

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100720\
 Data File : VU040544.D
 Acq On : 07 Oct 2020 14:51
 Operator : SY/MD
 Sample : VU1007WBL06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK208

Quant Time: Oct 08 01:20:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 01:13:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	273804	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	272586	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	126878	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	102745	43.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.38%
7) Chloroethane-d5	1.92	69	84493	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.34%
11) 1,1-Dichloroethene-d2	2.58	63	154324	34.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.78%
21) 2-Butanone-d5	4.64	46	206845	110.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.84%
24) Chloroform-d	5.08	84	187169	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.30%
26) 1,2-Dichloroethane-d4	5.71	65	132234	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
32) Benzene-d6	5.74	84	362530	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
36) 1,2-Dichloropropane-d6	6.70	67	121404	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.38%
41) Toluene-d8	7.90	98	309347	43.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.98%
43) trans-1,3-Dichloropropene-	8.18	79	58211	44.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.46%
47) 2-Hexanone-d5	8.64	63	130453	107.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.62%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	176895	47.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.20%
66) 1,2-Dichlorobenzene-d4	12.19	152	127812	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

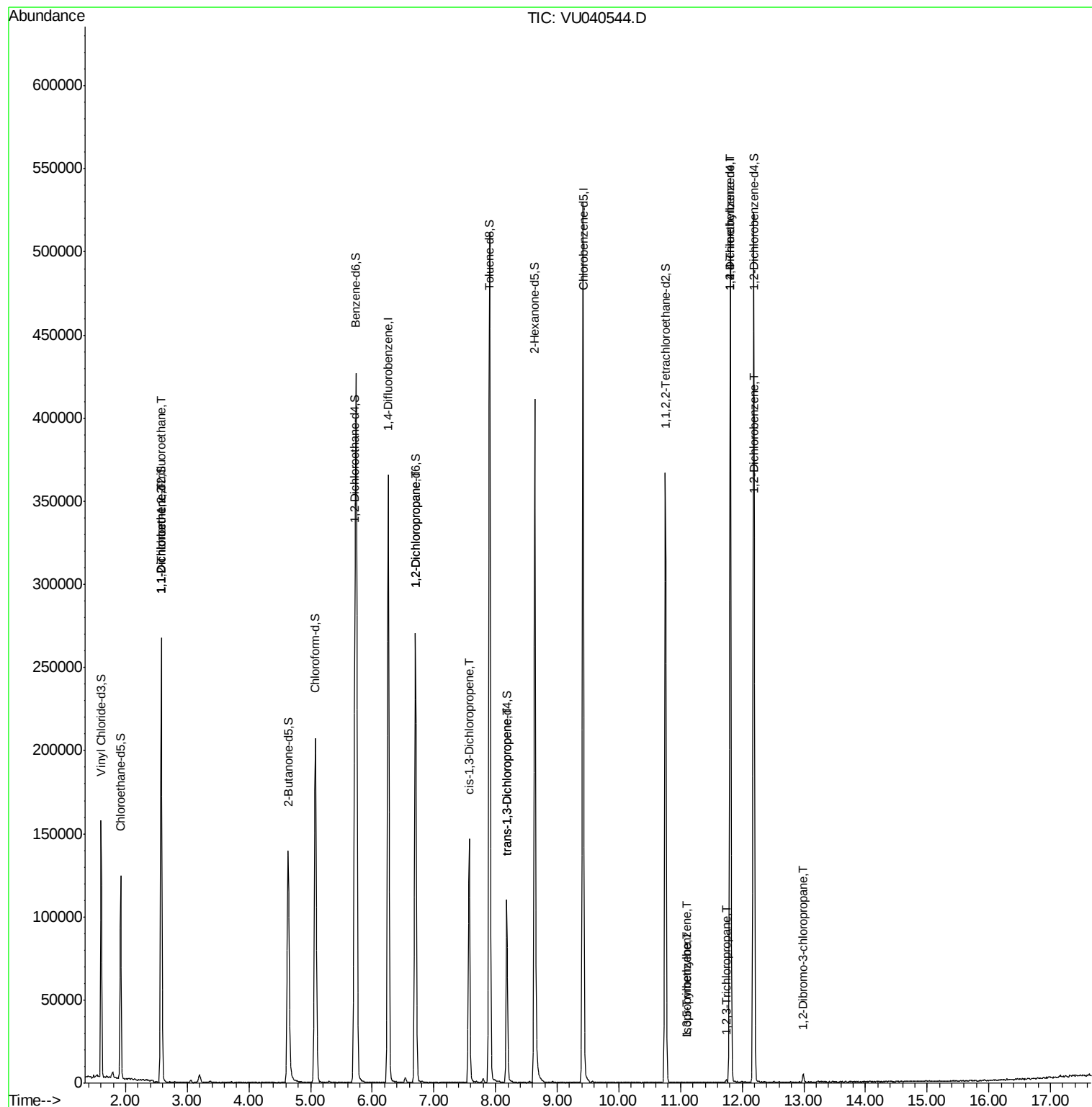
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1357	0.647	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	1138	0.587	ug/L #	1
37) 1,2-Dichloropropane	6.70	63	13526	5.591	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	3723	1.050	ug/L #	62
44) trans-1,3-Dichloropropene	8.18	75	2736	0.766	ug/L #	78
60) 1,2,3-Trichloropropane	11.74	75	81	0.028	ug/L #	39
61) Isopropylbenzene	11.09	105	44	0.005	ug/L #	54
62) 1,3,5-Trimethylbenzene	11.09	105	44	0.006	ug/L #	29
63) 1,2,4-Trimethylbenzene	11.81	105	46	0.006	ug/L #	1
67) 1,2-Dichlorobenzene	12.21	146	2794	0.671	ug/L #	88
68) 1,2-Dibromo-3-chloropropan	12.99	75	1522	1.880	ug/L	97

