

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
 Data File : VU038732.D
 Acq On : 09 Jun 2020 19:08
 Operator : SY/MD
 Sample : L2897-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW0K9MSD

Quant Time: Jun 10 05:11:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 05:09:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	516561	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	508687	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	242863	50.00	ug/L	0.00

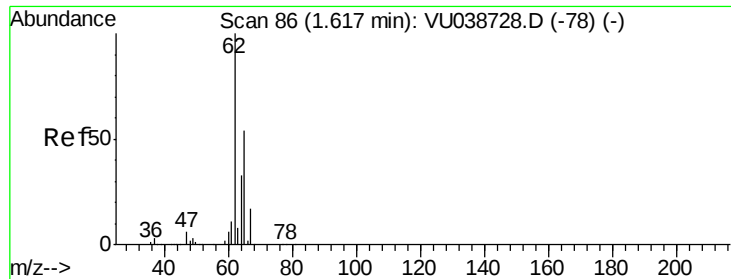
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	147148	50.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.98%
7) Chloroethane-d5	1.93	69	124000	55.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.76%
11) 1,1-Dichloroethene-d2	2.59	63	308029	48.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.94%
21) 2-Butanone-d5	4.66	46	308816	109.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.99%
24) Chloroform-d	5.10	84	322159	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
26) 1,2-Dichloroethane-d4	5.74	65	220190	53.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.78%
32) Benzene-d6	5.76	84	653111	53.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.72	67	201810	53.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.88%
41) Toluene-d8	7.92	98	561888	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%
43) trans-1,3-Dichloropropene-	8.20	79	97368	51.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.42%
47) 2-Hexanone-d5	8.65	63	230349	114.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.59%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	293008	52.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.04%
64) 1,2-Dichlorobenzene-d4	12.20	152	234052	55.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	21660	5.241	ug/L #	73
8) Chloroethane	1.62	64	9349	3.867	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2590	0.781	ug/L #	21
12) 1,1-Dichloroethene	2.61	96	134159	41.032	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	12910	3.608	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	424186	107.250	ug/L	98
27) 1,2-Dichloroethane	5.81	62	5610	0.999	ug/L #	74
33) Benzene	5.81	78	633910	41.965	ug/L	100
34) Trichloroethene	6.57	95	175803	45.760	ug/L	98
37) 1,2-Dichloropropane	6.72	63	22920	5.823	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	5774	0.951	ug/L #	72
42) Toluene	7.99	91	663518	42.009	ug/L	99
51) Chlorobenzene	9.47	112	424638	41.849	ug/L	100
59) 1,2,3-Trichloropropane	11.82	75	31140	5.642	ug/L	89

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



#5

Vinyl chloride

Concen: 5.241 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

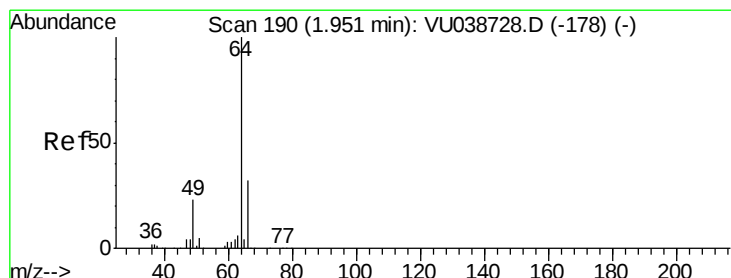
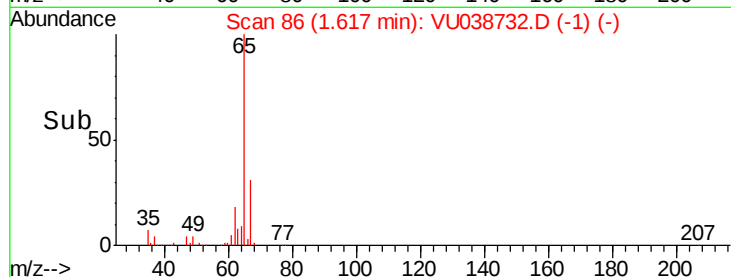
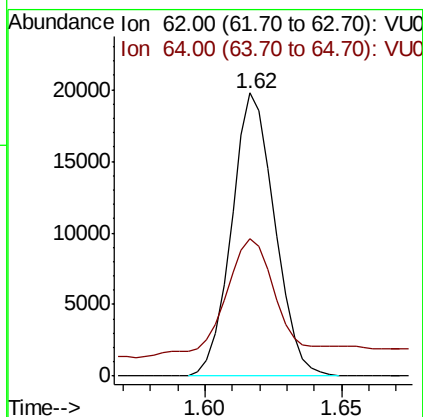
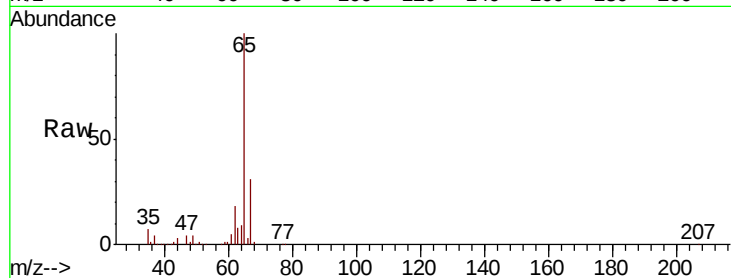
EW0K9MSD

