

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037932.D
 Acq On : 29 Apr 2020 23:48
 Operator : JC/MD
 Sample : L2410-07
 Misc : 5.6mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 04:13:00 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	612646	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	585224	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	262084	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	239937	44.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.64%
7) Chloroethane-d5	1.93	69	211637	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.02%
11) 1,1-Dichloroethene-d2	2.59	63	301816	34.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.66%
21) 2-Butanone-d5	4.66	46	402580	94.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.92%
24) Chloroform-d	5.10	84	395008	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
26) 1,2-Dichloroethane-d4	5.74	65	289039	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
32) Benzene-d6	5.76	84	859010	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
36) 1,2-Dichloropropane-d6	6.72	67	290233	52.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.86%
41) Toluene-d8	7.92	98	748310	49.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	8.20	79	108439	38.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.12%
47) 2-Hexanone-d5	8.65	63	264841	87.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.89%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	405785	52.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.38%
64) 1,2-Dichlorobenzene-d4	12.21	152	269036	52.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.52%

Target Compounds

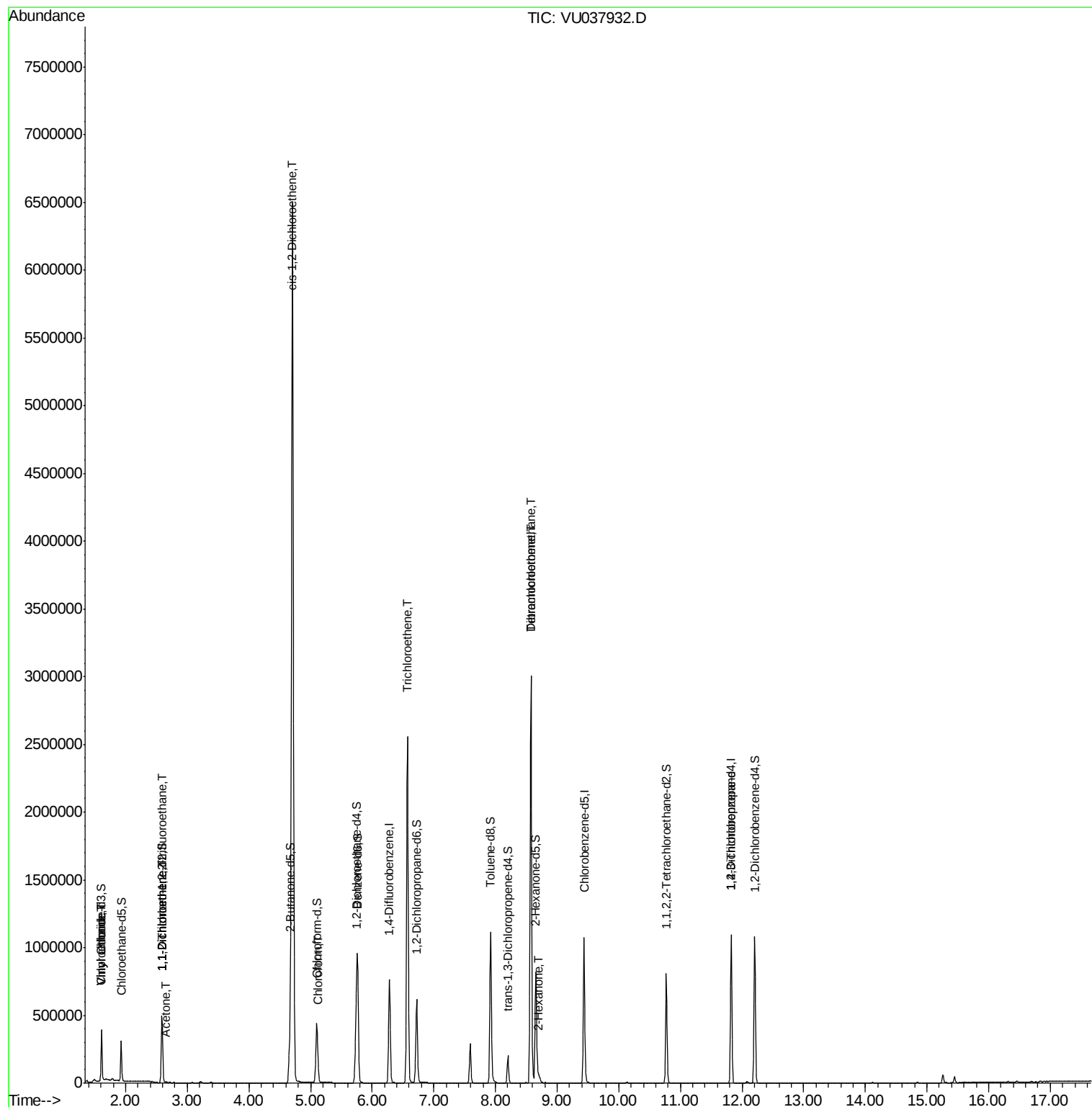
					Ovalue
5) Vinyl chloride	1.62	62	7792	1.282 ug/L #	1
8) Chloroethane	1.62	64	22217	6.506 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2737	0.727 ug/L #	21
12) 1,1-Dichloroethene	2.60	96	4260	1.145 ug/L #	1
13) Acetone	2.65	43	8804	3.479 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	3221884	707.569 ug/L	96
25) Chloroform	5.13	83	9604	1.224 ug/L	94
34) Trichloroethene	6.57	95	866198	198.806 ug/L	99
46) Tetrachloroethene	8.57	164	634151	199.130 ug/L	98
48) 2-Hexanone	8.71	43	21401	3.208 ug/L #	78
49) Dibromochloromethane	8.57	129	623226	141.026 ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	36133	5.544 ug/L	89

