

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041163.D
 Acq On : 10 Nov 2020 00:39
 Operator : SY/MD
 Sample : L4673-15MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3

Quant Time: Nov 10 04:27:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56913	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57540	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25853	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14560	3.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.80%
7) Chloroethane-d5	1.92	69	13766	3.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.00%
11) 1,1-Dichloroethene-d2	2.58	63	37412	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.65	46	86804	55.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.26%
24) Chloroform-d	5.08	84	40247	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.72	65	26270	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.74	84	68989	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.70	67	24997	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.91	98	57048	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	8.18	79	9316	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.64	63	65822	56.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.58%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23287	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	25539	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2581	0.483	ug/L	95
12) 1,1-Dichloroethene	2.59	96	21446	5.335	ug/L	81
13) Acetone	2.67	43	2126	1.975	ug/L	80
18) trans-1,2-Dichloroethene	3.38	96	1120	0.274	ug/L	81
22) cis-1,2-Dichloroethene	4.68	96	27718	6.577	ug/L	96
25) Chloroform	5.10	83	497	0.061	ug/L	90
27) 1,2-Dichloroethane	5.79	62	1087	0.178	ug/L #	74
33) Benzene	5.79	78	91215	5.305	ug/L	100
34) Trichloroethene	6.56	95	31707	7.247	ug/L	98
35) Methylcyclohexane	6.70	83	5896	0.903	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2975	0.639	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	652	0.102	ug/L #	81
42) Toluene	7.98	91	91527	5.250	ug/L	97
44) trans-1,3-Dichloropropene	8.19	75	413	0.069	ug/L #	77
45) 1,1,2-Trichloroethane	8.49	97	398	0.115	ug/L #	1
48) 2-Hexanone	8.64	43	9305	3.332	ug/L #	73
51) Chlorobenzene	9.45	112	61937	5.603	ug/L	97

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QLast Update : Tue Nov 10 04:18:40 2020
Response via : Initial Calibration

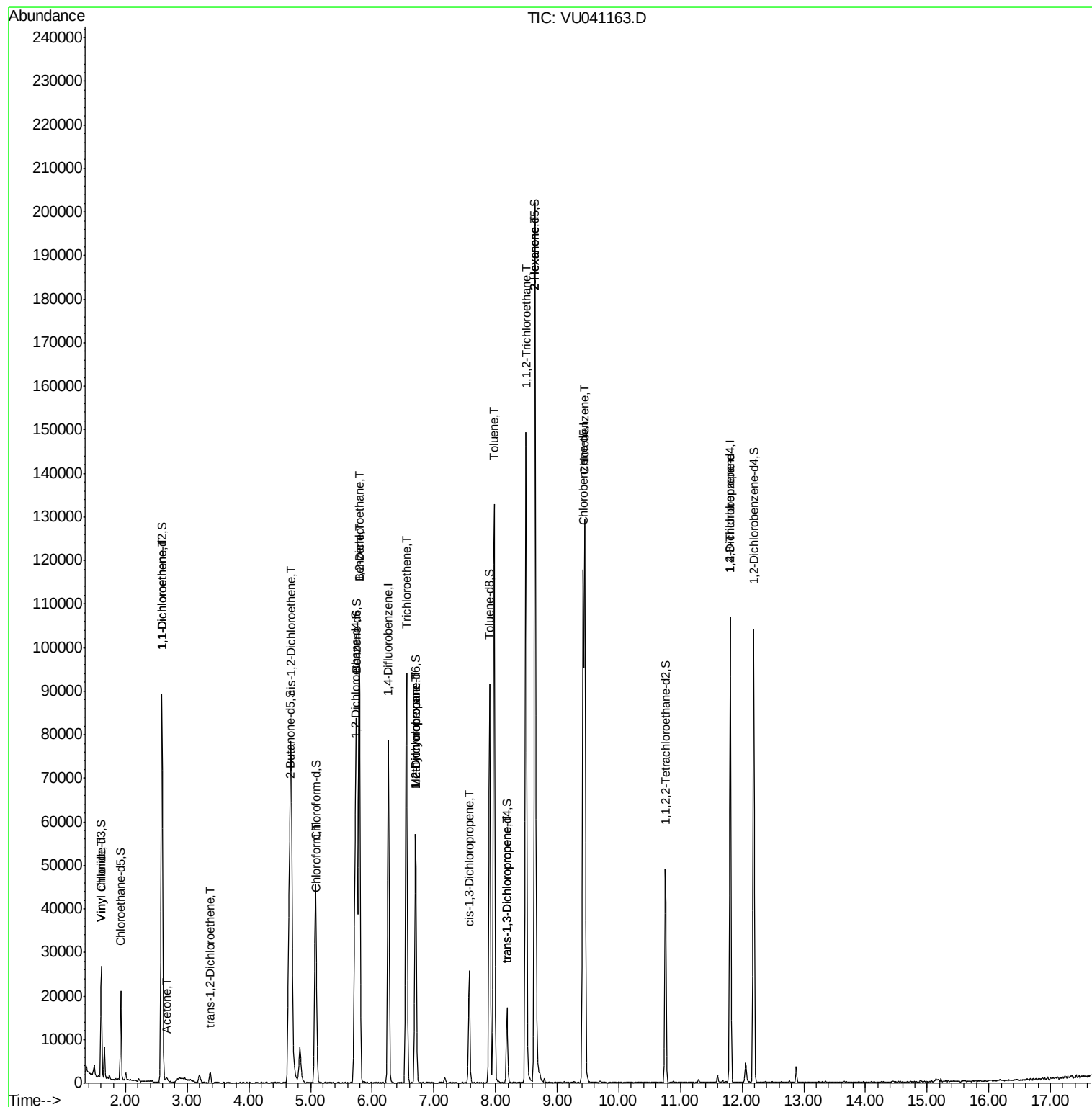
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
59) 1,2,3-Trichloropropane	11.81	75	3344	0.964	ug/L #	77
-----	-----	-----	-----	-----	-----	-----

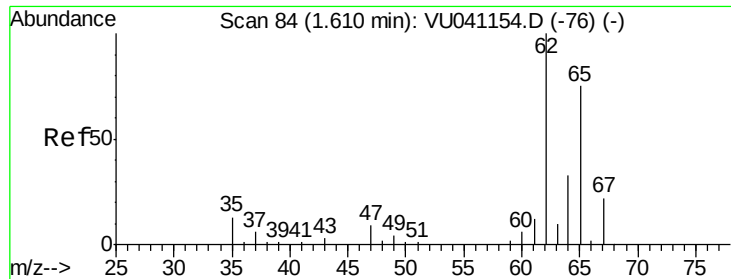
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 10 04:18:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.483 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041163.D

Acq: 10 Nov 2020 00:39

Instrument :

MSVOA_U

ClientSampled :