Tot Ion: 62 Resp: 21660

Ion Ratio Lower Upper

62 100

64 48.4 23.0 42.8#



#8

Chloroethane

Concen: 3.867 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.33 min

Lab File: VU038732.D

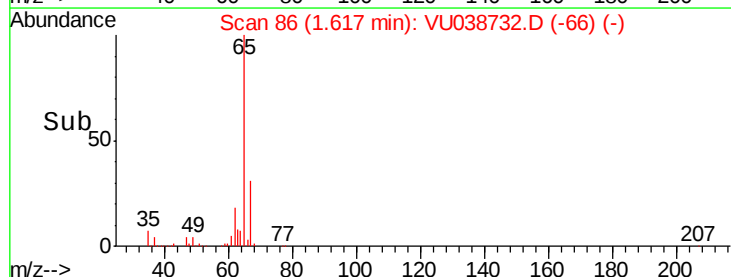
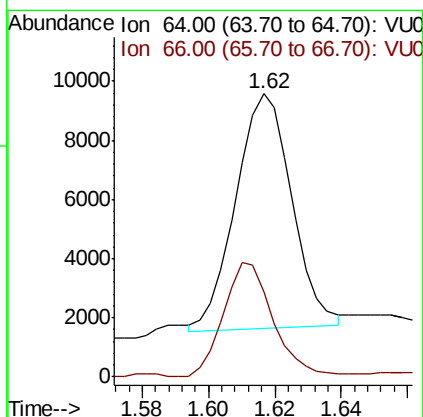
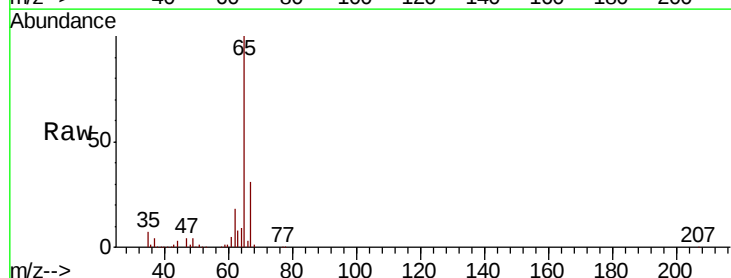
Acq: 09 Jun 2020 19:08

