

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
 Data File : VU038731.D
 Acq On : 09 Jun 2020 18:46
 Operator : SY/MD
 Sample : L2897-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW0K9MS

Quant Time: Jun 10 05:11:14 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	469121	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	457508	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	218838	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	127547	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.32%
7) Chloroethane-d5	1.93	69	105971	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.24%
11) 1,1-Dichloroethene-d2	2.59	63	254617	44.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.14%
21) 2-Butanone-d5	4.66	46	265177	104.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.00%
24) Chloroform-d	5.10	84	273200	48.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.70%
26) 1,2-Dichloroethane-d4	5.74	65	188537	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.68%
32) Benzene-d6	5.76	84	556888	50.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.06%
36) 1,2-Dichloropropane-d6	6.72	67	172688	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.68%
41) Toluene-d8	7.92	98	474457	47.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.28%
43) trans-1,3-Dichloropropene-	8.20	79	82451	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.44%
47) 2-Hexanone-d5	8.65	63	191623	105.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.99%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	246955	48.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.48%
64) 1,2-Dichlorobenzene-d4	12.20	152	198177	52.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.32%

Target Compounds

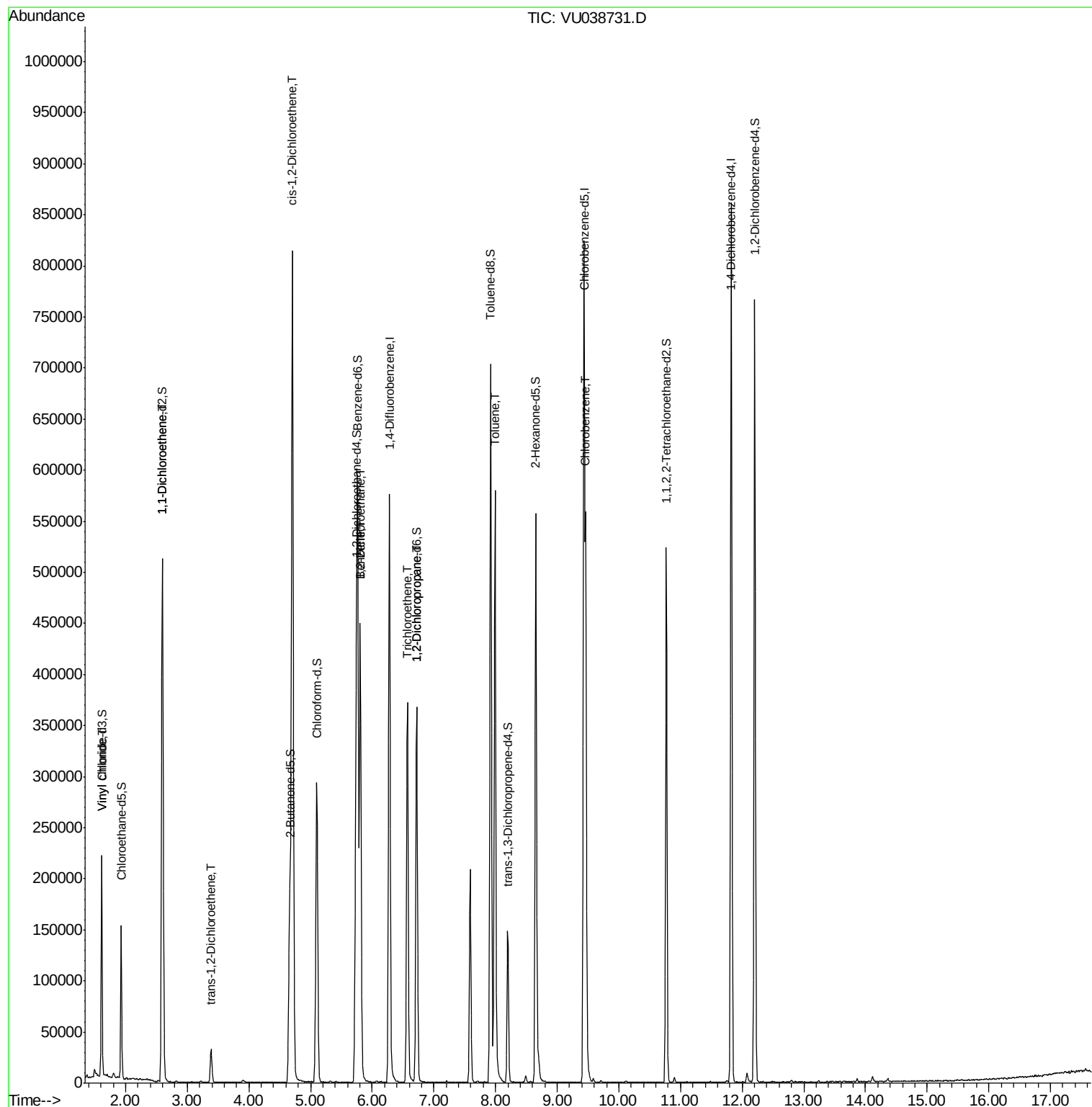
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	21005	5.597	ug/L #	66
12) 1,1-Dichloroethene	2.61	96	90206	30.379	ug/L	89
17) trans-1,2-Dichloroethene	3.39	96	13550	4.170	ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	420398	117.041	ug/L	99
27) 1,2-Dichloroethane	5.81	62	4342	0.852	ug/L #	74
33) Benzene	5.81	78	418337	30.792	ug/L	100
34) Trichloroethene	6.57	95	125205	36.235	ug/L	98
37) 1,2-Dichloropropane	6.72	63	18895	5.337	ug/L #	87
42) Toluene	7.99	91	428890	30.192	ug/L	100
51) Chlorobenzene	9.47	112	274891	30.121	ug/L	99

