

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\
 Data File : VU038355.D
 Acq On : 28 May 2020 18:50
 Operator : JC/MD
 Sample : L2793-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 29 04:34:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 29 04:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	592414	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	577695	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	270479	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	209239	56.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.52%
7) Chloroethane-d5	1.93	69	163048	56.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.50%
11) 1,1-Dichloroethene-d2	2.59	63	312749	41.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.28%
21) 2-Butanone-d5	4.67	46	401203	113.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.55%
24) Chloroform-d	5.10	84	390436	53.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.92%
26) 1,2-Dichloroethane-d4	5.74	65	265245	53.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.00%
32) Benzene-d6	5.76	84	814764	54.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.56%
36) 1,2-Dichloropropane-d6	6.72	67	250133	53.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.50%
41) Toluene-d8	7.92	98	716700	54.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.02%
43) trans-1,3-Dichloropropene-	8.20	79	122317	52.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.60%
47) 2-Hexanone-d5	8.65	63	300959	122.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.85%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	359576	52.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.44%
64) 1,2-Dichlorobenzene-d4	12.20	152	281988	56.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.50%

Target Compounds

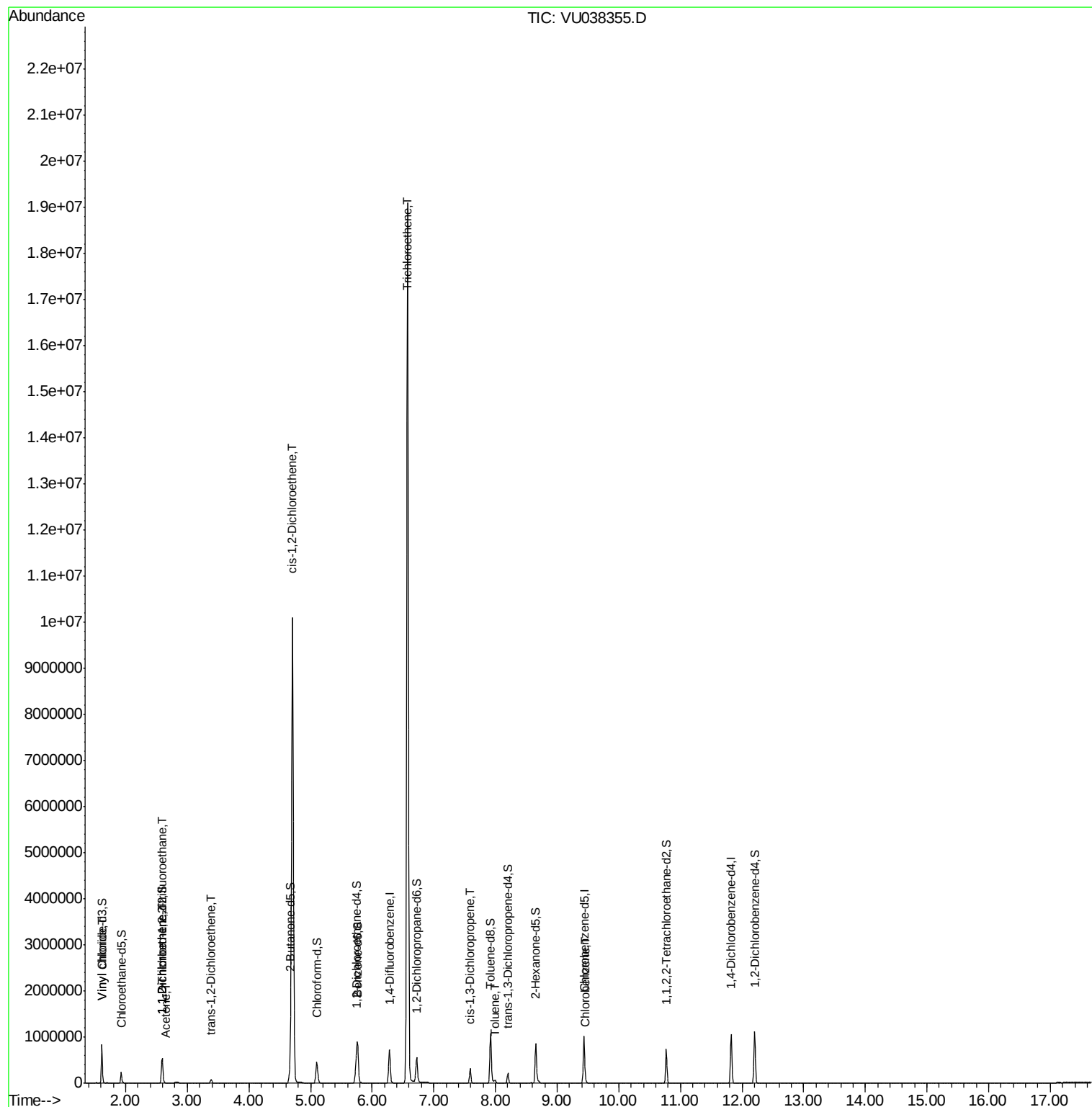
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	389999	85.900	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3009	0.827	ug/L #	20
12) 1,1-Dichloroethene	2.60	96	15741	4.383	ug/L #	1
13) Acetone	2.66	43	7259	2.472	ug/L	78
17) trans-1,2-Dichloroethene	3.39	96	32295	8.371	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	5152148	1219.034	ug/L	99
34) Trichloroethene	6.57	95	6543194	1576.197	ug/L	99
39) cis-1,3-Dichloropropene	7.59	75	7548	1.127	ug/L #	62
42) Toluene	7.99	91	39271	2.305	ug/L	99
51) Chlorobenzene	9.47	112	10704	0.978	ug/L	92