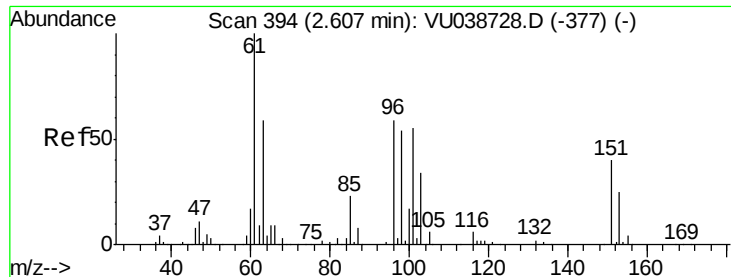
Tgt Ion: 64 Resp: 9349

Ion Ratio Lower Upper

64 100

66 30.0 21.6 40.2





#10

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

Concen: 0.781 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

EW0K9MSD

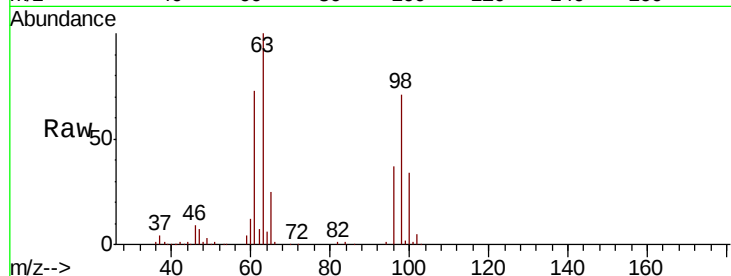
Tot Ion:101 Resp: 2590

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

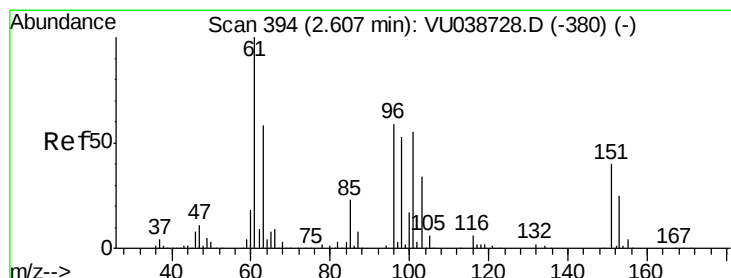
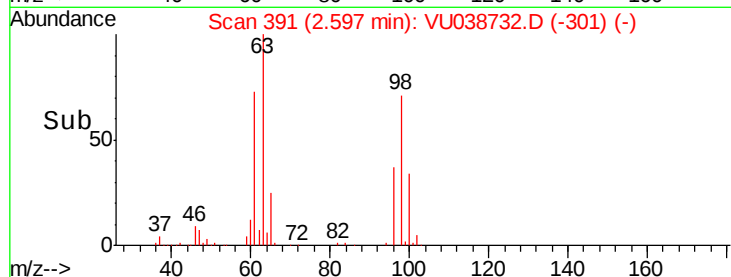
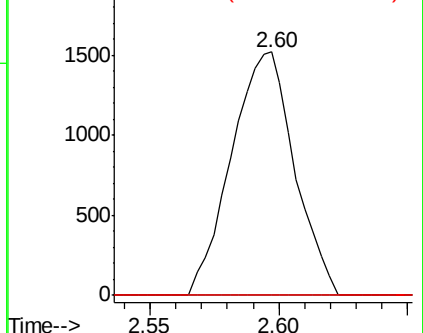
151 0.0 57.4 86.0#



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: 41.032 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

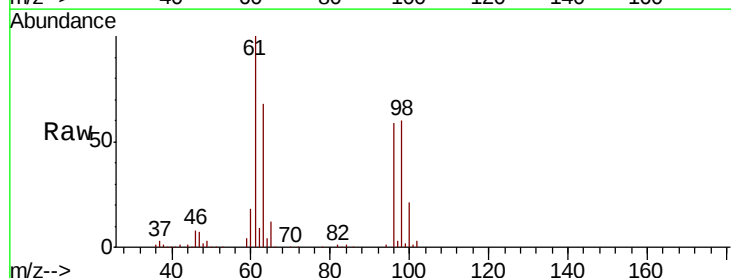
Tgt Ion: 96 Resp: 134159

Ion Ratio Lower Upper

96 100

61 170.9 120.0 223.0

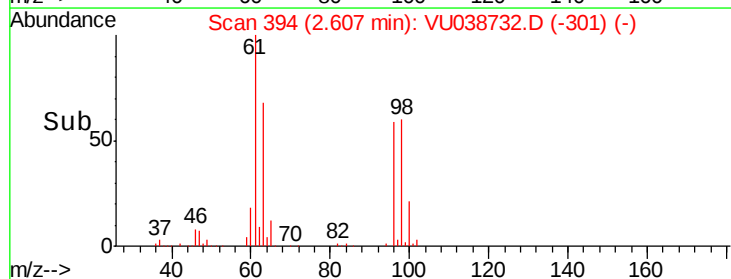
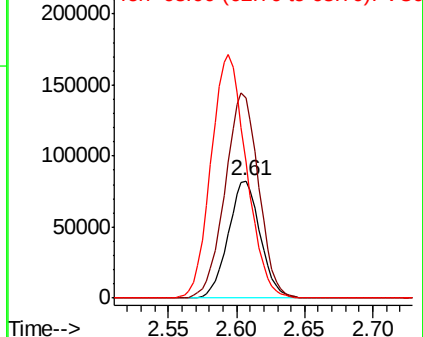
63 116.3 75.8 140.8