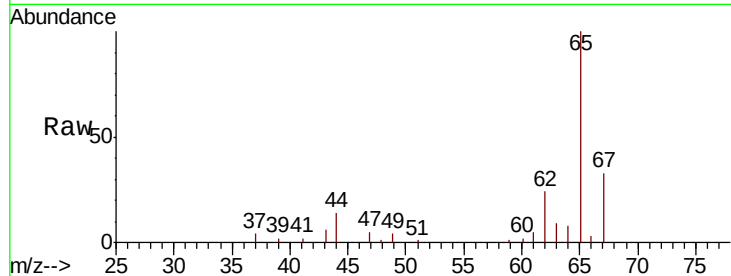
GB0T3

Tot Ion: 62 Resp: 2581

Ion Ratio Lower Upper

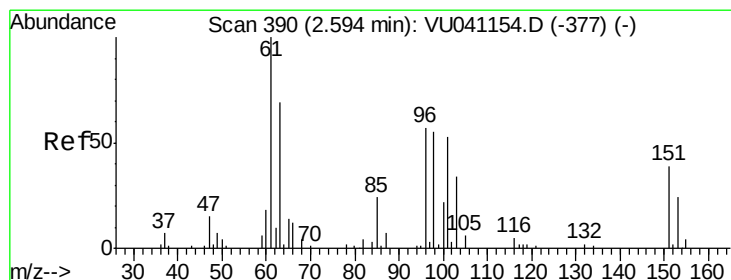
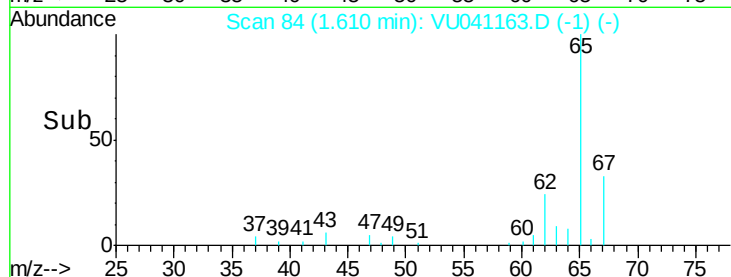
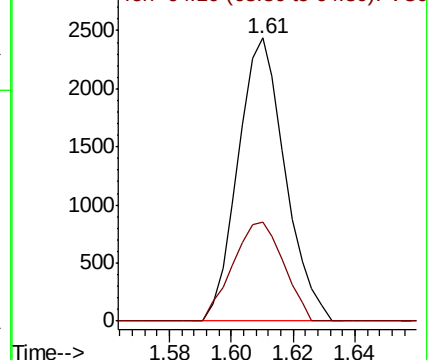
62 100

64 35.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 5.335 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041163.D

Acq: 10 Nov 2020 00:39

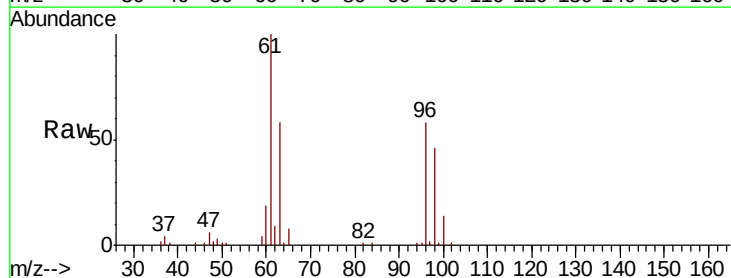
Tgt Ion: 96 Resp: 21446

Ion Ratio Lower Upper

96 100

61 173.8 134.3 249.5

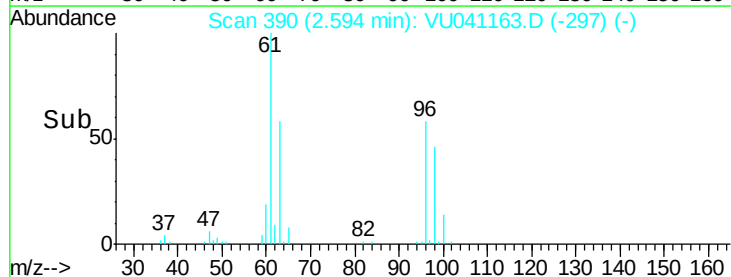
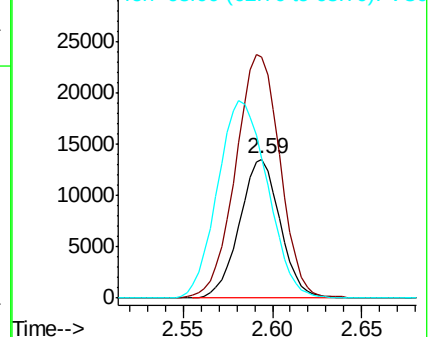
63 101.1 95.0 176.4

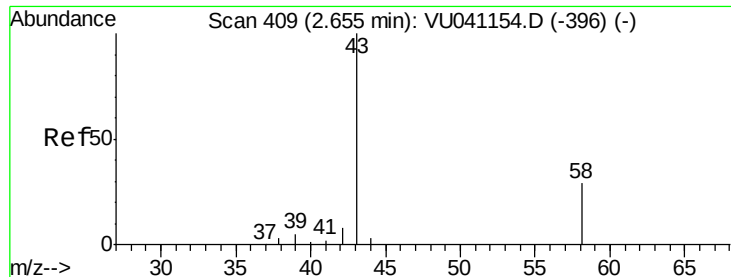


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.975 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041163.D

Acq: 10 Nov 2020 00:39

Instrument :

MSVOA_U

ClientSampleId :

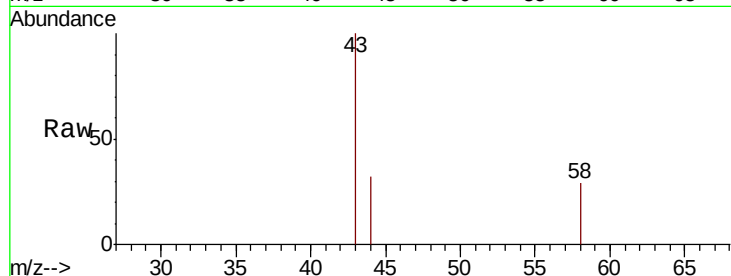
GB0T3

Tot Ion: 43 Resp: 2126

Ion Ratio Lower Upper

43 100

58 20.5 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041163.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU041163.D (-316) (-)

