

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 05:23:46 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

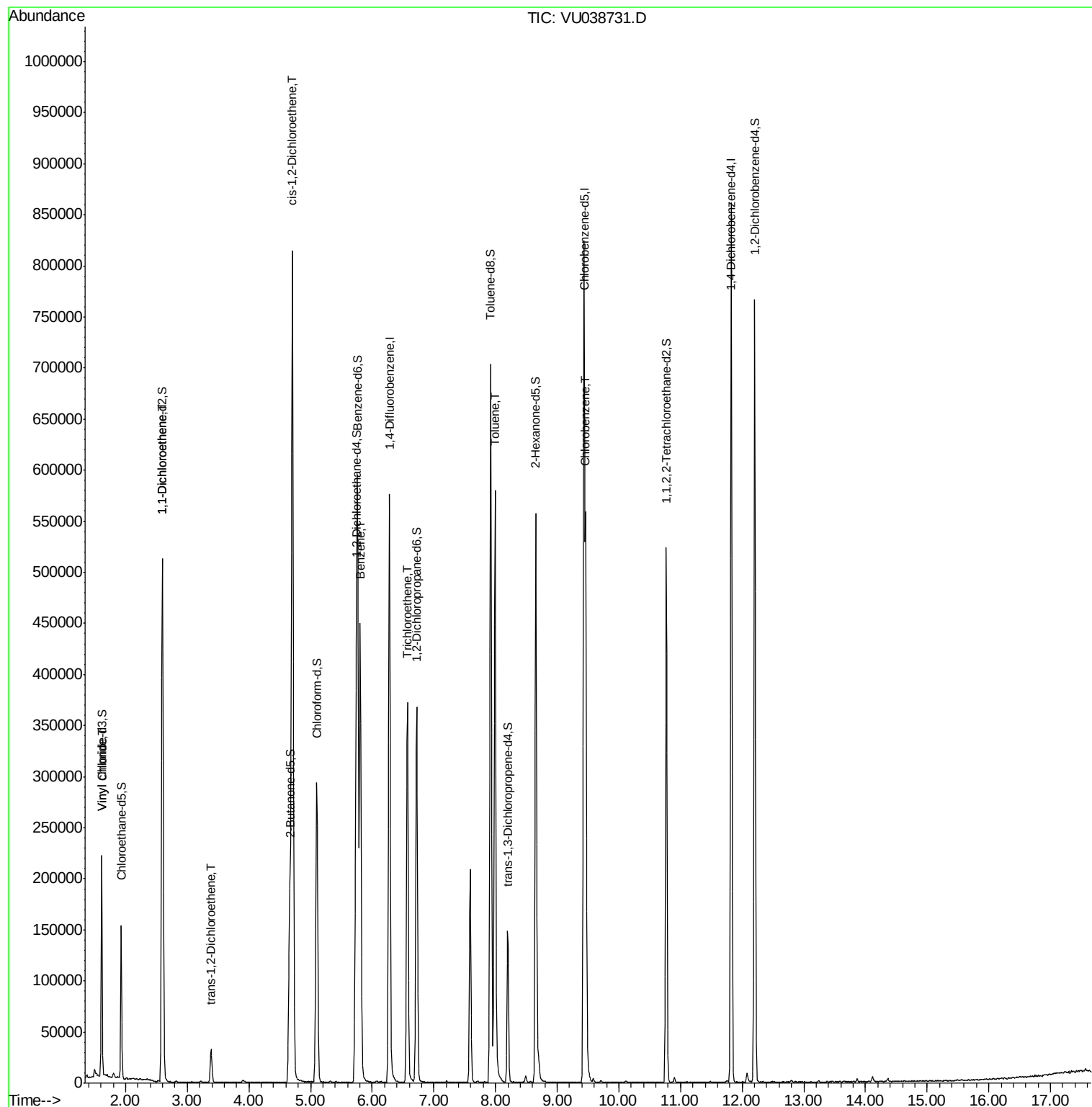
					Ovalue
5) Vinyl chloride	1.62	62	21005	5.597 ug/L	# 66
12) 1,1-Dichloroethene	2.61	96	90206	30.379 ug/L	89
17) trans-1,2-Dichloroethene	3.39	96	13550	4.170 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	420398	117.041 ug/L	99
33) Benzene	5.81	78	418337	30.792 ug/L	100
34) Trichloroethene	6.57	95	125205	36.235 ug/L	98
42) Toluene	7.99	91	428890	30.192 ug/L	100
51) Chlorobenzene	9.47	112	274891	30.121 ug/L	99

