

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091720\
 Data File : VU040180.D
 Acq On : 17 Sep 2020 14:47
 Operator : SY/MD
 Sample : L4046-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P1

Quant Time: Sep 18 04:03:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 18 04:01:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109723	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108169	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51729	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28344	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.92	69	24990	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.58	63	47169	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.65	46	119306	49.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.58%
24) Chloroform-d	5.08	84	60134	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.72	65	42252	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.75	84	118059	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	39274	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.91	98	95635	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.19	79	16303	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	87378	48.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	36101	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	41598	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	1295	0.204	ug/L #	81
13) Acetone	2.65	43	3445	1.553	ug/L	97
16) Methylene chloride	3.06	84	1319	0.119	ug/L	85
17) Methyl tert-butyl Ether	3.38	73	14685	0.574	ug/L #	92
22) cis-1,2-Dichloroethene	4.69	96	934	0.095	ug/L	80
25) Chloroform	5.11	83	8717	0.453	ug/L	100
33) Benzene	5.79	78	33054	0.854	ug/L	100
35) Methylcyclohexane	6.71	83	9088	0.572	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	4691	0.448	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1330	0.086	ug/L #	76
44) trans-1,3-Dichloropropene	8.18	75	813	0.057	ug/L	91
45) 1,1,2-Trichloroethane	8.38	97	910	0.119	ug/L #	14
51) Chlorobenzene	9.45	112	129646	5.240	ug/L	96
56) Isopropylbenzene	10.48	105	3934	0.094	ug/L #	86
59) 1,2,3-Trichloropropane	11.81	75	7605	0.980	ug/L #	77
63) 1,4-Dichlorobenzene	11.83	146	20743	1.084	ug/L	92
65) 1,2-Dichlorobenzene	12.21	146	6844	0.374	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 18 04:01:22 2020
Response via : Initial Calibration

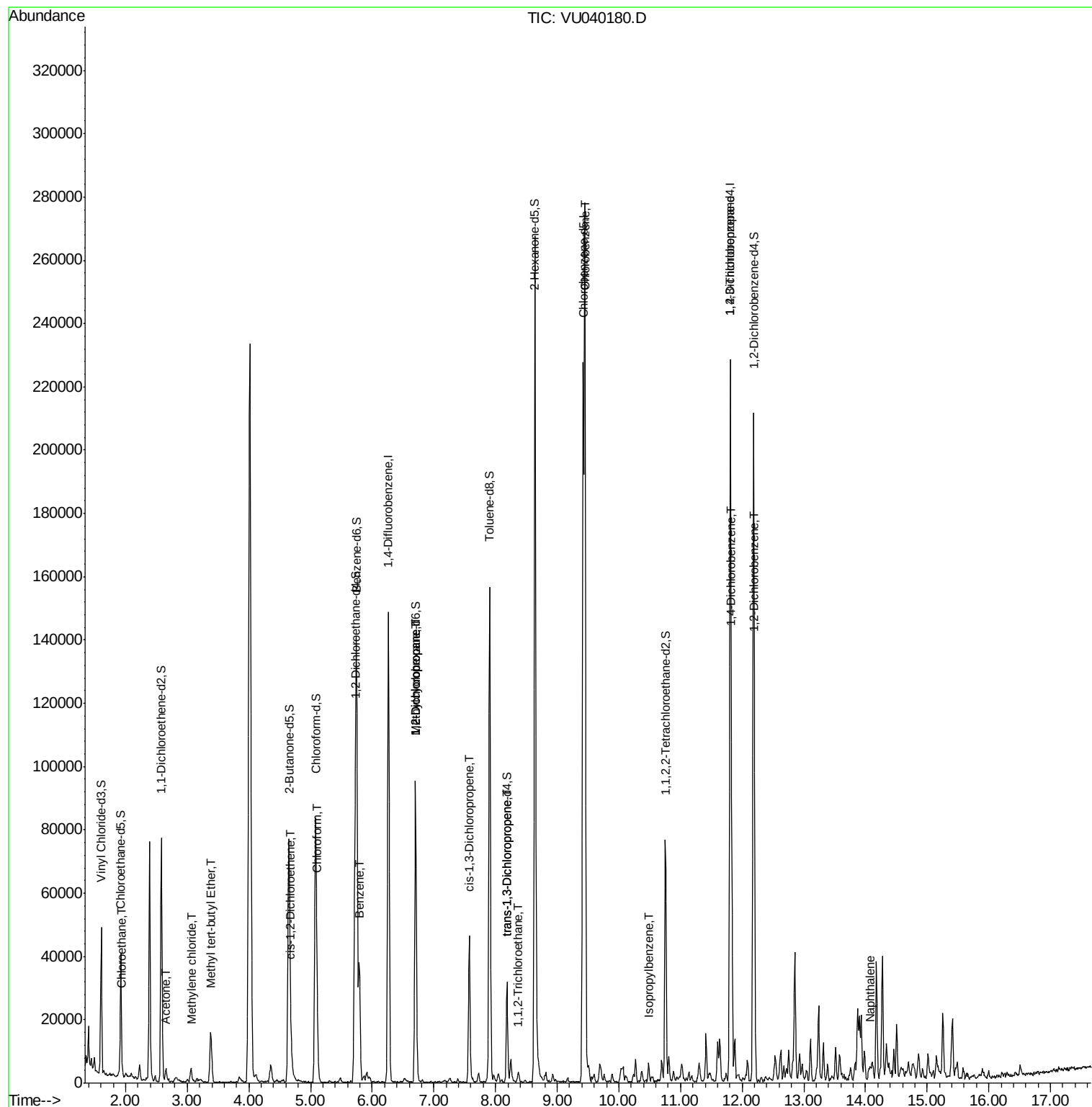
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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69) Naphthalene	14.07	128	2828	0.118	ug/L #	87
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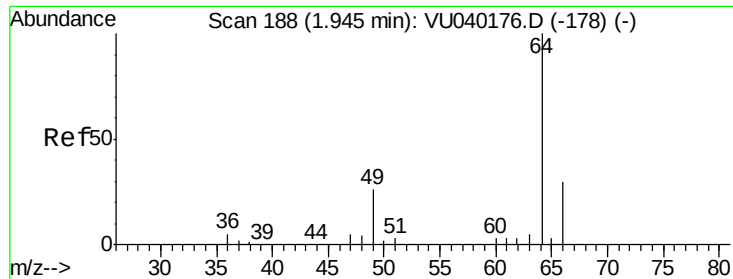
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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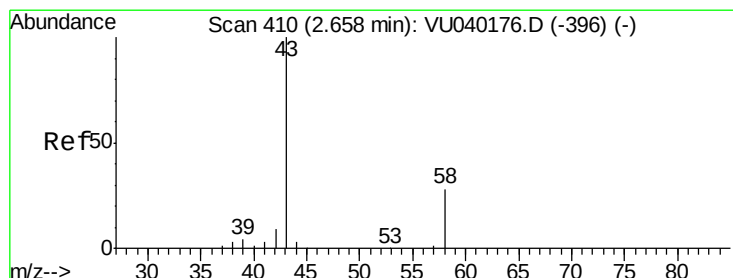
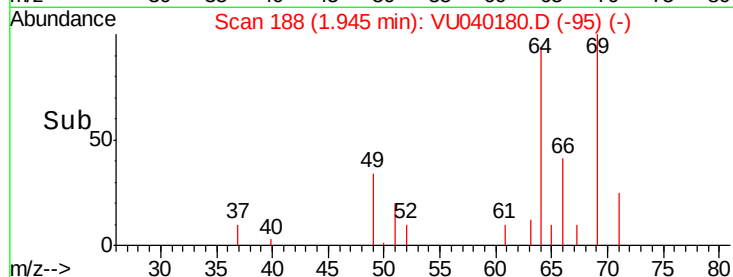
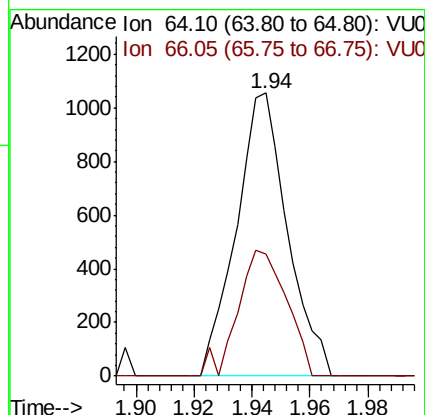
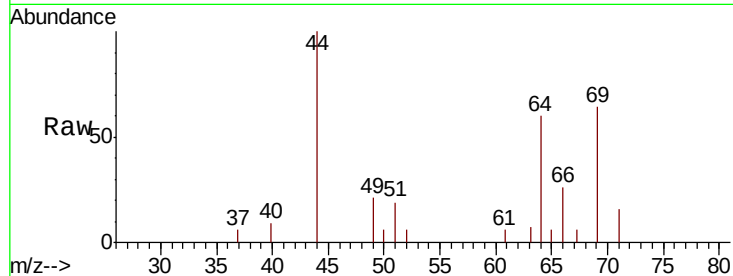