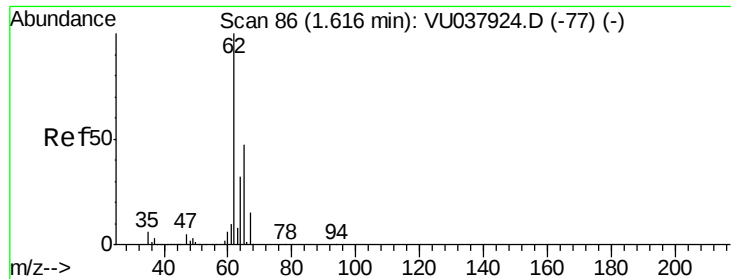
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.282 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037932.D

Acq: 29 Apr 2020 23:48

Instrument :

MSVOA_U

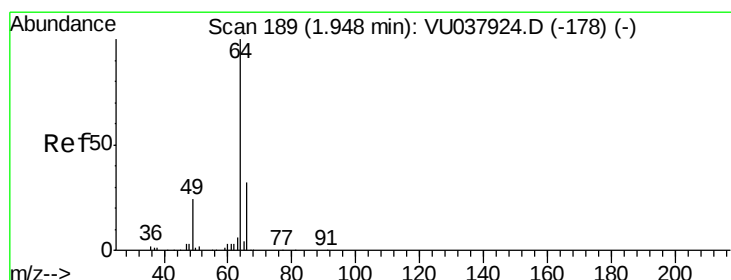
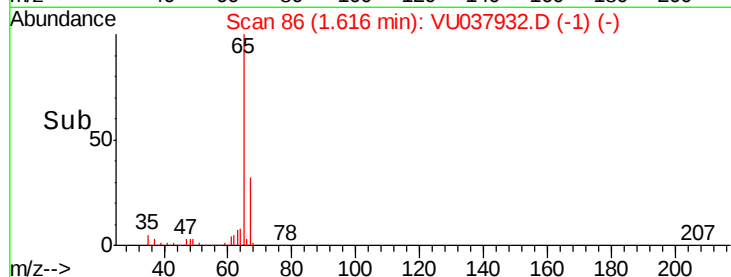
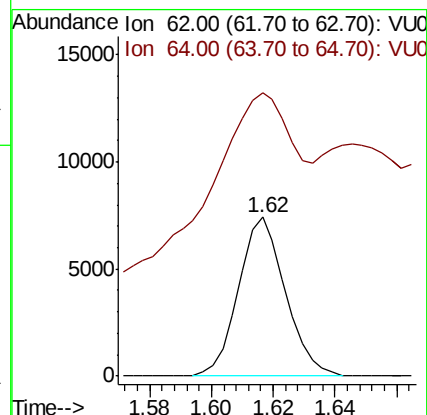
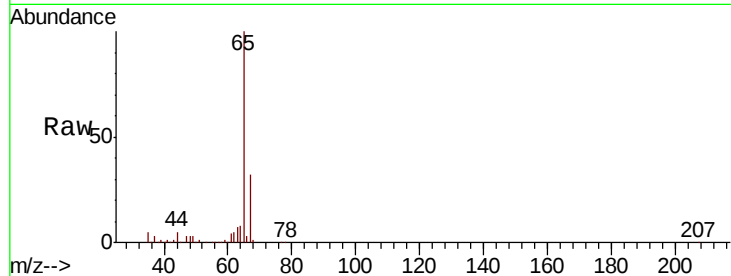
ClientSampled :