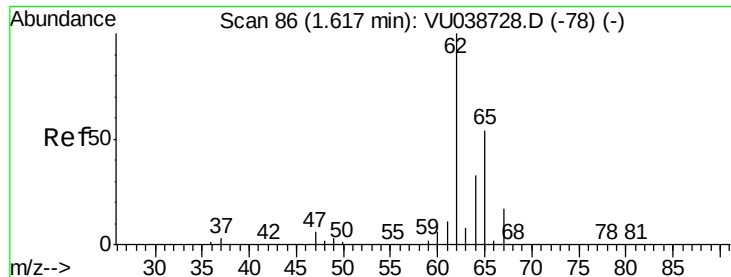
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampleId :

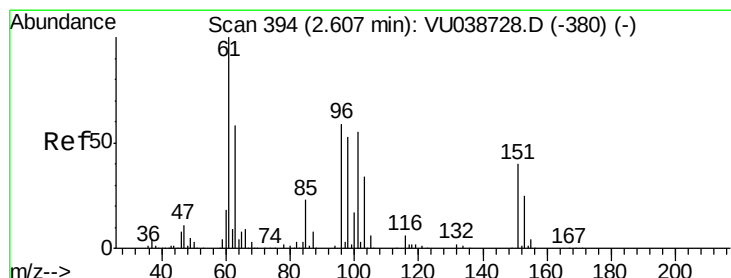
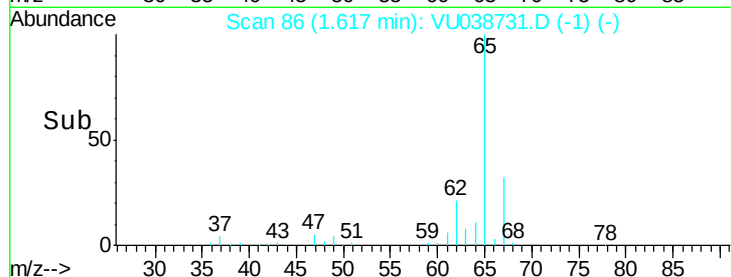
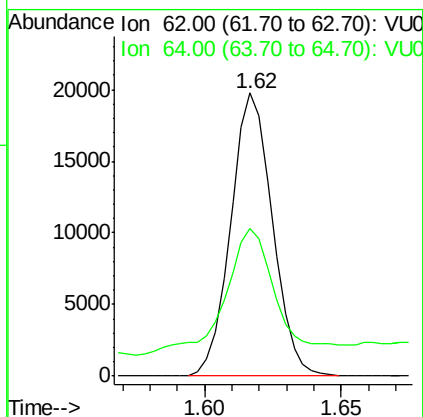
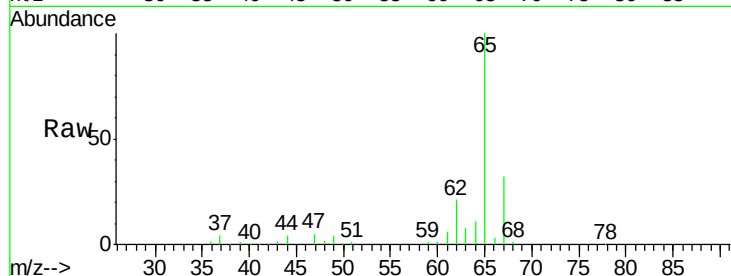
EW0K9MS

