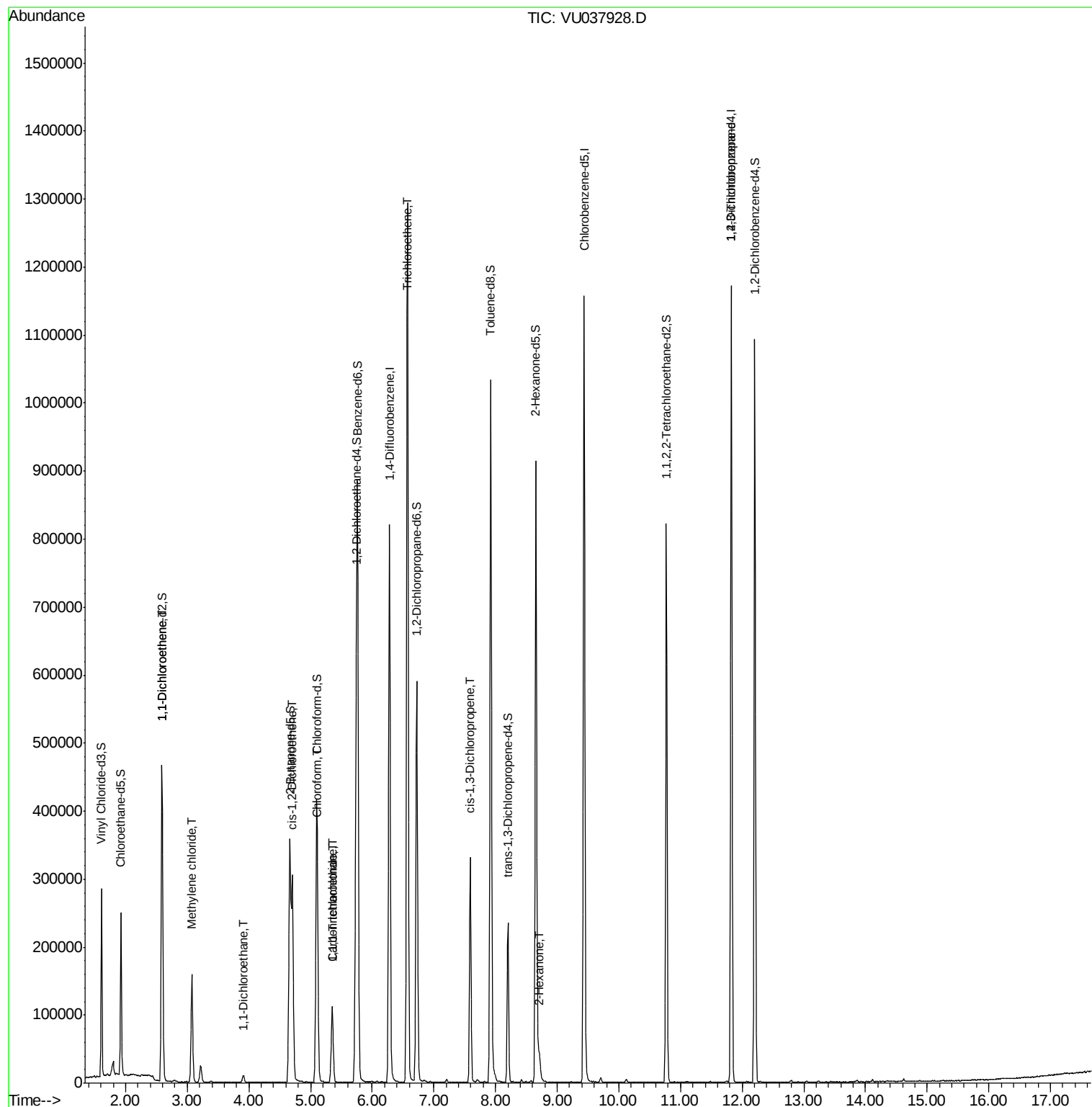
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	33183	8.354	ug/L #	1
16) Methylene chloride	3.08	84	74024	15.683	ug/L	94
19) 1,1-Dichloroethane	3.91	63	12424	1.388	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	136515	28.074	ug/L	92
25) Chloroform	5.12	83	15314	1.828	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	80809	11.456	ug/L	99
31) Carbon tetrachloride	5.35	117	10029	1.759	ug/L	98
34) Trichloroethene	6.57	95	439066	93.372	ug/L	98
39) cis-1,3-Dichloropropene	7.59	75	7366	0.879	ug/L #	52
48) 2-Hexanone	8.71	43	22345	3.104	ug/L #	86
59) 1,2,3-Trichloropropane	11.82	75	40167	5.711	ug/L	90