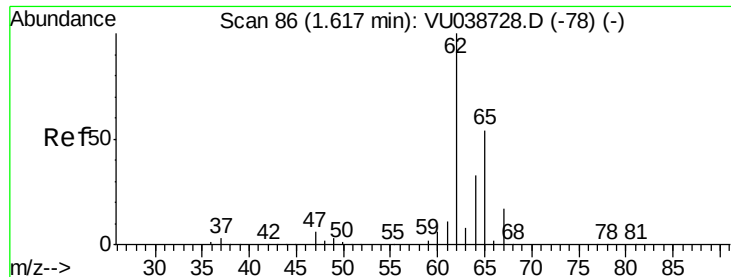
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jun 10 05:09:22 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.597 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038731.D

Acq: 09 Jun 2020 18:46

Instrument :

MSVOA_U

ClientSampled :

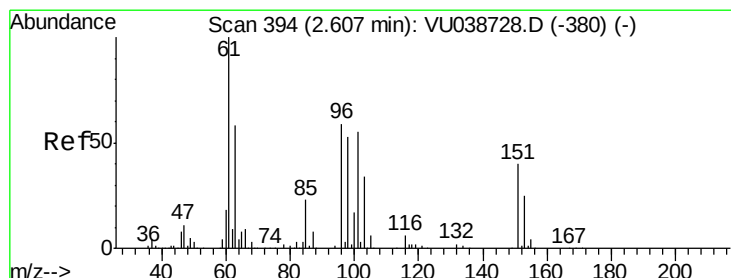
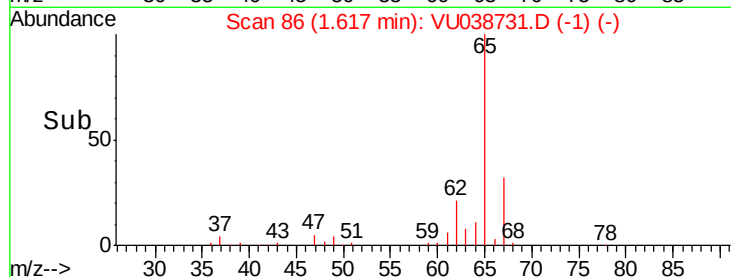
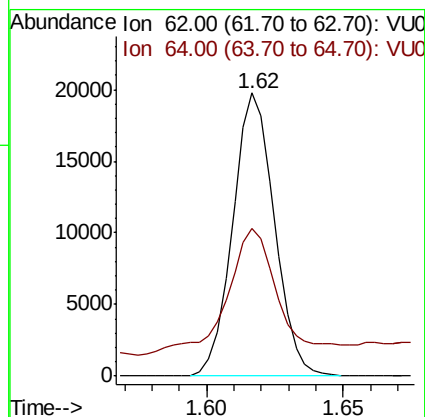
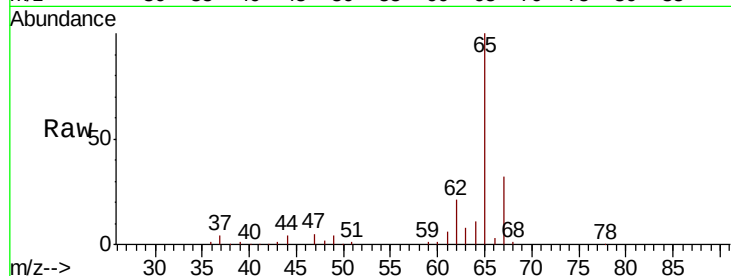
EW0K9MS