#8
 Chloroethane
 Concen: 0.204 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU040180.D
 Acq: 17 Sep 2020 14:47

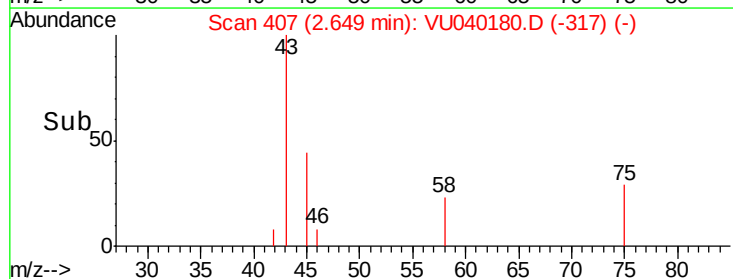
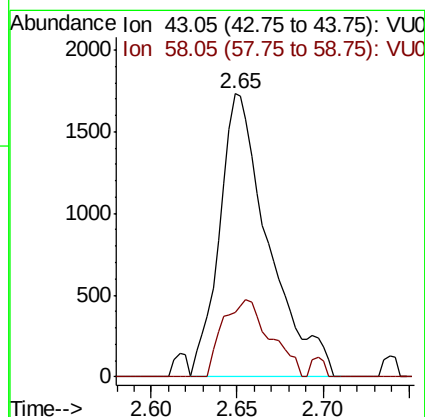
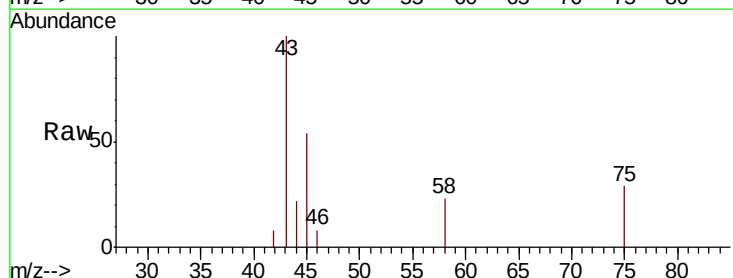
Instrument :
 MSVOA_U
 ClientSampled :
 BG0P1

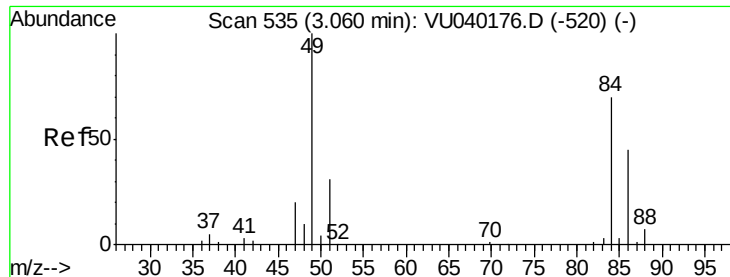
Tot Ion: 64 Resp: 1295
 Ion Ratio Lower Upper
 64 100
 66 43.2 22.7 42.1#



#13
 Acetone
 Concen: 1.553 ug/L
 RT: 2.65 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VU040180.D
 Acq: 17 Sep 2020 14:47

Tgt Ion: 43 Resp: 3445
 Ion Ratio Lower Upper
 43 100
 58 26.3 0.0 55.4

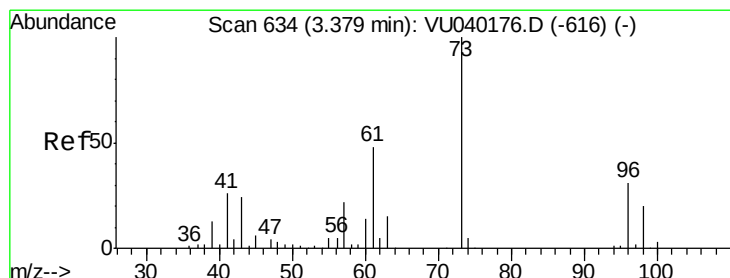
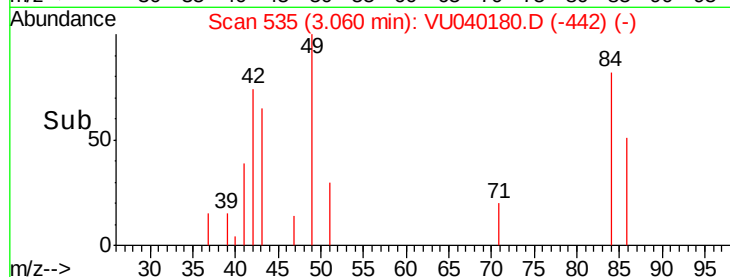
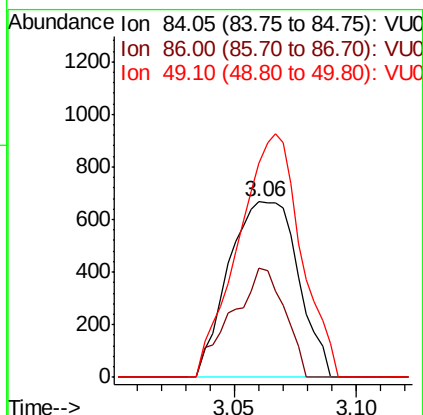
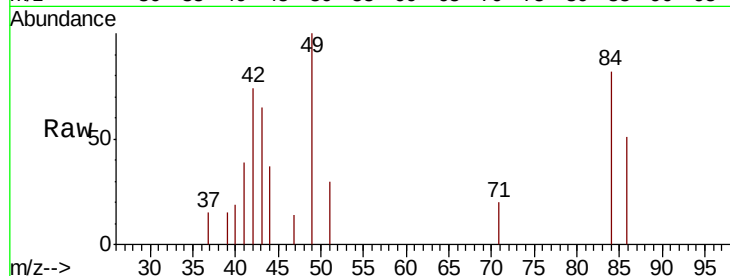