Tot Ion: 62 Resp: 7792

Ion Ratio Lower Upper

62 100

64 178.3 23.2 43.0#



#8

Chloroethane

Concen: 6.506 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.33 min

Lab File: VU037932.D

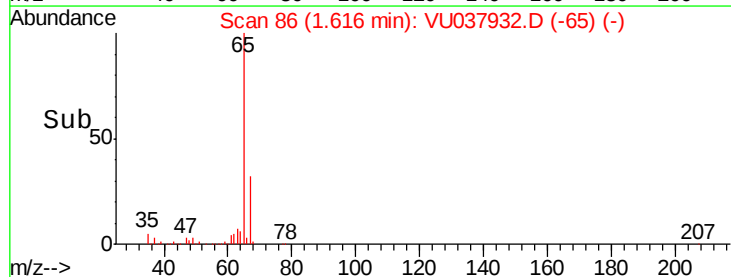
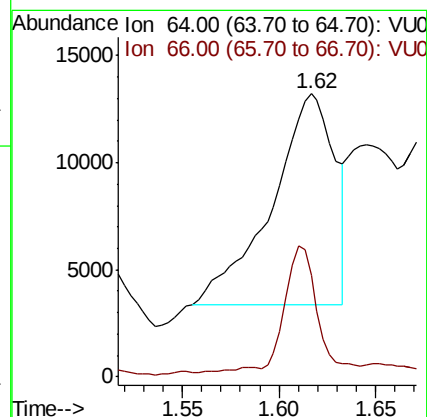
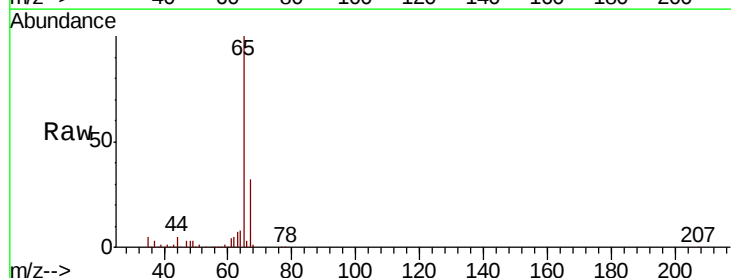
Acq: 29 Apr 2020 23:48

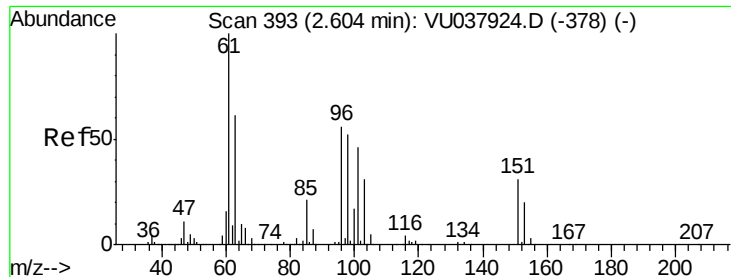
Tgt Ion: 64 Resp: 22217

Ion Ratio Lower Upper

64 100

66 35.8 22.3 41.3





#10

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

Concen: 0.727 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037932.D

Acq: 29 Apr 2020 23:48

Instrument :

MSVOA_U

ClientSampleId :

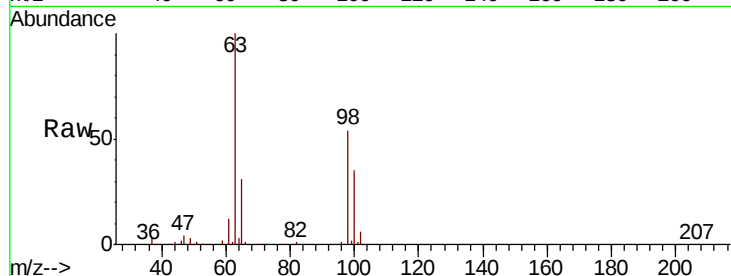
Tot Ion:101 Resp: 2737

Ion Ratio Lower Upper

101 100

85 0.0 36.2 54.4#

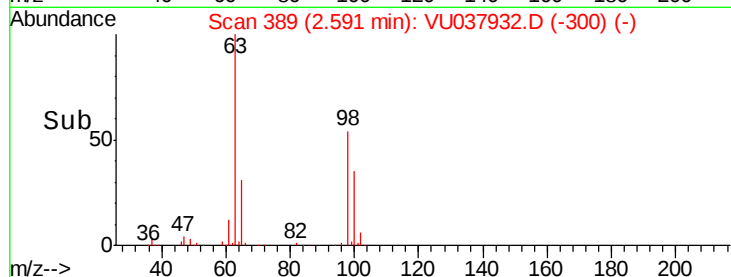
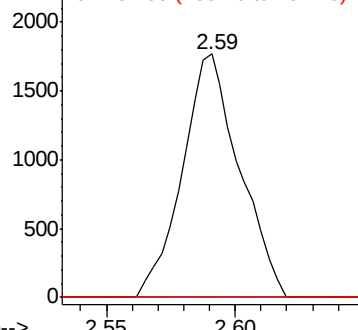
151 0.0 55.5 83.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.145 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037932.D