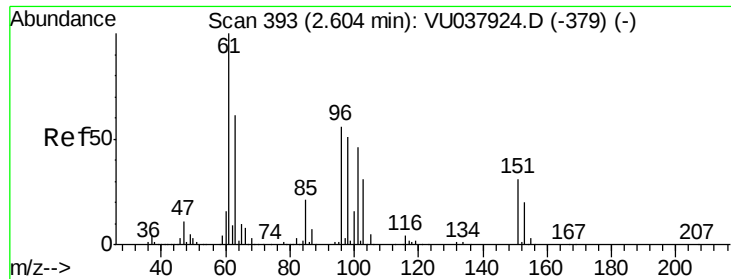
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 8.354 ug/L

RT: 2.60 min Scan# 392

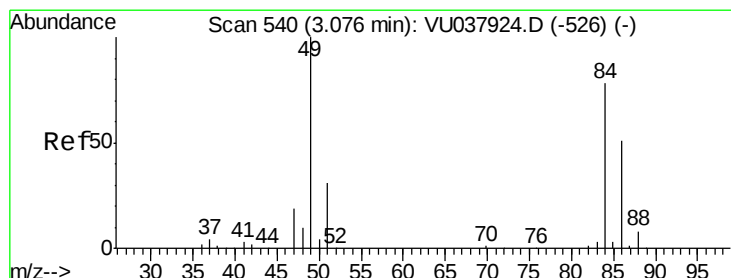
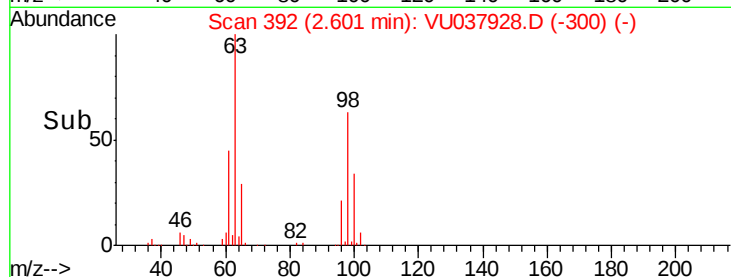
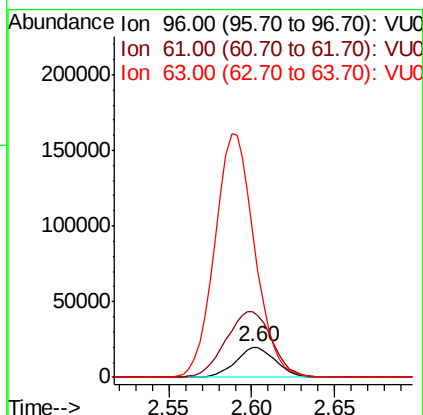
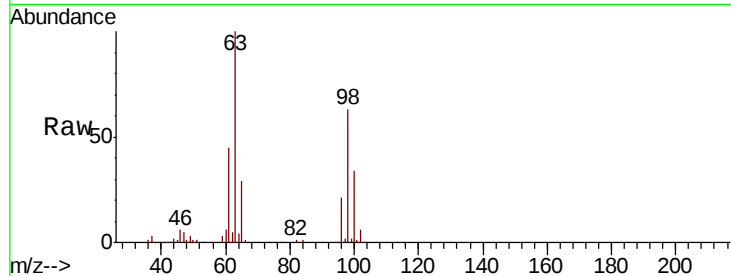
Delta R.T. -0.00 min

Lab File: VU037928.D

Acq: 29 Apr 2020 22:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 33183
Ion Ratio Lower Upper
96 100
61 216.6 134.1 249.0
63 484.8 96.5 179.1#