#16
Methylene chloride
Concen: 0.119 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040180.D
Acq: 17 Sep 2020 14:47

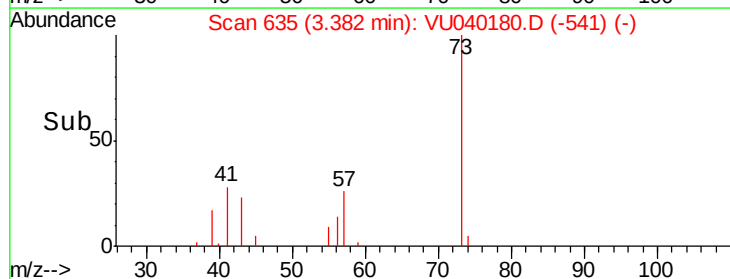
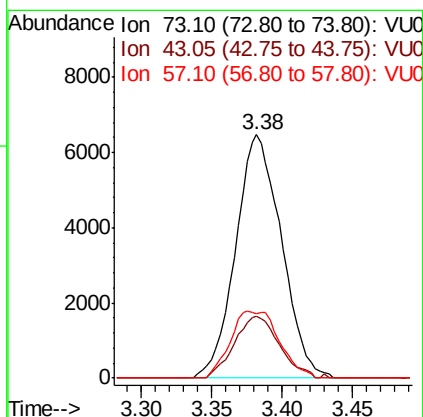
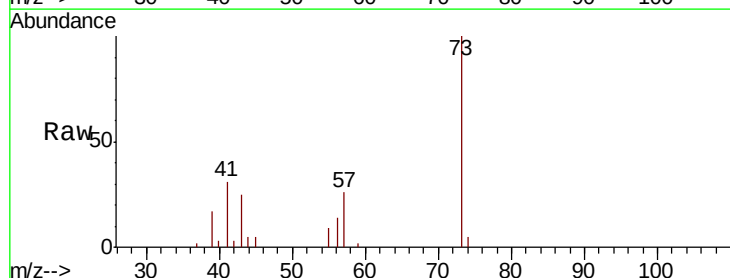
Instrument :
MSVOA_U
ClientSampleId :
BG0P1

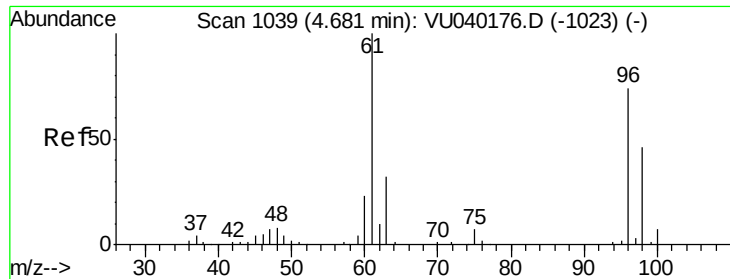
Tot Ion: 84 Resp: 1319
Ion Ratio Lower Upper
84 100
86 62.6 45.2 84.0
49 122.2 104.0 193.2



#17
Methyl tert-butyl Ether
Concen: 0.574 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040180.D
Acq: 17 Sep 2020 14:47

Tgt Ion: 73 Resp: 14685
Ion Ratio Lower Upper
73 100
43 24.8 19.1 28.7
57 29.4 18.3 27.5#





#22

cis-1,2-Dichloroethene

Concen: 0.095 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

BG0P1

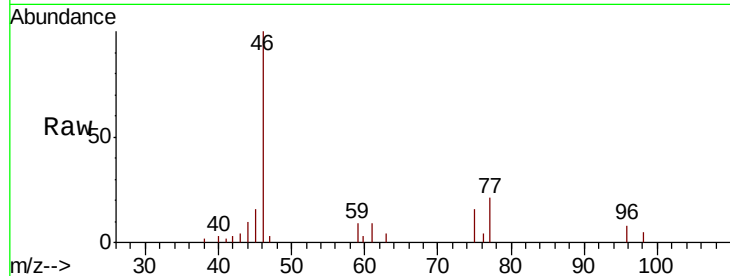
Tot Ion: 96 Resp: 934

Ion Ratio Lower Upper

96 100

61 116.9 98.8 183.4

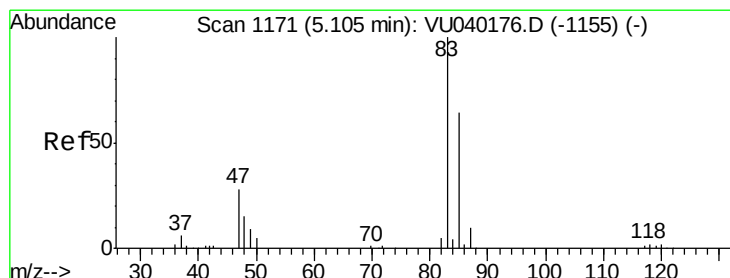
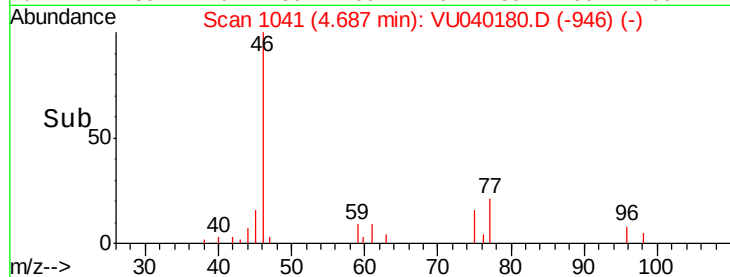
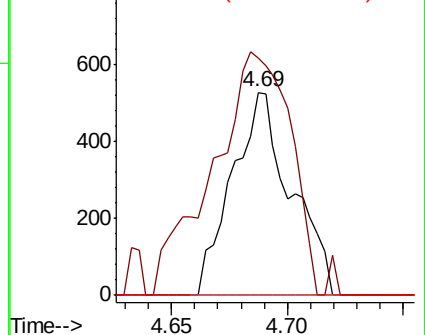
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.453 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040180.D