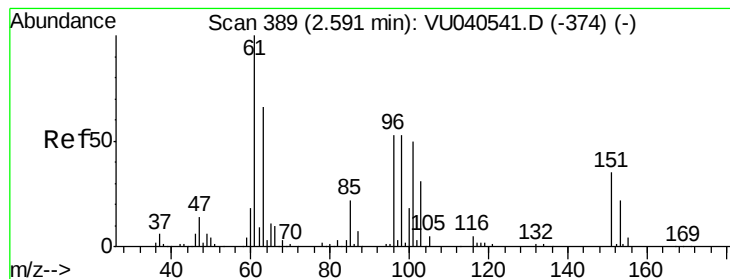
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VBLK208

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 08 01:13:08 2020
Response via : Initial Calibration





#10

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

Concen: 0.647 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040544.D

Acq: 07 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampled :

VBLK208

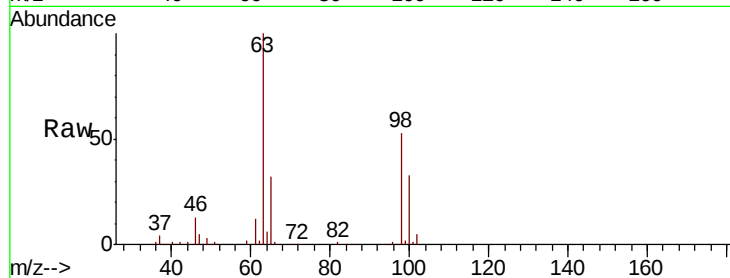
Tot Ion:101 Resp: 1357

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

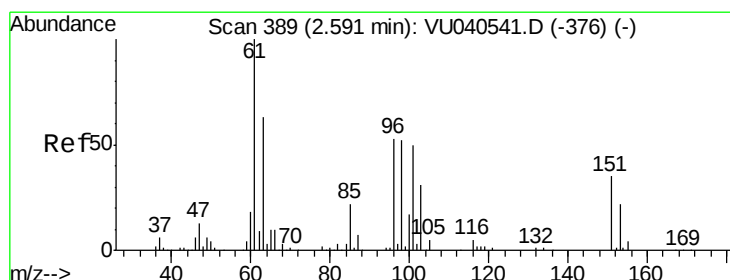
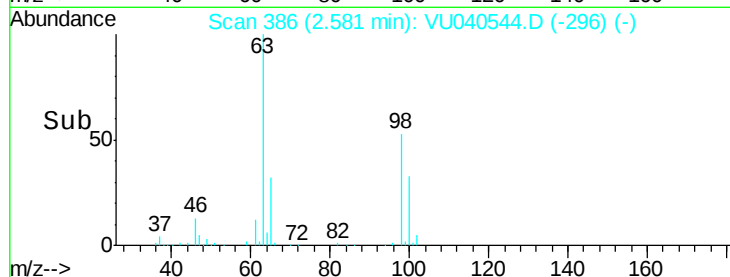
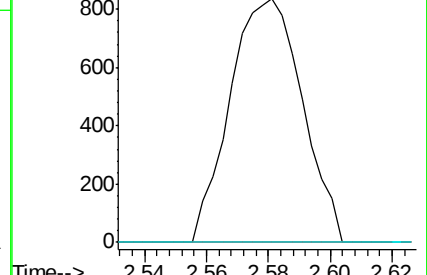
151 0.0 54.8 82.2#