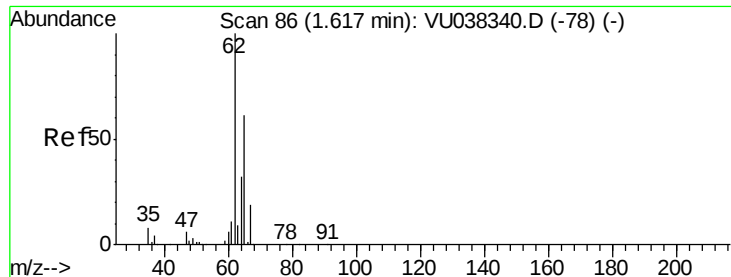
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri May 29 04:31:03 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 85.900 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038355.D

Acq: 28 May 2020 18:50

Instrument :

MSVOA_U

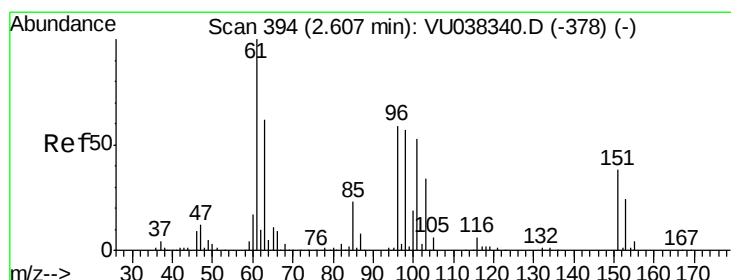
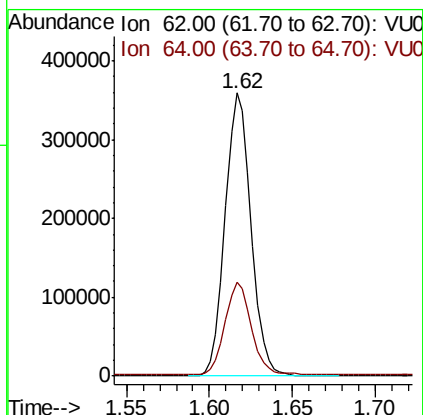
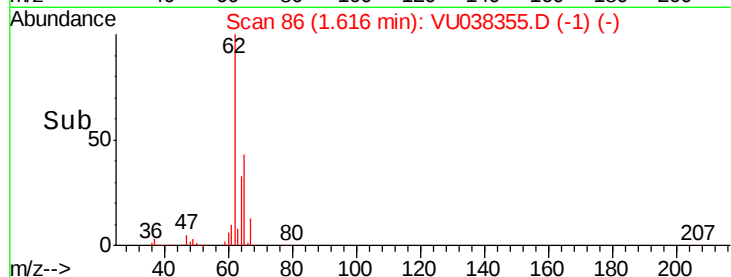
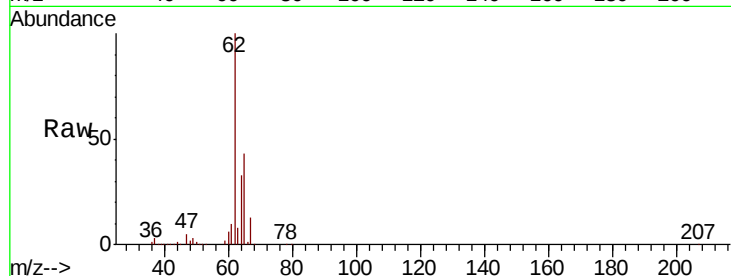
ClientSampleId :