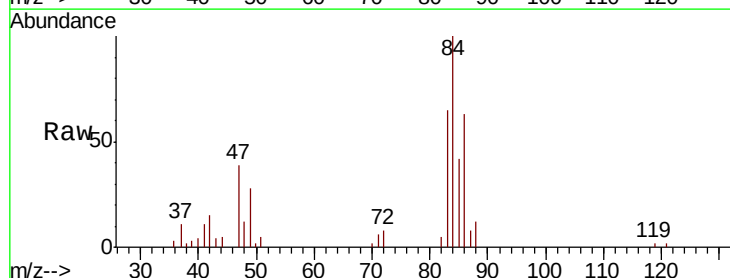
Acq: 17 Sep 2020 14:47

Tgt Ion: 83 Resp: 8717

Ion Ratio Lower Upper

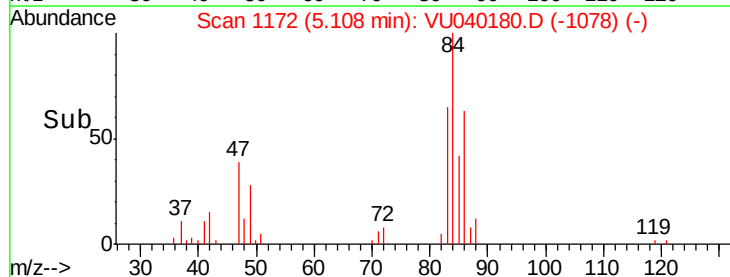
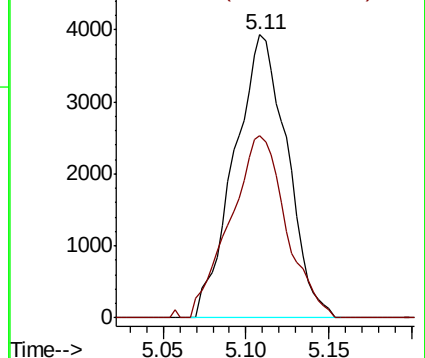
83 100

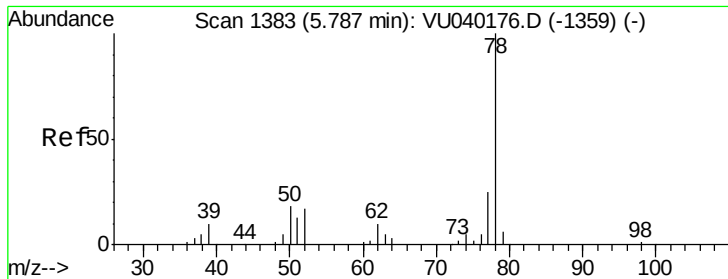
85 64.4 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.854 ug/L

RT: 5.79 min Scan# 1384

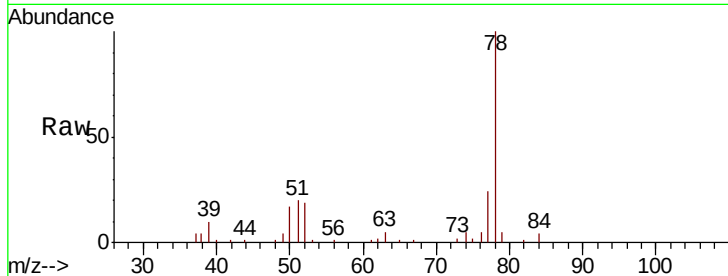
Delta R.T. 0.00 min

Lab File: VU040180.D

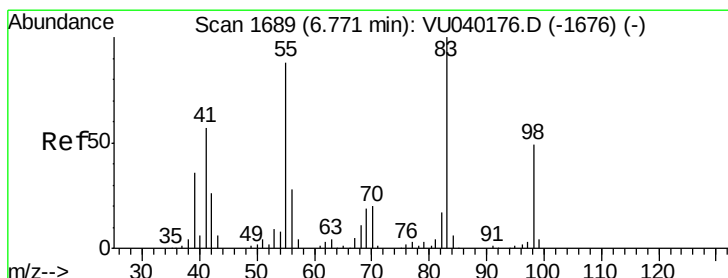
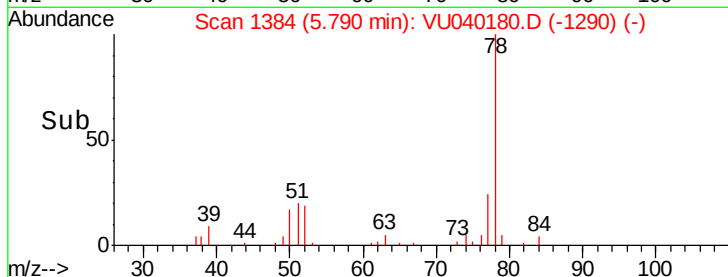
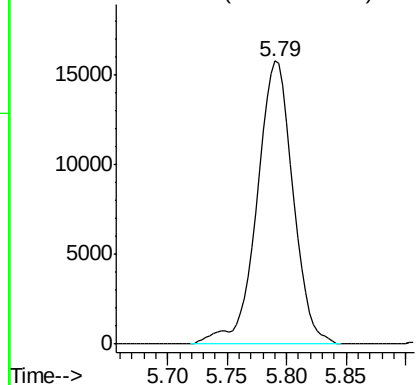
Acq: 17 Sep 2020 14:47

Instrument :
MSVOA_U
ClientSampled :
BG0P1

Tgt Ion: 78 Resp: 33054



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.572 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.06 min