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

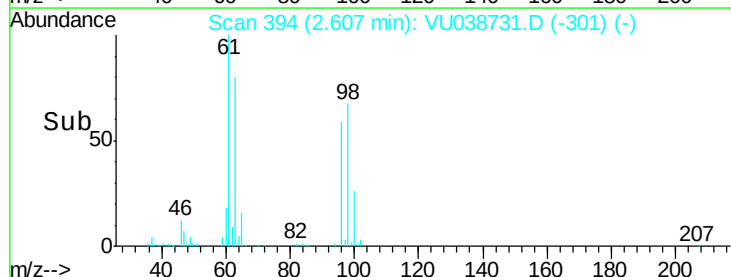
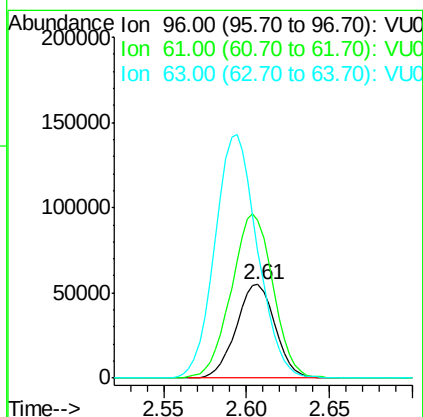
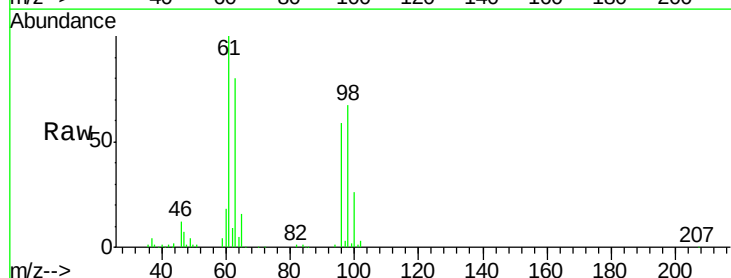
Tgt Ion: 96 Resp: 90206

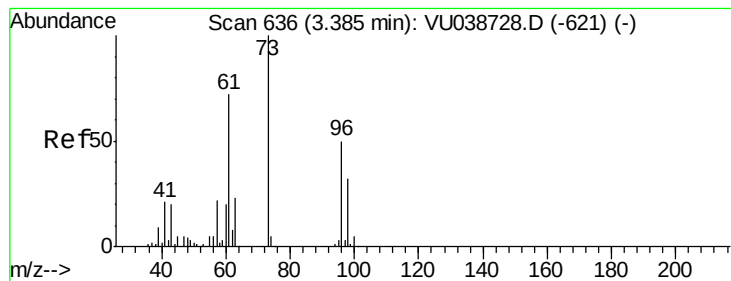
Ion Ratio Lower Upper

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

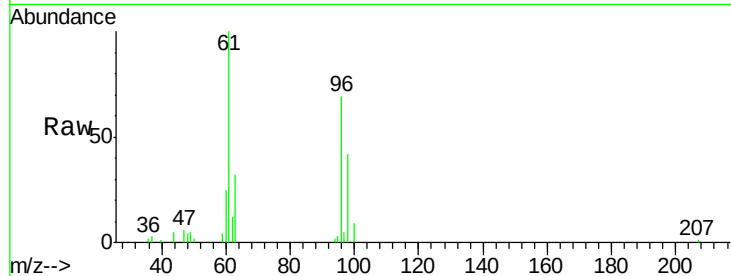
Tot Ion: 96 Resp: 13550

Ion Ratio Lower Upper

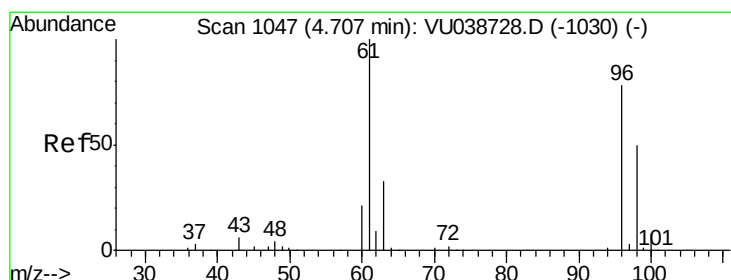
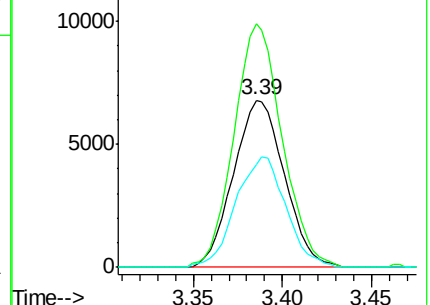
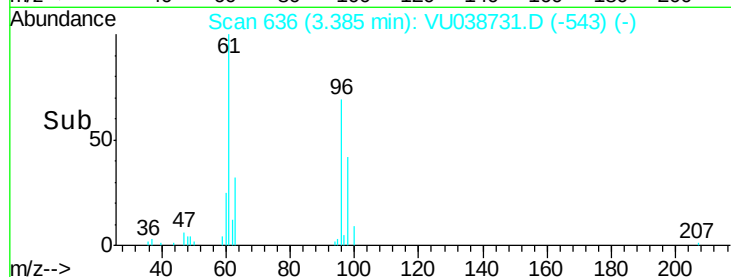
96 100