Tot Ion: 62 Resp: 21005

Ion Ratio Lower Upper

62 100

64 52.0 23.0 42.8#



#12

1,1-Dichloroethene

Concen: 30.379 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038731.D

Acq: 09 Jun 2020 18:46

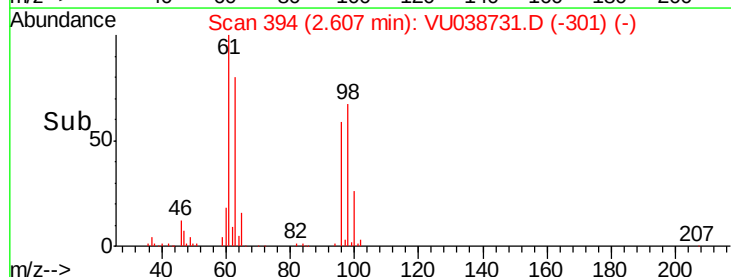
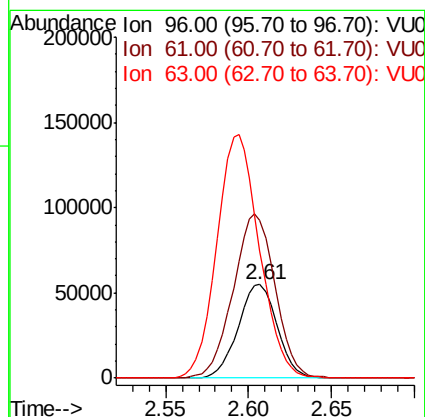
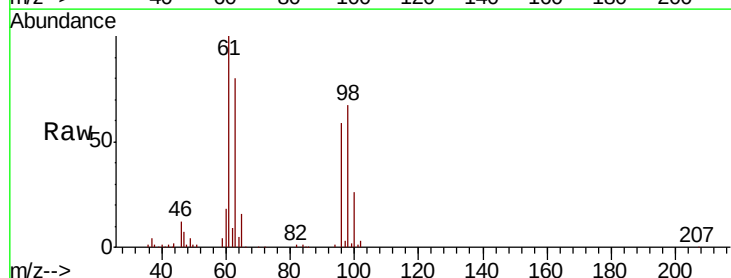
Tgt Ion: 96 Resp: 90206

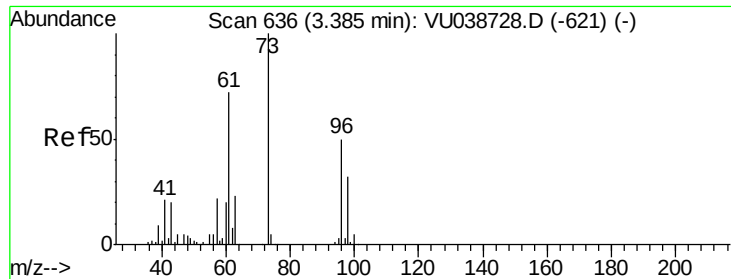
Ion Ratio Lower Upper

96 100

61 168.7 120.0 223.0

63 135.7 75.8 140.8





#17

trans-1,2-Dichloroethene

Concen: 4.170 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU038731.D

Acq: 09 Jun 2020 18:46

Instrument :