Tot Ion: 62 Resp: 389999

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#10

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

Concen: 0.827 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038355.D

Acq: 28 May 2020 18:50

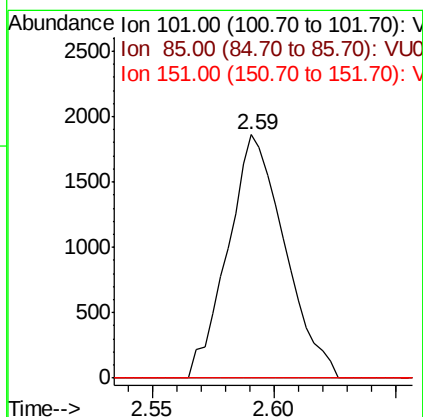
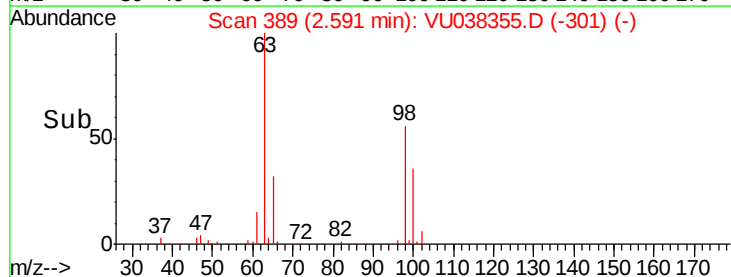
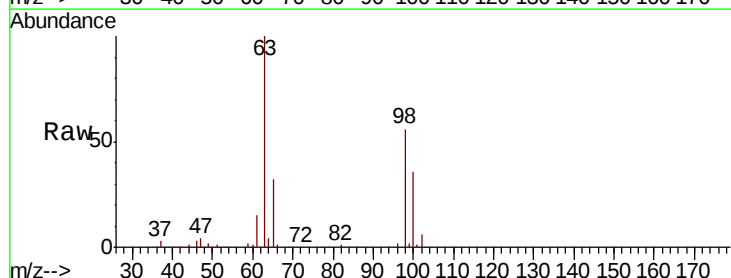
Tgt Ion: 101 Resp: 3009

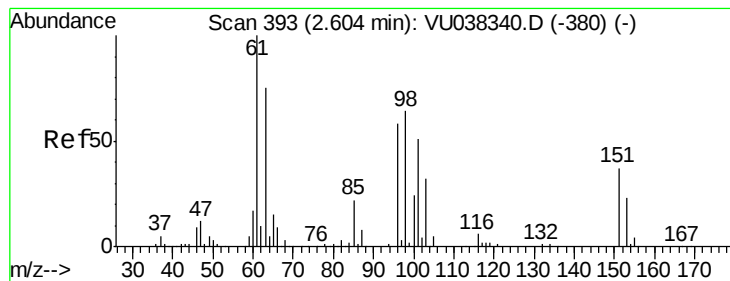
Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

151 0.0 58.4 87.6#





#12

1,1-Dichloroethene

Concen: 4.383 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038355.D

Acq: 28 May 2020 18:50

Instrument :

MSVOA_U

ClientSampleId :