61 145.8 98.2 182.4

98 61.6 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU038731.D (-543) (-)



#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

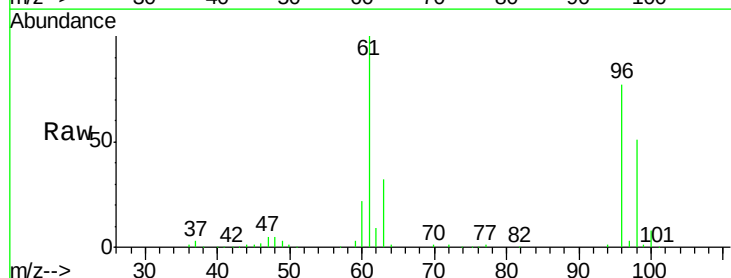
Tgt Ion: 96 Resp: 420398

Ion Ratio Lower Upper

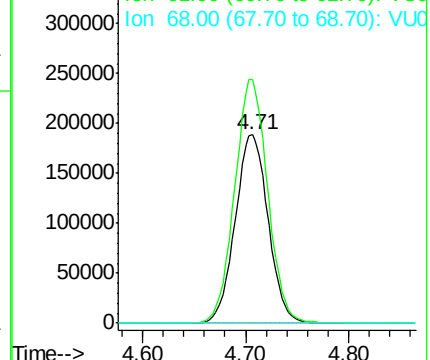
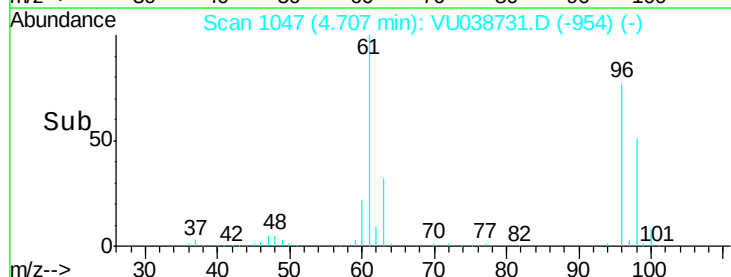
96 100

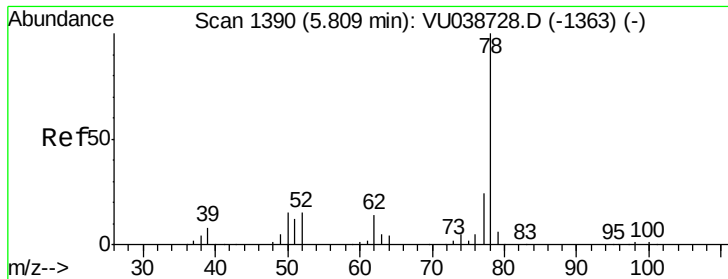
61 129.1 89.5 166.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038731.D (-954) (-)





#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

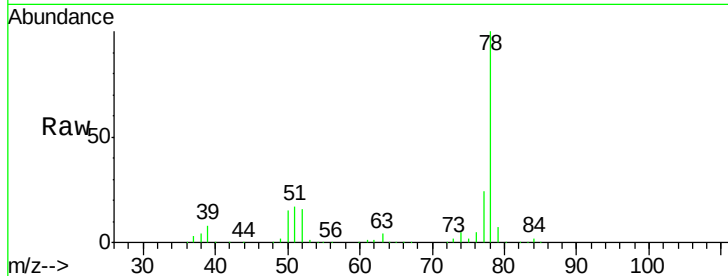
Instrument :