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: 0.587 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040544.D

Acq: 07 Oct 2020 14:51

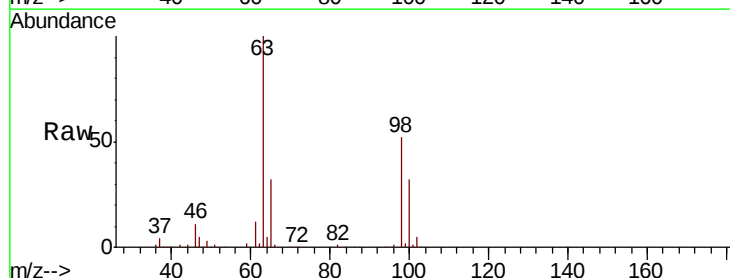
Tgt Ion: 96 Resp: 1138

Ion Ratio Lower Upper

96 100

61 1448.2 135.0 250.8#

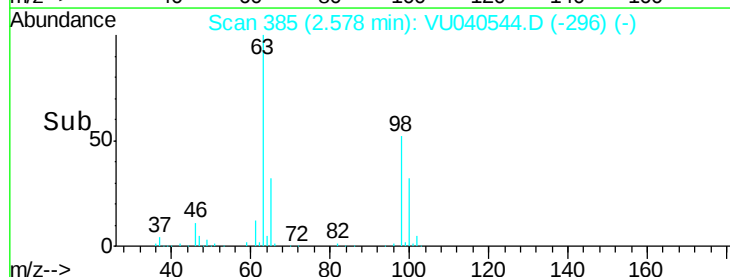
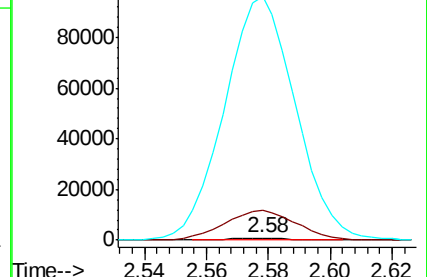
63 11974.1 101.4 188.2#