2.67

800

600

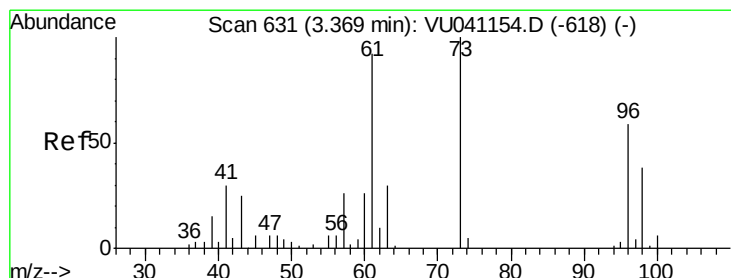
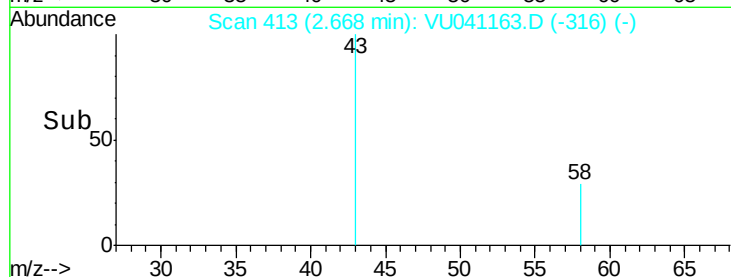
400

200

0

Time-->

2.60 2.65 2.70 2.75



#18

trans-1,2-Dichloroethene

Concen: 0.274 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.01 min

Lab File: VU041163.D

Acq: 10 Nov 2020 00:39

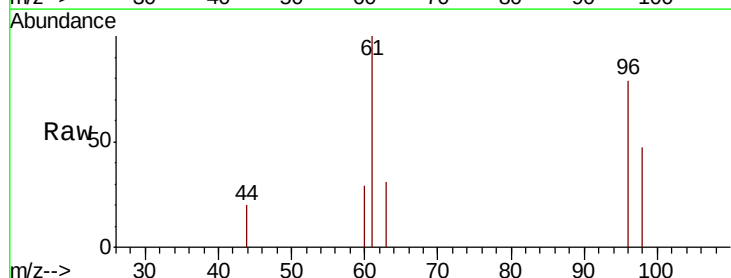
Tgt Ion: 96 Resp: 1120

Ion Ratio Lower Upper

96 100

61 126.8 110.9 205.9

98 59.4 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041163.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU041163.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU041163.D (-538) (-)

3.38

1000

800

600

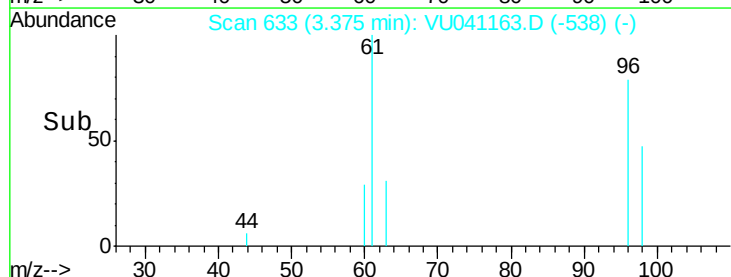
400

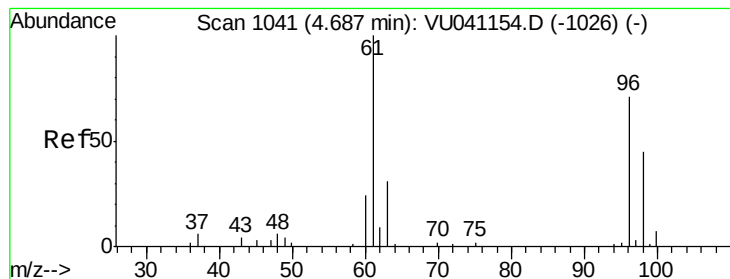
200

0

Time-->

3.35 3.40





#22

cis-1,2-Dichloroethene

Concen: 6.577 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041163.D

Acq: 10 Nov 2020 00:39

Instrument :

MSVOA_U

ClientSampleId :

GB0T3

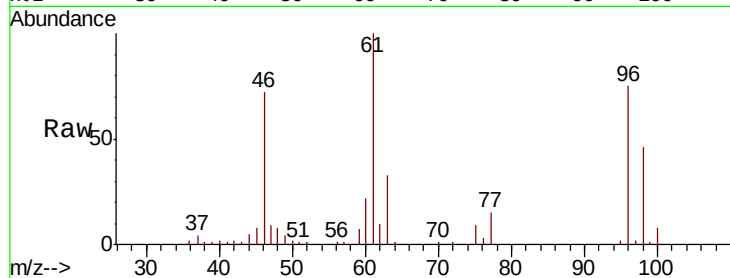
Tot Ion: 96 Resp: 27718

Ion Ratio Lower Upper

96 100

61 134.1 97.2 180.4

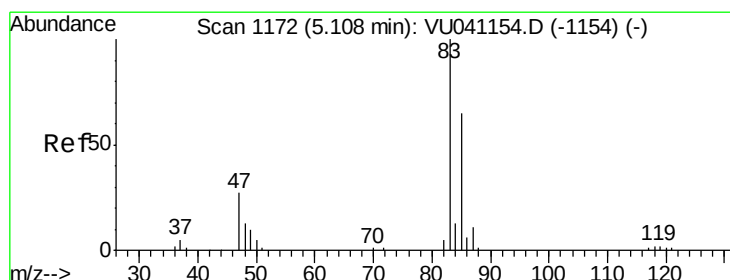
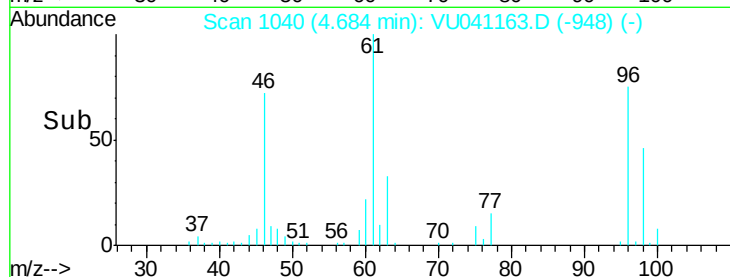
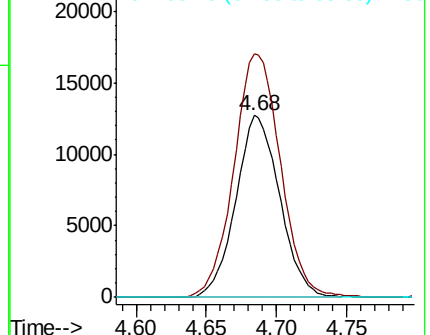
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041163.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041163.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU041163.D (-948) (-)