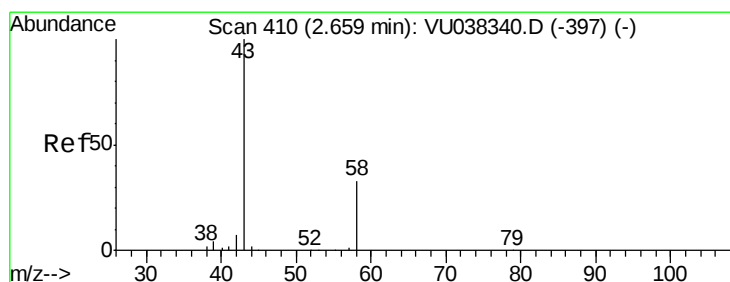
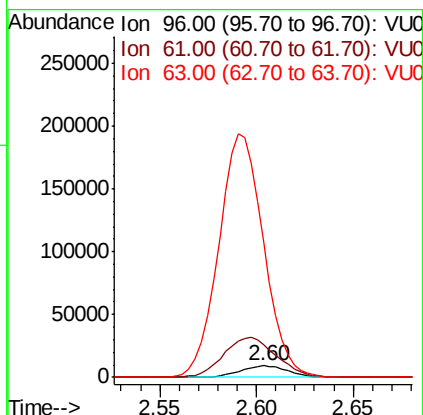
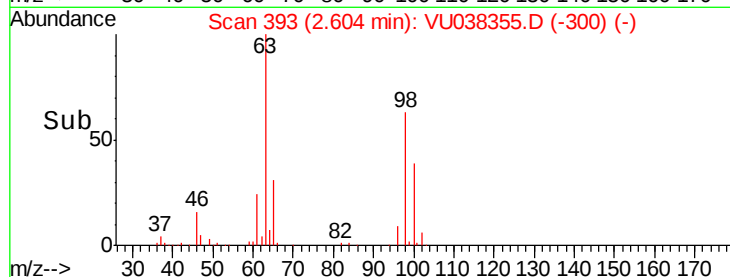
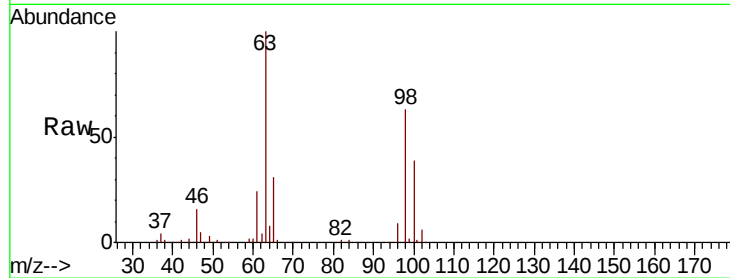
Tot Ion: 96 Resp: 15741

Ion Ratio Lower Upper

96 100

61 283.9 123.5 229.3#

63 1162.0 76.6 142.2#



#13

Acetone

Concen: 2.472 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU038355.D

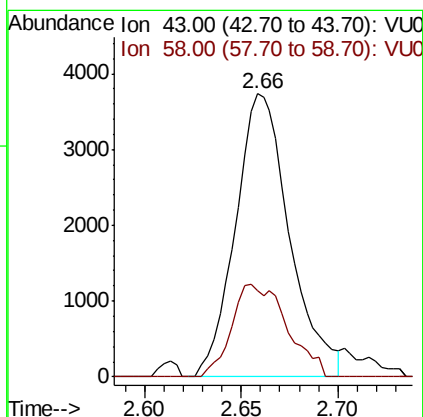
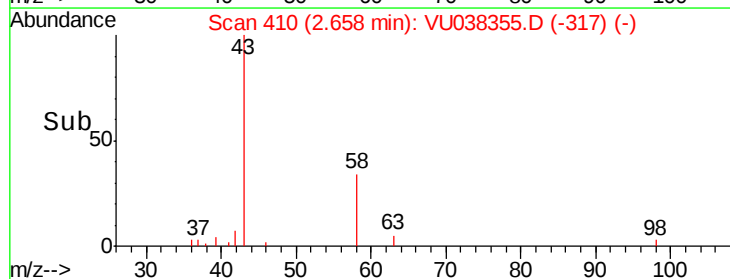
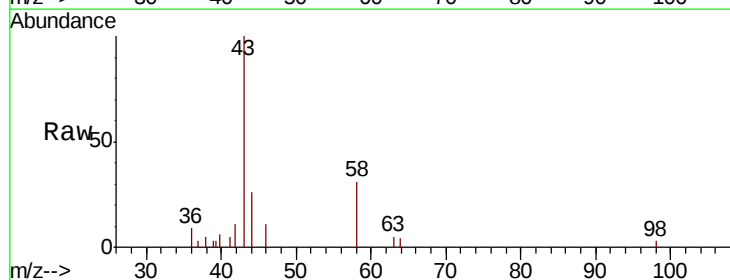
Acq: 28 May 2020 18:50