Lab File: VU040180.D

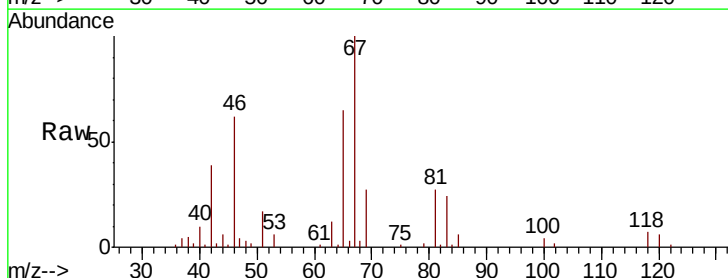
Acq: 17 Sep 2020 14:47

Tgt Ion: 83 Resp: 9088

Ion	Ratio	Lower	Upper
83	100		

55	1.0	70.5	105.7#
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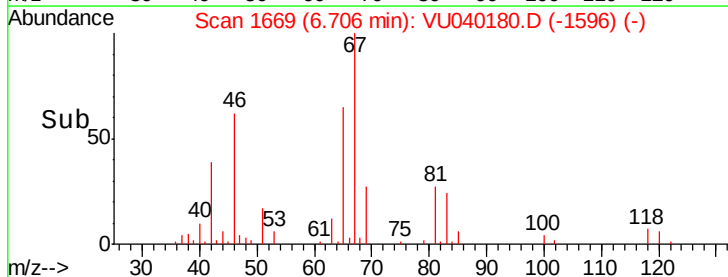
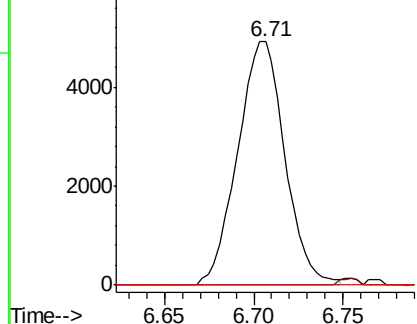
98	0.0	37.8	56.6#
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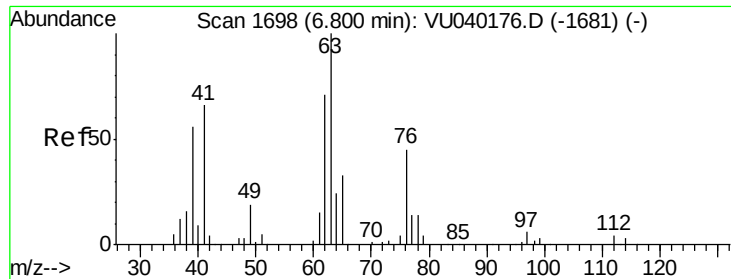


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

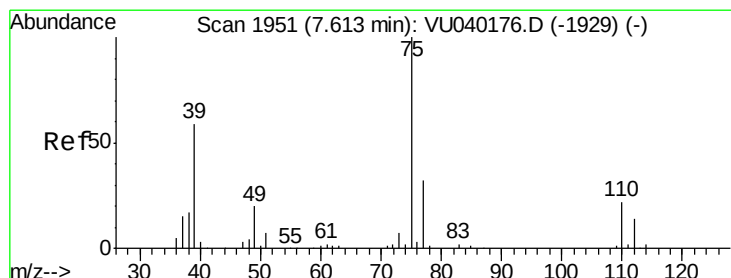
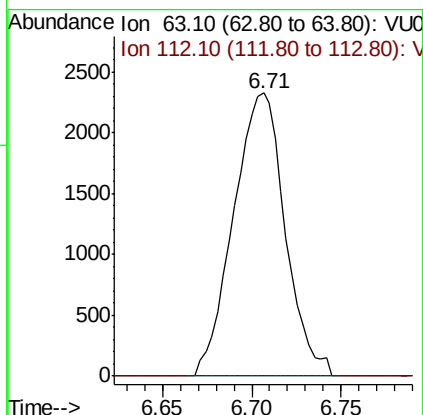
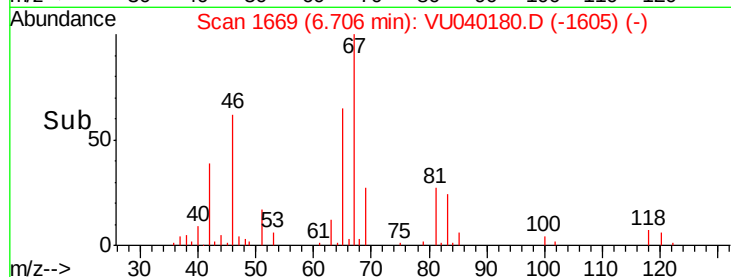
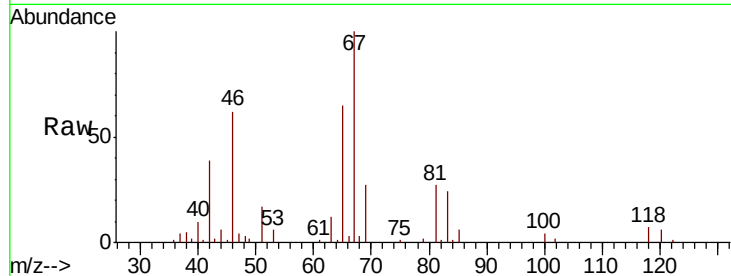




#37
 1,2-Dichloropropane
 Concen: 0.448 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU040180.D
 Acq: 17 Sep 2020 14:47

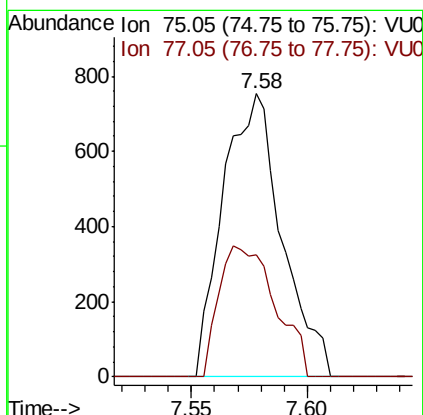
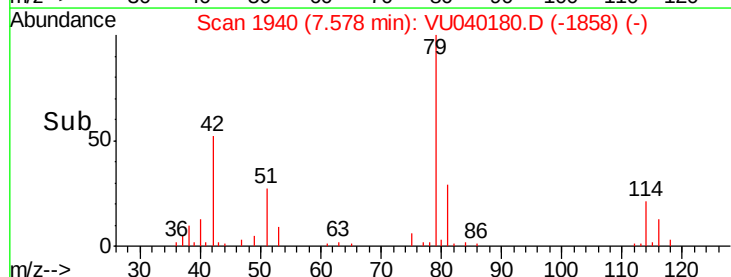
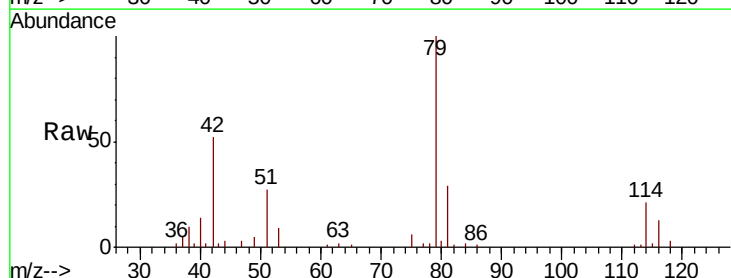
Instrument :
 MSVOA_U
 ClientSampleId :
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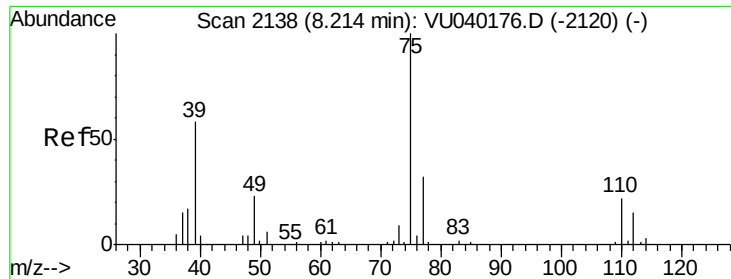
Tot Ion: 63 Resp: 4691
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040180.D
 Acq: 17 Sep 2020 14:47