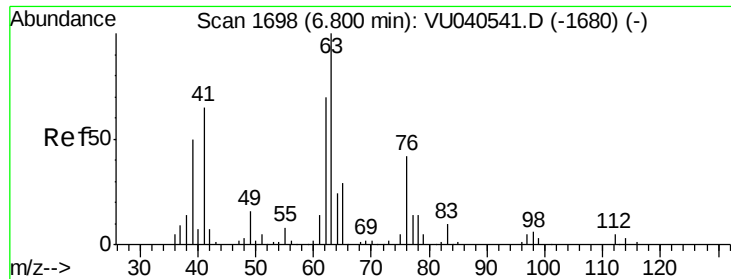


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

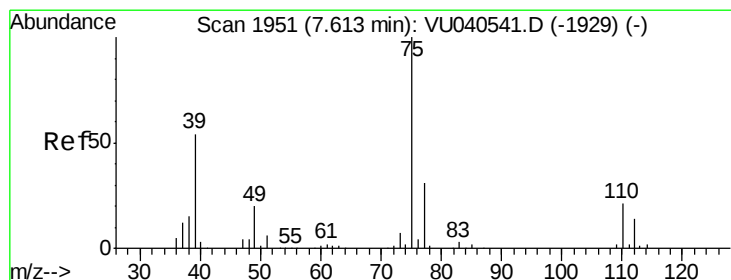
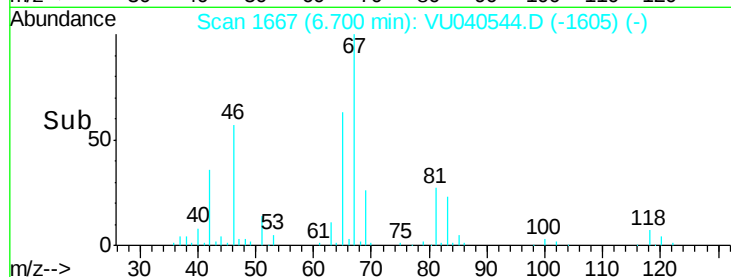
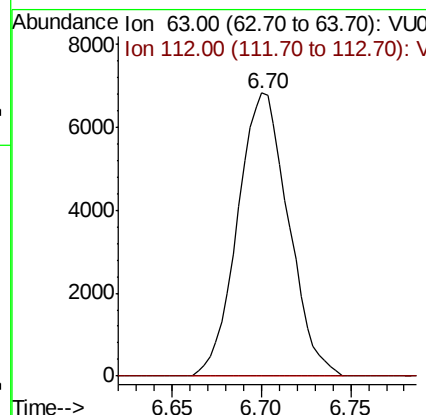
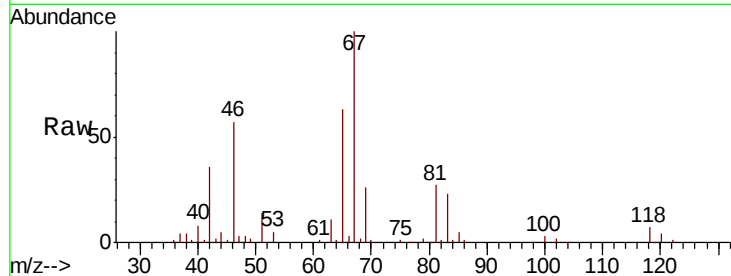




#37
 1,2-Dichloropropane
 Concen: 5.591 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040544.D
 Acq: 07 Oct 2020 14:51

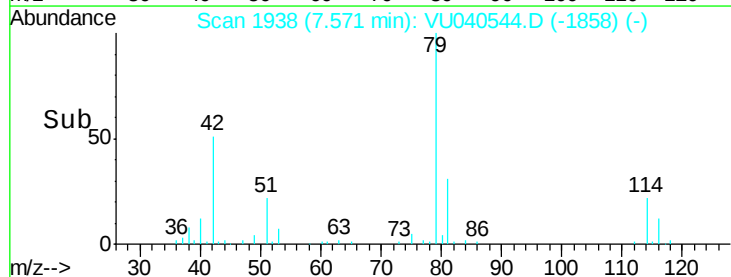
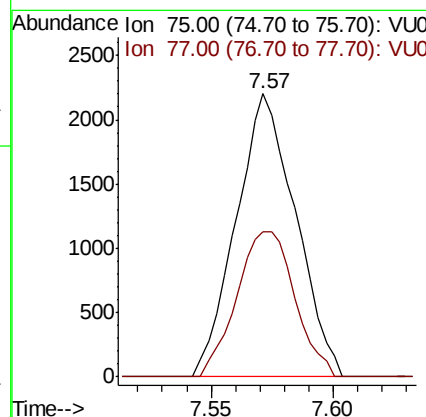
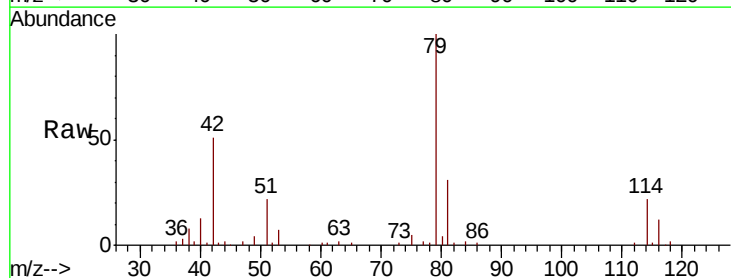
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK208

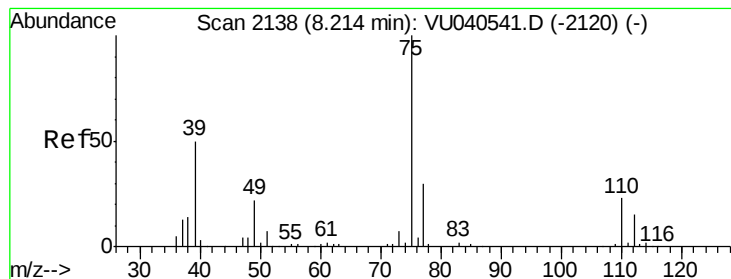
Tot Ion: 63 Resp: 13526
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 1.050 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040544.D
 Acq: 07 Oct 2020 14:51