#16

Methylene chloride

Concen: 15.683 ug/L

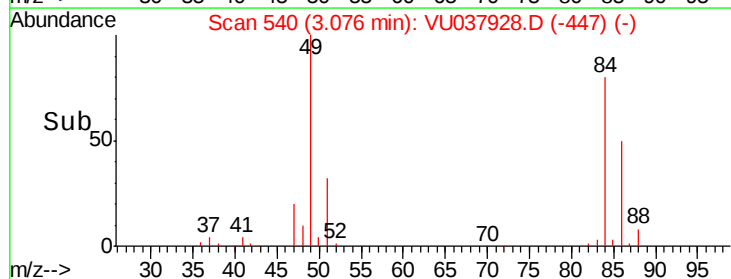
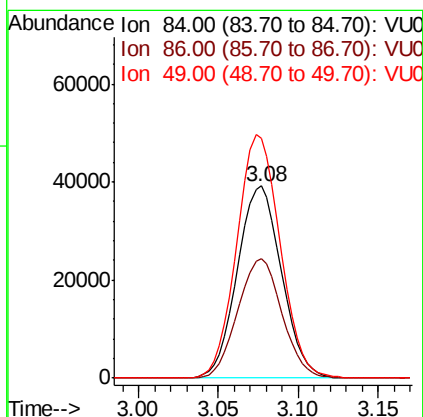
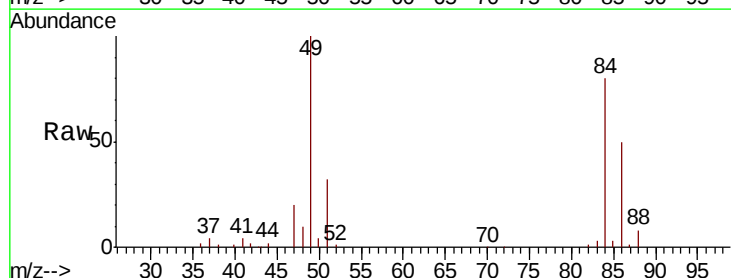
RT: 3.08 min Scan# 540

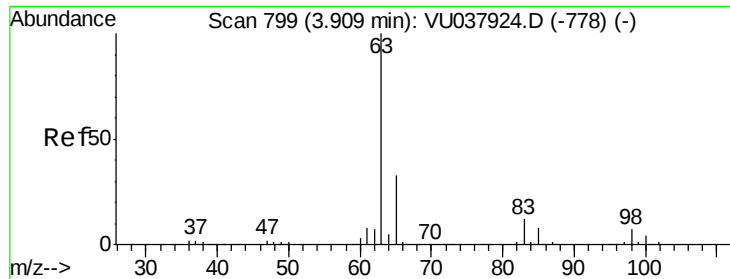
Delta R.T. 0.00 min

Lab File: VU037928.D

Acq: 29 Apr 2020 22:17

Tgt Ion: 84 Resp: 74024
Ion Ratio Lower Upper
84 100
86 62.0 43.5 80.7
49 124.9 95.1 176.7

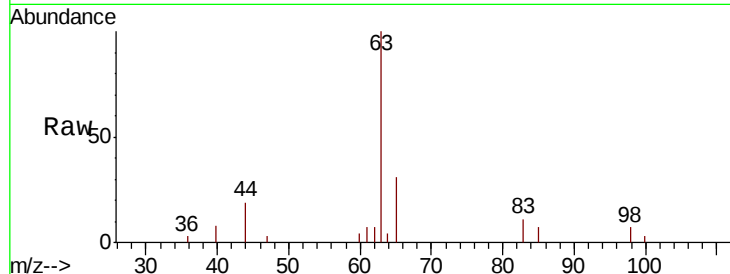




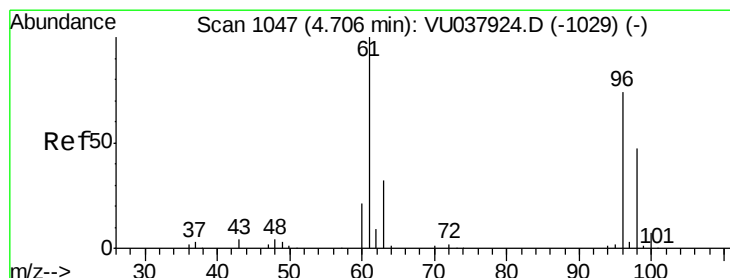
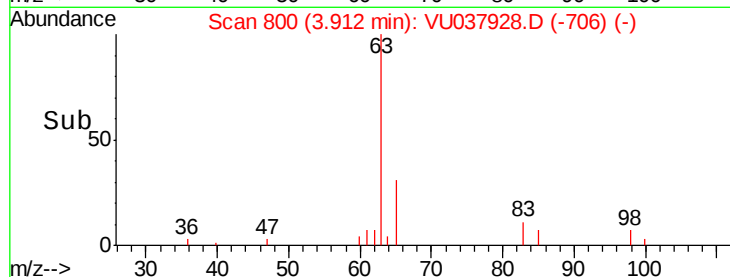
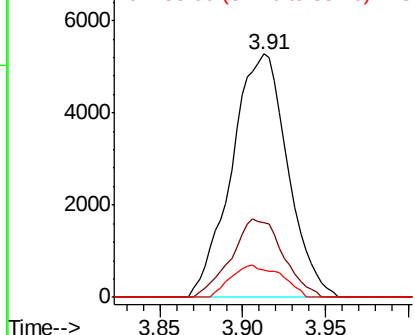
#19
 1,1-Dichloroethane
 Concen: 1.388 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037928.D
 Acq: 29 Apr 2020 22:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 12424
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.2 41.2
 83 11.0 8.6 16.0