Tgt Ion: 75 Resp: 1330
 Ion Ratio Lower Upper
 75 100
 77 43.0 21.1 39.3#





#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

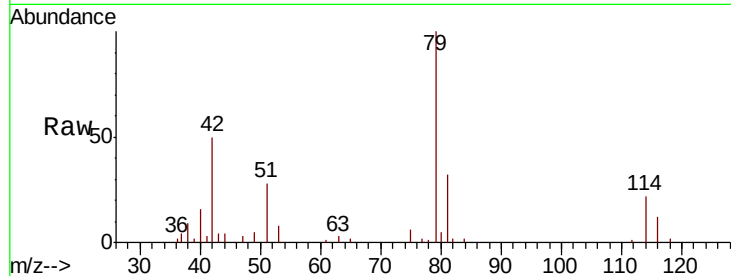
BG0P1

Tot Ion: 75 Resp: 813

Ion Ratio Lower Upper

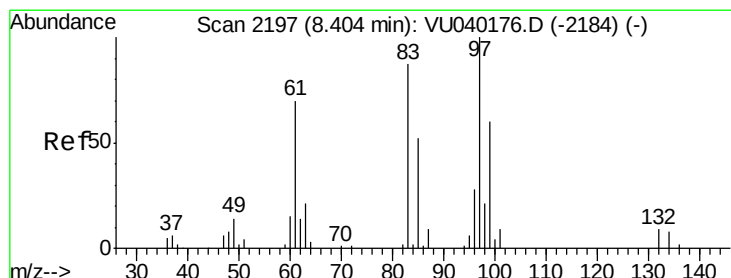
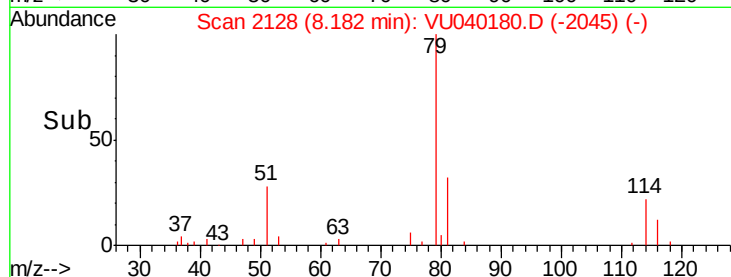
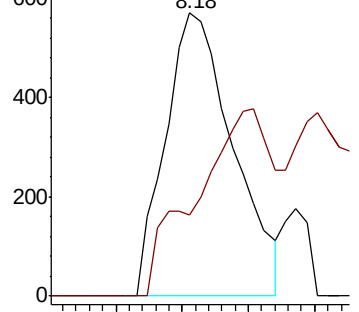
75 100

77 28.7 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#45

1,1,2-Trichloroethane

Concen: 0.119 ug/L

RT: 8.38 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

Tgt Ion: 97 Resp: 910

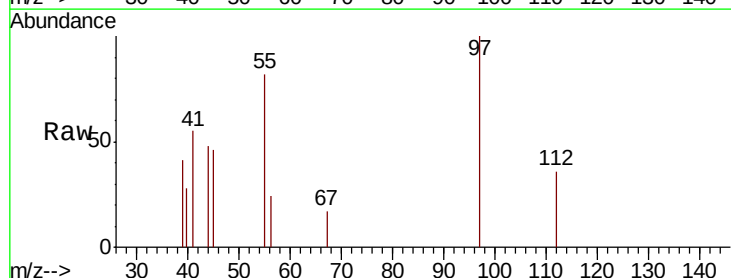
Ion Ratio Lower Upper

97 100

99 0.0 43.0 79.8#

83 0.0 61.7 114.7#

85 0.0 39.3 73.1#

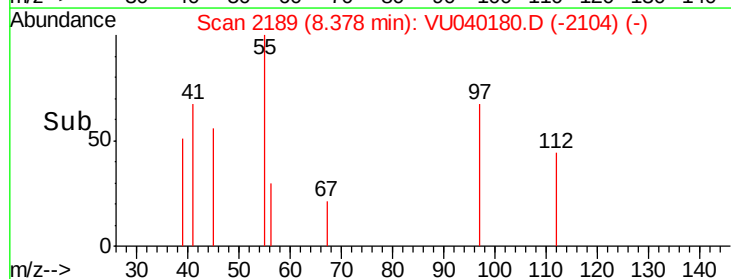
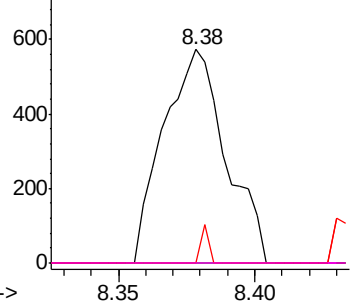


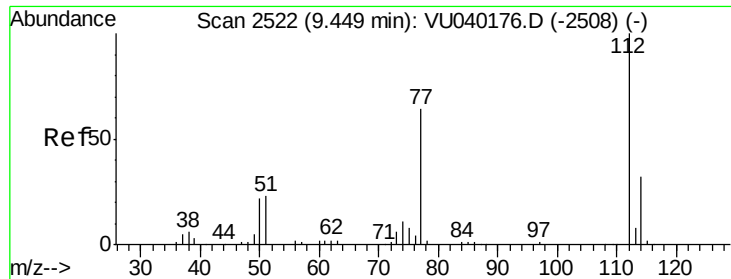
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

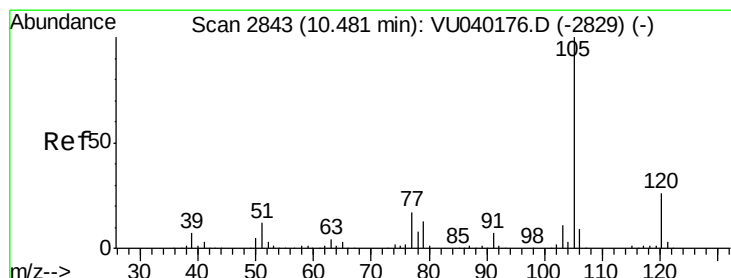
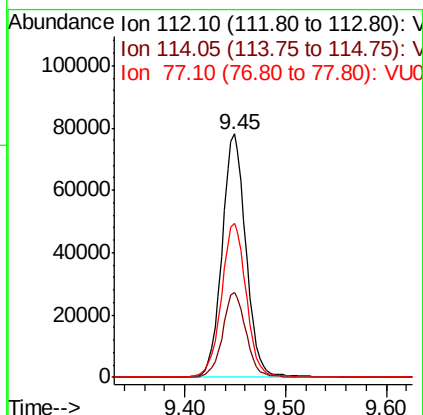
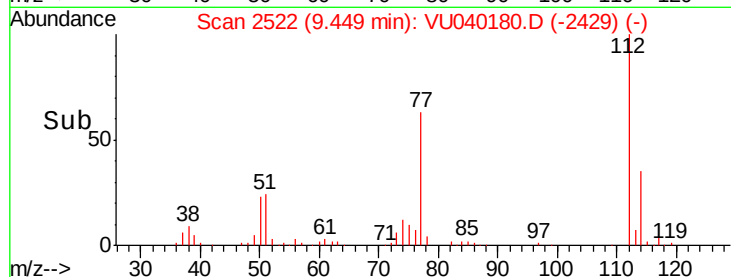
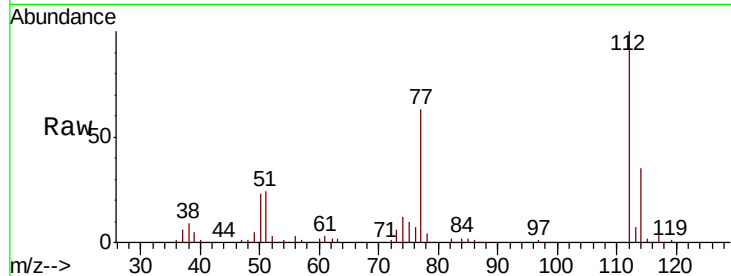