Acq: 29 Apr 2020 23:48

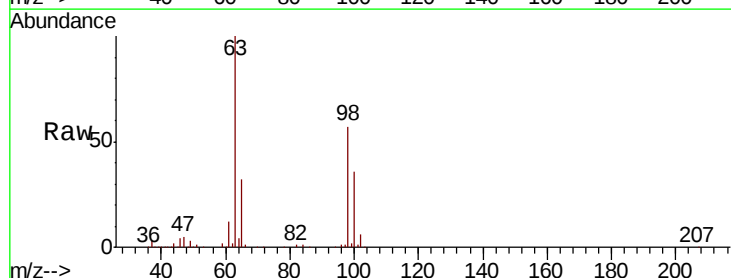
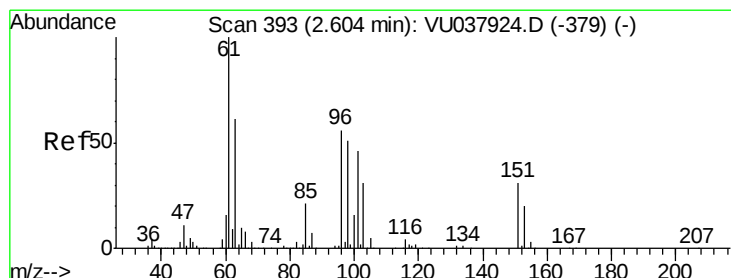
Tgt Ion: 96 Resp: 4260

Ion Ratio Lower Upper

96 100

61 855.7 134.1 249.0#

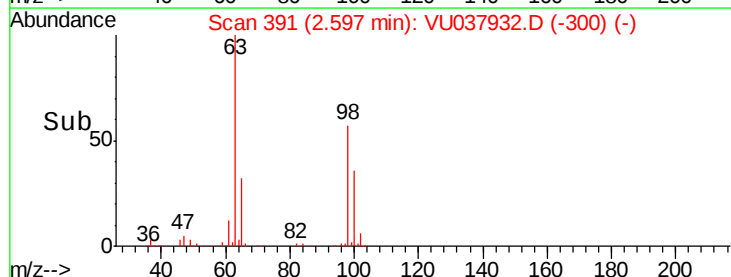
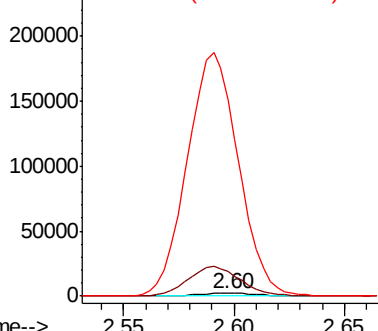
63 6871.5 96.5 179.1#

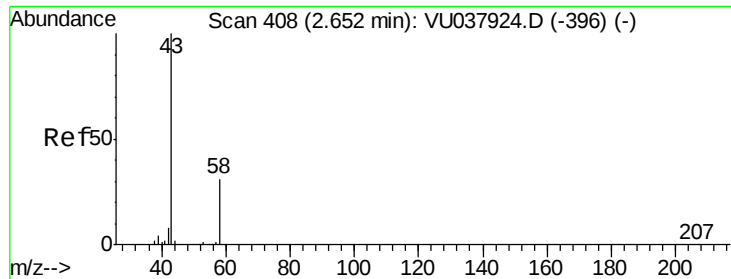


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.479 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037932.D

Acq: 29 Apr 2020 23:48

Instrument :

MSVOA_U

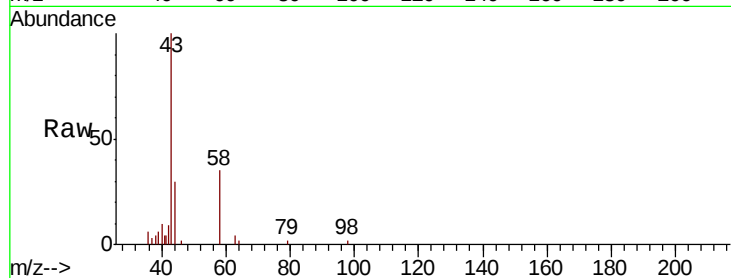
ClientSampleId :

Tot Ion: 43 Resp: 8804

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037924.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037924.D (-396) (-)