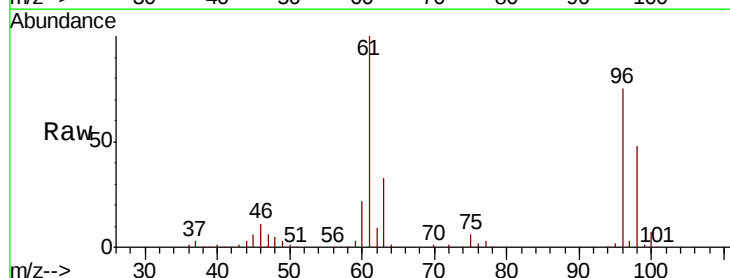


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

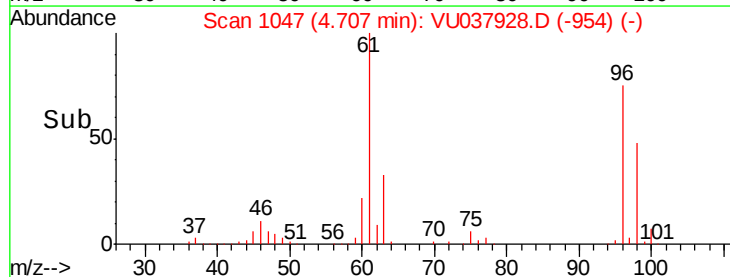
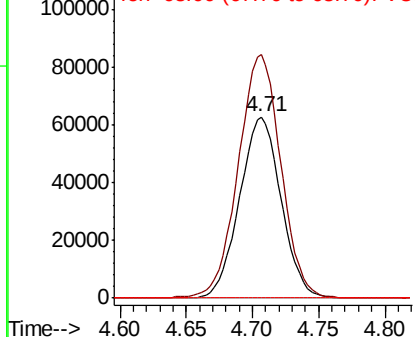


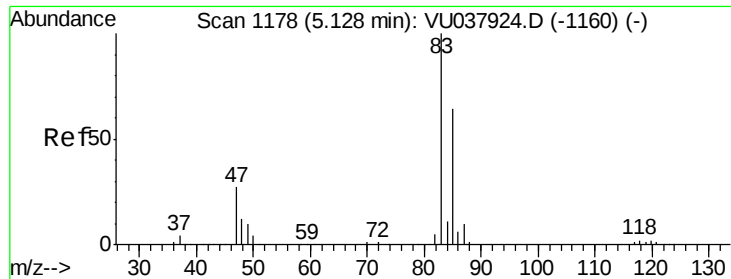
#20
 cis-1,2-Dichloroethene
 Concen: 28.074 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037928.D
 Acq: 29 Apr 2020 22:17

Tgt Ion: 96 Resp: 136515
 Ion Ratio Lower Upper
 96 100
 61 134.1 100.4 186.4
 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