#51
Chlorobenzene
Concen: 5.240 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040180.D
Acq: 17 Sep 2020 14:47

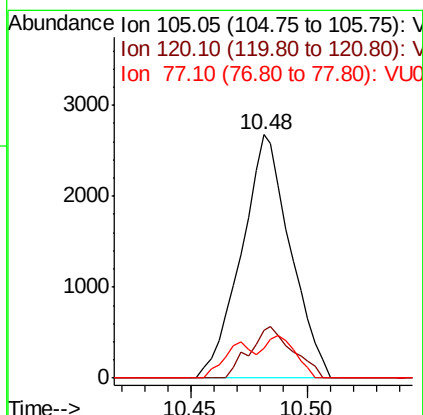
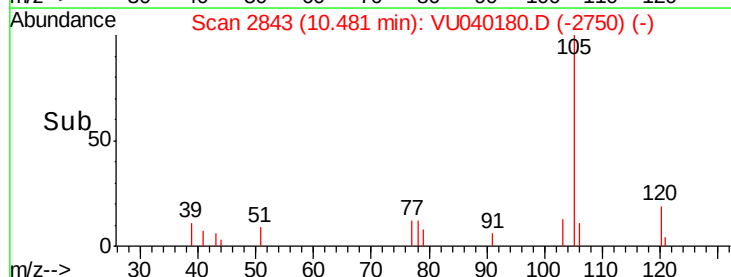
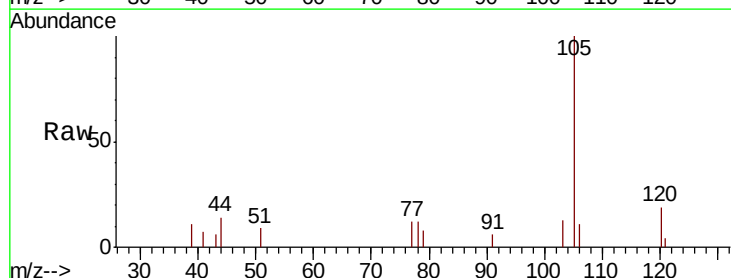
Instrument :
MSVOA_U
ClientSampled :
BG0P1

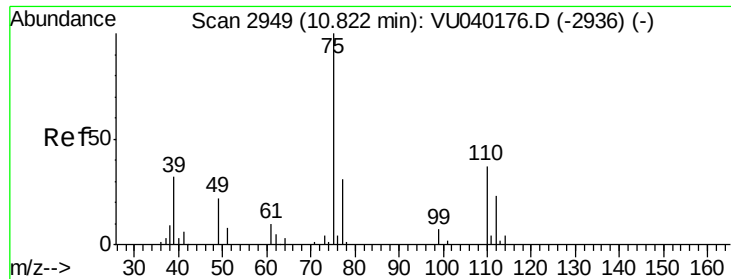
Tot Ion:112 Resp: 129646
Ion Ratio Lower Upper
112 100
114 35.0 22.7 42.3
77 63.5 53.2 79.8



#56
Isopropylbenzene
Concen: 0.094 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. 0.00 min
Lab File: VU040180.D
Acq: 17 Sep 2020 14:47

Tgt Ion:105 Resp: 3934
Ion Ratio Lower Upper
105 100
120 18.6 20.1 30.1#
77 11.1 14.4 21.6#





#59

1,2,3-Trichloropropane

Concen: 0.980 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

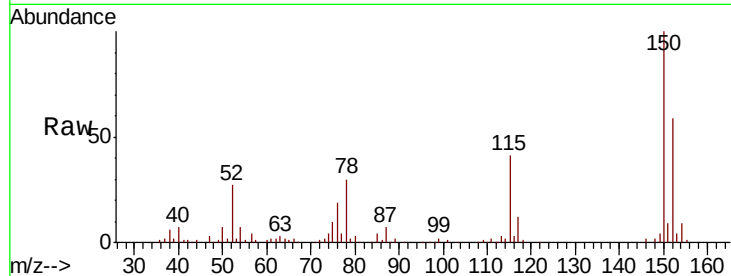
BG0P1

Tot Ion: 75 Resp: 7605

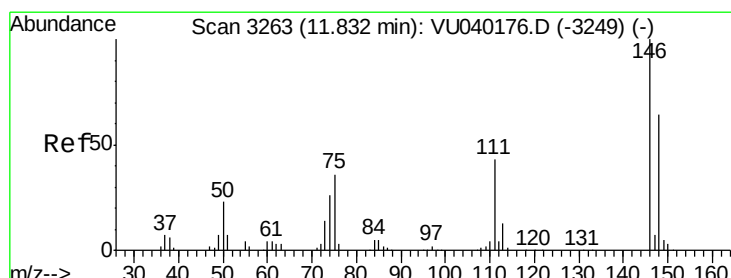
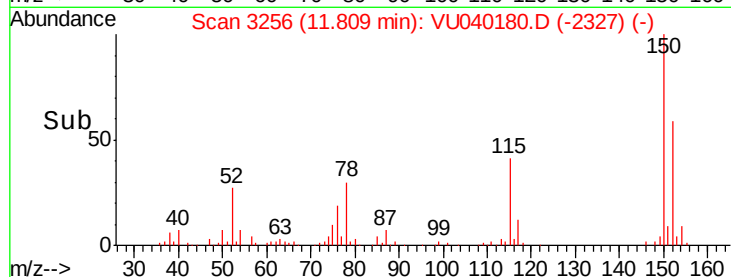
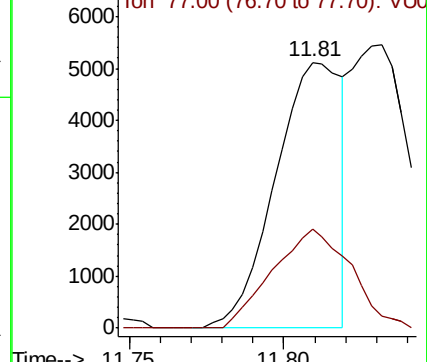
Ion Ratio Lower Upper