Tgt Ion: 75 Resp: 3723
 Ion Ratio Lower Upper
 75 100
 77 51.3 21.4 39.8#





#44

trans-1,3-Dichloropropene

Concen: 0.766 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040544.D

Acq: 07 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

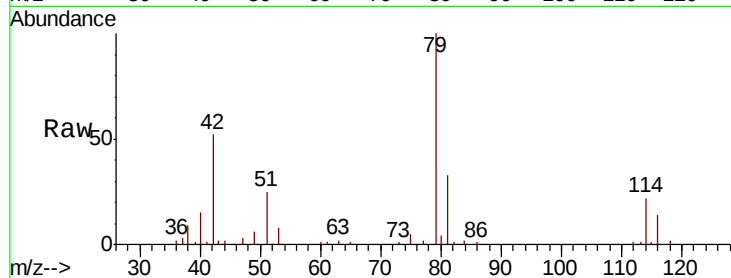
VBLK208

Tot Ion: 75 Resp: 2736

Ion Ratio Lower Upper

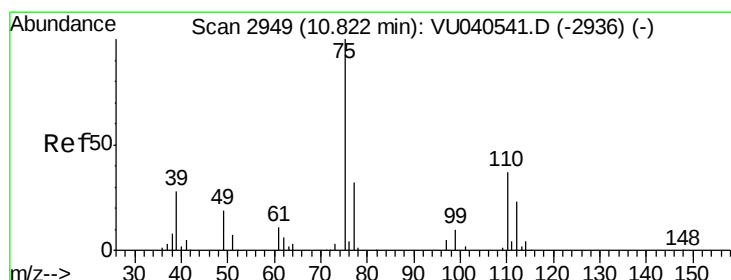
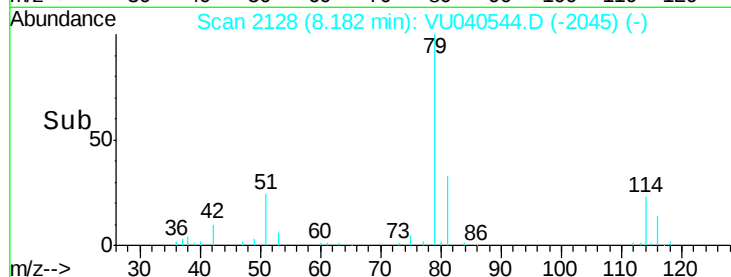
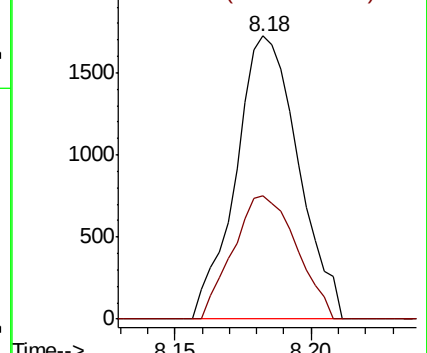
75 100

77 43.6 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU040541.D (-2120) (-)

Ion 77.00 (76.70 to 77.70): VU040541.D (-2120) (-)