MSVOA_U

ClientSampleId :

EW0K9MS

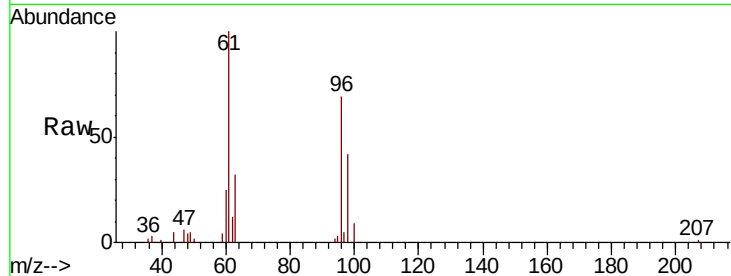
Tot Ion: 96 Resp: 13550

Ion Ratio Lower Upper

96 100

61 145.8 98.2 182.4

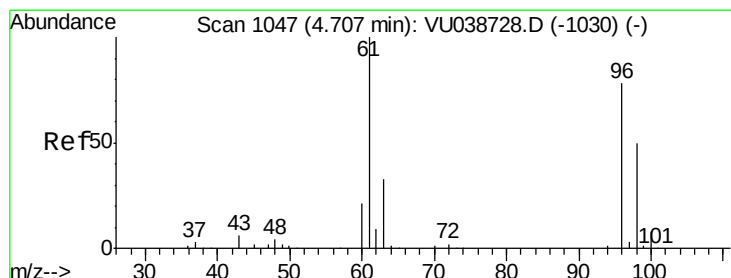
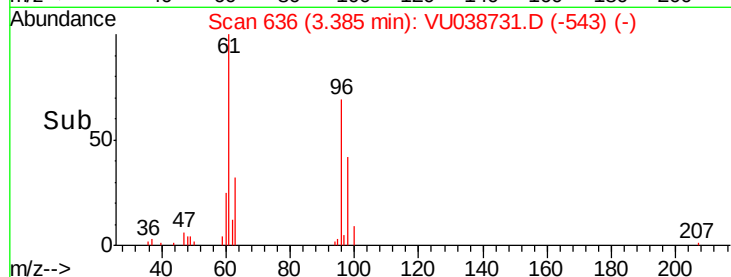
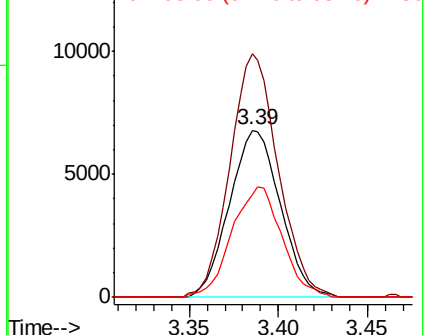
98 61.6 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 117.041 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038731.D