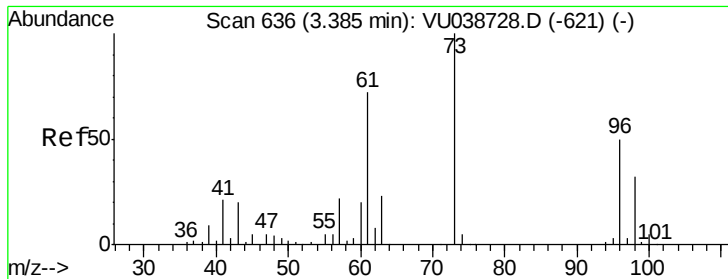


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

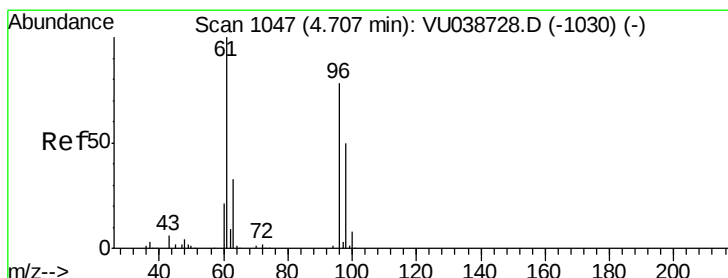
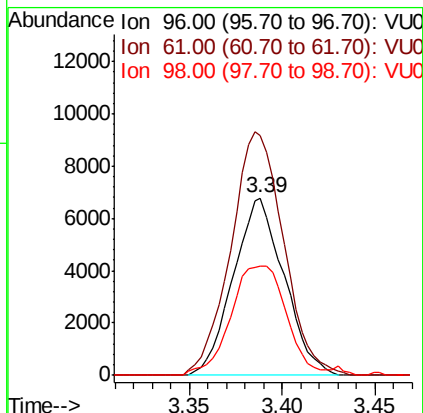
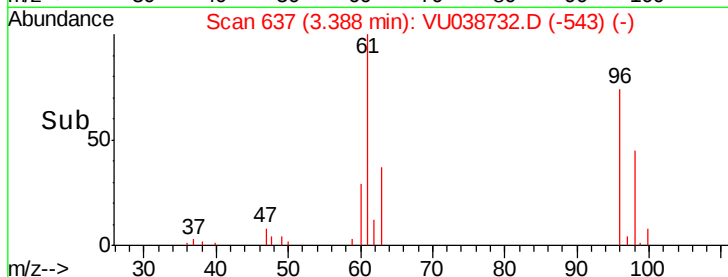
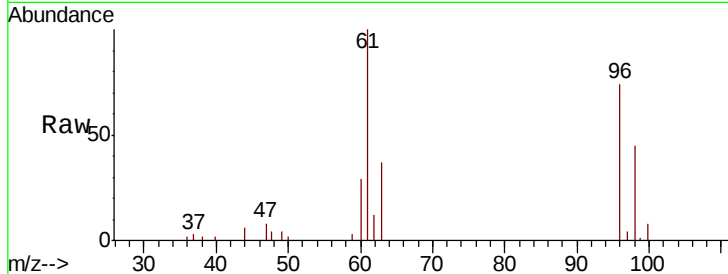




#17
trans-1,2-Dichloroethene
Concen: 3.608 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038732.D
Acq: 09 Jun 2020 19:08

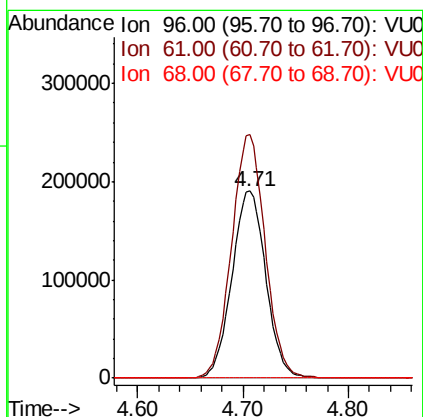
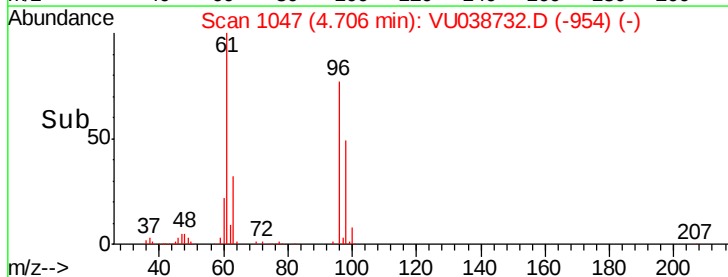
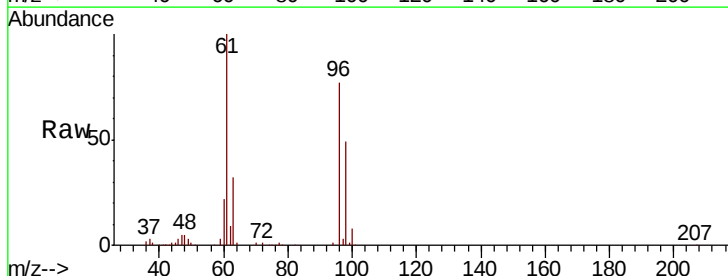
Instrument :
MSVOA_U
ClientSampleId :
EW0K9MSD

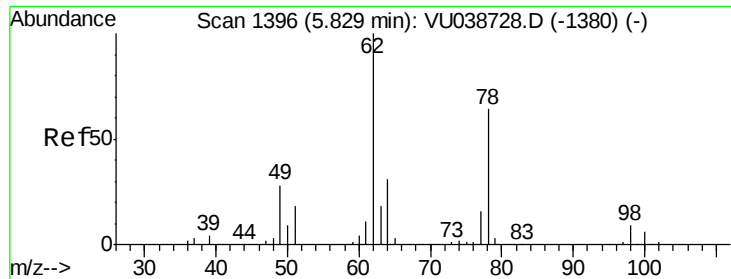
Tot Ion: 96 Resp: 12910
Ion Ratio Lower Upper
96 100
61 135.5 98.2 182.4
98 61.4 44.3 82.3



#20
cis-1,2-Dichloroethene
Concen: 107.250 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU038732.D
Acq: 09 Jun 2020 19:08

Tgt Ion: 96 Resp: 424186
Ion Ratio Lower Upper
96 100
61 130.1 89.5 166.1
68 0.0 0.0 0.0