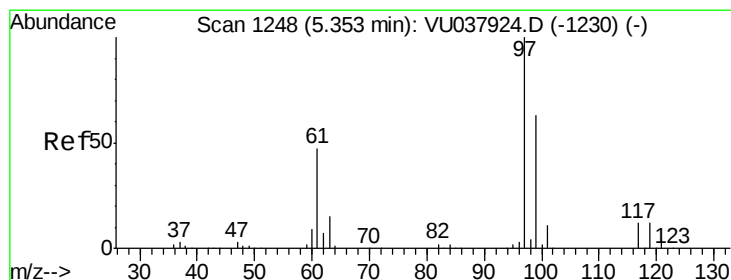
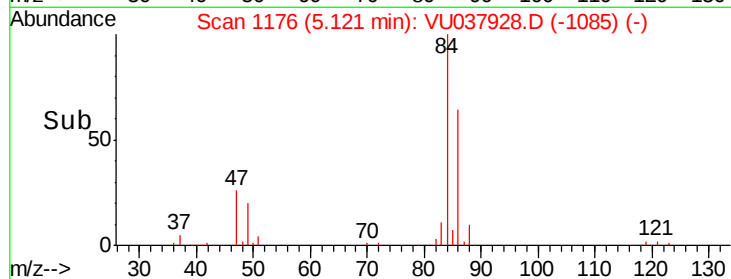
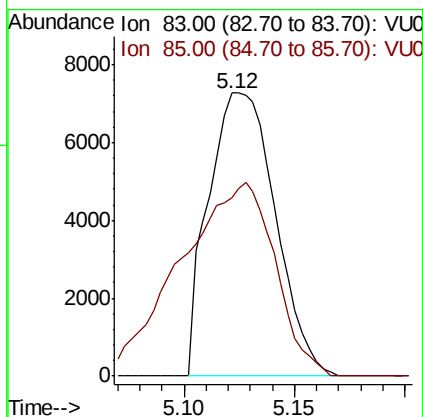
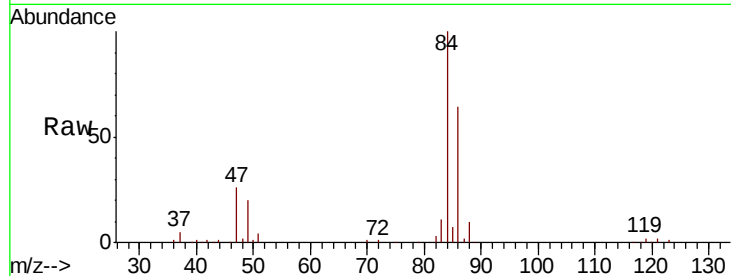




#25
Chloroform
Concen: 1.828 ug/L
RT: 5.12 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VU037928.D
Acq: 29 Apr 2020 22:17

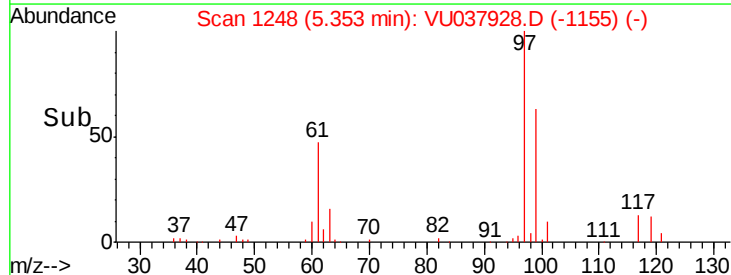
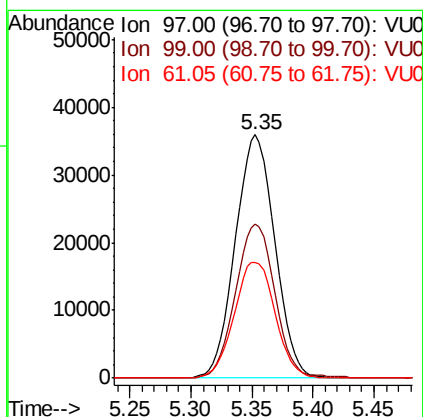
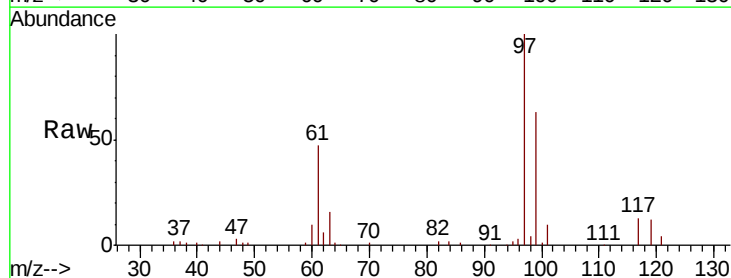
Instrument :
MSVOA_U
ClientSampleId :

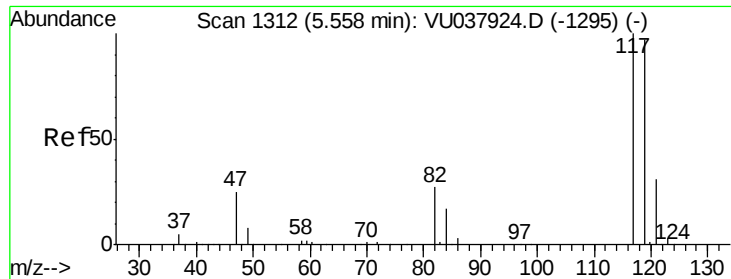
Tot Ion: 83 Resp: 15314
Ion Ratio Lower Upper
83 100
85 62.9 45.1 83.9