#60

1,2,3-Trichloropropane

Concen: 0.028 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.92 min

Lab File: VU040544.D

Acq: 07 Oct 2020 14:51

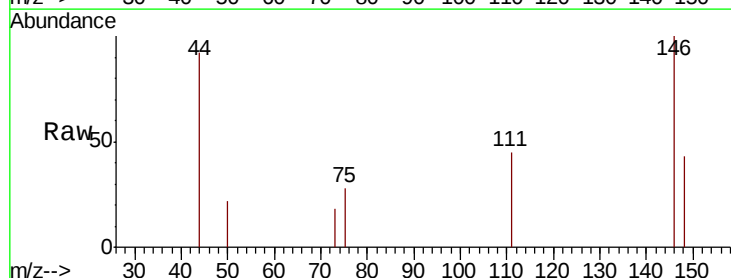
Tgt Ion: 75 Resp: 81

Ion Ratio Lower Upper

75 100

77 0.0 26.4 39.6#

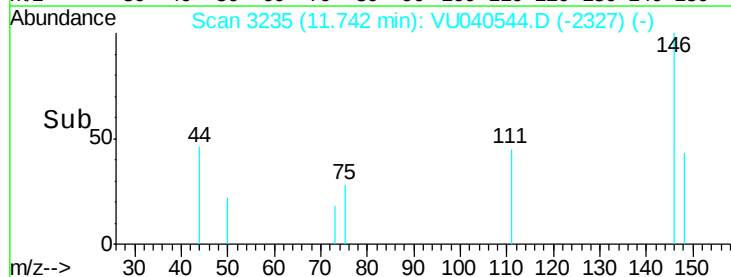
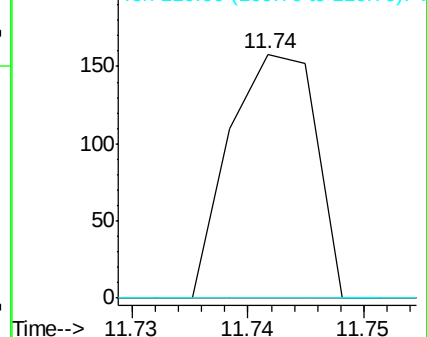
110 0.0 30.1 45.1#

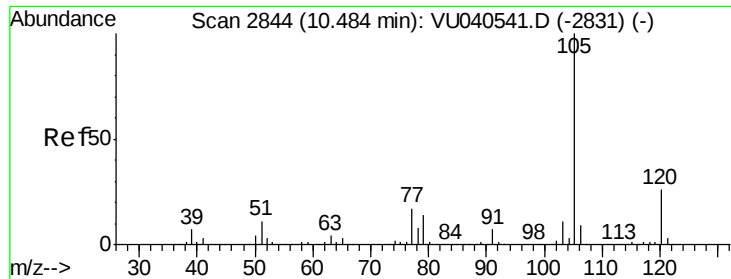


Abundance Ion 75.00 (74.70 to 75.70): VU040541.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040541.D (-2936) (-)

Ion 110.00 (109.70 to 110.70): VU040541.D (-2936) (-)





#61

Isopropylbenzene

Concen: 0.005 ug/L

RT: 11.09 min Scan# 3033

Delta R.T. 0.61 min

Lab File: VU040544.D

Acq: 07 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

VBLK208

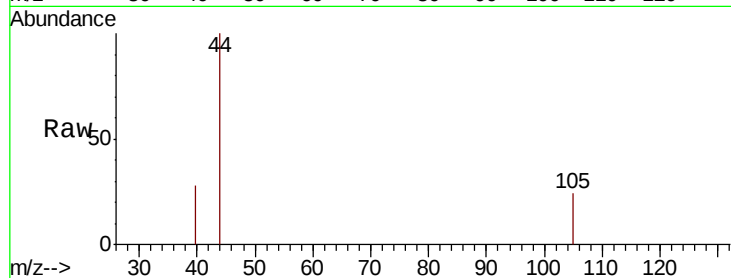
Tot Ion:105 Resp: 44

Ion Ratio Lower Upper

105 100

120 0.0 20.7 31.1#

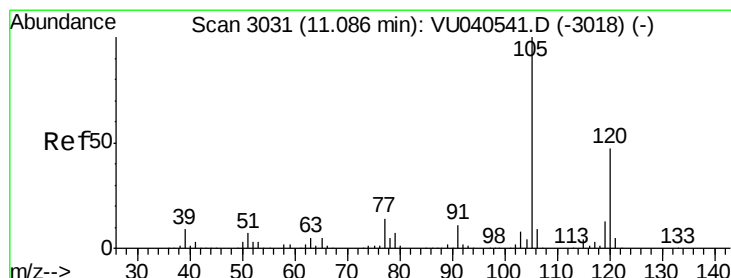
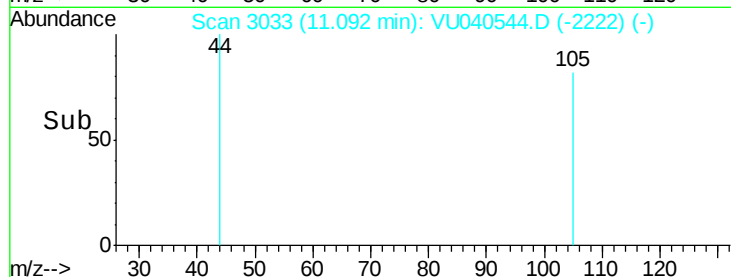
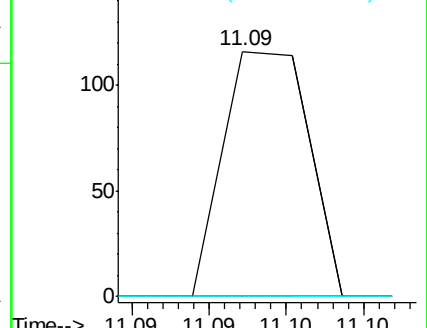
77 0.0 13.8 20.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3,5-Trimethylbenzene