2.65

6000

5000

4000

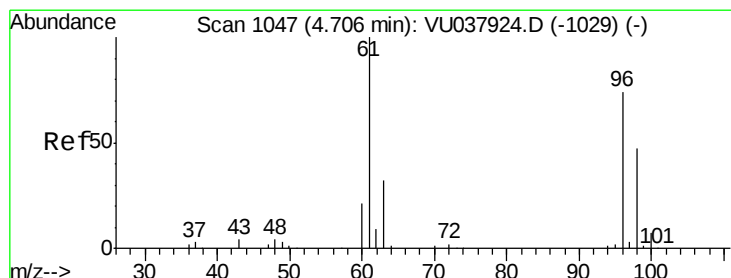
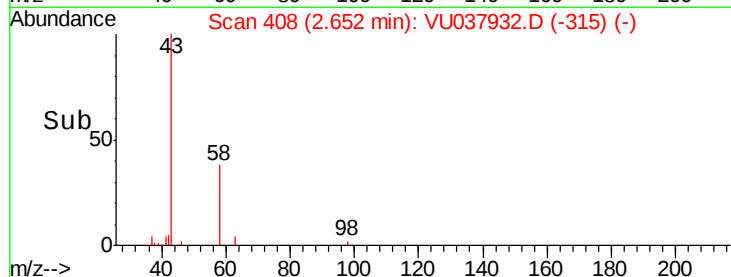
3000

2000

1000

0

Time-->



#20

cis-1,2-Dichloroethene

Concen: 707.569 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037932.D

Acq: 29 Apr 2020 23:48

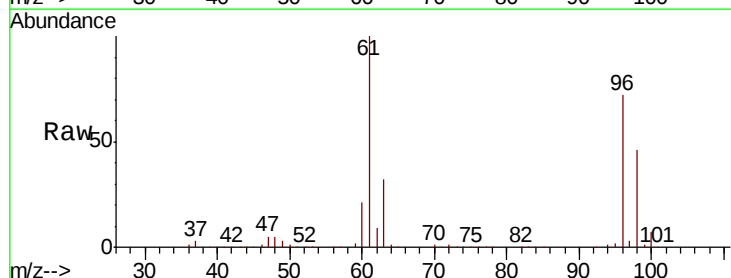
Tgt Ion: 96 Resp: 3221884

Ion Ratio Lower Upper

96 100

61 138.0 100.4 186.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037924.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037924.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037924.D (-1029) (-)