Acq: 09 Jun 2020 18:46

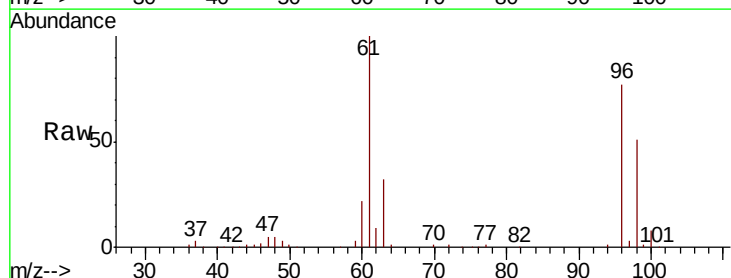
Tgt Ion: 96 Resp: 420398

Ion Ratio Lower Upper

96 100

61 129.1 89.5 166.1

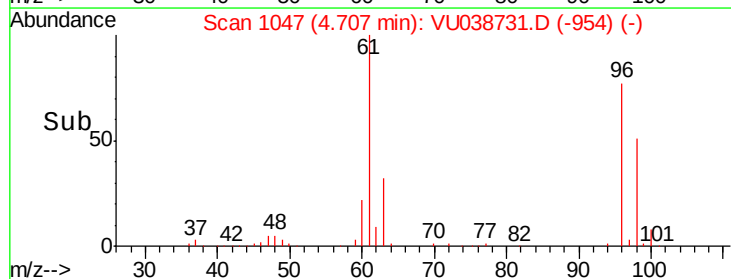
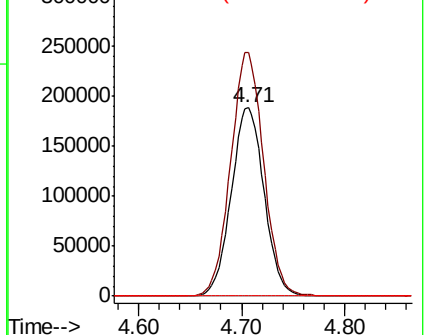
68 0.0 0.0 0.0

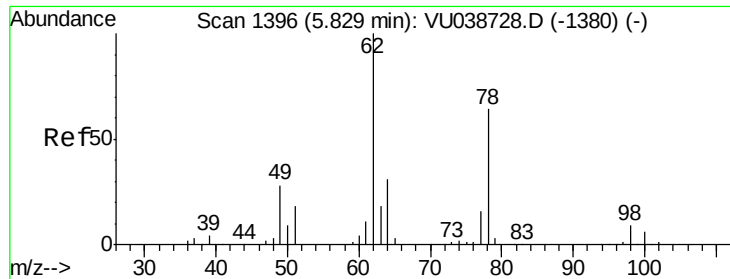


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0

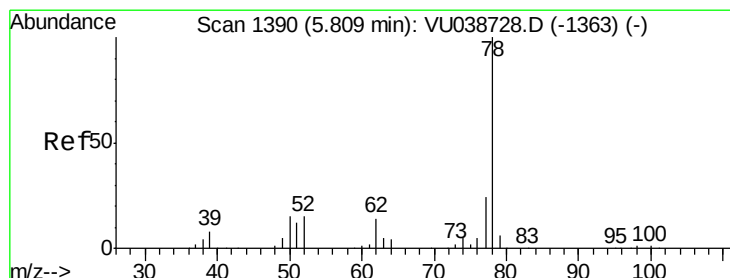
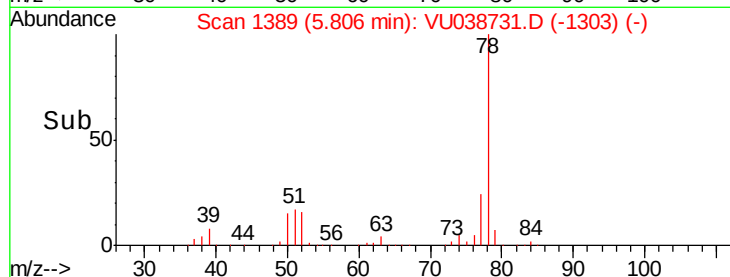
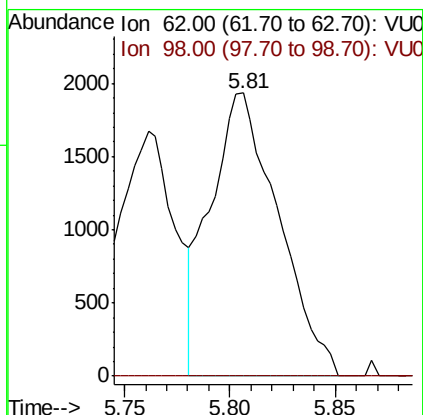
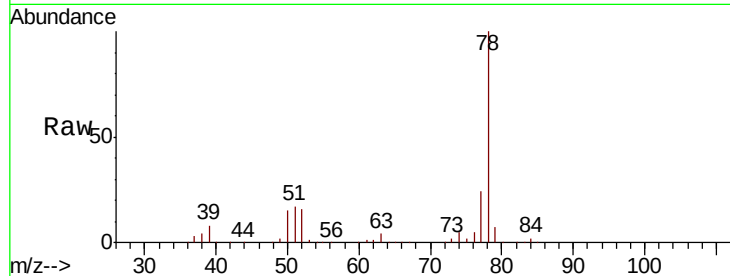