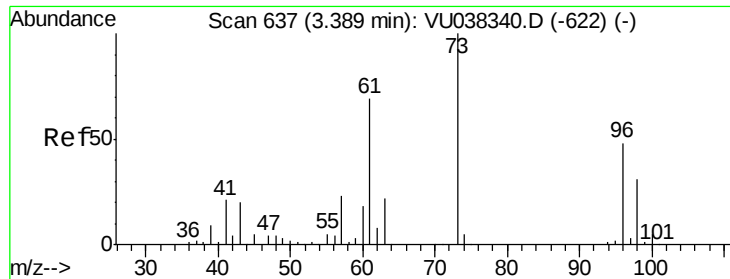
Tgt Ion: 43 Resp: 7259

Ion Ratio Lower Upper

43 100

58 19.3 0.0 63.4





#17

trans-1,2-Dichloroethene

Concen: 8.371 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038355.D

Acq: 28 May 2020 18:50

Instrument :
MSVOA_U
ClientSampleId :

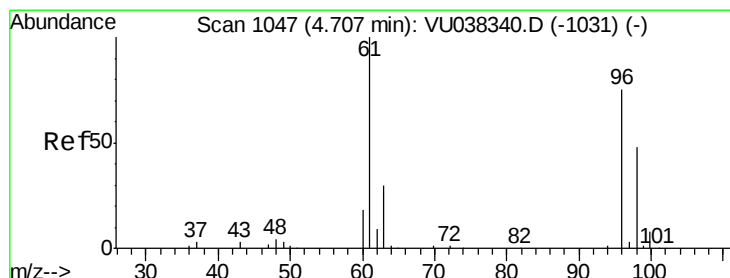
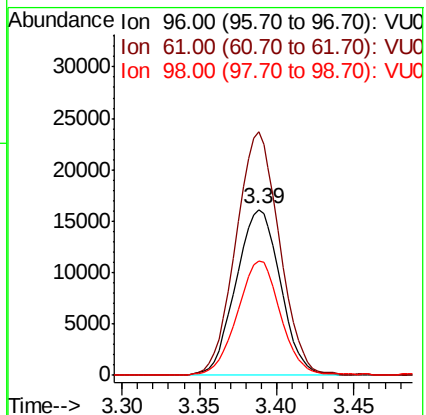
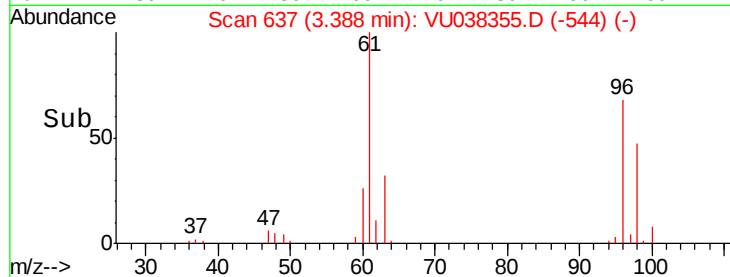
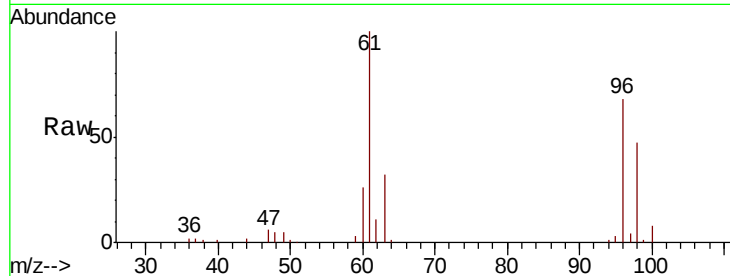
Tot Ion: 96 Resp: 32295