2500000

2000000

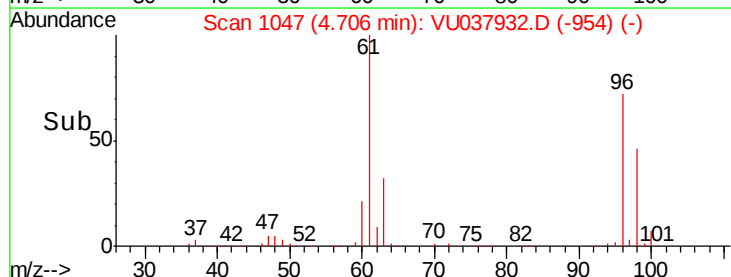
1500000

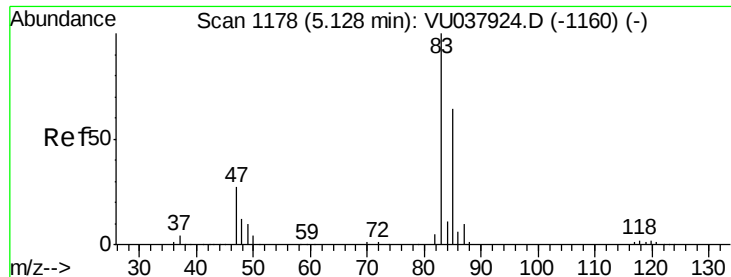
1000000

500000

0

Time-->

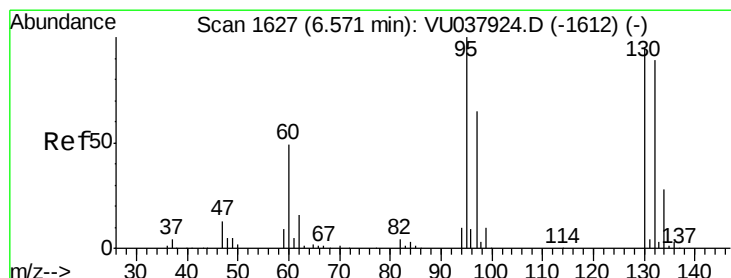
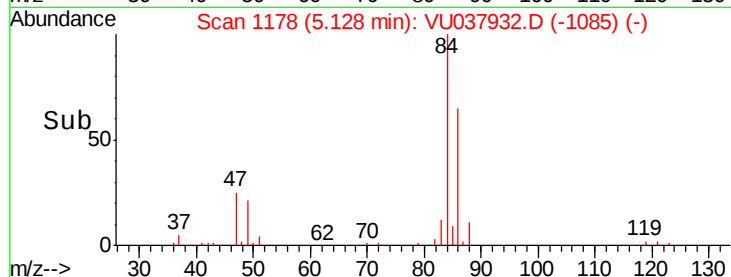
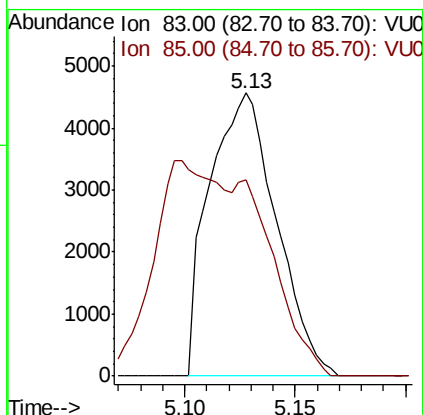
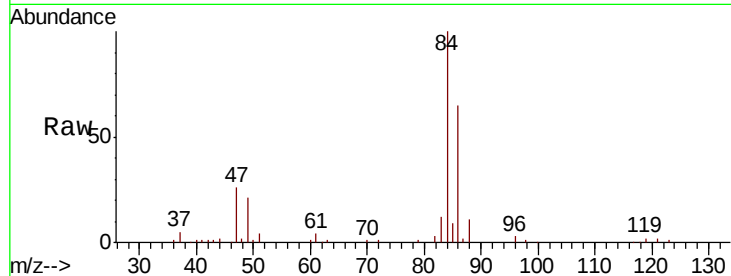




#25
Chloroform
Concen: 1.224 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037932.D
Acq: 29 Apr 2020 23:48

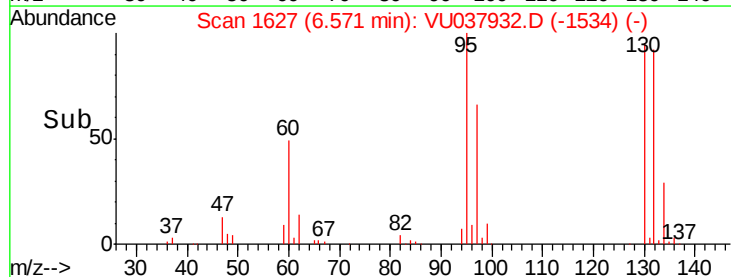
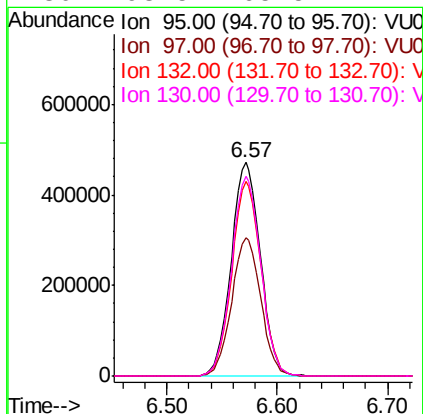
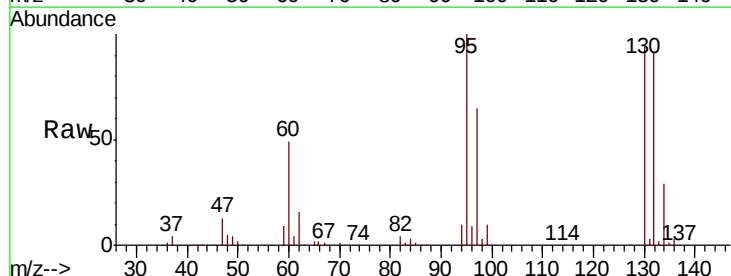
Instrument :
MSVOA_U
ClientSampled :

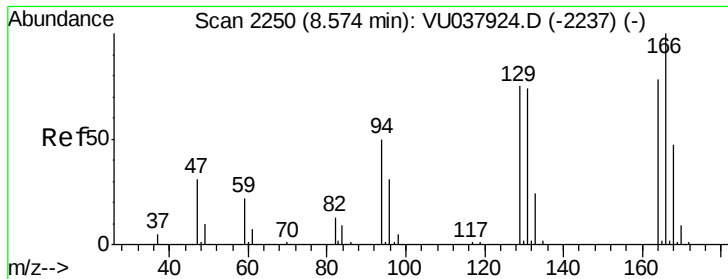
Tot Ion: 83 Resp: 9604
Ion Ratio Lower Upper
83 100
85 69.2 45.1 83.9