MSVOA_U

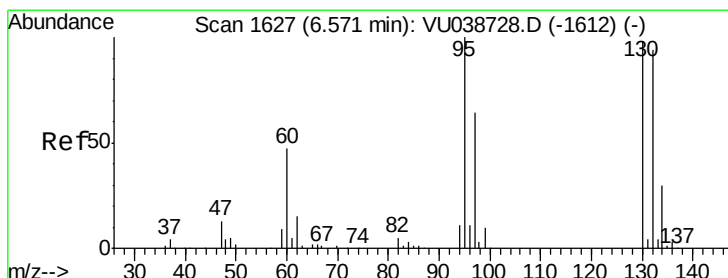
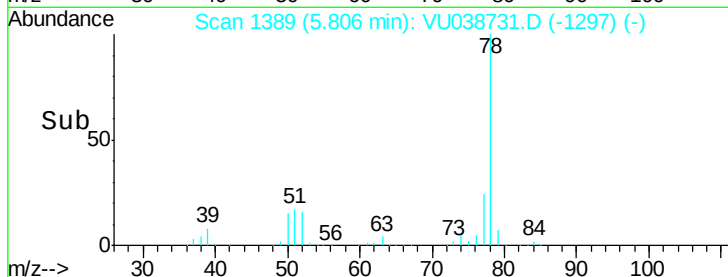
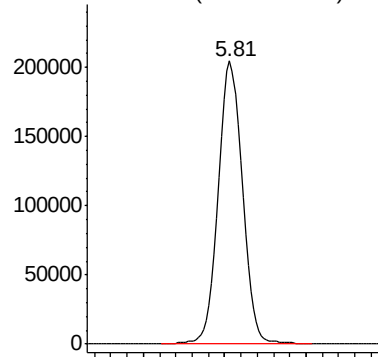
ClientSampled :

EW0K9MS

Tgt Ion: 78 Resp: 418337



Abundance Ion 78.00 (77.70 to 78.70): VU0



#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

Tgt 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

95 100

97 64.8 44.4 82.4

132 90.7 64.9 120.5

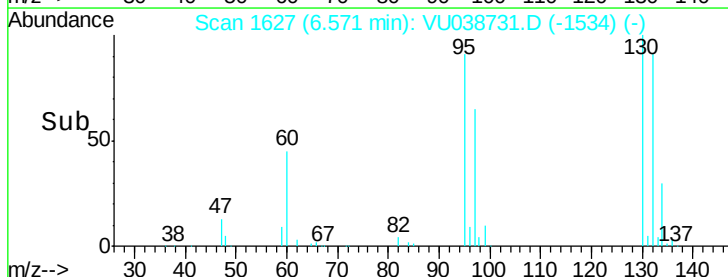
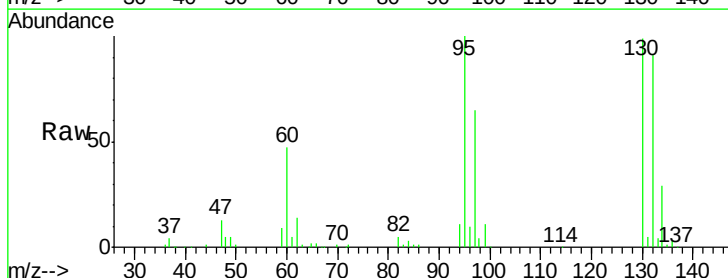
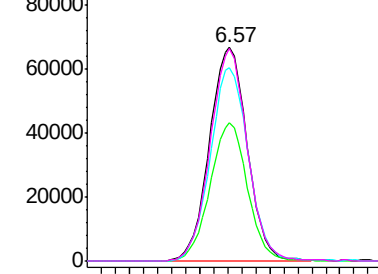
130 99.4 68.6 127.4