Ion Ratio Lower Upper

96 100

61 147.1 100.4 186.4

98 69.3 46.1 85.5



#20

cis-1,2-Dichloroethene

Concen: 1219.034 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038355.D

Acq: 28 May 2020 18:50

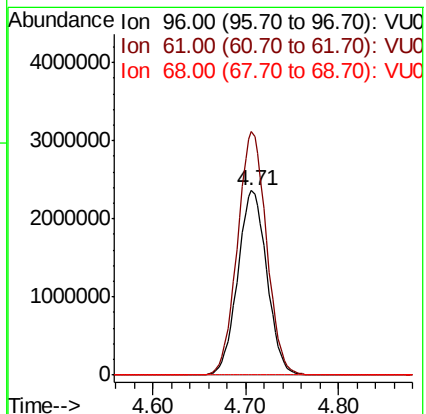
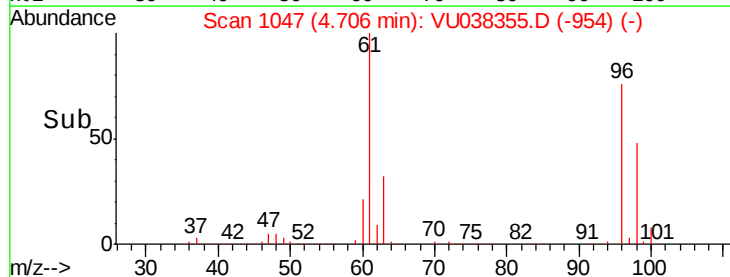
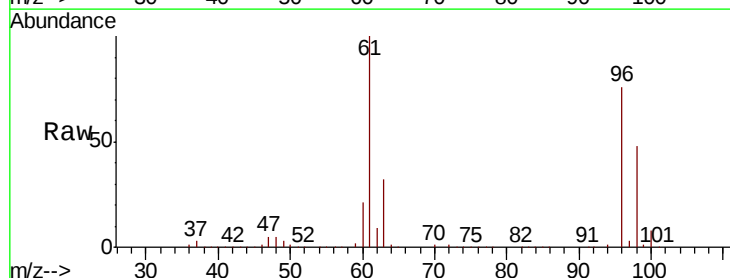
Tgt Ion: 96 Resp: 5152148

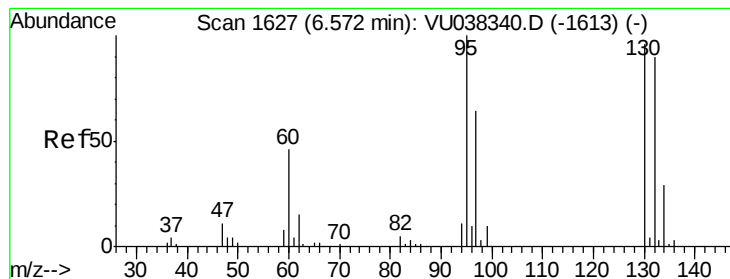
Ion Ratio Lower Upper

96 100

61 132.2 93.4 173.4

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1576.197 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038355.D