#25

Chloroform

Concen: 0.061 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.01 min

Lab File: VU041163.D

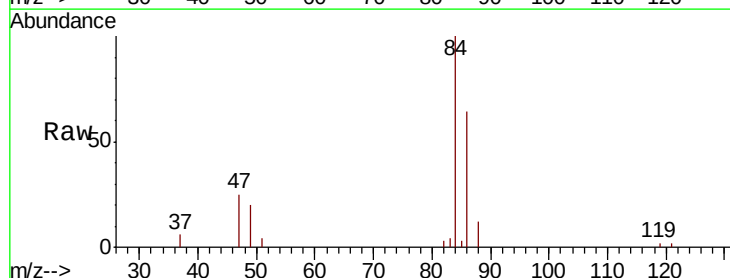
Acq: 10 Nov 2020 00:39

Tgt Ion: 83 Resp: 497

Ion Ratio Lower Upper

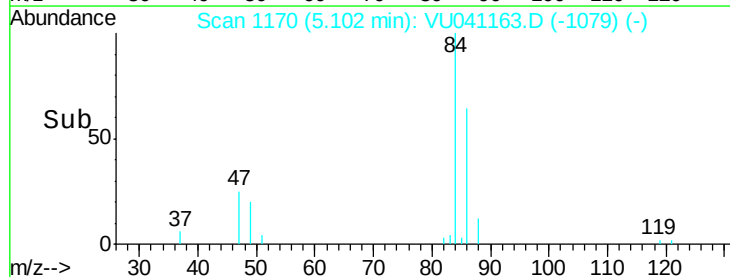
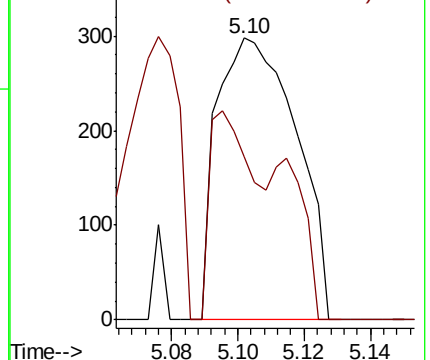
83 100

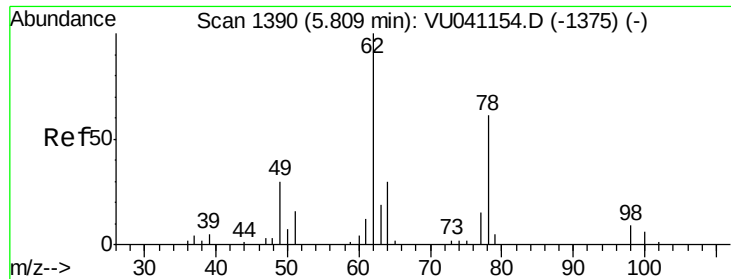
85 57.7 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041163.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU041163.D (-1079) (-)

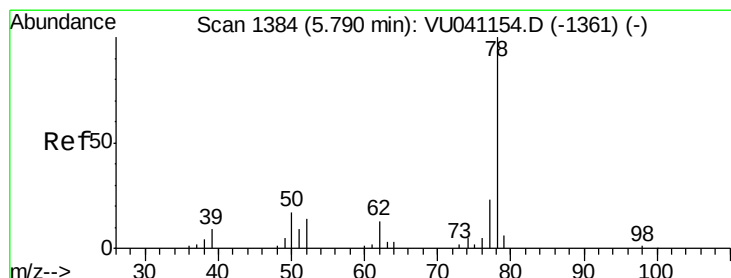
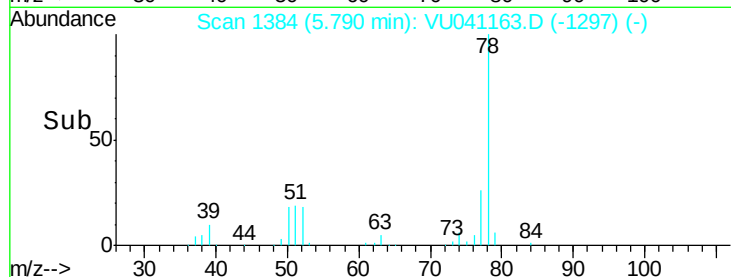
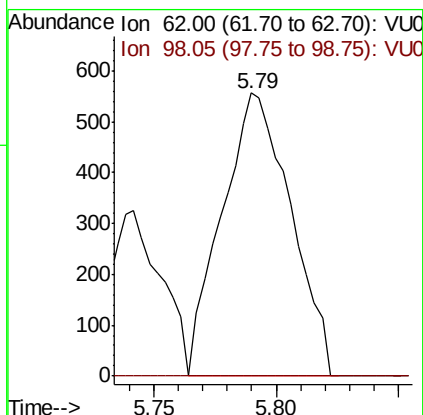
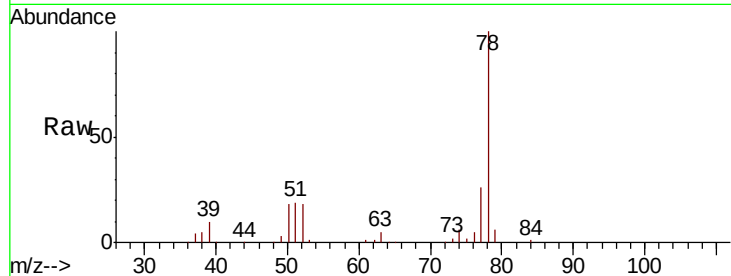




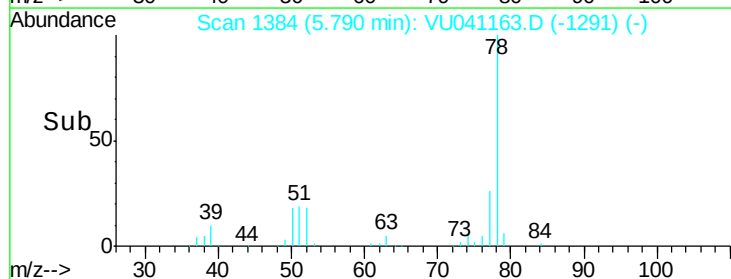
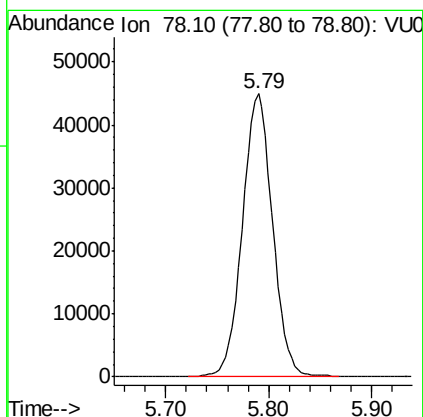
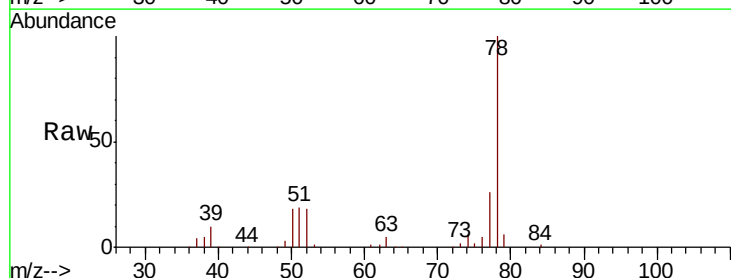
#27
 1,2-Dichloroethane
 Concen: 0.178 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: VU041163.D
 Acq: 10 Nov 2020 00:39