Concen: 0.006 ug/L

RT: 11.09 min Scan# 3033

Delta R.T. 0.01 min

Lab File: VU040544.D

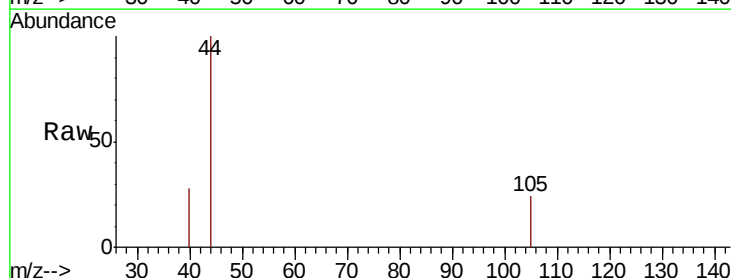
Acq: 07 Oct 2020 14:51

Tgt Ion:105 Resp: 44

Ion Ratio Lower Upper

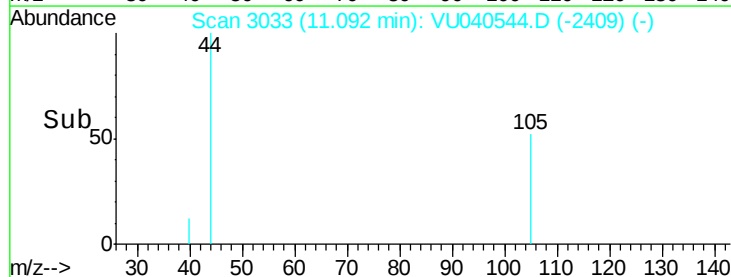
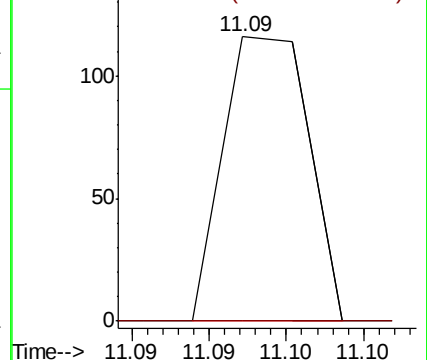
105 100

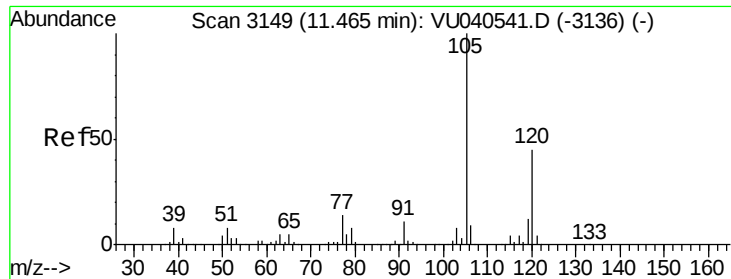
120 0.0 38.6 58.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#63