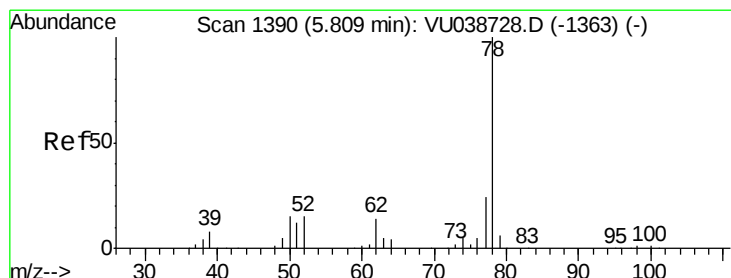
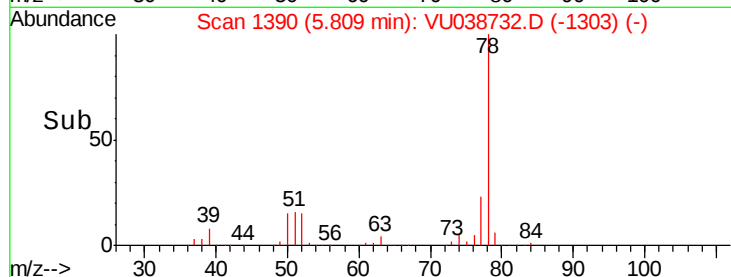
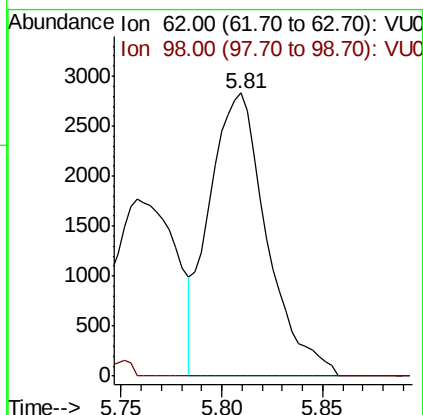
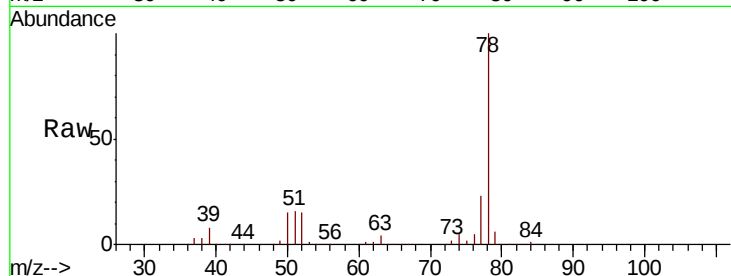




#27
 1,2-Dichloroethane
 Concen: 0.999 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VU038732.D
 Acq: 09 Jun 2020 19:08

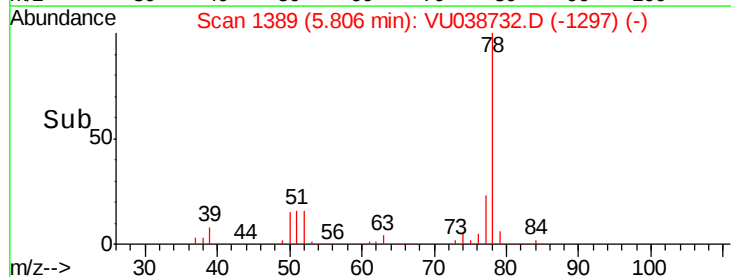
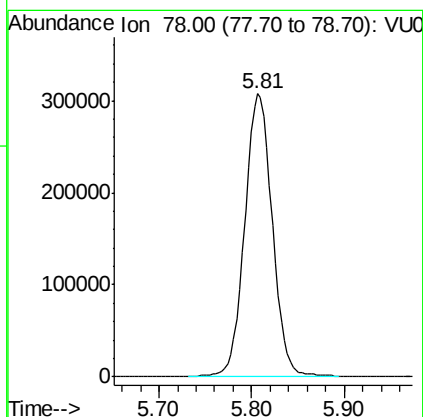
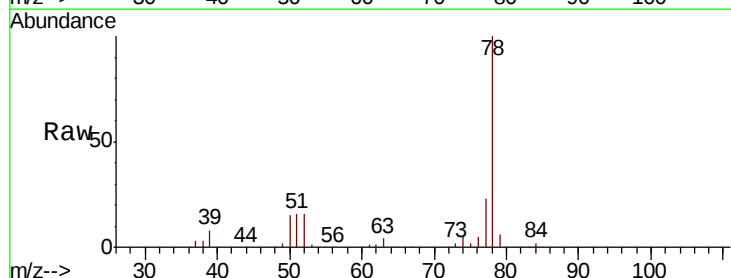
Instrument :
 MSVOA_U
 ClientSampleId :
 EW0K9MSD

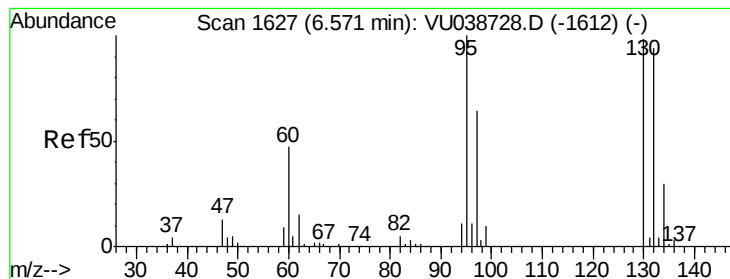
Tot Ion: 62 Resp: 5610
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.6#