Acq: 28 May 2020 18:50

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 6543194

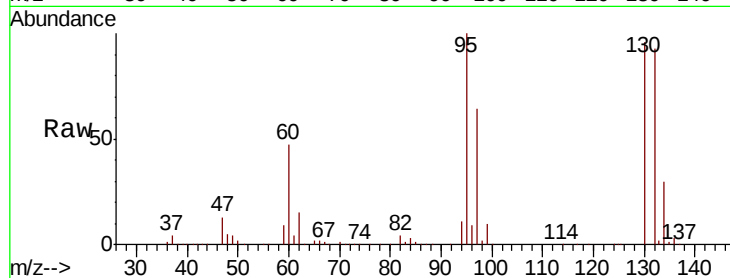
Ion Ratio Lower Upper

95 100

97 64.2 44.3 82.3

132 92.5 64.7 120.1

130 96.3 68.5 127.1

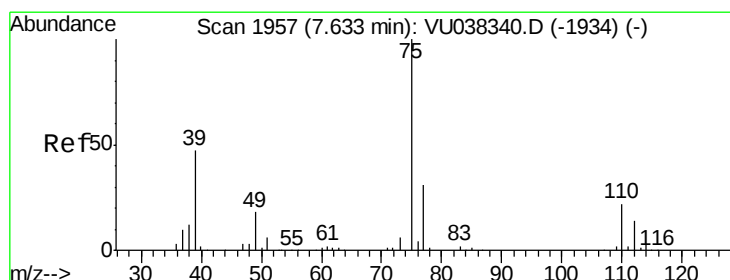
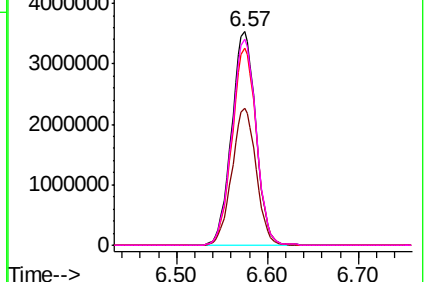
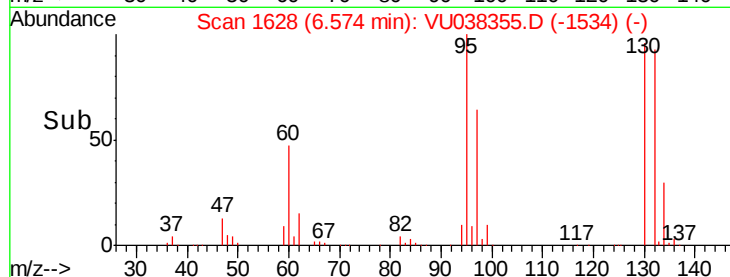


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 1.127 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038355.D

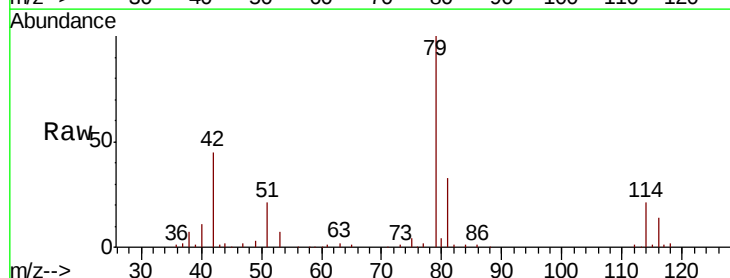
Acq: 28 May 2020 18:50

Tgt Ion: 75 Resp: 7548

Ion Ratio Lower Upper

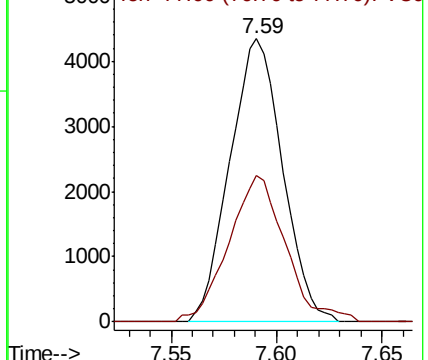
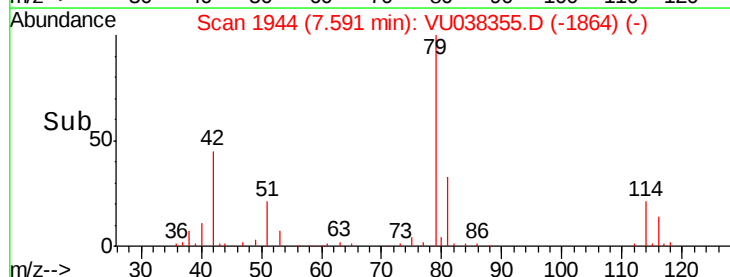
75 100

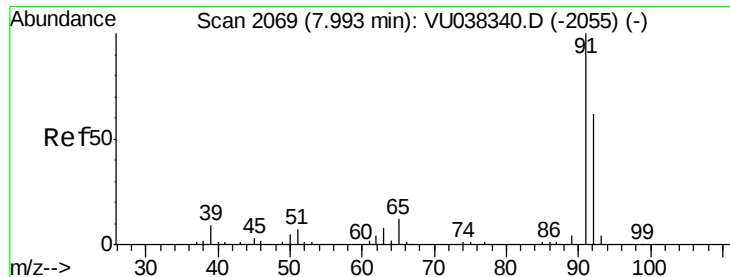
77 51.6 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 2.305 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038355.D