#27
 1,2-Dichloroethane
 Concen: 0.852 ug/L
 RT: 5.81 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VU038731.D
 Acq: 09 Jun 2020 18:46

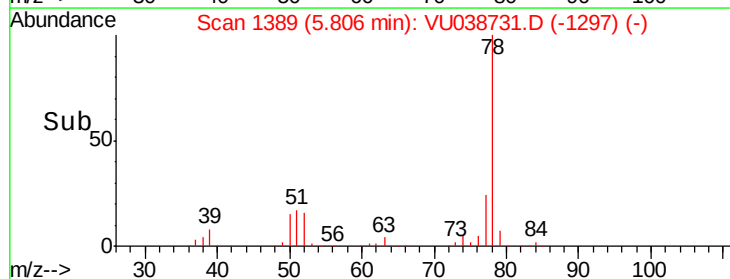
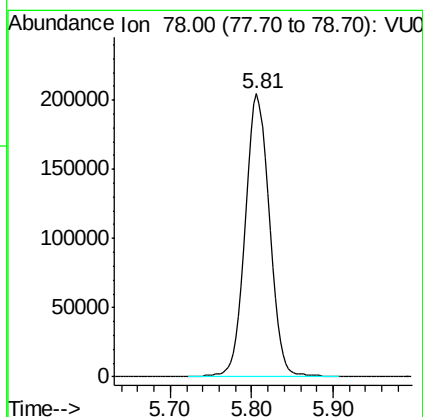
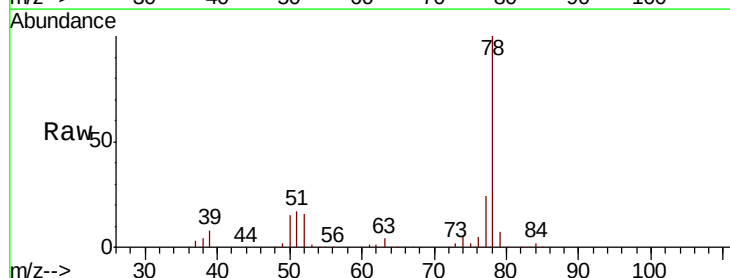
Instrument :
 MSVOA_U
 ClientSampleId :
 EW0K9MS

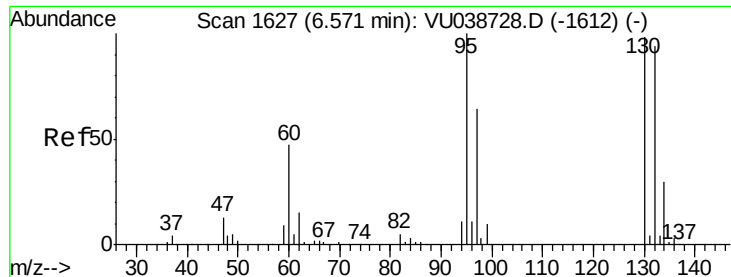
Tot Ion: 62 Resp: 4342
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.6#



#33
 Benzene
 Concen: 30.792 ug/L
 RT: 5.81 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VU038731.D
 Acq: 09 Jun 2020 18:46

Tgt Ion: 78 Resp: 418337





#34

Trichloroethene

Concen: 36.235 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038731.D

Acq: 09 Jun 2020 18:46

Instrument :

MSVOA_U

ClientSampleId :