1,2,4-Trimethylbenzene

Concen: 0.006 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.34 min

Lab File: VU040544.D

Acq: 07 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

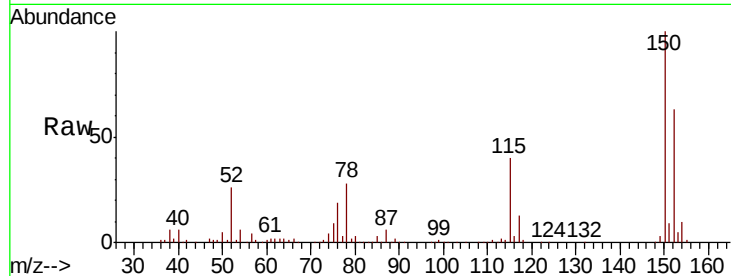
VBLK208

Tot Ion:105 Resp: 46

Ion Ratio Lower Upper

105 100

120 163.0 35.7 53.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

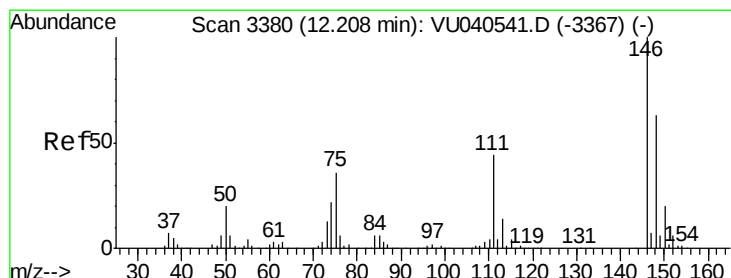
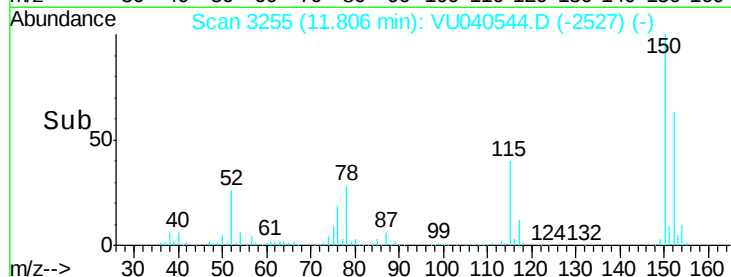
11.81

100

50

0

Time--> 11.80 11.80 11.81 11.81



#67

1,2-Dichlorobenzene

Concen: 0.671 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040544.D

Acq: 07 Oct 2020 14:51

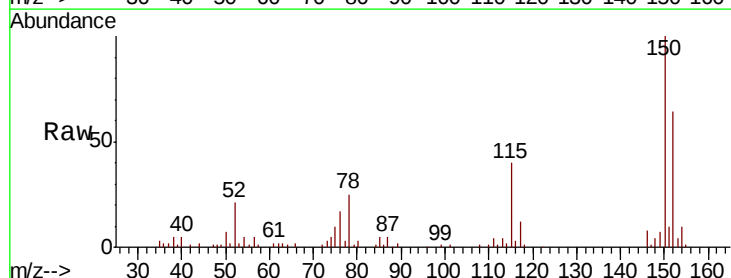
Tgt Ion:146 Resp: 2794

Ion Ratio Lower Upper

146 100

111 57.0 35.7 53.5#

148 57.5 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

2000

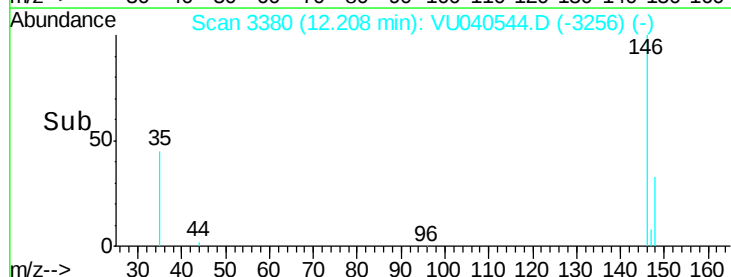
1500

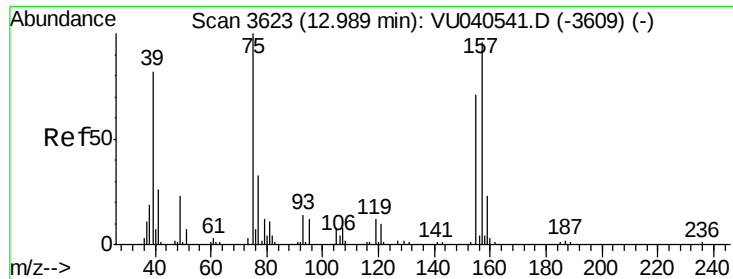
1000

500

0

Time--> 12.20 12.20 12.21 12.21 12.25





#68

1,2-Dibromo-3-chloropropane

Concen: 1.880 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU040544.D

Acq: 07 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

VBLK208

Tot Ion: 75 Resp: 1522

Ion Ratio Lower Upper

75 100

155 70.1 61.0 91.6

157 92.1 73.5 110.3