#33
 Benzene
 Concen: 41.965 ug/L
 RT: 5.81 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VU038732.D
 Acq: 09 Jun 2020 19:08

Tgt Ion: 78 Resp: 633910





#34

Trichloroethene

Concen: 45.760 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

EW0K9MSD

Tot Ion: 95 Resp: 175803

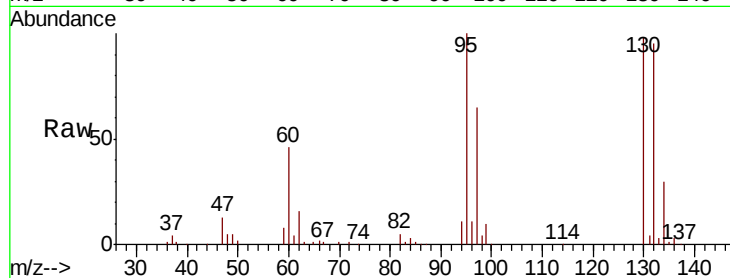
Ion Ratio Lower Upper

95 100

97 64.9 44.4 82.4

132 95.1 64.9 120.5

130 98.4 68.6 127.4

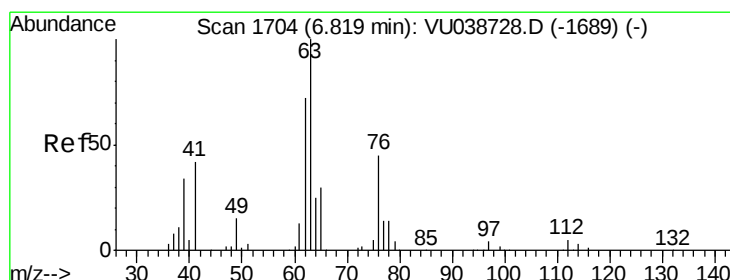
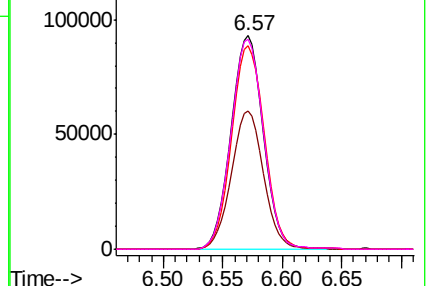
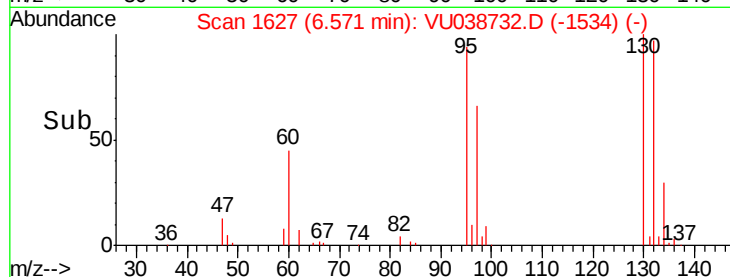


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.823 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038732.D

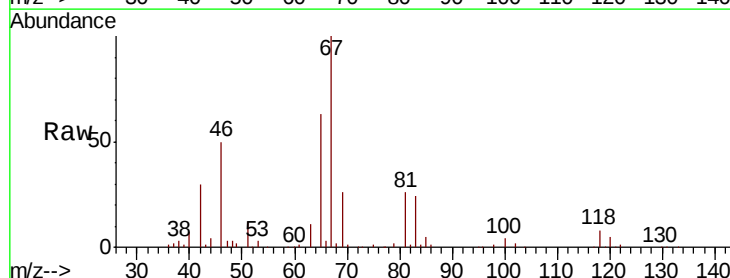
Acq: 09 Jun 2020 19:08

Tgt Ion: 63 Resp: 22920

Ion Ratio Lower Upper

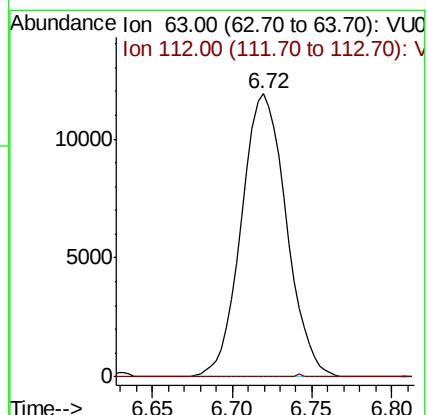
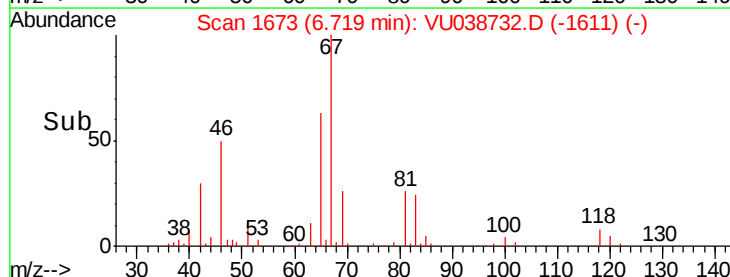
63 100