EW0K9MS

Tot Ion: 95 Resp: 125205

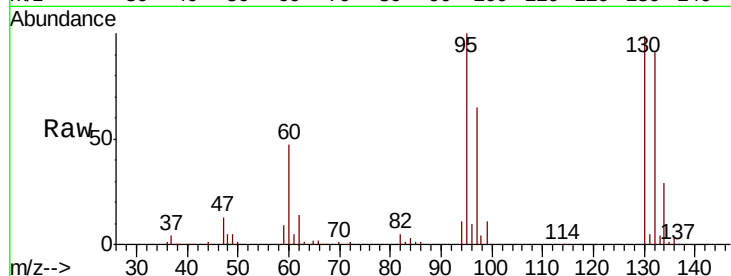
Ion Ratio Lower Upper

95 100

97 64.8 44.4 82.4

132 90.7 64.9 120.5

130 99.4 68.6 127.4

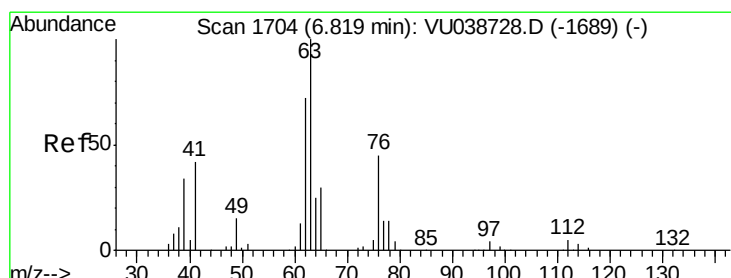
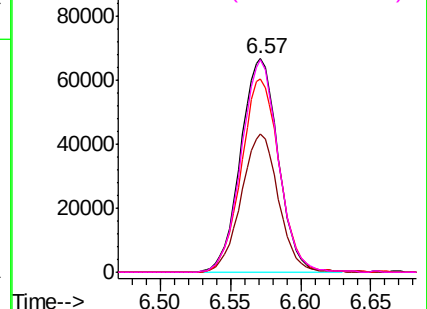
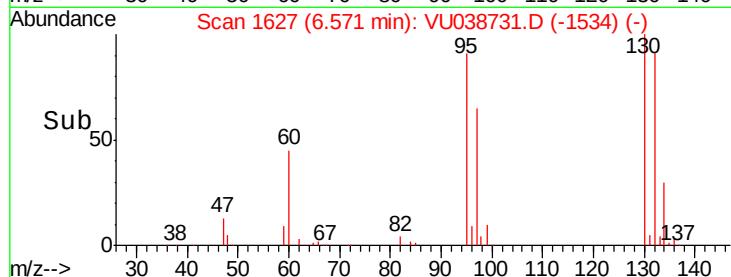


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.337 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038731.D

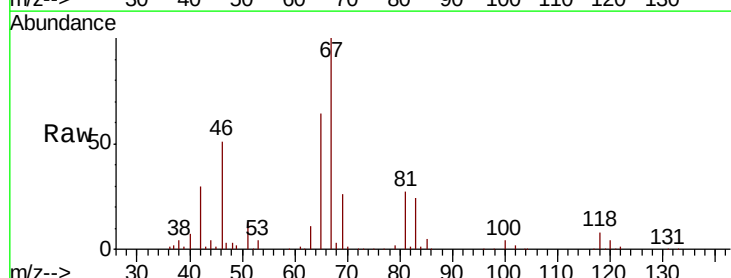
Acq: 09 Jun 2020 18:46

Tgt Ion: 63 Resp: 18895

Ion Ratio Lower Upper

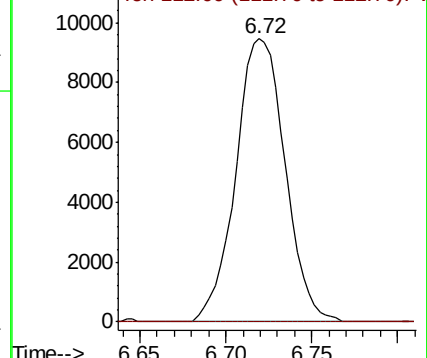
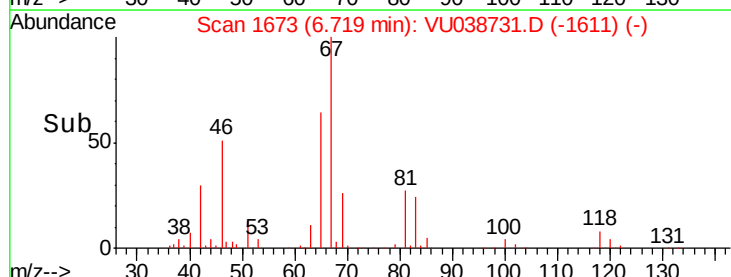
63 100