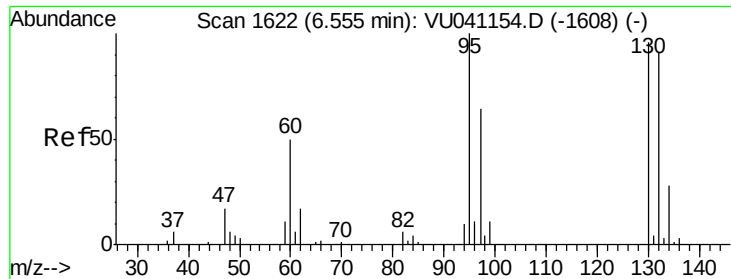
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3

Tot Ion: 62 Resp: 1087
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 5.305 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: VU041163.D
 Acq: 10 Nov 2020 00:39
 Tgt Ion: 78 Resp: 91215





#34

Trichloroethene

Concen: 7.247 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU041163.D

Acq: 10 Nov 2020 00:39

Instrument :

MSVOA_U

ClientSampleId :

GB0T3

Tot Ion: 95 Resp: 31707

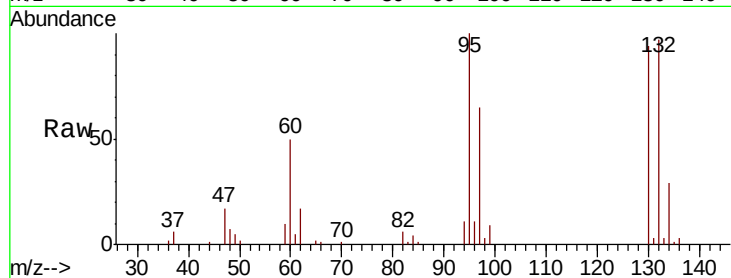
Ion Ratio Lower Upper

95 100

97 65.0 45.6 84.6

132 96.5 64.8 120.4

130 93.9 64.8 120.4

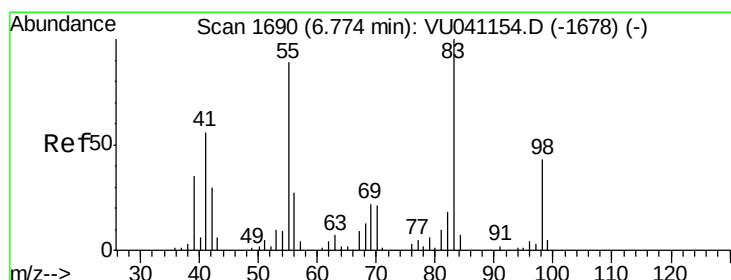
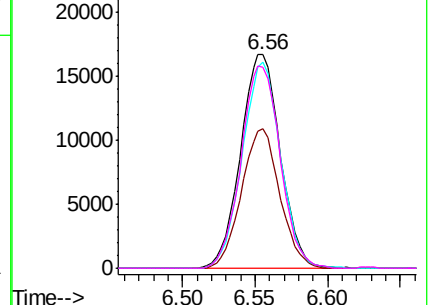
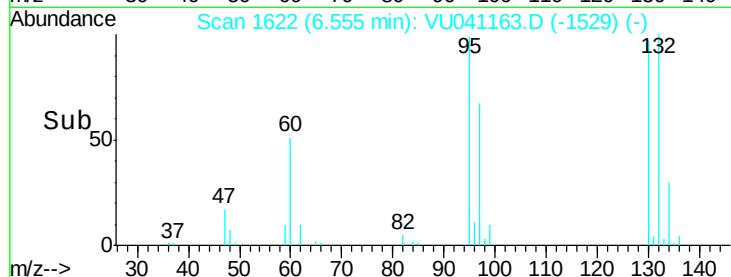


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.903 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041163.D

Acq: 10 Nov 2020 00:39

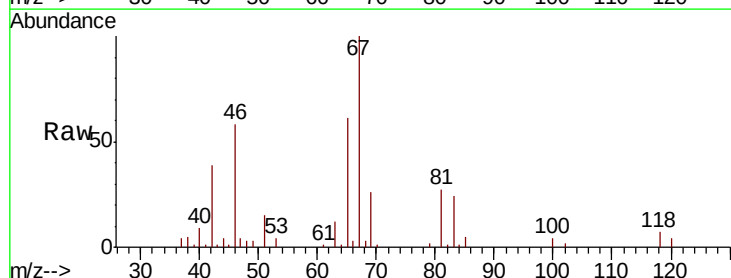
Tgt Ion: 83 Resp: 5896

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

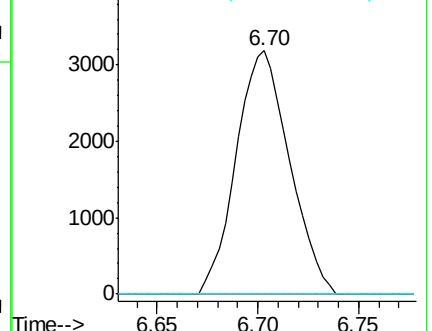
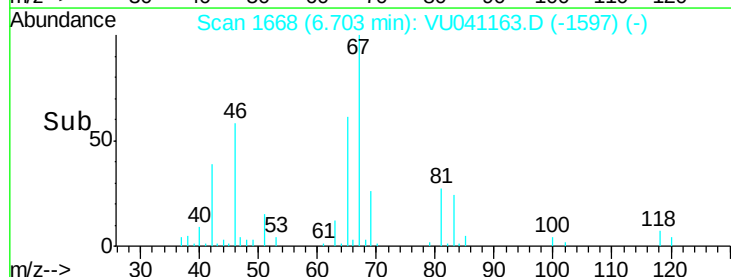
98 0.0 36.6 55.0#