#34
Trichloroethene
Concen: 198.806 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU037932.D
Acq: 29 Apr 2020 23:48

Tgt Ion: 95 Resp: 866198
Ion Ratio Lower Upper
95 100
97 64.8 44.4 82.5
132 90.8 65.0 120.6
130 93.5 65.5 121.7

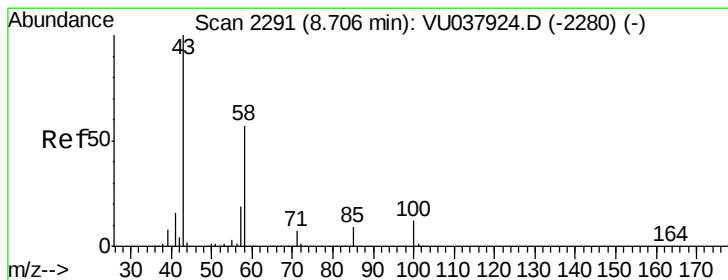
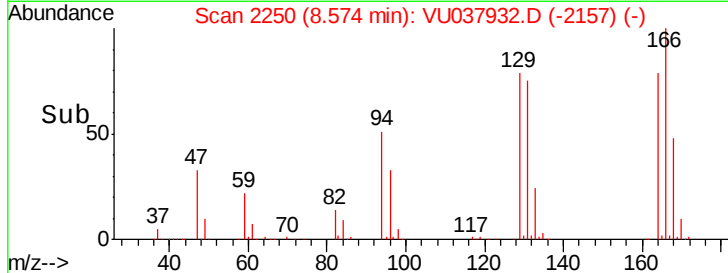
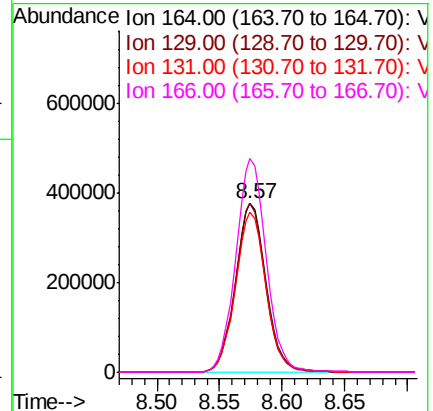
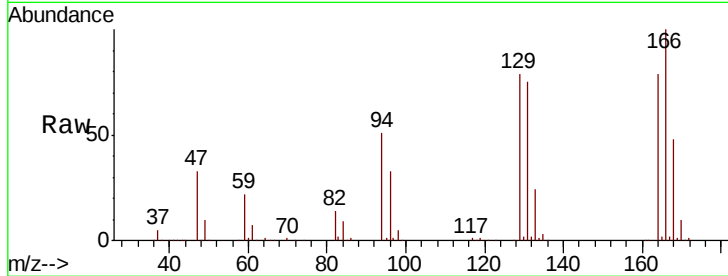




#46
Tetrachloroethene
Concen: 199.130 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037932.D
Acq: 29 Apr 2020 23:48

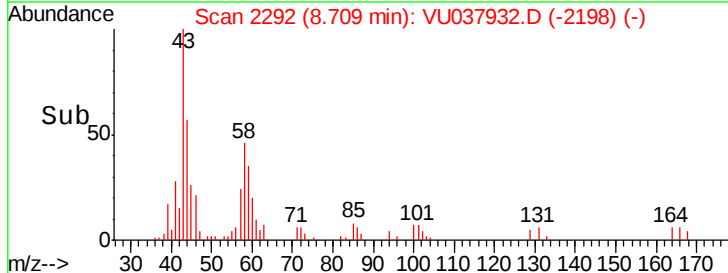
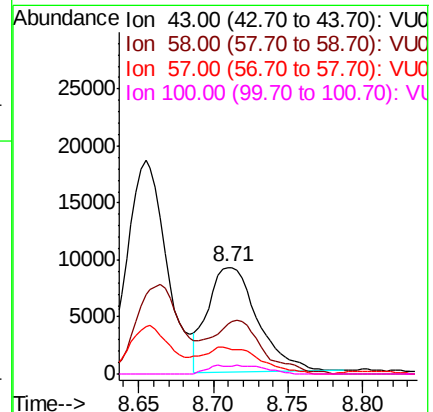
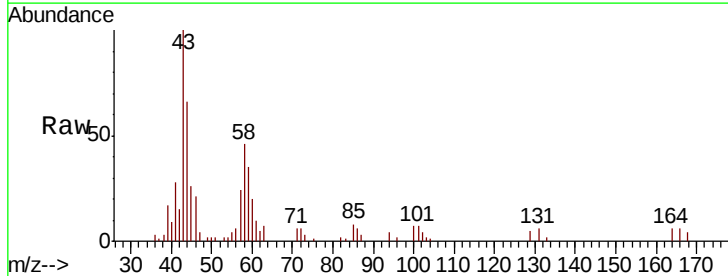
Instrument :
MSVOA_U
ClientSampleId :