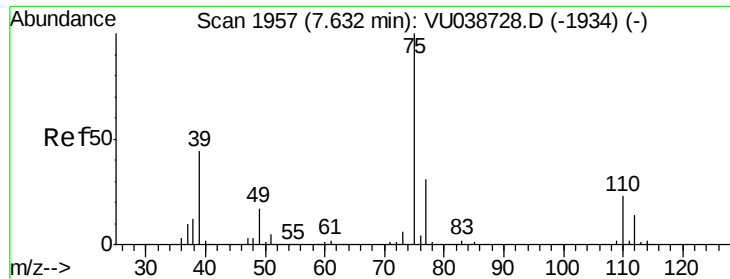
112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

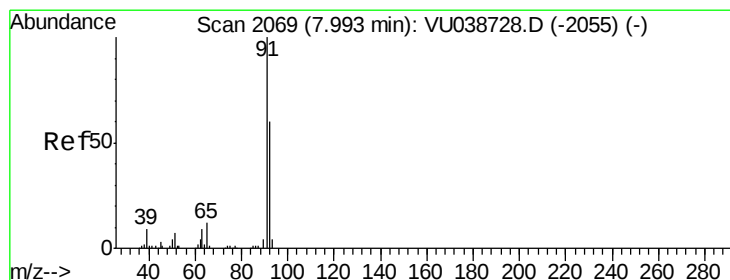
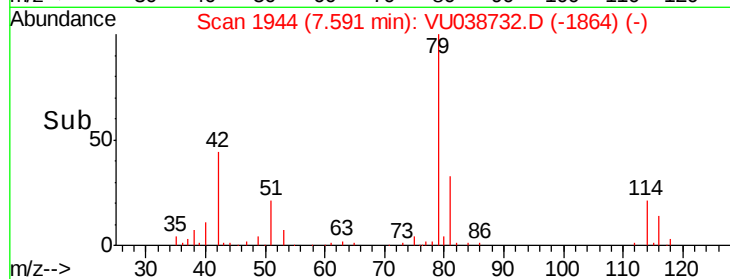
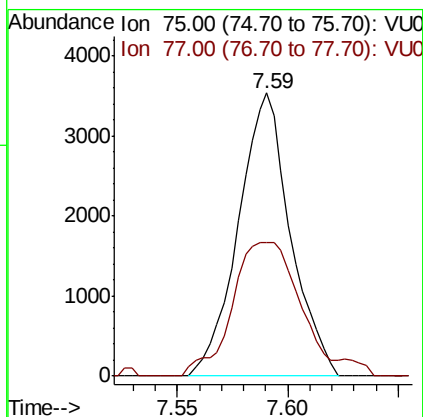
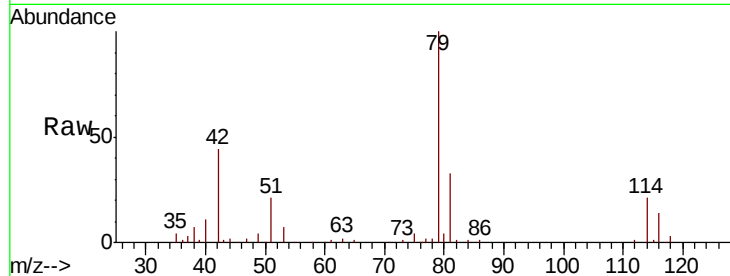




#39
 cis-1,3-Dichloropropene
 Concen: 0.951 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038732.D
 Acq: 09 Jun 2020 19:08

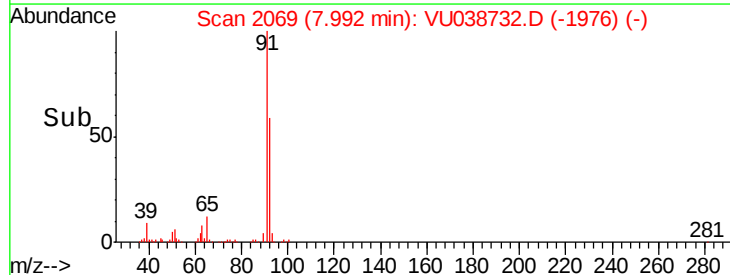
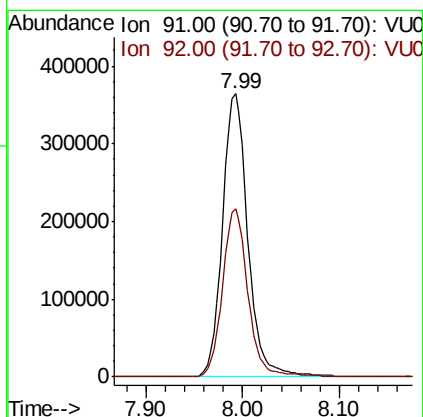
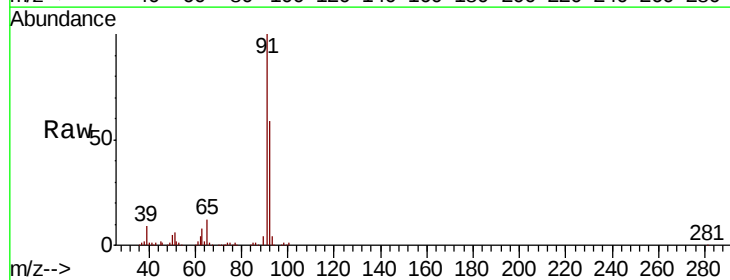
Instrument :
 MSVOA_U
 ClientSampleId :
 EW0K9MSD