#30
1,1,1-Trichloroethane
Concen: 11.456 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037928.D
Acq: 29 Apr 2020 22:17

Tgt Ion: 97 Resp: 80809
Ion Ratio Lower Upper
97 100
99 63.0 50.7 76.1
61 49.1 38.9 58.3

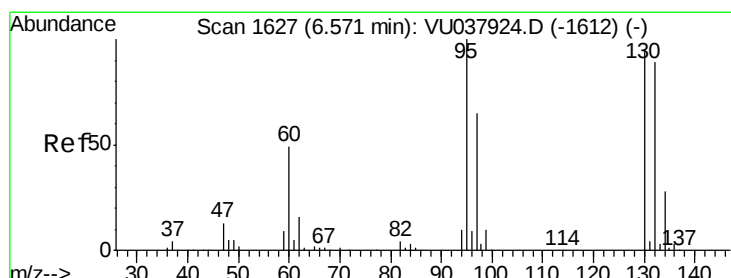
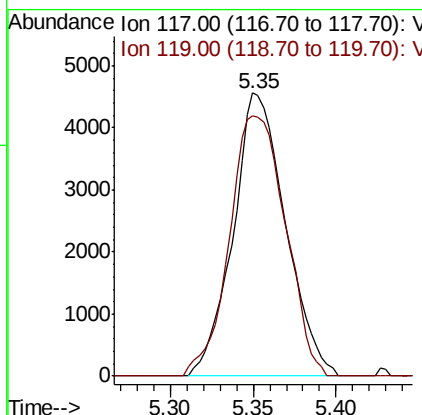
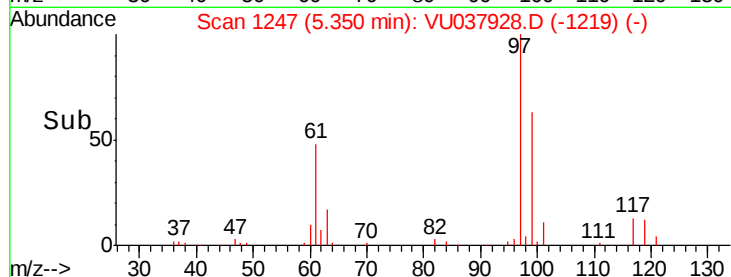
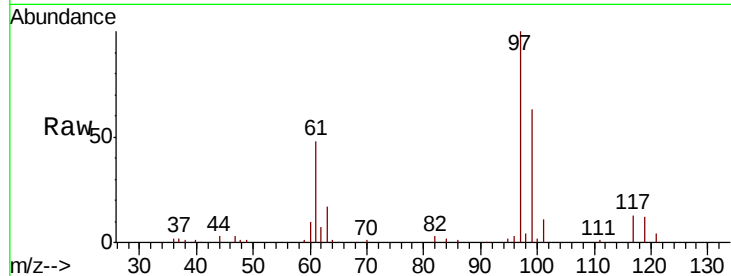




#31
Carbon tetrachloride
Concen: 1.759 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.21 min
Lab File: VU037928.D
Acq: 29 Apr 2020 22:17

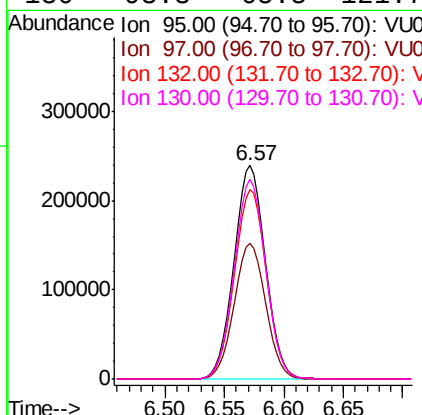
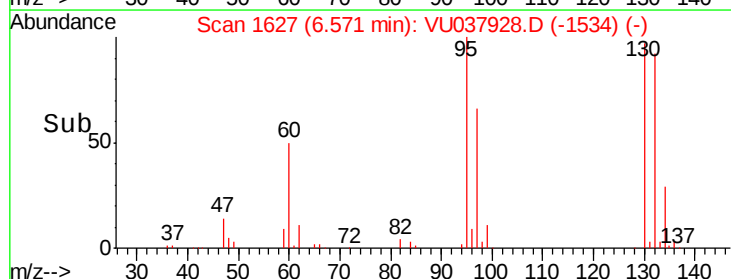
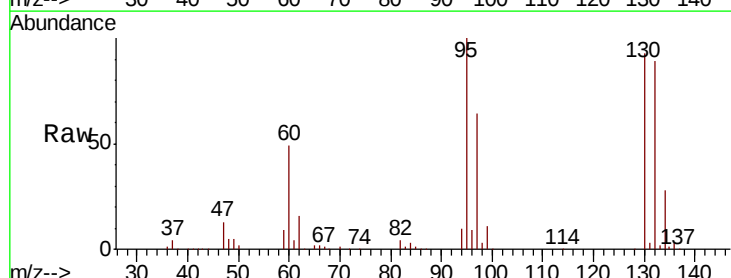
Instrument :
MSVOA_U
ClientSampled :