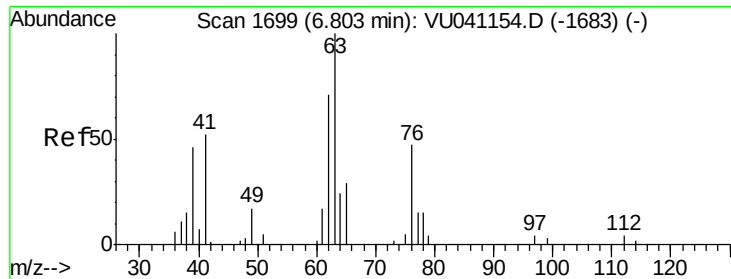


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

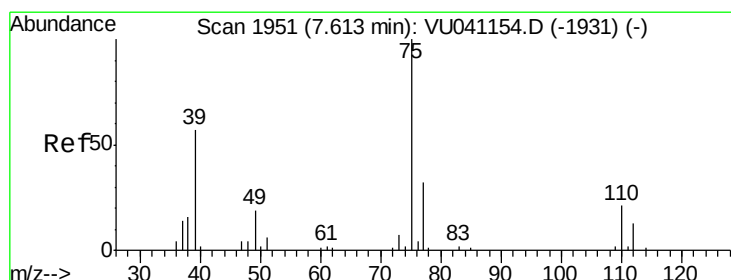
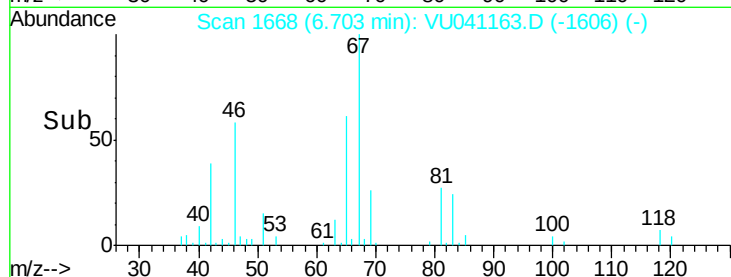
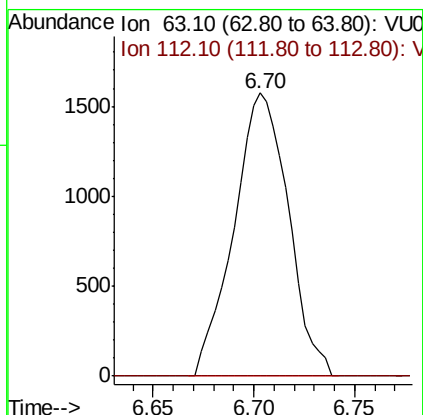
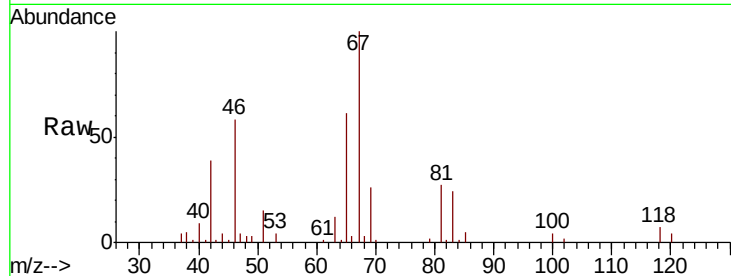




#37
 1,2-Dichloropropane
 Concen: 0.639 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041163.D
 Acq: 10 Nov 2020 00:39

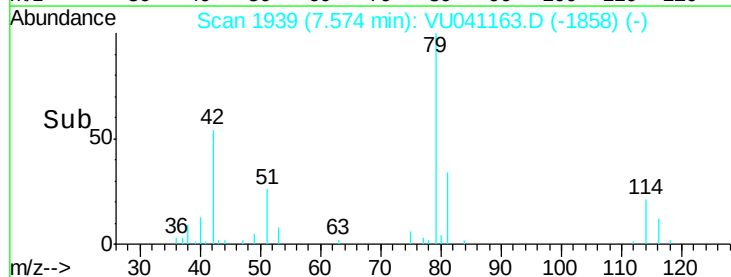
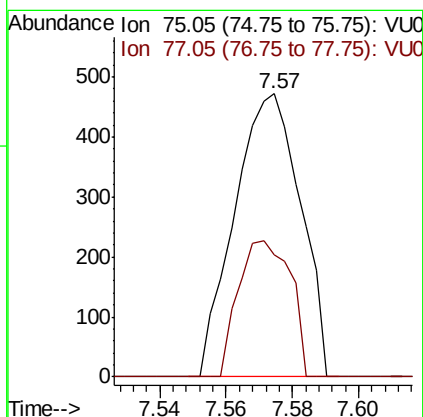
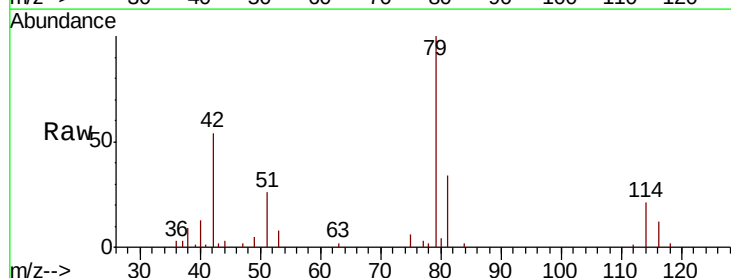
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3

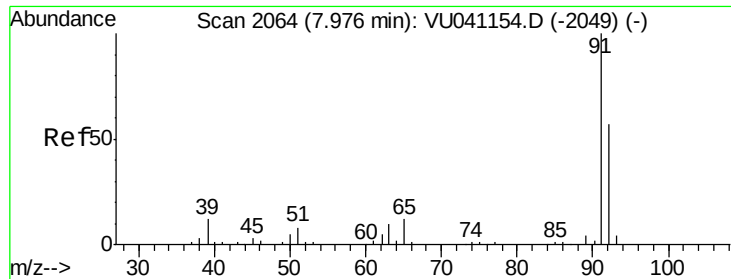
Tot Ion: 63 Resp: 2975
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041163.D
 Acq: 10 Nov 2020 00:39

Tgt Ion: 75 Resp: 652
 Ion Ratio Lower Upper
 75 100
 77 43.2 22.7 42.3#





#42

Toluene

Concen: 5.250 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041163.D

Acq: 10 Nov 2020 00:39

Instrument :

MSVOA_U

ClientSampleId :

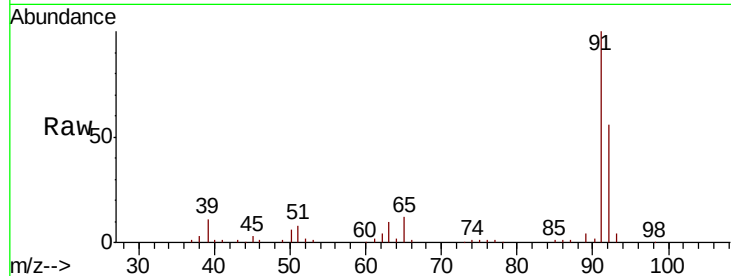
GB0T3

Tot Ion: 91 Resp: 91527

Ion Ratio Lower Upper

91 100

92 55.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041154.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041154.D (-2049) (-)