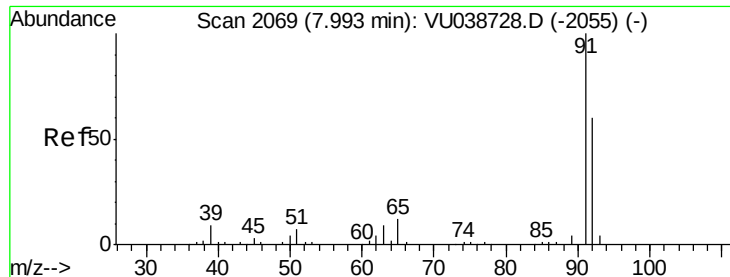
112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 30.192 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038731.D

Acq: 09 Jun 2020 18:46

Instrument :

MSVOA_U

ClientSampleId :

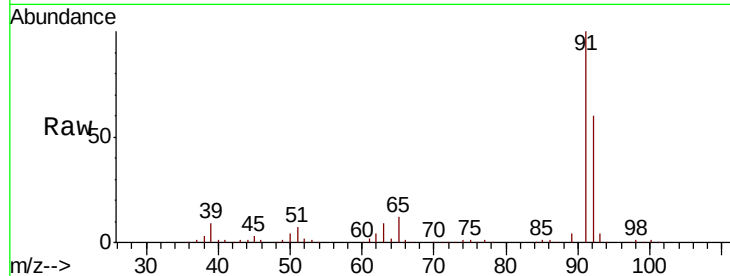
EW0K9MS

Tot Ion: 91 Resp: 428890

Ion Ratio Lower Upper

91 100

92 60.4 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038728.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU038728.D (-2055) (-)

7.99

250000

200000

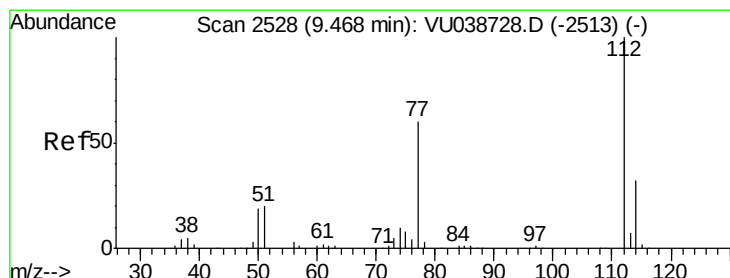
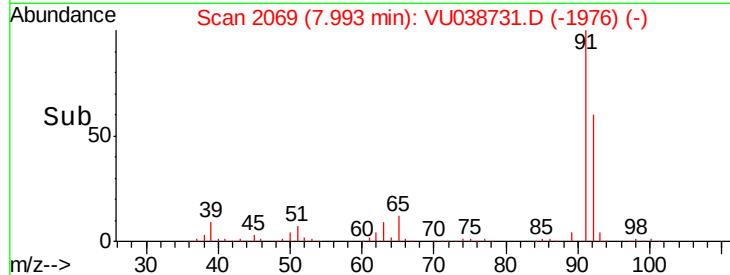
150000

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 30.121 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038731.D

Acq: 09 Jun 2020 18:46

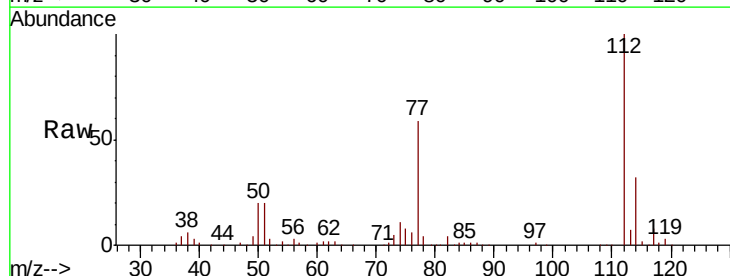
Tgt Ion: 112 Resp: 274891

Ion Ratio Lower Upper

112 100

114 32.0 22.2 41.2

77 59.2 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): VU038728.D (-2513) (-)

Ion 114.00 (113.70 to 114.70): VU038728.D (-2513) (-)

Ion 77.00 (76.70 to 77.70): VU038728.D (-2513) (-)

9.47

200000

150000

100000

50000

0

Time-->