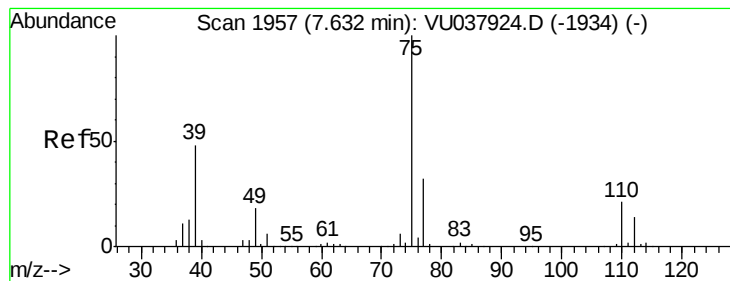
Tot Ion:117 Resp: 10029
Ion Ratio Lower Upper
117 100
119 98.2 76.7 115.1



#34
Trichloroethene
Concen: 93.372 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU037928.D
Acq: 29 Apr 2020 22:17

Tgt Ion: 95 Resp: 439066
Ion Ratio Lower Upper
95 100
97 63.8 44.4 82.5
132 88.5 65.0 120.6
130 93.3 65.5 121.7



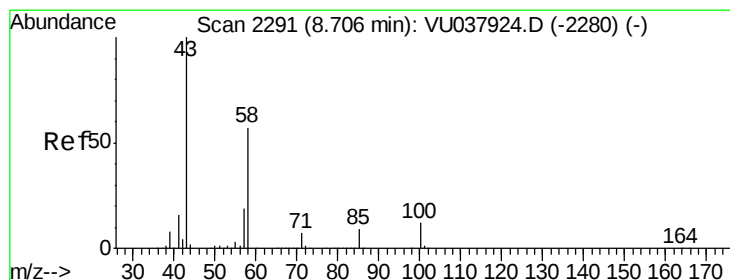
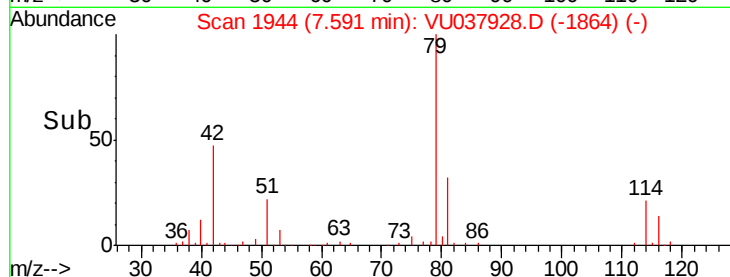
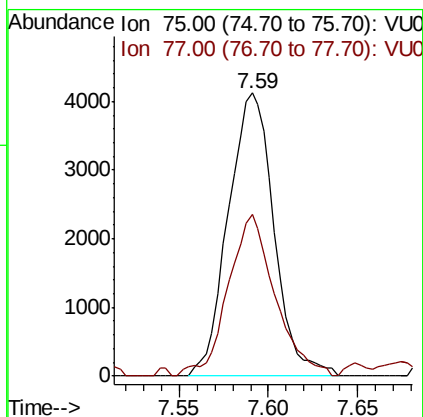
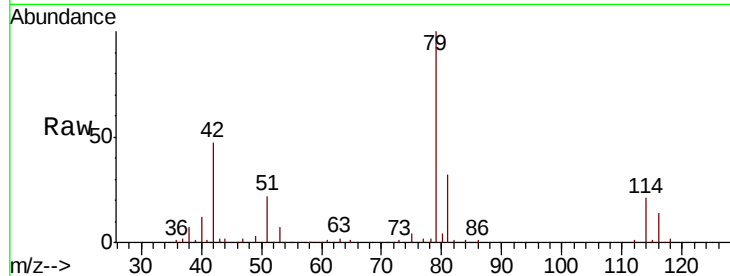