7.98

60000

50000

40000

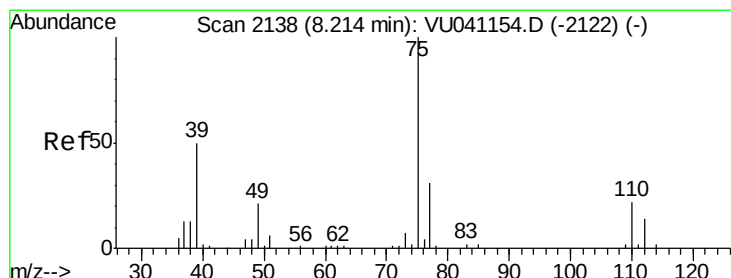
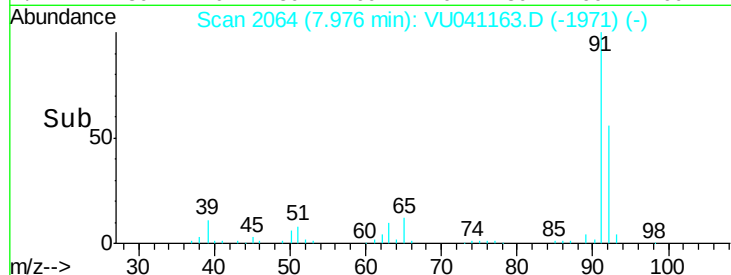
30000

20000

10000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041163.D

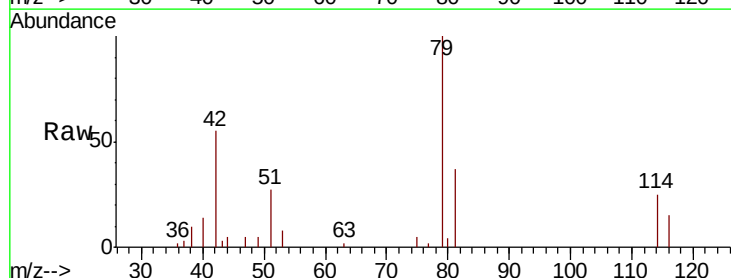
Acq: 10 Nov 2020 00:39

Tgt Ion: 75 Resp: 413

Ion Ratio Lower Upper

75 100

77 46.5 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041154.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041154.D (-2122) (-)

8.19

300

250

200

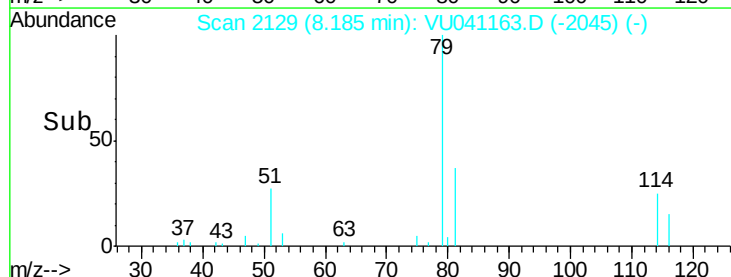
150

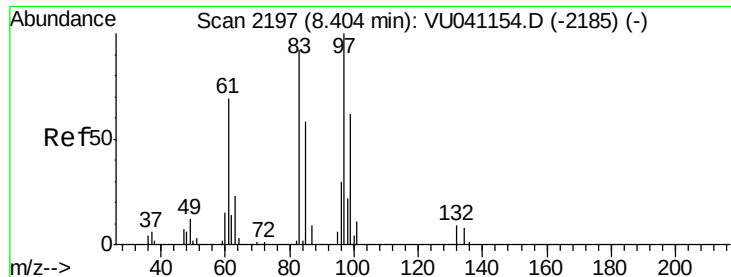
100

50

0

Time-->

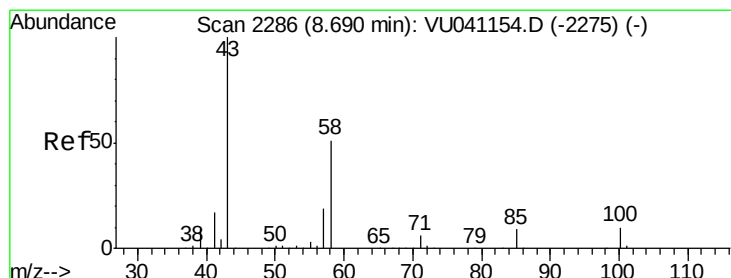
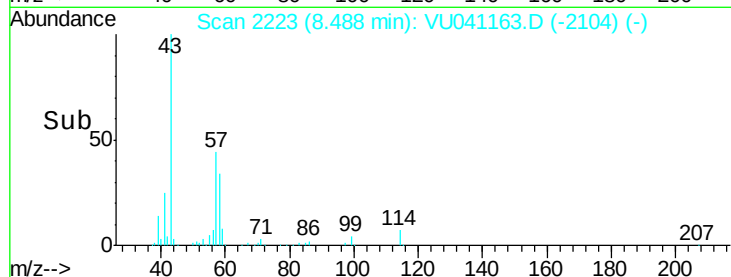
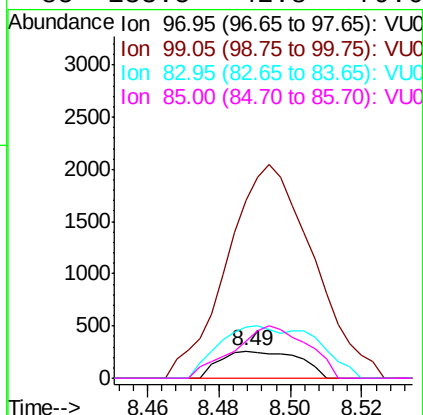
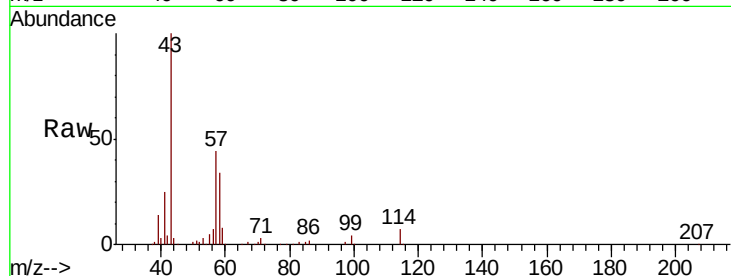




#45
 1,1,2-Trichloroethane
 Concen: 0.115 ug/L
 RT: 8.49 min Scan# 2223
 Delta R.T. 0.08 min
 Lab File: VU041163.D
 Acq: 10 Nov 2020 00:39