75 100

77 44.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU040180.D (-3256) (-)



#63

1,4-Dichlorobenzene

Concen: 1.084 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

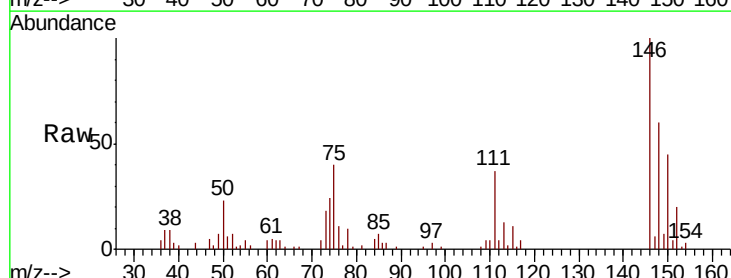
Tgt Ion: 146 Resp: 20743

Ion Ratio Lower Upper

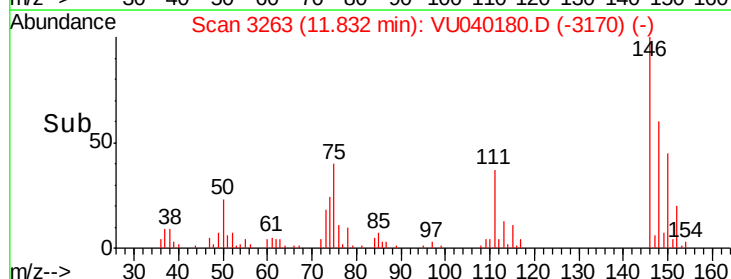
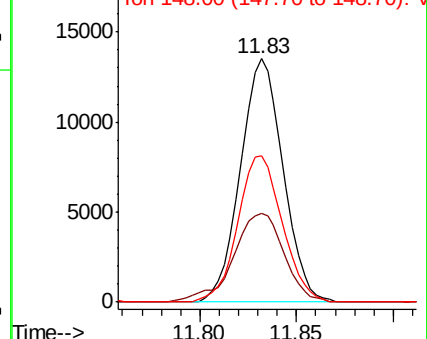
146 100

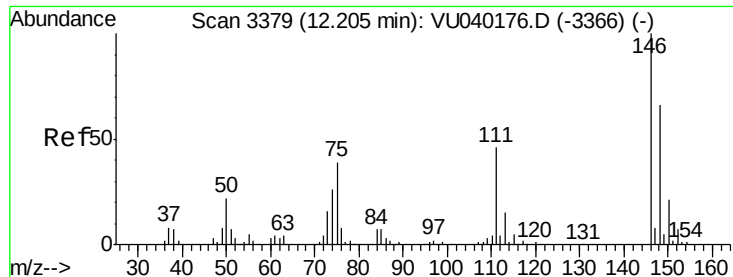
111 36.6 30.5 56.7

148 59.8 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): VU040180.D (-3263) (-)





#65

1,2-Dichlorobenzene

Concen: 0.374 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

BG0P1

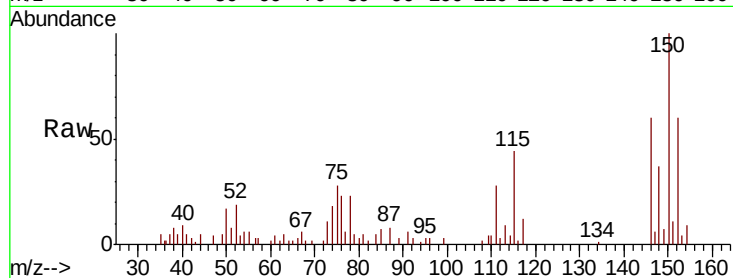
Tot Ion:146 Resp: 6844

Ion Ratio Lower Upper

146 100

111 46.3 36.5 54.7

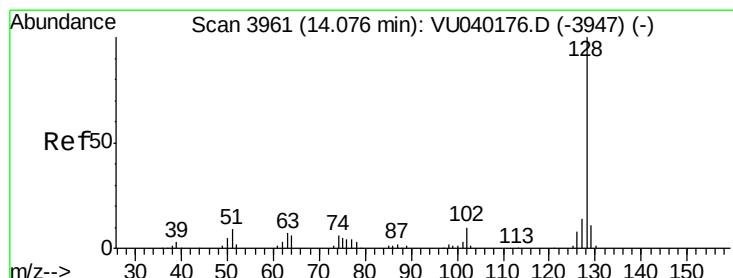
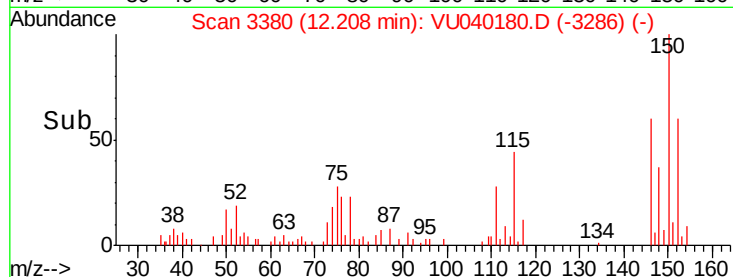
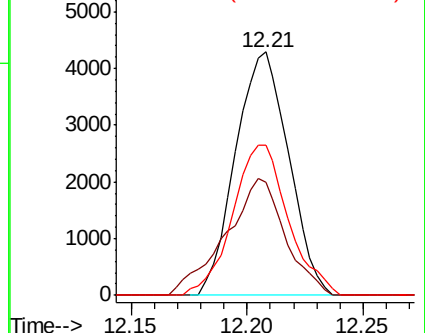
148 61.9 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 0.118 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU040180.D

Acq: 17 Sep 2020 14:47

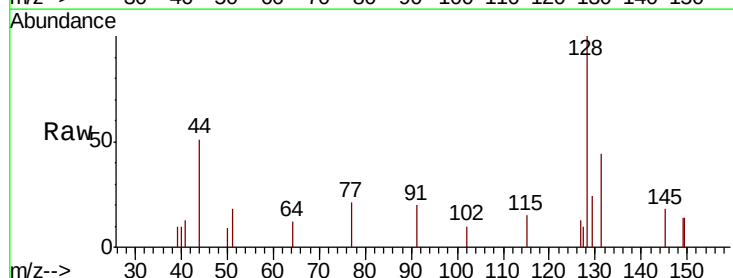
Tgt Ion:128 Resp: 2828

Ion Ratio Lower Upper

128 100

129 12.5 8.7 13.1

127 5.1 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