#39

cis-1,3-Dichloropropene
 Concen: 0.879 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037928.D
 Acq: 29 Apr 2020 22:17

Instrument :
 MSVOA_U
 ClientSampleId :

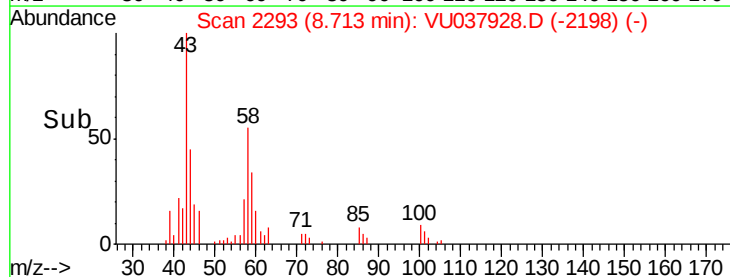
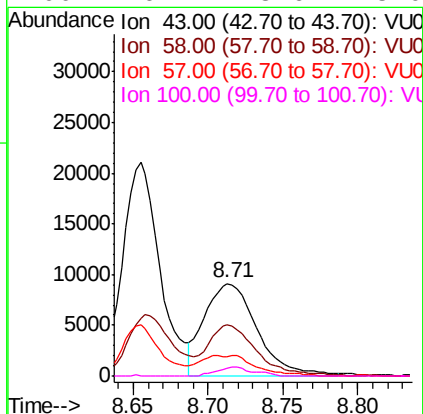
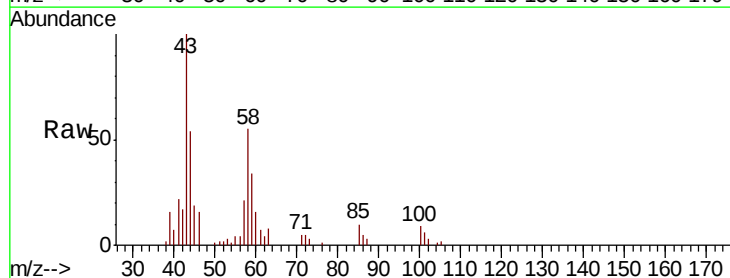
Tot Ion: 75 Resp: 7366
 Ion Ratio Lower Upper
 75 100
 77 57.2 21.7 40.3#

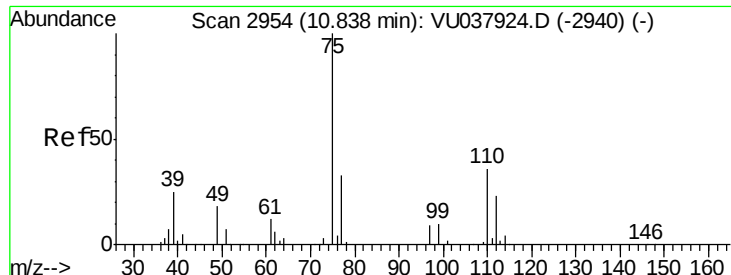


#48

2-Hexanone
 Concen: 3.104 ug/L
 RT: 8.71 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: VU037928.D
 Acq: 29 Apr 2020 22:17

Tgt Ion: 43 Resp: 22345
 Ion Ratio Lower Upper
 43 100
 58 46.9 42.6 63.8
 57 4.1 14.6 22.0#
 100 6.7 8.6 13.0#





#59

1,2,3-Trichloropropane

Concen: 5.711 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU037928.D

Acq: 29 Apr 2020 22:17

Instrument :

MSVOA_U

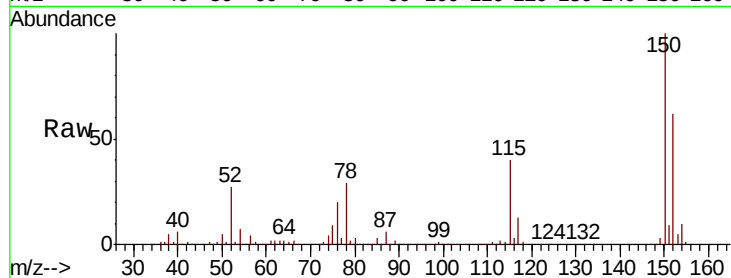
ClientSampleId :

Tot Ion: 75 Resp: 40167

Ion Ratio Lower Upper

75 100

77 37.7 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