Acq: 28 May 2020 18:50

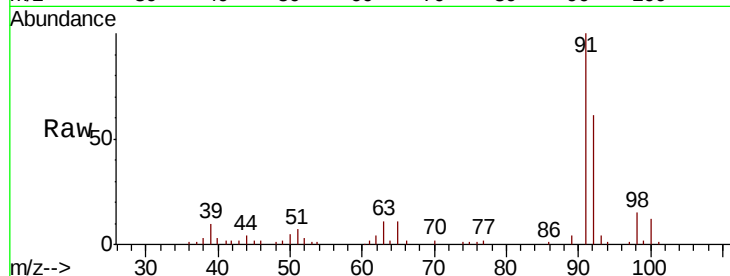
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 39271

Ion Ratio Lower Upper

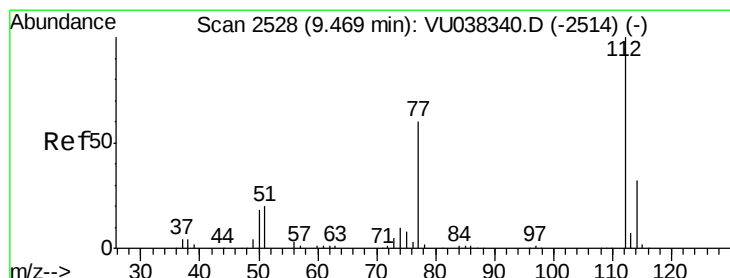
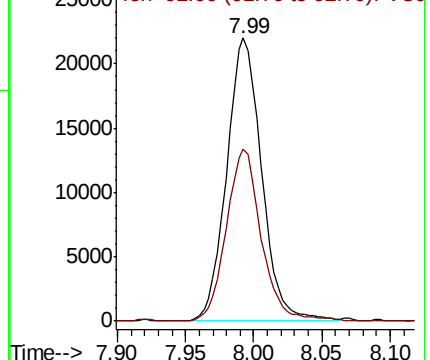
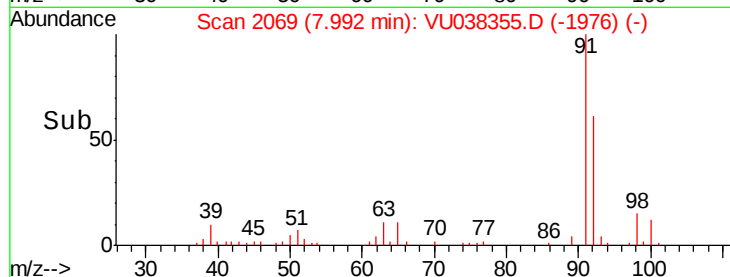
91 100

92 60.8 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU038340.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU038355.D (-1976) (-)



#51

Chlorobenzene

Concen: 0.978 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038355.D

Acq: 28 May 2020 18:50

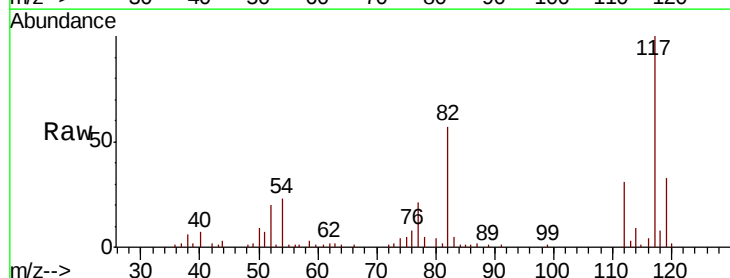
Tgt Ion: 112 Resp: 10704

Ion Ratio Lower Upper

112 100

114 30.2 22.6 42.0

77 68.3 48.8 73.2



Abundance Ion 112.00 (111.70 to 112.70): VU038340.D (-2514) (-)

Ion 114.00 (113.70 to 114.70): VU038355.D (-2435) (-)

Ion 77.00 (76.70 to 77.70): VU038355.D (-2435) (-)