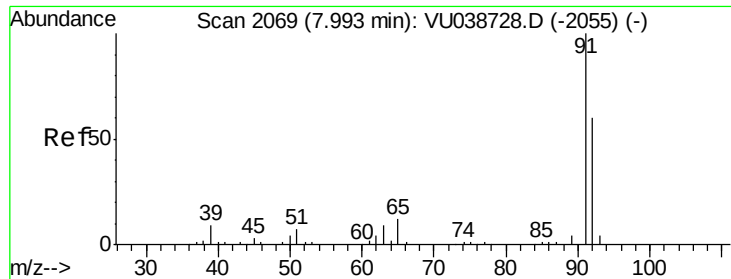
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#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 :

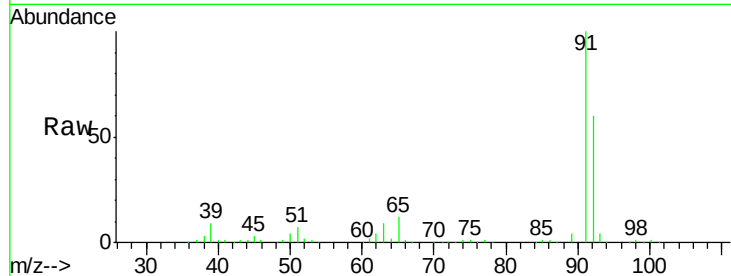
EW0K9MS

Tot Ion: 91 Resp: 428890

Ion Ratio Lower Upper

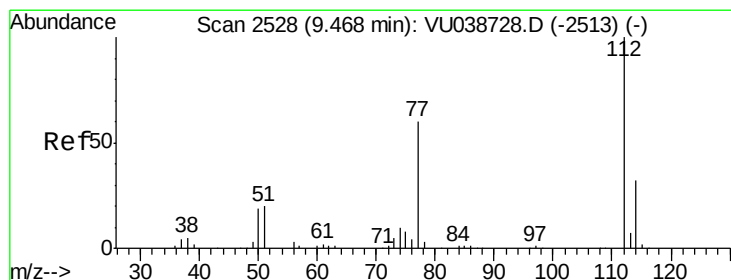
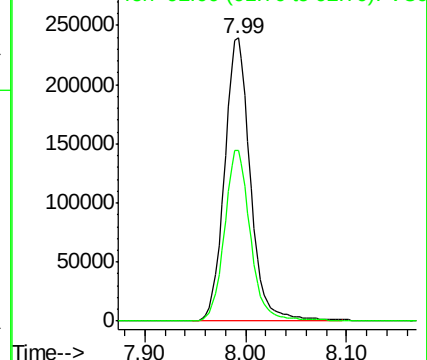
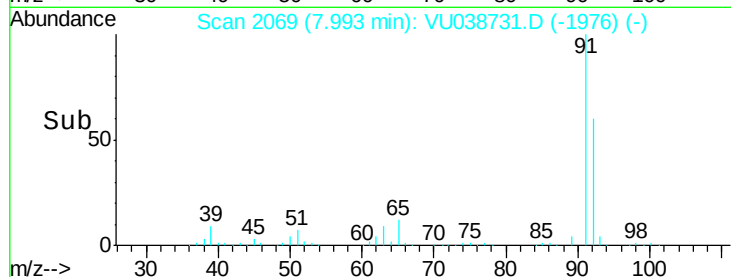
91 100

92 60.4 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038731.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU038731.D (-1976) (-)



#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

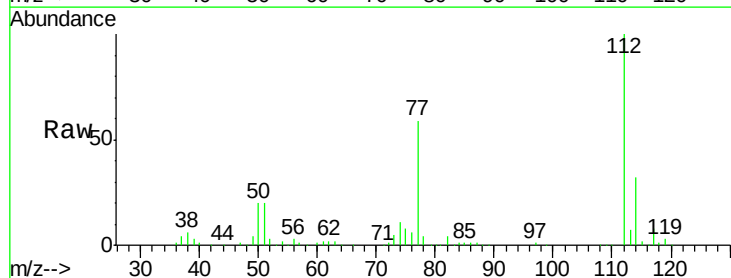
Tgt Ion: 112 Resp: 274891

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): VU038731.D (-2435) (-)

Ion 114.00 (113.70 to 114.70): VU038731.D (-2435) (-)

Ion 77.00 (76.70 to 77.70): VU038731.D (-2435) (-)