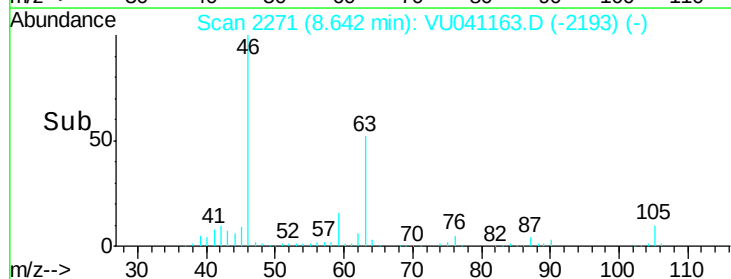
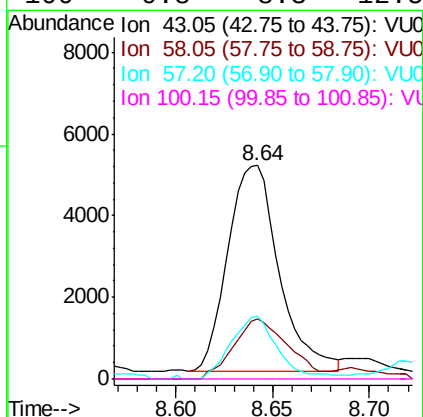
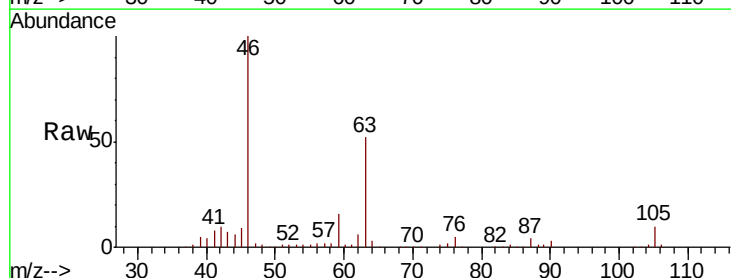
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3

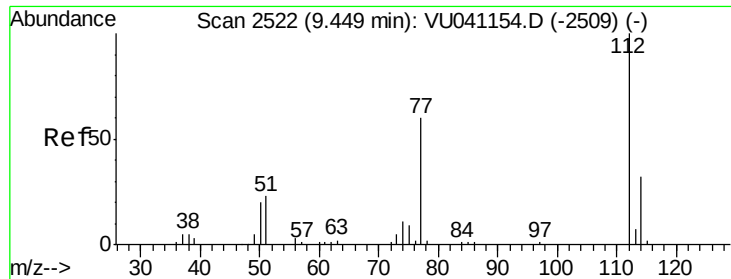
Tot Ion:	97	Resp:	398
Ion	Ratio	Lower	Upper
97	100		
99	647.9	45.8	85.2#
83	188.2	67.9	126.1#
85	133.5	42.8	79.6#



#48
 2-Hexanone
 Concen: 3.332 ug/L
 RT: 8.64 min Scan# 2271
 Delta R.T. -0.05 min
 Lab File: VU041163.D
 Acq: 10 Nov 2020 00:39

Tgt Ion:	43	Resp:	9305
Ion	Ratio	Lower	Upper
43	100		
58	30.9	41.4	62.2#
57	27.9	14.6	21.8#
100	0.8	8.3	12.5#

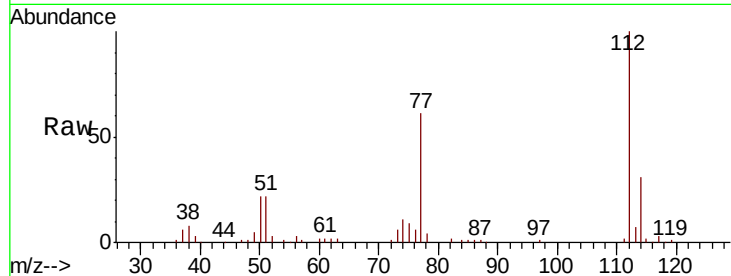




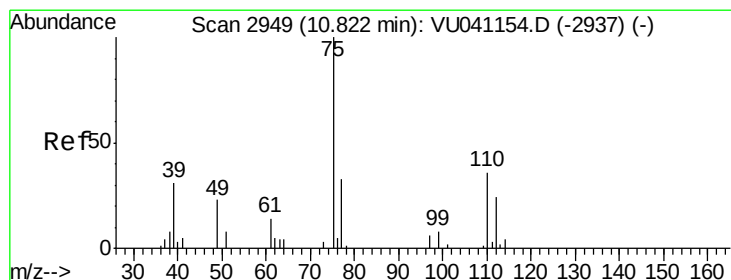
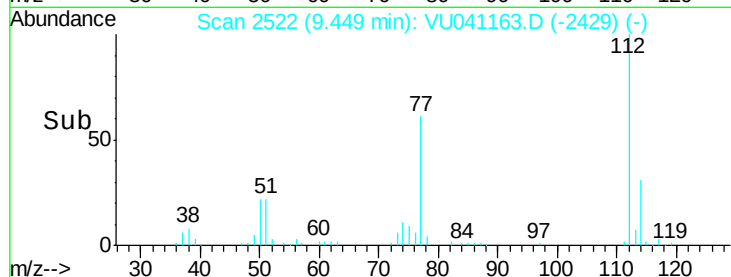
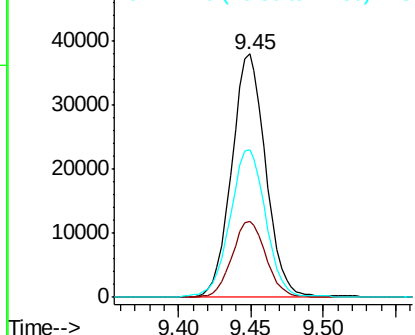
#51
Chlorobenzene
Concen: 5.603 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041163.D
Acq: 10 Nov 2020 00:39

Instrument :
MSVOA_U
ClientSampleId :
GB0T3

Tot Ion:112 Resp: 61937
Ion Ratio Lower Upper
112 100
114 31.3 22.4 41.6
77 60.9 51.2 76.8

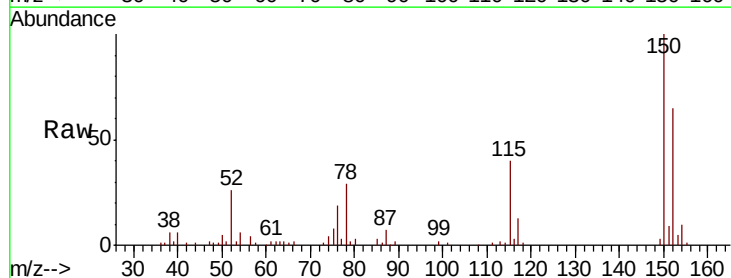


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.964 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041163.D
Acq: 10 Nov 2020 00:39

Tgt Ion: 75 Resp: 3344
Ion Ratio Lower Upper
75 100
77 44.8 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