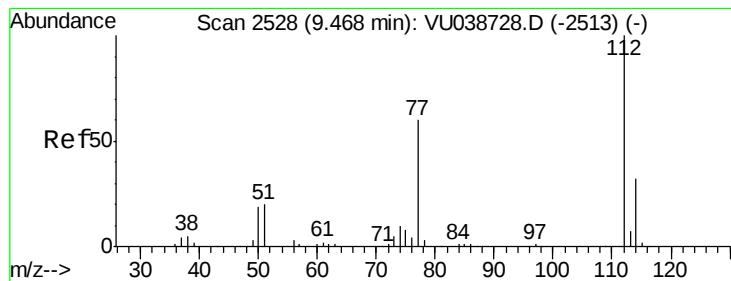
Tot Ion: 75 Resp: 5774
 Ion Ratio Lower Upper
 75 100
 77 47.4 22.2 41.2#



#42
 Toluene
 Concen: 42.009 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU038732.D
 Acq: 09 Jun 2020 19:08

Tgt Ion: 91 Resp: 663518
 Ion Ratio Lower Upper
 91 100
 92 59.3 42.2 78.4





#51

Chlorobenzene

Concen: 41.849 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

Instrument :

MSVOA_U

ClientSampleId :

EW0K9MSD

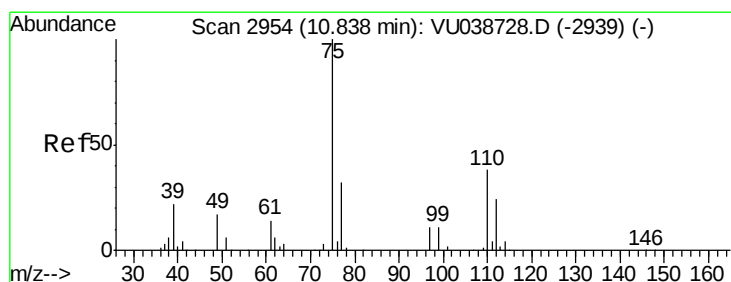
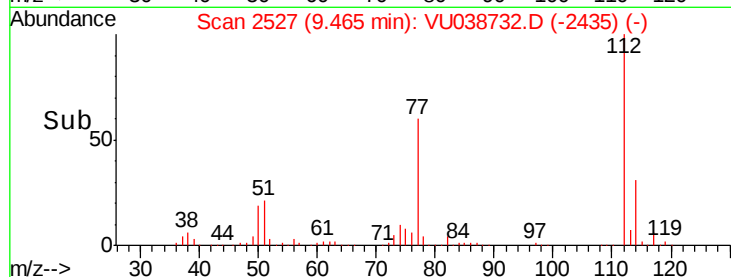
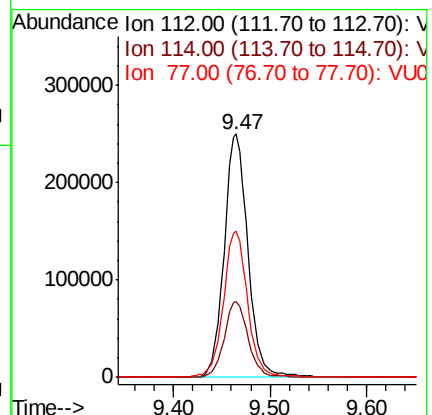
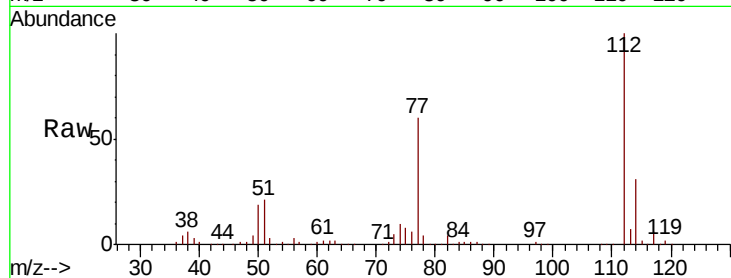
Tot Ion:112 Resp: 424638

Ion Ratio Lower Upper

112 100

114 31.2 22.2 41.2

77 59.9 47.9 71.9



#59

1,2,3-Trichloropropane

Concen: 5.642 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038732.D

Acq: 09 Jun 2020 19:08

Tgt Ion: 75 Resp: 31140

Ion Ratio Lower Upper

75 100

77 37.7 25.3 37.9