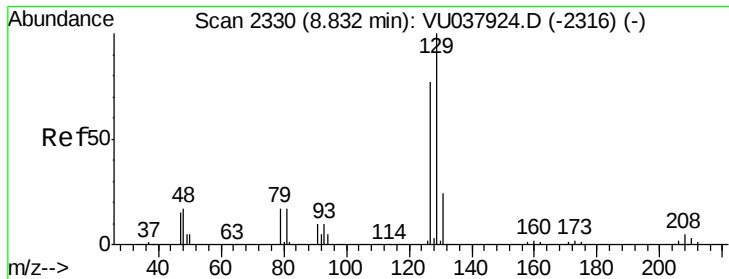
Tot Ion	Ratio	Lower	Upper
164	100		
129	100.1	67.3	125.1
131	94.6	64.8	120.4
166	126.7	88.5	164.4



#48
2-Hexanone
Concen: 3.208 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037932.D
Acq: 29 Apr 2020 23:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	42.6	63.8#
57	3.3	14.6	22.0#
100	3.4	8.6	13.0#

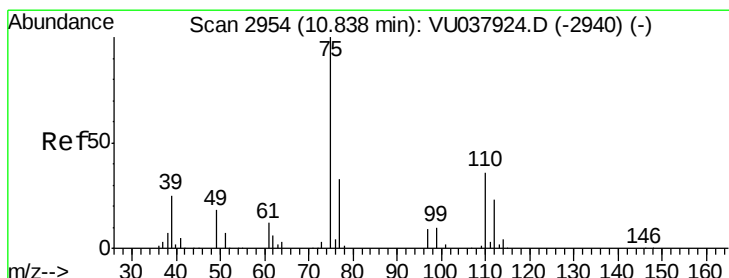
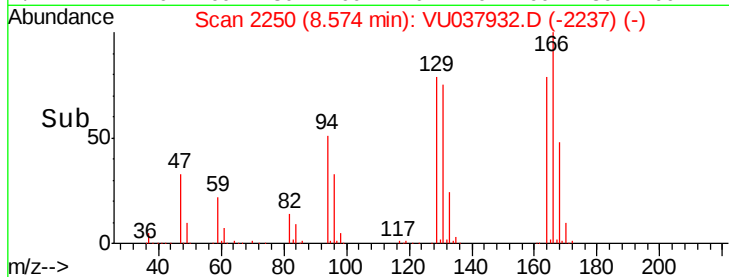
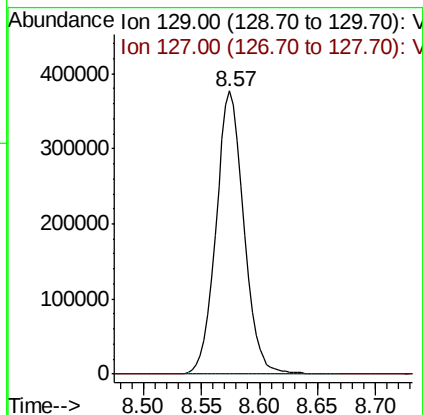
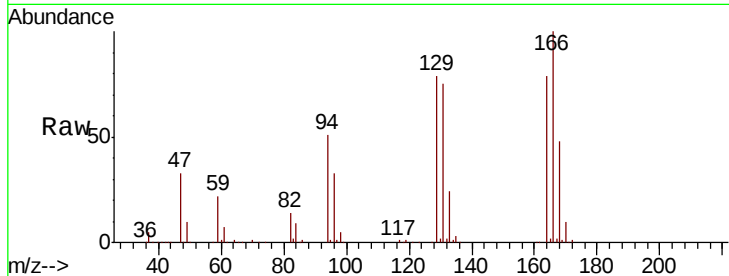




#49
 Dibromochloromethane
 Concen: 141.026 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.26 min
 Lab File: VU037932.D
 Acq: 29 Apr 2020 23:48

Instrument :
 MSVOA_U
 ClientSampleID :

Tot Ion:129 Resp: 623226
 Ion Ratio Lower Upper
 129 100
 127 0.1 54.7 101.5#



#59
 1,2,3-Trichloropropane
 Concen: 5.544 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.99 min
 Lab File: VU037932.D
 Acq: 29 Apr 2020 23:48

Tgt Ion: 75 Resp: 36133
 Ion Ratio Lower Upper
 75 100
 77 38.3 25.8 38.6

